

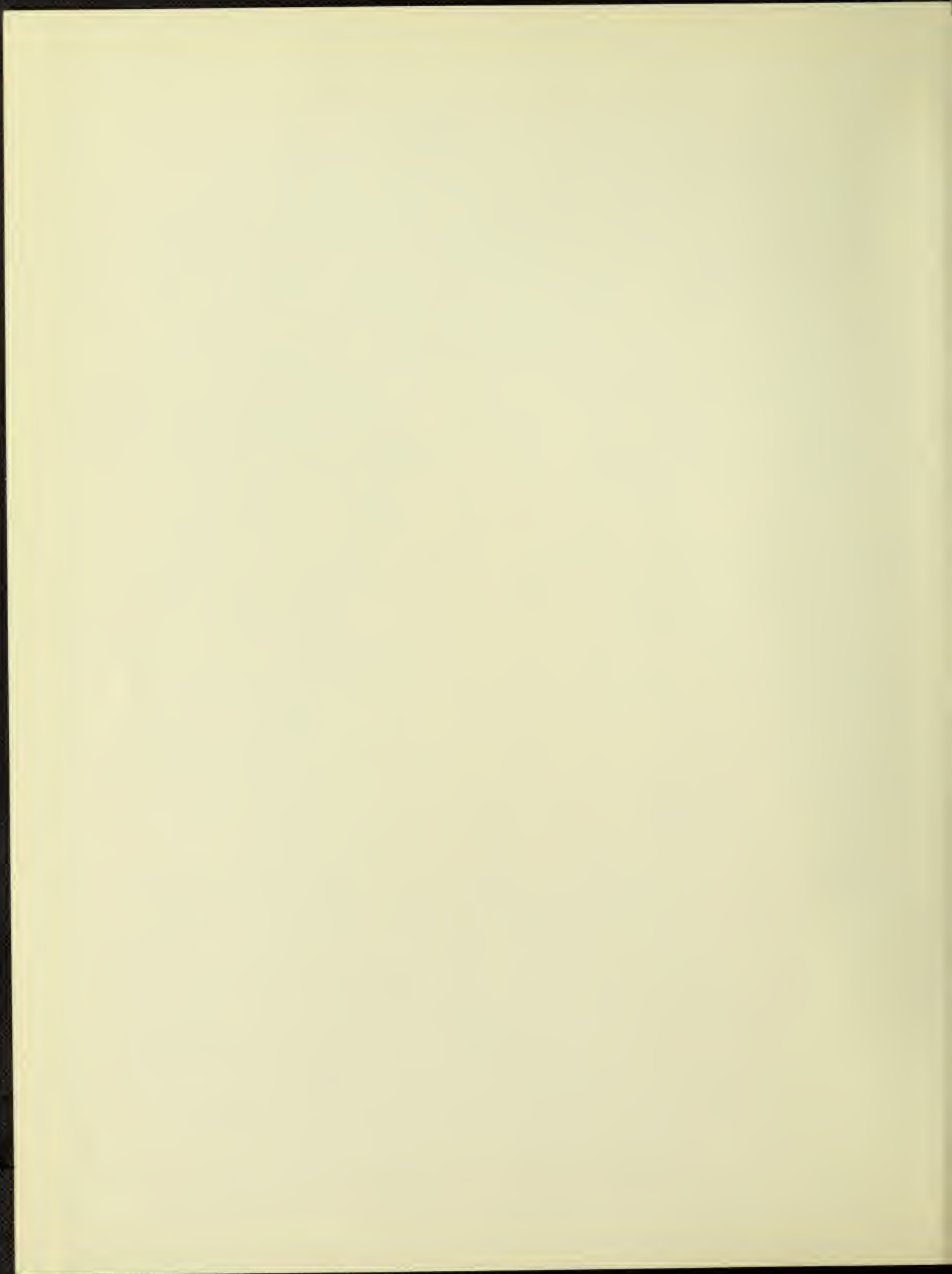




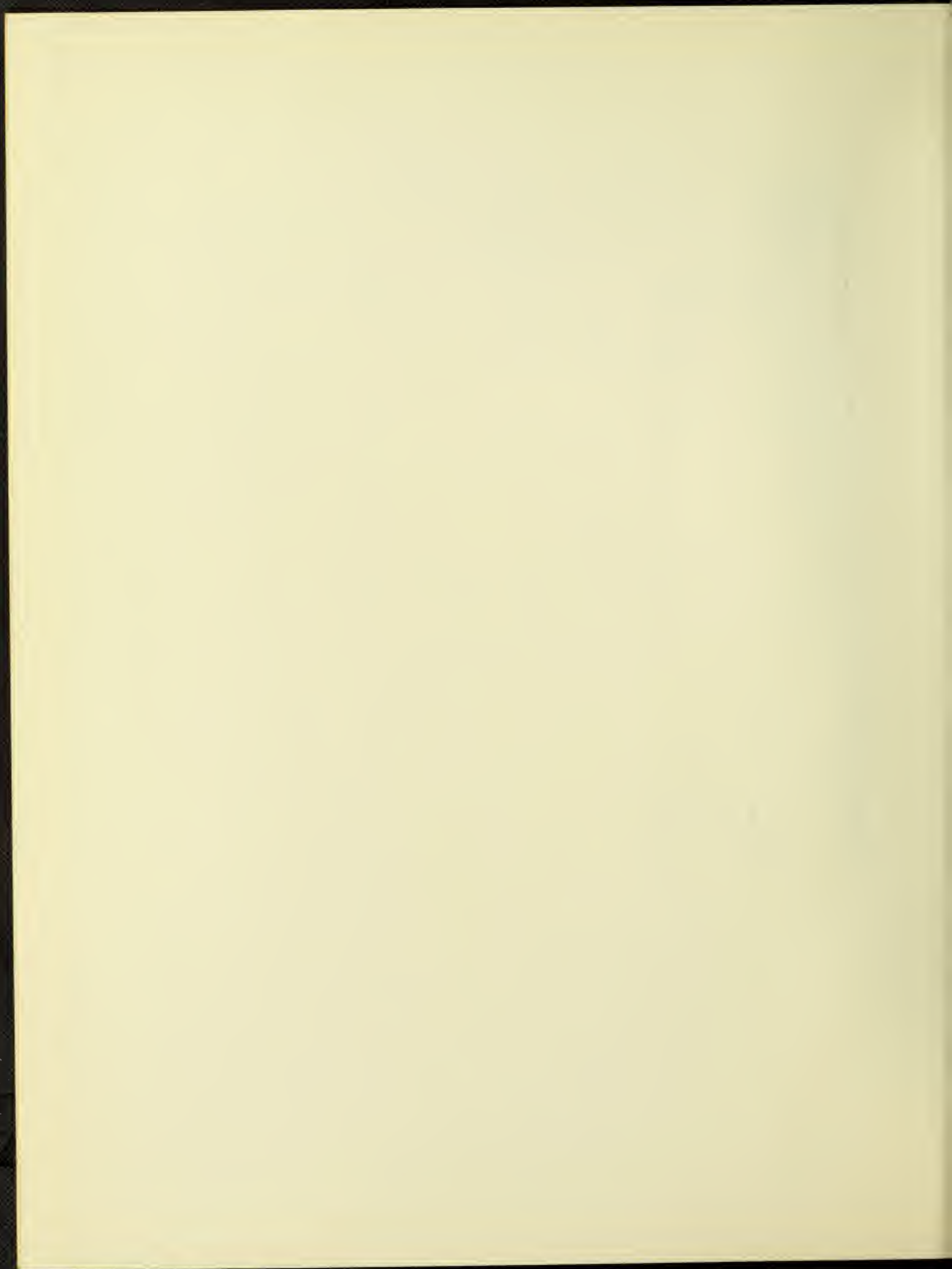
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U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JANUARY 1960  
Volume 65 No. 1



ASHEVILLE: 1960

PENNSYLVANIA - JANUARY 1960  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 64° on the 13th at Kegg and on the 15th at Donora

Lowest Temperature: -11° on the 25th at Coudersport 3 NW

Greatest Total Precipitation: 5.08 inches at Blairsville 6 ENE

Least Total Precipitation: 1.50 inches at Newport

Greatest One-Day Precipitation: 2.12 inches on the 3rd at Palmerton

Greatest Reported Total Snowfall: 50.9 inches at Corry

Greatest Reported Depth of Snow on Ground: 18 inches on the 22nd at  
Corry













DAILY TEMPERATURES

PENNSYLVANIA JANUARY 1960

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations such as ALLENTOWN W8 AP, ALLENTOWN GAS CO, ALTOONA HORSESHOE CURVE, etc.

See Reference Notes Following Station Index

DAILY TEMPERATURES

PENNSYLVANIA JANUARY 1960

Continued

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like EVERETT 1 SW, FARRELL SHARON, FORO CITY 4 S DAM, FRANKLIN, FREELAND, GEORGE SCHOOL, GETTYSBURG, GRATERFORD, GRATZ 1 N, GREENVILLE, HANOVER, HARRISBURG WB AP, HAWLEY, HOLTWOOD, HUNTINGDON, INDIANA 3 SE, JAMESTOWN 2 NW, JOHNSTOWN, KANE 1 NNE, KEGG, LANCASTER 2NE PUMP STA, LANDISVILLE 2 NW, LAWRENCEVILLE 2 S, LEBANON 3 W, LEWISTOWN, LOCK HAVEN, MADERA, MARCUS HOOK, MARTINSBURG FAA AP, MEADVILLE 1 S, MERCER 2 NNE, MIDLAND DAM 7, MONTROSE, MORGANTOWN, MT GRENA 2 SE, MOUNT POCONO 2 N, MUHLENBURG 1 SE, NEW CASTLE 1 N.

See Reference Notes Following Station Index





# DAILY SOIL TEMPERATURES

PENNSYLVANIA  
JANUARY 1960

| Station<br>And<br>Depth       | Time          | Day of month |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |    |      |      |
|-------------------------------|---------------|--------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|----|------|------|
|                               |               | 1            | 2   | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         | 31 |      |      |
| <u>ERIE CO FIELD RSCH LA8</u> | 8 INCHES      | MAX          | 35  | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 37 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34      | 34 | 34   | 34.3 |
|                               | MIN           | 35           | 35  | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34      | 34 | 34.1 |      |
| <u>LANDISVILLE 2 NW</u>       | 2 INCHES      | 8 AM         | 32  | 31 | 37 | 33 | 32 | 31 | 32 | 32 | 32 | 31 | 34 | 31 | 31 | 32 | 34 | 33 | 31 | 32 | 32 | 31 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 31 | 33 | 33      | 33 | 32.6 |      |
|                               | STATE COLLEGE | 2 INCHES     | MAX | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 31 | 30 | 32 | 32 | 30 | 31 | 30 | 35 | 30 | 30 | 30 | 30 | 29 | 27 | 27 | 29 | 29 | 29 | 30 | 30 | 31 | 31      | 31 | 30   | 30.1 |
|                               | 4 INCHES      | MIN          | 29  | 28 | 30 | 29 | 28 | 27 | 28 | 30 | 25 | 29 | 31 | 29 | 30 | 30 | 30 | 29 | 28 | 30 | 30 | 28 | 25 | 25 | 26 | 26 | 24 | 29 | 27 | 30 | 30 | 30      | 29 | 28.4 |      |
|                               | MAX           | 31           | 31  | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 34 | 32 | 31 | 31 | 31 | 31 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 30      | 30 | 29.5 |      |
|                               | 8 INCHES      | MIN          | 30  | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 28 | 27 | 27 | 27 | 26 | 29 | 28 | 30 | 30 | 30 | 30      | 30 | 29.5 |      |
|                               | MAX           | 32           | 32  | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 32 | 32 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 30      | 30 | 31.5 |      |
|                               | 16 INCHES     | MIN          | 32  | 31 | 31 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 31 | 32 | 32 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30      | 30 | 30   | 30.8 |
|                               | MAX           | 36           | 35  | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 35 | 34 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33      | 32 | 34.0 |      |
|                               | MIN           | 35           | 34  | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32      | 32 | 33.2 |      |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as Conotton gravelly loam. Ground Cover: Seedling grapes and Native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent bluegrass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil thermometer.

State College - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown Silt loam. Ground Cover: Kentucky Blue Grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Coostantao Thermocouple on recording Poteotiometer.

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
JANUARY 1960

| Station                 | Day of month |     |     |     |     |    |   |     |     |    |    |     |     |     |     |     |    |     |     |     |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
|-------------------------|--------------|-----|-----|-----|-----|----|---|-----|-----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|---|---|
|                         | 1            | 2   | 3   | 4   | 5   | 6  | 7 | 8   | 9   | 10 | 11 | 12  | 13  | 14  | 15  | 16  | 17 | 18  | 19  | 20  | 21   | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30 | 31  |     |    |   |   |
| ALLENTOWN WB AIRPORT    | T            | T   |     |     |     |    | T | T   |     | T  |    | 1.7 | T   | 2   | 1   | T   | T  | 2.2 | T   | T   | T    | T   |     |     |     |     |     |     |     |    |     |     |    |   |   |
| AUSTINBURG 2 W          |              |     |     | T   | T   |    |   |     | T   |    | T  | T   | 1.0 |     |     | T   |    |     | 1.0 | T   | T    | T   | T   | T   |     |     |     |     |     |    | 1.0 |     |    |   |   |
| BRADFORD FAA AIRPORT    | T            | T   | 2.0 | T   | T   | T  | T | .2  | T   | T  | T  |     |     |     | T   | 1.7 | 2  | 2   | 1.5 | 1.4 | 2.4  | 1.0 | 1.0 | T   | T   | T   | 1.0 | T   | 1.0 | T  | 1.0 | T   | 2  | 2 |   |
| BRADFORD 4 W RES        | -            | -   | -   | -   | 1.3 | 3  | 3 | 3   | .5  | 4  | 2  | 2   | 1   | 1   |     | .5  | 1  | 1   | 1.3 | 4.0 | 1.7  | 4.0 | 2.5 | 1.7 | .8  | .5  | .5  | 1.3 | 11  | 9  | 7   |     |    |   |   |
| BROOKVILLE FAA AIRPORT  |              |     | 1.0 | T   | T   | 1  |   |     | T   |    |    |     |     |     | T   | .2  | T  | .1  | .9  | .3  | .4   | 1.0 | .5  | T   | .4  | .4  | T   | 3   | 2   | T  | T   | T   |    |   |   |
| CANTON 1 NW             |              |     |     |     |     |    |   |     | 1.0 | T  | T  | T   | 2.2 | 2   | 2   | 1   | 1  | 1   | 1.5 | T   | T    | T   | T   | 2   | 2   | 2   | 2   | 2   | 2   | 1  | 1.0 | 1   | 1  | 1 |   |
| CARLISLE                |              |     |     |     |     |    | T |     |     |    |    | T   |     |     |     |     |    | .5  | T   |     |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
| CARROLLTOWN 2 SSE       | T            | 1   |     | T   | T   |    |   |     | T   |    |    |     |     |     |     | T   | T  | T   | 6.0 | 2.0 | 2.0  | 2.0 | 1.0 | T   | T   | 9   | 9   | 8   | 5   | 3  | 2   | 1   | 1  |   |   |
| CORRY                   | 2            | T   | 2.5 | 2.0 | 1.5 |    |   | 2.0 | T   |    |    |     |     |     | .4  | 2.0 | 1  | .5  | 9.0 | 6.0 | 10.5 | 6.0 | 5.0 | 1.0 | .5  | 2.0 | 8   | 7   | 4   | 3  | 2   |     |    |   |   |
| DONEGAL                 | -            | -   | -   | -   | -   | -  | - | -   | -   | -  | -  | -   | -   | -   | -   | -   | -  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | -   | -  | - |   |
| DU-BOIS 7 E             |              |     | T   | .5  | T   | T  | T |     |     |    |    |     |     |     |     | T   | T  | .5  | 2.0 | .5  | .5   | 1.0 | 1.5 | .5  | 4   | 3   | 2   | 2   | 1   | 1  | 1   |     |    |   |   |
| ENGLISH CENTER          |              |     |     |     |     |    |   |     |     |    |    |     |     |     |     |     |    |     |     |     |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
| ERIE WB AIRPORT         | 4            | 3   | 1.2 | .5  | 1.0 | T  | 1 | T   | T   |    |    | T   |     |     |     | T   | T  | T   | 1.0 | 1.0 | .8   | .1  | 1.4 | .1  | T   | .2  | 4   | 3   | T   | T  | T   | T   |    |   |   |
| EVERETT 1 SW            | -            | -   | -   | -   | -   | -  | - | -   | -   | -  | -  | -   | -   | -   | -   | -   | -  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | -   | -  | - |   |
| FORD CITY 4 S DAM       |              |     |     |     |     |    |   |     |     |    |    |     |     |     |     |     |    |     |     | .5  | 2.0  | T   | T   | .5  | .5  | 1   | T   |     |     |    |     |     |    |   |   |
| GALETON                 | T            |     |     |     |     | T  |   | T   |     |    |    |     | 2.0 | 2   | 1   |     |    | T   | T   | T   | 3.2  | .8  | .3  | .4  | T   | T   | 1   | 1   | 1   | 1  | 1   | 2.0 | 2  | 1 |   |
| GEORGE SCHOOL           |              |     |     |     |     |    |   |     |     |    |    |     | .6  | 1   | 1   | T   |    |     | .5  | T   |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
| GREENSBORO LOCK 7       | -            | -   | -   | -   | -   | -  | - | -   | -   | -  | -  | -   | -   | -   | -   | -   | -  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | -   | -  | - |   |
| HARRISBURG WB AIRPORT   |              |     |     |     |     |    | T | T   |     |    |    |     | .1  | T   |     |     |    | .5  | .1  | T   |      | T   | T   |     |     |     |     |     |     |    |     |     |    |   |   |
| HOLTWOOD                |              |     |     |     |     | T  |   | T   |     |    |    |     | 1.0 | T   |     |     |    |     | .5  | T   |      | T   | T   | T   | T   | T   | T   | T   |     |    |     |     |    |   |   |
| HOOVERVILLE             | -            | -   | -   | -   | -   | -  | - | -   | -   | -  | -  | -   | -   | -   | -   | -   | -  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | -   | -  | - |   |
| INDIANA 3 SE            |              |     |     | T   | T   |    |   |     |     |    |    |     |     |     |     |     |    |     |     | T   | T    | 1.0 | 1.0 | T   | .8  | .5  | T   | 2   | 2   | 1  | T   | T   |    |   |   |
| KANE 1 NNE              | .5           | 1.0 | 1.0 | .2  | .4  | 2  | 2 | .7  | 1   | T  | T  | T   |     |     |     | .5  | T  | T   | 5.0 | 4.4 | 4.5  | 1.5 | 1.7 | 1.0 | .3  | .8  | T   | .7  | 4   | 3  | 2   | 2   |    |   |   |
| LANCASTER 2 NE PUMP STA |              |     |     |     |     |    |   | T   |     |    |    |     |     |     |     |     |    |     |     |     |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
| LAWRENCEVILLE 2 S       |              |     | T   | T   |     |    |   |     | T   |    |    | .5  | 1.0 | 1   | 1   | 1   | 1  | 1   | .7  | 1.7 | 2    | 2   | 2   | 2   | 2   | 2   | 2   | 1   | 1   | 1  | 1   | T   | T  | T |   |
| LEWISTOWN               |              |     |     |     |     |    |   |     |     |    |    |     |     |     |     |     |    |     |     |     |      |     |     |     |     |     |     |     |     |    |     |     |    |   |   |
| MARTINSBURG FAA AIRPORT |              |     | T   | T   | T   |    | T | T   |     |    |    |     |     |     |     | T   | T  | T   | 1.3 | .3  | T    | T   | T   | 1   | 1   | 1   | 1   |     |     |    |     |     |    | T | T |
| MATAMORAS               |              |     |     |     |     |    |   |     |     |    |    | .5  | 4.0 | 3   | 3   | 3   | 3  | 3   | 3   | 1.0 | 4    | 3   | 3   | 2   | 2   | 2   | 2   | 2   | 2   | 2  | 1   | 1   | 1  | 1 |   |
| MEADVILLE 1 S           | .5           | T   | T   | .6  | T   | .3 | T |     | T   |    |    |     |     |     |     |     |    | .3  | .2  | .1  | 1.2  | 7.2 | 4.5 | 5.8 | 3.6 | 1.4 | T   | .2  | T   | 6  | 4   | 3   | 1  |   |   |
| MEDIX RUN               | T            | T   |     | .2  | T   | T  |   |     | .2  | T  |    |     |     |     |     | .5  | T  | T   | 2.5 | 2.5 | .7   | .5  | 1.0 | .1  | T   | .3  | 3   | 2   | 2   | 1  | T   | T   |    |   |   |
| MONTROSE                | .1           | 2   | T   | .2  |     |    |   |     | .2  | T  | T  | .7  | T   | 3.0 | 4   | 3   | 3  | 3   | .2  | T   | 4.4  | .8  | 4   | .7  | .2  | .1  | T   | T   | T   | T  | T   | T   | T  |   |   |
| MUHLENBURG 1 SE         |              |     |     |     |     |    |   |     |     |    |    | .5  | 2.5 | 2.0 | 2.0 | 2   | 2  | 2   | 2.0 | 4   | 4    | 4   | .5  | T   | 4   | 3   | 2   | 1   | 1   | 1  | 1   | T   | T  |   |   |
| NEWPORT                 | -            | -   | -   | -   | -   | -  | - | -   | -   | -  | -  | -   | -   | -   | -   | -   | -  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | -   | -  | - |   |
| PHILADELPHIA WB AIRPORT |              |     |     |     |     |    | T | T   |     |    |    |     | .4  | T   |     |     |    |     |     |     | .4   | T   |     |     |     |     |     |     |     |    |     |     |    |   |   |
| PHILIPSBURG FAA AIRPORT |              |     |     |     |     |    |   | T   |     |    |    |     |     |     |     | T   | T  | T   | 3.0 | .7  | .2   | T   | 2.0 | 6   | T   | 6   | T   | .2  | 3   | 2  | T   | T   |    |   |   |
| PITTSBURGH WB AIRPORT 2 | T            | T   | T   | T   | T   |    | T | T   |     |    |    |     |     |     |     | T   | T  | T   | T   | 1.4 | T    | T   | T   | 1   | T   | T   | T   |     |     |    |     |     |    |   |   |
| PLEASANT MOUNT 1 W      | T            | 6   | 6   | 2   | 1   | 1  | 1 | 1   | 1   | T  | T  | 1.0 | 2   | 2   | 5   | 5   | 5  | 5   | 5   | 4.0 | 1.0  | T   | 1.0 | 10  | 10  | 10  | 9   | T   | 9   | 9  | 11  | 11  | 10 |   |   |

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

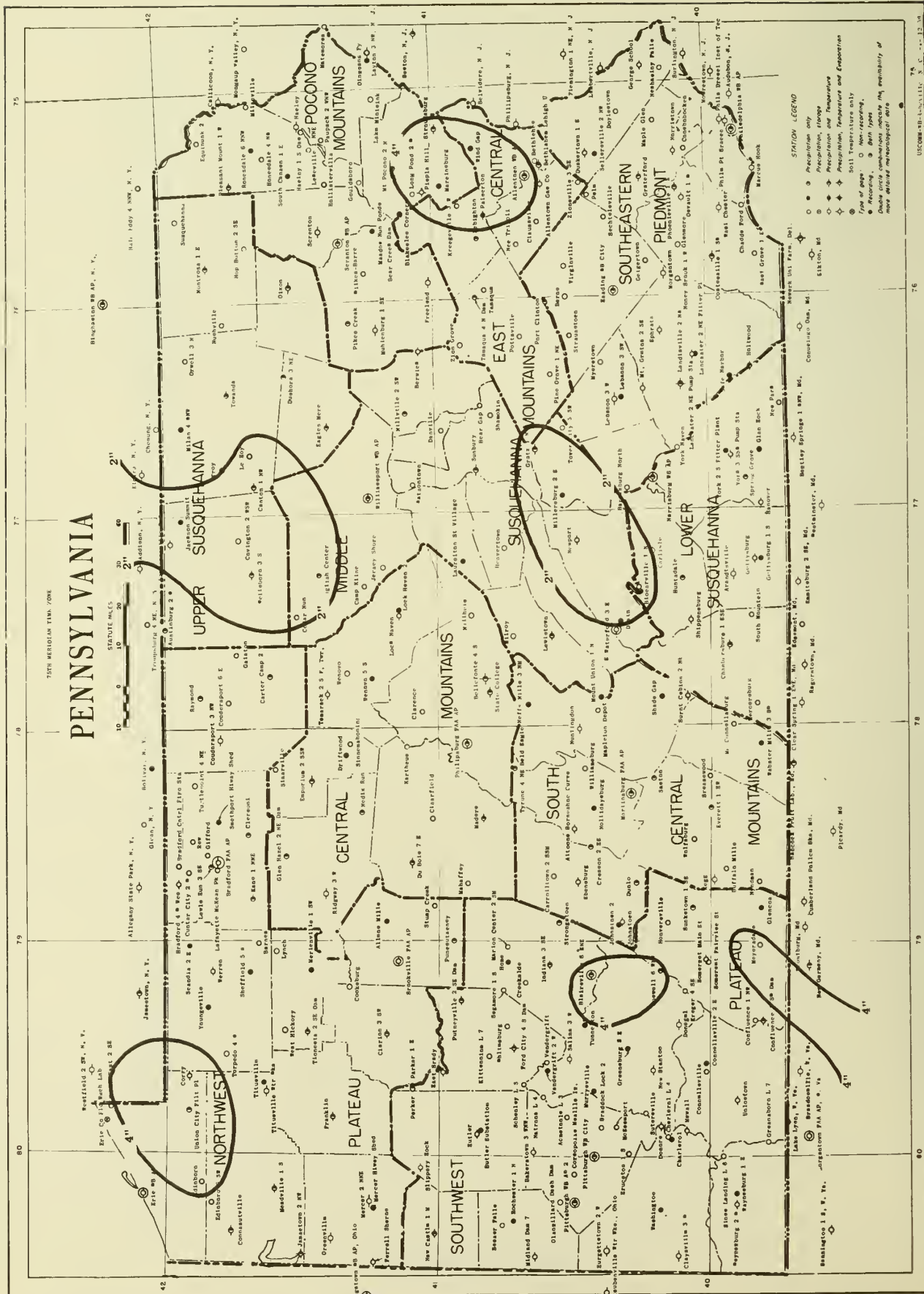
PENNSYLVANIA  
JANUARY 1960

| Station                 | Day of month |   |   |   |   |   |   |   |   |    |    |     |     |     |     |     |     |     |     |     |    |     |    |    |    |    |    |     |    |    |    |   |   |
|-------------------------|--------------|---|---|---|---|---|---|---|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|-----|----|----|----|---|---|
|                         | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21 | 22  | 23 | 24 | 25 | 26 | 27 | 28  | 29 | 30 | 31 |   |   |
| READING WB CITY         |              |   |   |   |   |   | T |   |   |    |    | .3  | T   |     |     |     |     | .2  | T   | T   |    | T   |    |    |    |    |    |     |    |    |    |   |   |
| SCRANTON WB AIRPORT     |              |   | T | T |   |   |   | T | T | .4 | T  | 2.2 | .4  | T   | 2   | T   | 1.7 | .7  | T   | T   | .8 | T   | T  | T  | T  | T  | 2  | 2   | 2  | 1  | T  | T | T |
|                         |              |   |   |   |   |   |   |   | T | T  | T  | T   | .8  | 1.0 | 1.0 | .7  | .7  | 1   | .6  | .5  | .5 | .5  | .5 | .5 | .4 | .3 | .3 |     |    |    |    |   |   |
| SHIPPENSBURG            |              |   |   |   |   |   | T |   |   |    |    | T   |     |     |     |     | T   | 1.0 | T   |     |    | T   |    |    |    |    |    |     |    |    |    |   |   |
| SLIPPERY ROCK           |              |   | T | T |   |   |   |   |   |    |    |     |     |     |     | 2.0 | T   | 1.0 | 3.0 | T   | T  | T   | T  | T  | 4  | 3  | 2  |     | T  |    |    |   |   |
|                         |              |   | T | T |   |   |   |   |   |    |    |     |     |     |     | 2   | 1   | 1   | 4   | 4   | 4  | 4   | 4  | 4  | 4  | 4  | 3  | 2   |    | T  |    |   |   |
| TAMARACK 2 S FIRE TWR   | T            |   | T | T |   |   |   |   | T | T  | T  | .6  |     |     | T   | T   | T   | 2.6 | 1.1 | .4  | T  | 1.0 | .4 | T  | T  | 5  | 5  | 1.0 |    |    |    |   |   |
|                         | T            |   | T | T |   |   |   |   | T | T  | T  | 1   | 1   | 1   | T   | T   | T   | 3   | 4   | 4   | 4  | 4   | 5  | 5  | 5  | 5  | 5  | 5   | 4  | 4  | 4  | 4 |   |
| TIONESTA 2 SE DAM       | T            |   | T | T | T | T | T |   | T |    |    |     |     |     |     | 1.0 | T   | 1.5 | 3.0 | 1.0 | .5 | 2.0 | T  | T  | T  | T  | T  | T   | T  | T  | T  |   |   |
|                         | T            | T | T | T | T | T | T |   | T |    |    |     |     |     |     | 1   | 5   | 1   | 4   | 5   | 6  | 7   | 6  | 6  | 6  | 5  | 3  | 2   | T  | T  | T  | T |   |
| TOWANDA                 | T            |   | T | T |   |   |   |   | T |    | .3 |     | 1.5 | 5   |     | T   | T   | 1.5 | T   | T   | T  | T   | T  | T  | 2  | 2  | 2  | 2   | 1  | 1  | T  | T |   |
|                         | T            |   | T | T |   |   |   |   | T |    | T  | T   | 2   | 2   | 2   | 2   | 2   | 3   | 3   | 2   | 2  | 2   | 2  | 2  | 2  | 2  | 2  | 2   | 1  | 1  | T  | T |   |
| TOWER CITY 5 SW         |              |   |   |   |   |   |   |   |   |    |    | T   | T   |     |     |     |     | T   | 1.0 |     |    |     |    |    | .5 |    |    |     |    |    |    |   |   |
|                         |              |   |   |   |   |   |   |   |   |    |    | T   | T   |     |     |     |     |     |     |     |    |     |    |    |    |    |    |     |    |    |    |   |   |
| WILLIAMSPORT WB AIRPORT |              |   | T | T |   |   |   | T |   | T  | T  | .4  | T   | T   | T   | T   | 1.2 | T   | T   | T   | T  | T   | T  | T  | T  | .4 | T  | T   |    |    |    |   |   |
|                         |              |   | T | T |   |   |   | T |   | T  | T  | T   | T   | T   | T   | T   | T   | 1   | 1   | 1   | 1  | 1   | 1  | 1  | 1  | 1  | 1  | 1   | 1  | 1  | 1  | 1 | 1 |

See reference notes following Station Index.

# TOTAL PRECIPITATION

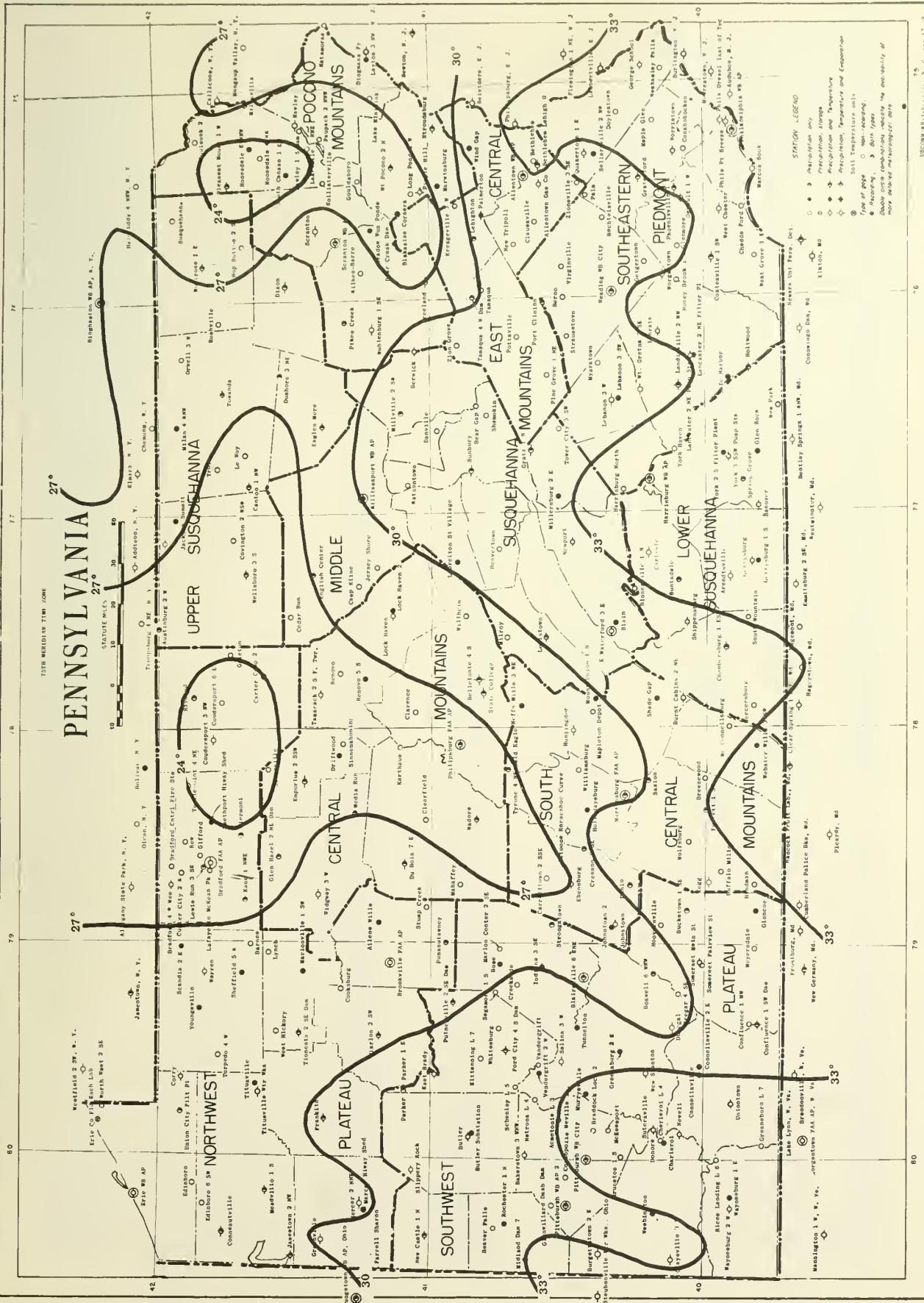
PENNSYLVANIA  
JANUARY 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JANUARY 1960



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA JANUARY 1940

Main data table with columns: STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER.

# STATION INDEX

PENNSYLVANIA  
JANUARY 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY         | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |         | OBSERVER                 | STATION               | INDEX NO. | COUNTY      | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |         | OBSERVER            |                         |                 |
|------------------------|-----------|----------------|----------|----------|-----------|-----------|-----------------------------|---------|---------|--------------------------|-----------------------|-----------|-------------|----------|----------|-----------|-----------|-----------------------------|---------|---------|---------------------|-------------------------|-----------------|
|                        |           |                |          |          |           |           | TEMP.                       | PRECIP. | SPECIAL |                          |                       |           |             |          |          |           |           | TEMP.                       | PRECIP. | SPECIAL |                     |                         |                 |
| STROUDTOWN             | 8598      | INDIANA        | 4        | 40 35    | 78 55     | 1880      |                             |         |         | NARRY P. BENNETT         | WILKES-BARRE          | 9702      | LAZERNE     | 15       | 41 35    | 75 02     | 610       | TA                          |         |         | MRS. MARY G. NIPKAE |                         |                 |
| STROUDSBURG            | 8598      | MONROE         | 5        | 40 59    | 75 12     | 480       | 11P                         | 11P     | C       | WILLIAM HAGERTY          | WILLIAMSBURG          | 9718      | BLAIR       | 6        | 40 28    | 78 12     | 880       | TA                          |         |         | MYRON E. BIDDLE     |                         |                 |
| STUMP CREEK            | 8510      | JEFFERSON      | 1        | 41 01    | 78 50     | 1320      | 7A                          |         |         | CORPS OF ENGINEERS       | WILLIAMSPORT WR AP    | 9728      | LYCOMING    | 16       | 41 15    | 76 55     | 927       | HTD                         | HTD     | C NJ    | U.S. WEATHER BUREAU |                         |                 |
| SUNBURT                | 8558      | NORTHUMBERLAND | 15       | 40 52    | 76 47     | 480       | 7A                          |         |         | CHARLES W. BAYLER        | WIND GAP              | 9781      | NORTHAMPTON | 5        | 40 51    | 75 18     | 755       |                             |         |         | C                   | MRS. MARY D. NOELTZEL   |                 |
| SUSQUEHANNA            | 8592      | SUSQUEHANNA    | 15       | 41 57    | 75 58     | 1020      | 7A                          |         |         | MRS. LAURA A. BENSON     | WOLFSBURG             | 9825      | BERKSHIRE   | 8        | 40 05    | 78 32     | 1190      | 7A                          |         |         |                     | C                       | WALTER C. RICE  |
| SUTERSVILLE            | 8599      | ALLEGHENY      | 17       | 40 14    | 79 48     | 785       | 7A                          |         |         | HANCE SEE                | YORK 3 SSM PLUMR STA  | 9933      | YORK        | 15       | 39 55    | 78 45     | 590       | 5P                          | 5P      |         | C                   | YORK WATER COMPANY      |                 |
| TAMAOUA                | 8758      | SCHUYLKILL     | 14       | 40 48    | 75 58     | 830       | 8A                          |         |         | MRS. MARY L. ROBERTS     | YORK 2 S FILTER PLANT | 9958      | YORK        | 15       | 59 36    | 78 44     | 640       |                             |         |         | C                   | YORK WATER COMPANY      |                 |
| TANAOUA & N. DAY       | 8763      | SCHUYLKILL     | 14       | 40 51    | 75 59     | 1120      | 7A                          |         |         | PANTHER VALLEY MTR. CO.  | YORK HAVEN            | 9950      | YORK        | 15       | 40 07    | 78 45     | 310       | 8A                          |         |         | C                   | METROPOLITAN EDISON CO. |                 |
| TANARACK 2 S FIRE TWR  | 8770      | CLINTON        | 18       | 41 24    | 77 51     | 2220      | 7A                          |         |         | JAMES C. SMART           | YOUNGSVILLE           | 9968      | WARREN      | 1        | 41 51    | 79 20     | 1225      |                             |         |         |                     | C                       | HENRY CARLETT   |
| TIONESTA 2 SE DAM      | 8873      | FOREST         | 1        | 41 29    | 79 25     | 1200      | 8A                          |         |         | CORPS OF ENGINEERS       | ZION GROVE            | 9980      | SCHUYLKILL  | 15       | 40 34    | 76 13     | 940       | 7A                          |         |         |                     | C                       | JAMES G. TETTER |
| TITUSVILLE             | 8885      | CRAWFORD       | 1        | 41 58    | 79 40     | 1550      | 7A                          |         |         | PA. ELECTRIC CO.         | ZIONSVILLE 5 SE       | 9995      | LEHIGH      | 14       | 40 28    | 75 27     | 680       | 8A                          |         |         |                     | C                       | LESLIE HOWATT   |
| TITUSVILLE WATER WORKS | 8886      | CRAWFORD       | 1        | 41 58    | 79 42     | 1220      | 7P                          | 7P      |         | CITY OF TITUSVILLE       | NEW STATIONS          |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| TOMFOOD 4 W            | 8901      | WARREN         | 1        | 41 47    | 79 52     | 1755      | 7A                          |         |         | MRS. LILY B. GARRER      | DUSHORE 2 SSW         | 2325      | BULLIVAN    | 16       | 41 29    | 76 25     | 1910      | 8A                          |         |         | C                   | ROBERT J. OBERT         |                 |
| TOWANDA                | 8905      | BRADFORD       | 15       | 41 46    | 76 26     | 780       | 7P                          | 7A      |         | MRS. M. G. PARES         | PUBLICATION ENDED     |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| TOVER CITY 5 SW        | 8910      | DAUPHIN        | 15       | 40 51    | 76 57     | 745       | 5P                          |         |         | NARRISSBURG WATER DEPT.  | DUSHORE 3 NE          | 2324      | SULLIVAN    | 16       | 41 53    | 76 21     | 1750      | 7A                          |         |         | C                   | EFFECTIVE 12/59         |                 |
| TROY                   | 8958      | BRADFORD       | 15       | 41 47    | 76 47     | 1100      | 7A                          |         |         | JENNIE L. BALLARO        |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| TUNNELTON              | 8989      | INDIANA        | 4        | 40 27    | 79 25     | 890       | 7A                          |         |         | MRS. MARY E. WEINER      |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN        | 1        | 41 54    | 78 18     | 1640      | 7A                          |         |         | ROBERT D. STRAIT         |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR          | 6        | 40 43    | 78 12     | 1020      | 7A                          |         |         | FREDERICK L. FRIEDY      |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| UNION CITY FILY PLANT  | 9042      | ERIE           | 1        | 41 55    | 79 48     | 1400      | 7A                          |         |         | MAROLD W. HAMMOND        |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| UNIONTOWN              | 9050      | FAYETTE        | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     |         | W. W. NARSTELLER         |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| VANDERGRIFF            | 9128      | WESTMORELAND   | 7        | 40 36    | 79 33     | 800       | 7A                          |         |         | UNITED ENG. & FNDRY. CO. |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| VANDERGRIFF 2 W        | 9159      | WESTMORELAND   | 7        | 40 36    | 79 36     | 995       | 8A                          |         |         | EUGENE P. YOUNG          |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| VIRGINVILLE            | 9196      | BERKS          | 14       | 40 31    | 75 52     | 330       | 8A                          |         |         | MRS. MARY N. WRIGHT      |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WARREN                 | 9298      | WARREN         | 1        | 41 51    | 79 08     | 1280      | 7P                          | 7A      |         | GILBERT H. REIER         |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WASHINGTON             | 9312      | WASHINGTON     | 11       | 40 11    | 80 14     | 1200      |                             |         |         | PA. DEPT. HIGHWAYS       |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WATSONTOWN             | 9345      | NORTHUMBERLAND | 16       | 41 05    | 76 52     | 490       |                             |         |         | WILLIAM BIRD             |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WAYNESBURG 2 W         | 9567      | GREENE         | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      |         | SAMUEL B. GREENLEE       |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WAYNESBURG 1 E         | 9567      | GREENE         | 10       | 39 54    | 80 10     | 940       |                             |         |         | SEWAGE DISPOSAL PLANT    |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WEBSTER HILLS 5 SW     | 9580      | FULTON         | 12       | 39 49    | 78 05     | 920       |                             |         |         | WILLIAM D. COVER         |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WELLSBORO 5 S          | 9408      | TIOGA          | 16       | 41 45    | 77 16     | 1920      | 7A                          | 7A      |         | HARION L. SHUMWAY        |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WEST CHESTER           | 9464      | CHESTER        | 5        | 39 58    | 75 36     | 440       | 8A                          |         |         | DAILY LOCAL NEWS         |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WEST GROVE 1 E         | 9503      | CHESTER        | 5        | 39 49    | 75 49     | 440       | 8A                          |         |         | COMAR-PLYE CO.           |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WEST HICKORY           | 9507      | FOREST         | 1        | 41 34    | 75 23     | 1050      | 8A                          |         |         | MRS. NELM F. FINNEAR     |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |
| WHITESBURG             | 9655      | ARMSTRONG      | 1        | 40 45    | 79 24     | 1550      | 7A                          |         |         | CORPS OF ENGINEERS       |                       |           |             |          |          |           |           |                             |         |         |                     |                         |                 |

1-ALLEGHENY, 2-BEAVER, 3-CONEMAUCUN, 4-DELAWARE, 5-JUNIATA, 6-LAKE ERIE, 7-LEHIGH, 8-MONONGANELA, 9-ONTIO, 10-POTOMAC, 11-SCHUYLKILL, 12-TOWANDA, 13-WASHINGTON, 14-WESTMORELAND, 15-SUSQUEHANNA, 16-WEST BRANCH, 17-YOUGHEWENNY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

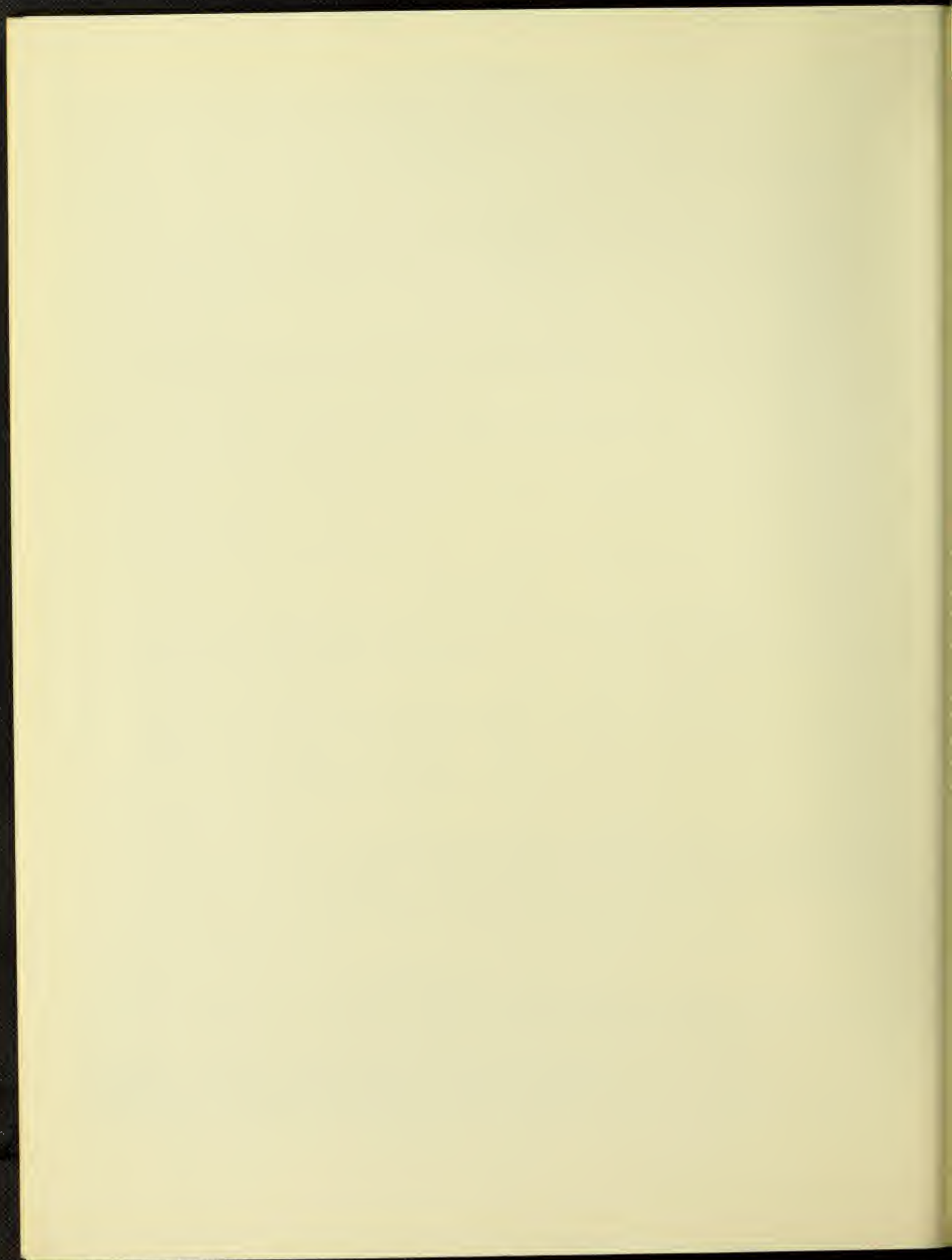
Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 3/15/60 --- 1100







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U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

FEBRUARY 1960

Volume 65      No. 2



RECEIVED  
FEB 27 1960  
ASHEVILLE

PENNSYLVANIA - FEBRUARY 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 71° on the 10th at Donora

Lowest Temperature: - 5 on the 15th at Claysville 3 W and Waynesburg 2 W

Greatest Total Precipitation: 7.95 inches at Long Pond 2 W

Least Total Precipitation: 2.22 inches at Bakerstown 3 WNW

Greatest One-Day Precipitation: 3.35 inches on the 19th at Long Pond 2 W

Greatest Reported Total Snowfall: 70.6 inches at Corry

Greatest Reported Depth of Snow on Ground: 30 inches on the 27th at  
Bradford 4 W Reservoir and  
on the 20th at Somerset  
Fairview Station

SPECIAL WEATHER SUMMARY

The mild weather that has been in evidence during the earlier portion of the winter continued through most of February. Temperatures for the month averaged 1 to 5 degrees above normal throughout the eastern half of Pennsylvania and along the Lake Erie shore. In this area it was the mildest February in several years. The remainder of the state averaged up to 3 degrees below normal. Gulf air moved into the Commonwealth on the 9th and remained through the 11th for the only notable warm spell of the month. During this time maximum temperatures reached into the 50's and 60's setting new records for the dates. Even minimum readings dropped only into the mid 40's on the 10th which was a record for the date in many sections. Generous amounts of precipitation were received; however, in western areas much of it was in the form of snow. Some of these areas recorded the greatest February snowfall since 1947 and the greatest of any month since November 1950.

An unusually large number of storms influenced the weather in an assortment of ways: precipitation totaled well above normal almost everywhere; snowfall was considerable; strong winds reached damaging proportions in several areas and thunderstorms, some with hail, were reported on several occasions.

The first notable storm developed on the 5th bringing rain to most areas which changed to snow on the 6th at western and higher locations. In these regions this was only the beginning of a wet period of about 10 consecutive days in which precipitation totaled over 2 inches. On the 13th and 14th another storm moved in from the southwest bringing 2 to 16 inches of snow to Pennsylvania with western sections again being hardest hit. Philipsburg reported 16 inches, Pittsburgh 12 inches, Harrisburg 6 inches and Allentown 3 inches. Some warming on the 16th and 17th allowed several inches

of snow to melt but another storm developed and moved rapidly through the vicinity of Pennsylvania on the 18th and 19th bringing more snow and high winds to all sections. Snowfall accumulations generally amounted to only 4 to 8 inches but the strong winds piled the snow into high drifts closing many roads including 160 miles of the Pennsylvania Turnpike from the Irwin to Carlisle Interchanges. Higher elevations in the central and Pocono Mountains were much harder hit than most other localities. Philipsburg received 27 inches on top of 9 inches already on the ground for a total depth of 36 inches. In the Susquehanna Valley and southeast, temperatures remained above freezing so that practically all of the precipitation fell as rain which totaled 1 to 2 inches. At the height of the storm thunder was heard in the Harrisburg and Williamsport areas and lightning observed near Allentown.

Cold unstable air following the storm kept snow flurries in the air for several days; however, no significant accumulations resulted. The last weather disturbance of consequence moved into the state on the 25th and 26th bringing a mixture of snow, rain, thunderstorms and high winds to most sections. Heaviest precipitation amounts were reported in extreme southeastern areas where Philadelphia received 0.90 inches with a snowfall of one inch. Some central mountain sections received several inches of snow which drifted because of 40 to 50 mph winds that accompanied the storm. The weather turned somewhat colder during the remainder of the month with snow flurry activity producing additional accumulations of 1 to 2 inches.

Nelson M. Kauffman  
State Climatologist  
U. S. Weather Bureau  
Harrisburg, Pennsylvania

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
FEBRUARY 1960

| Station                       | Temperature             |                 |         |                                |         |      |        |      |             |              |             | Precipitation |             |       |                                |              |      |             |                      |      |            |            |             |     |
|-------------------------------|-------------------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|-------------|---------------|-------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|------------|------------|-------------|-----|
|                               | Average Maximum         | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No of Days   |             |               |             | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No of Days |            |             |     |
|                               |                         |                 |         |                                |         |      |        |      |             | 10° or Below | 5° or Below | 32° or Below  | 2° or Below |       |                                |              |      | Total       | Max. Depth on Ground | Date | 10 or More | 50 or More | 100 or More |     |
|                               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             | Max |
|                               | <b>POCONO MOUNTAINS</b> |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| CREELAND                      | 35.7                    | 19.3            | 27.5    | 1.8                            | 52      | 11   | 6      | 3    | 1081        | 0            | 14          | 27            | 0           |       |                                | 1.17         | 20   |             |                      | 12   | 19         |            |             |     |
| RAWLEY                        | 38.7                    | 19.4            | 29.1    |                                | 58      | 12   | 9      | 16   | 1037        | 0            | 5           | 27            | 0           | 3.61  | 1.11                           | 1.01         | 19   | 14.3        | 6                    | 19   | 8          | 3          | 1           |     |
| DUNT POCONO 2 N               | 33.6M                   | 19.3M           | 26.5M   | 2.5                            | 52      | 11   | 6      | 3    | 1111        | 0            | 15          | 27            | 0           |       |                                |              |      |             |                      |      |            |            |             |     |
| MHLENBURG 1 SE                | 38.8                    | 20.3            | 29.6    |                                | 58      | 10   | 9      | 14   | 1021        | 0            | 6           | 28            | 0           | 2.94  |                                | 1.11         | 19   | 13.5        | 5                    | 19   | 7          | 2          | 1           |     |
| LEASANT MOUNT 1 W             | 31.9                    | 15.5            | 23.7    |                                | 51      | 11   | 2      | 25   | 1190        | 0            | 18          | 28            | 0           | 4.30  | 1.45                           | 1.05         | 11   | 26.5        | 16                   | 20   | 9          | 2          | 1           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 28.5    | 2.2                            |         |      |        |      |             |              |             |               |             | 3.50  | 1.03                           |              |      | 17.1        |                      |      |            |            |             |     |
| <b>EAST CENTRAL MOUNTAINS</b> |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| ALLENTOWN WB AP               | 40.4                    | 25.7            | 33.1    | 4.5                            | 60      | 11   | 15     | 3    | 921         | 0            | 2           | 26            | 0           | 3.68  | .95                            | 1.04         | 18   | 8.3         | 3                    | 19+  | 9          | 3          | 1           |     |
| ALLENTOWN GAS CO              | 41.6                    | 25.6            | 33.6    | 3.3                            | 62      | 12   | 15     | 3    | 903         | 0            | 3           | 27            | 0           | 3.69  | 1.16                           | 1.16         | 19   | 6.8         | 2                    | 29+  | 7          | 2          | 0           |     |
| ETHELHEM LEHIGH UNIV          | 41.5                    | 29.6            | 35.6    | 3.5                            | 60      | 11   | 19     | 14   | 848         | 0            | 2           | 23            | 0           | 3.25  | .79                            | .72          | 11   | 3.8         |                      |      | 8          | 2          | 1           |     |
| MALMERTON                     | 39.4                    | 25.8            | 32.6    | 3.1                            | 59      | 11   | 16     | 3+   | 931         | 0            | 3           | 26            | 0           | 3.61  | 1.30                           | 1.25         | 11   | 7.1         | 2                    | 15+  | 8          | 2          | 1           |     |
| PORT CLINTON                  | 41.5                    | 21.1            | 31.3    | 1.4                            | 61      | 12   | 11     | 16   | 970         | 0            | 2           | 28            | 0           | 4.66  | 2.02                           | 1.83         | 19   |             |                      |      | 7          | 4          | 1           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 33.2    | 3.8                            |         |      |        |      |             |              |             |               |             | 3.78  | 1.28                           |              |      | 6.5         |                      |      |            |            |             |     |
| <b>SOUTHEASTERN PIEDMONT</b>  |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| DATESVILLE 1 SW               | 43.0                    | 25.6            | 34.3    | 2.8                            | 64      | 12   | 14     | 16   | 885         | 0            | 2           | 27            | 0           | 4.43  | 1.76                           | 1.08         | 19   |             |                      |      | 6          | 5          | 1           |     |
| EVAVULT 1 W                   | 41.6                    | 22.9            | 32.3    |                                | 64      | 11   | 11     | 3    | 944         | 0            | 1           | 26            | 0           | 6.14  |                                | 1.22         | 25+  |             |                      |      | 9          | 4          | 3           |     |
| PHRATA                        | 41.4                    | 27.2            | 34.3    | 1.2                            | 61      | 11   | 16     | 3    | 883         | 0            | 2           | 24            | 0           | 3.03  | .63                            | 1.10         | 19   |             |                      |      | 6          | 2          | 1           |     |
| GEORGE SCHOOL                 | 43.3                    | 26.2            | 34.8    | 2.5                            | 65      | 12   | 17     | 16+  | 869         | 0            | 1           | 25            | 0           | 4.84  | 2.35                           | 1.18         | 19   | 5.8         | 3                    | 14   | 7          | 4          | 3           |     |
| WATERFORD                     |                         |                 |         |                                |         |      |        |      |             |              |             |               |             | 3.90  | 1.34                           | 1.12         | 19   | 4.0         |                      |      | 7          | 4          | 1           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 34.9    | 2.1                            |         |      |        |      |             |              |             |               |             | 3.73  | 1.20                           |              |      | 5.6         |                      |      |            |            |             |     |
| <b>LOWER SUSQUEHANNA</b>      |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| RENDTTSVILLE                  | 40.4                    | 24.2            | 32.3    | 1.0                            | 61      | 11   | 12     | 16   | 942         | 0            | 5           | 27            | 0           | 4.37  | 2.06                           | 1.27         | 19+  | 7.0         | 4                    | 15+  | 6          | 5          | 2           |     |
| ROSERVILLE 1 N                | 39.4                    | 25.0            | 32.2    |                                | 59      | 11   | 16     | 15   | 944         | 0            | 5           | 28            | 0           | 2.74  | .51                            | 1.05         | 19   | 15.0        |                      |      | 7          | 2          | 1           |     |
| MARLISLE                      | 41.9                    | 27.3            | 34.6    | 2.1                            | 62      | 10   | 15     | 16   | 874         | 0            | 3           | 25            | 0           | 4.07  | 1.68                           | 1.38         | 19   | 8.0         | 4                    | 15+  | 7          | 3          | 1           |     |
| HAMBERSBURG 1 ESE             | 39.8                    | 25.0            | 32.4    | .3                             | 63      | 10   | 12     | 16   | 938         | 0            | 4           | 26            | 0           | 3.27  | 1.08                           | 1.12         | 18   | 10.7        | 3                    | 21+  | 9          | 2          | 1           |     |
| METTSBURG                     | 40.8                    | 26.9            | 33.9    | .3                             | 61      | 11   | 16     | 4    | 896         | 0            | 5           | 26            | 0           | 4.20  | 1.88                           | 1.23         | 19   | 10.3        | 3                    | 19+  | 5          | 4          | 2           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 33.5    | .8                             |         |      |        |      |             |              |             |               |             | 3.56  | 1.29                           |              |      | 10.4        |                      |      |            |            |             |     |
| <b>MIDDLE SUSQUEHANNA</b>     |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| BERWICK                       | 41.2                    | 25.1            | 33.2    |                                | 59      | 11   | 14     | 14+  | 917         | 0            | 2           | 26            | 0           | 2.35  |                                | 1.01         | 19   | 5.7         | 5                    | 14   | 5          | 2          | 1           |     |
| ENGLISH CENTER                | 38.4M                   | 20.5M           | 29.5M   |                                | 55      | 11   | 11     | 15+  | 1025        | 0            | 4           | 27            | 0           | 3.89  |                                | 1.63         | 19   |             | 7                    | 15   | 6          | 3          | 1           |     |
| CRATZ 1 N                     | 38.7                    | 23.5            | 31.1    |                                | 59      | 11   | 10     | 16   | 977         | 0            | 7           | 27            | 0           | 2.52  |                                | 1.00         | 19   |             | 6                    | 15   | 6          | 2          | 1           |     |
| NEWISTOWN                     | 40.6                    | 24.8            | 32.7    |                                | 61      | 11   | 11     | 17   | 928         | 0            | 4           | 26            | 0           | 3.87  |                                | 1.84         | 19   |             | 5                    | 15+  | 7          | 2          | 1           |     |
| NEWPORT                       | 41.2                    | 24.5            | 32.9    |                                | 60      | 11   | 10     | 16   | 924         | 0            | 4           | 27            | 0           | 3.94  | 1.67                           | 1.30         | 19   |             |                      |      | 6          | 4          | 1           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 32.1    | 2.0                            |         |      |        |      |             |              |             |               |             | 3.45  | .97                            | 1.03         | 19   | 11.0        | 7                    | 15   | 6          | 3          | 1           |     |
| <b>UPPER SUSQUEHANNA</b>      |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| ANTON 1 NW                    | 34.7                    | 19.4            | 27.1    |                                | 53      | 11   | 8      | 14   | 1094        | 0            | 12          | 27            | 0           | 4.11  |                                | 1.66         | 19   | 22.2        | 14                   | 20+  | 6          | 4          | 1           |     |
| RIXON                         | 37.5                    | 20.1            | 28.8    |                                | 55      | 12   | 12     | 25+  | 1042        | 0            | 8           | 28            | 0           | 4.02  |                                | .86          | 19   | 14.1        | 9                    | 16+  | 8          | 3          | 0           |     |
| MAGLES MERE                   |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
| LAWRENCEVILLE 2 S             | 37.6                    | 21.1            | 29.4    | 3.1                            | 55      | 11   | 7      | 25   | 1027        | 0            | 7           | 26            | 0           | 2.56  | 1.01                           | .92          | 19   | 26.3        | 11                   | 15+  | 7          | 2          | 0           |     |
| DONTROSE                      | 33.4                    | 17.9            | 25.7    |                                | 50      | 12+  | 7      | 3    | 1134        | 0            | 15          | 28            | 0           | 4.02  |                                | 1.00         | 19   | 40.2        | 19                   | 20   | 8          | 2          | 1           |     |
| <b>DIVISION</b>               |                         |                 |         |                                |         |      |        |      |             |              |             |               |             |       |                                |              |      |             |                      |      |            |            |             |     |
|                               |                         |                 | 27.8    | 2.5                            |         |      |        |      |             |              |             |               |             | 3.49  | 1.46                           |              |      | 25.3        |                      |      |            |            |             |     |

See Reference Notes Following Station Index



DAILY PRECIPITATION

PENNSYLVANIA  
FEBRUARY 1966

Table with columns for Station, Total, Day of month (1-31), and precipitation amounts. Includes stations like ACMETONIA LOCK 3, ALLENTOWN WA AP, ALLENTOWN GAS CO, ALTOONA HORSESHOE CURVE, etc.

See Reference Notes Following Station Index





# DAILY PRECIPITATION

PENNSYLVANIA  
FEBRUARY 1960

CONTINUED

| Station                 | Total | Day of month |     |   |   |   |     |     |     |     |     |      |     |     |      |      |     |    |      |     |     |      |     |     |     |     |     |     |     |     |     |     |  |  |
|-------------------------|-------|--------------|-----|---|---|---|-----|-----|-----|-----|-----|------|-----|-----|------|------|-----|----|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|                         |       | 1            | 2   | 3 | 4 | 5 | 6   | 7   | 8   | 9   | 10  | 11   | 12  | 13  | 14   | 15   | 16  | 17 | 18   | 19  | 20  | 21   | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |  |  |
| TYRONNE & NF RALO EARLF | 3.51  | T            |     |   |   |   | .98 | .07 | T   | .25 | T   | .21  | T   | .50 | .06  |      |     |    | 1.35 | T   | T   | .08  |     |     |     |     |     | .36 | T   |     | .05 |     |  |  |
| UNION CITY FILT PLANT   | 4.23  |              | .01 | T |   |   | .30 | .31 | .08 | .08 | .39 | .36  | .08 | .06 | .36  | .39  |     |    |      | .42 | .41 | .02  | .13 | .05 |     |     | .54 | .12 | .04 | .07 |     |     |  |  |
| UNIONTOWN               | 3.88  |              | T   |   |   |   | .42 | .04 | .07 | T   | .56 | .08  | T   | .32 | .68  |      |     |    | .01  | .87 |     | .31  | .01 | .07 | .01 | .01 |     | .10 | T   | .01 | .15 | .15 |  |  |
| VANDERGRIFT             | 3.05  |              |     |   |   |   | T   | .46 | .12 | .02 | .38 | .01  | .60 |     | .71  | .09  |     |    |      |     |     | .41  | .01 | .06 |     |     | T   | .15 | T   | .03 | T   |     |  |  |
| VIRGINVILLE             | 3.18  |              |     |   |   |   |     | .32 |     |     |     | .73  | T   |     | .17  | T    |     |    |      |     |     | 1.35 |     |     |     |     |     | .52 |     |     | .09 |     |  |  |
| WARREN                  | 3.09  |              | T   |   |   |   | .01 | .44 | .25 | .05 | .08 | .22  | .34 | .04 | .01  | .43  | .14 |    |      | T   |     | .25  | .18 | .01 | .05 | .02 |     | .37 | .11 | .01 | .08 |     |  |  |
| WATSONTOWN              | 3.68  |              |     |   |   |   | .40 | .07 | T   | .08 | .09 | T    | .71 | T   | .71  |      |     |    |      |     | .20 | .73  | T   | .01 | .11 |     | .24 | .27 | T   |     | .06 |     |  |  |
| WAYNESBURG 2 W          | 3.11  |              |     | T |   |   | .42 | .08 | .02 | .09 |     | .60  | .01 |     | .81  | .04  |     |    |      |     |     | .59  | T   | .08 | .03 | T   | .02 | .08 | .01 | .13 |     |     |  |  |
| WELLSBORO 3 S           | 2.55  |              |     | T |   |   | .37 | T   | T   | .02 |     | .17  | T   | .43 | .11  |      |     |    |      |     |     | .86  | .12 | T   | .03 | T   | T   | .39 | T   | .05 |     |     |  |  |
| WEST CHESTER            | 03.53 |              |     |   |   |   | .63 |     |     |     |     | 1.01 |     |     | 0.30 | .11  |     |    |      |     |     | 1.02 |     |     |     |     | .53 | .02 |     | .02 |     |     |  |  |
| WEST GROVE 1 E          | 4.88  |              |     |   |   |   | .83 |     |     | .04 |     | 1.03 |     |     | .88  |      |     |    |      |     |     | 1.08 |     |     |     |     | .97 |     |     |     |     |     |  |  |
| WEST HICKORY            | 3.63  |              |     |   |   |   | .42 | .15 | .11 | .12 | .25 | .31  | .10 | .02 | .43  | .14  |     |    |      |     |     | .35  | .18 | .02 | .12 | .01 | .01 | .45 | .15 | .02 | .06 |     |  |  |
| WHITESBURG              | 3.09  |              | T   |   |   |   | .40 | .16 | T   | .52 | T   | .54  | T   |     | .70  | .12  |     |    |      |     |     | .30  | .14 | .07 | .04 | T   | T   |     |     |     | .07 |     |  |  |
| WILKES BARRE            | 2.80  |              |     | T |   |   | .26 |     |     | .14 | T   | .30  | T   |     | .46  | .15  |     |    |      |     |     | 1.19 | .07 | .03 | T   |     | .13 | T   |     |     | .07 |     |  |  |
| WILLIAMSBURG            | 3.39  |              |     |   |   |   | .32 | .25 | .10 | .06 |     | .06  | T   | T   | .97  | .10  |     |    |      |     |     | .45  | .23 | T   |     |     | .19 | .15 | T   | .26 |     |     |  |  |
| WILLIAMSPORT WB AP      | 4.81  | T            |     | T |   |   | .34 | .61 | T   | .07 | .07 | .05  | .97 | T   | .10  | 1.01 |     |    |      |     |     | .66  | .25 | T   | T   | .04 | .50 | .02 | T   | .12 |     |     |  |  |
| WOLFSBURG               | 3.31  |              |     |   |   |   | T   | .79 | .03 | T   | .01 | .13  |     |     | .56  | .03  |     |    |      |     |     | 1.38 |     |     |     | .03 | .03 | .22 | T   | .10 |     |     |  |  |
| YORK 3 SSW PUMP STA     | 3.42  |              | T   |   |   |   | T   | .45 |     | T   |     | .59  |     | T   | .74  |      |     |    |      |     |     | 1.33 |     |     | .07 | .17 | .35 |     |     |     | .05 |     |  |  |
| YORK HAVEN              | 3.20  |              |     | T |   |   | .41 |     |     | T   | .26 | T    |     | .61 | .03  |      |     |    |      |     |     | 1.31 |     |     | .01 | .17 | .62 |     |     | .05 |     |     |  |  |
| ZION GROVE              | 3.20  |              |     |   |   |   | .43 |     |     | .18 |     | .76  |     |     | .61  |      |     |    |      |     |     | .93  |     |     |     | .19 | .62 |     |     | .10 |     |     |  |  |
| ZIONVILLE 3 SE          | -     |              |     |   |   |   | .44 |     |     | T   |     | -    |     |     | .37  | .12  |     |    |      |     |     | .82  |     |     | T   |     | .41 |     | .10 |     |     |     |  |  |

See Reference Notes Following Station Index







# DAILY SOIL TEMPERATURES

PENNSYLVANIA  
FEBRUARY 1960

| Station<br>And<br>Depth | Time     | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |      |
|-------------------------|----------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|------|
|                         |          | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |      |
| ERIE CO FIELD RSCH LAB  | MAX      | 34           | 34 | 35 | 34 | 33 | 33 | 34 | 34 | 33 | 38 | 39 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 34 | 34 | 35 | 34 | 34 | 34 | 34      | 34   | 34.4 |
|                         | MIN      | 34           | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34      | 34   | 33.8 |
| LANOISVILLE 2 NW        | 2 INCHES | 8 AM         | 32 | 32 | 30 | 30 | 31 | 36 | 35 | 32 | 33 | 39 | 40 | 38 | 34 | 32 | 31 | 30 | 30 | 31 | 32 | 30 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31      | 32.1 |      |
| STATE COLLEGE           | MAX      | 31           | 30 | 31 | 32 | 31 | 32 | 31 | 30 | 32 | 39 | 39 | 31 | 30 | 29 | 31 | 32 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 31.2    |      |      |
|                         | MIN      | 29           | 27 | 25 | 26 | 30 | 30 | 29 | 27 | 30 | 31 | 31 | 28 | 28 | 28 | 27 | 27 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29      | 28.9 |      |
| 4 INCHES                | MAX      | 31           | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 34 | 37 | 32 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31.1    |      |      |
|                         | MIN      | 30           | 29 | 27 | 27 | 30 | 30 | 30 | 29 | 30 | 30 | 33 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30      | 29.8 |      |
| 8 INCHES                | MAX      | 31           | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 35 | 33 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31.3    |      |      |
|                         | MIN      | 30           | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30.7    |      |      |
| 16 INCHES               | MAX      | 33           | 33 | 33 | 33 | 32 | 32 | 33 | 33 | 33 | 32 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 33 | 35 | 33.2    |      |      |
|                         | MIN      | 32           | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31.0    |      |      |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as Conotton gravelly loam. Ground Cover: Seedling grapes and Native Weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent bluegrass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil thermometer.

State College - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky Blue Grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed<br>m. p. h. |              |                           |                      | Relative humidity averages<br>percent |            |            |            | Number of days with precipitation |         |         |       |         |              |       | Percent of possible sunshine | Average sky cover sunrise to sunset |
|-------------------------|----------------|---------------------------------|------------------------|--------------|---------------------------|----------------------|---------------------------------------|------------|------------|------------|-----------------------------------|---------|---------|-------|---------|--------------|-------|------------------------------|-------------------------------------|
|                         | Prevailing     | Percent of time from prevailing | Average                | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                            | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | .01-.09 | .10-.49 | 50-99 | 100-199 | 200 and over | Total |                              |                                     |
| ALLENTOWN WB AIRPORT    | W              | 28                              | 16.6                   | 52++         | ESE                       | 25                   | 74                                    | 76         | 59         | 67         | 7                                 | 4       | 6       | 2     | 1       | 0            | 20    | -                            | 6.6                                 |
| ERIE WB AIRPORT         | WSW            | 17                              | 14.7                   | 32++         | SSW                       | 26                   | 79                                    | 81         | 74         | 81         | 9                                 | 11      | 7       | 2     | 1       | 0            | 28    | -                            | 8.7                                 |
| HARRISBURG WB AIRPORT   | W              | 24                              | 11.2                   | 37           | W                         | 20                   | 66                                    | 68         | 50         | 56         | 7                                 | 6       | 5       | 3     | 0       | 0            | 21    | 59                           | 7.2                                 |
| PHILADELPHIA WB AIRPORT | WNW            | 25                              | 12.1                   | 44           | NW                        | 19                   | 69                                    | 73         | 54         | 59         | 4                                 | 3       | 6       | 2     | 0       | 0            | 15    | 61                           | 7.1                                 |
| PITTSBURGH WB AIRPORT 2 | W              | 16                              | 11.8                   | 30++         | WSW                       | 26                   | 71                                    | 73         | 65         | 70         | 6                                 | 11      | 7       | 2     | 0       | 0            | 26    | 35                           | 9.0                                 |
| READING WB CITY         | -              | -                               | 15.6                   | 56           | E                         | 25                   | -                                     | -          | -          | -          | 6                                 | 2       | 5       | 4     | 0       | 0            | 17    | 48                           | 6.8                                 |
| SCRANTON WB AIRPORT     | WNW            | 13                              | 11.4                   | 50           | SE                        | 25                   | 74                                    | 76         | 62         | 64         | 11                                | 10      | 2       | 3     | 0       | 0            | 26    | 39                           | 7.7                                 |
| WILLIAMSPORT WB AIRPORT | WNW            | 22                              | 12.3                   | 33           | WNW                       | 19                   | 72                                    | 71         | 56         | 60         | 9                                 | 5       | 4       | 4     | 1       | 0            | 23    | -                            | 7.8                                 |

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
FEBRUARY 1960

| Station                 | Day of month |    |    |   |   |     |     |     |     |    |     |     |      |      |      |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------|--------------|----|----|---|---|-----|-----|-----|-----|----|-----|-----|------|------|------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                         | 1            | 2  | 3  | 4 | 5 | 6   | 7   | 8   | 9   | 10 | 11  | 12  | 13   | 14   | 15   | 16  | 17  | 18  | 19   | 20   | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |
| ALLENTOWN WB AIRPORT    | T            |    |    |   |   |     | T   | T   | .2  |    |     |     | .3   | 2.9  | 1    | 3   | 2   | 1   | 2.4  | .4   | T   | T   | T   |     | .4  |     | T   | T   |     |     | 1.7 |
| AUSTINBURG 2 W          |              | T  | T  | T | T | T   | T   |     |     | T  |     | T   |      | 9.0  | 1.0  |     | 9   | 6   | T    | 4.0  | 1.0 | T   | 1.0 |     |     |     |     |     |     | 1.0 |     |
| BRAOFOFAA AIRPORT       | T            | T  | T  | T | T | 2.0 | .1  | T   |     | .7 | 1.1 | 2.0 | 11.3 | .8   | T    | T   | 5.0 | 1.5 | 1.4  | T    | .7  | T   | T   | 3.0 | .5  | .5  | T   | 1.0 |     |     |     |
| BRAOFO 4 W RES          | 7            | 7  | 5  | 4 | 3 | .1  | 3.5 | .8  | T   | 4  | 3   | 2.0 | .5   | 13.0 | 4.5  | T   | 7.5 | 2.5 | T    | 2.5  | .5  | T   | 19  | 3.5 | 3.1 | 3.5 | T   | 1.5 |     |     |     |
| BROOKVILLE FAA AIRPORT  | T            | T  |    |   | T | 2.0 | 1.0 | .1  |     | .3 | .1  | .4  | 8.0  | T    | T    | 6   | .5  | 2.2 | .8   | .3   | .8  | .1  | T   | 2.8 | T   | T   | T   | .6  |     |     |     |
| CANTON 1 NW             | 1            | 1  | 1  | 1 | T | T   | T   | T   | .9  |    |     | T   | T    | 7.5  | .9   | 7   | 5   | 3   | 12.0 | T    | 13  | 13  | 12  | 12  | 12  | 12  | T   | 11  | .9  |     |     |
| CARLISLE                |              |    |    |   |   |     |     |     | .5  |    |     |     |      | T    | 4.0  | 4   | 2   | T   |      | 1.0  |     |     |     | .5  |     |     |     |     | 2.0 |     |     |
| CARROLLTOWN 2 SSE       | 1            | T  | T  | 1 | T | T   | 1.0 | 1.0 | 2.0 |    |     | T   | T    | 5.0  | 2.0  | T   | 8   | 6   | 4    | 13.0 | 2.0 | 1.0 | 2.0 | T   | T   | 2.0 | 1.0 | T   | 3.0 |     |     |
| CORRY                   | .2           | .7 | 2  | 1 | T | .5  | 7.0 | 1.0 | T   |    | .2  | 5.0 | 1.0  | 10.0 | 6.0  | .5  | 2.0 | 1.0 | 8.0  | 1.0  | 8.0 | 17  | 3.0 | .5  | T   | 2.0 | 4.0 | 5.0 | 1.0 | 1.5 |     |
| COONEGAL                | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | -    | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |
| DU BOIS 7 E             | T            | T  | T  | T | T | .5  | 1.0 | .5  | 2.0 |    | T   | 1.0 | 1    | 10.0 | T    | 8   | 6   | 5   | 3.0  | 3.0  | T   | 1.0 | T   | 6   | 2.0 | 2.0 | 1.0 | 7   | 1.0 |     |     |
| ENGLISH CENTER          | -            | -  | -  | - | - | -   | -   | -   | -   | 1  | -   | -   | -    | 6    | 7    | 6   | 5   | 4   | 4    | 5    | 5   | 5   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 3   |     |
| ERIE WB AIRPORT         | T            | .9 | T  |   |   | .3  | .5  | T   | T   |    | .9  | .3  | .7   | 7.0  | T    | T   | T   | 3.4 | 2.0  | T    | .4  | 1.8 | T   | 2.2 | .8  | .4  | .1  | .9  |     |     |     |
| EVERETT 1 SW            | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | -    | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |     |
| FORO CITY 4 S OAM       |              |    |    |   |   | 1.0 | .5  | 2.0 |     |    | T   | T   | T    | 12.0 | 2.0  | T   | 5   | 3   | 3    | 3.0  | 3.0 | T   | 1.0 | 1.0 | T   | 1.0 | T   | T   | 1.0 |     |     |
| GALETON                 |              |    |    |   |   |     | T   | T   | 1.2 |    |     |     |      | 10.5 | 1.0  | 8   | 4   | 3   | 2.5  | 1.5  | 5   | 1.6 | .6  | T   | 4.5 | -   | -   | .5  | .3  |     |     |
| GEORGE SCHOOL           |              |    |    |   |   |     |     |     |     |    |     |     |      | 2.5  | 3    | 2   | 2   | 1   | 1    |      |     | .7  |     |     |     |     |     |     | 1.6 |     |     |
| GRATERFORD              | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | 3.5  | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |     |
| GREENSBORO LOCK 7       |              |    | T  |   |   |     | T   | .3  |     |    |     |     |      | 12.0 | 12   | 11  | B   | 4   | 2    | 3.0  | T   | 5   | 5   | 4   | 3   | 3   | 1   | 1   | 3.0 |     |     |
| HANOVER                 |              |    |    |   |   |     |     |     |     |    |     |     |      | 5.0  | 4    | 4   | 2   | 1   | T    | 3.0  | 2   | T   | .5  | T   | 2.0 |     |     |     | T   |     |     |
| HARRISBURG WB AIRPORT   | T            | T  |    |   |   |     | T   | T   | .1  |    |     |     | 1.5  | 4.3  | 3    | 2   | 2   | 2   | T    | T    | T   | .5  | 1   | T   | T   | T   | T   | .6  | .4  |     |     |
| HOLTWOOD                |              |    |    |   |   |     |     |     |     |    |     |     |      | 6.0  | 6    | 6   | 5   | 4   | 3    | 1.0  | 2   | 2   | 1.0 | T   | T   | 1.0 | T   | T   | T   |     |     |
| HOOVERSVILLE            | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | -    | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |     |
| INDIANA 3 SE            |              | T  | T  |   |   |     | .6  | 1.0 | 2.0 |    |     |     | T    | T    | 12.0 | .6  | 12  | 10  | 4    | 5.0  | 3.0 | T   | 1.3 | .2  | .1  | T   | 1.2 | .6  | 1.0 |     |     |
| KANE 1 NNE              | 1            | .2 | 1  | 1 | 1 | 1   | 1.3 | 1.0 | 2.0 |    | 1   | T   | 3.0  | 1.0  | 12.0 | 3.0 | T   | 10  | .2   | 2    | 3.0 | 3.0 | 3   | 2.2 | .5  | .2  | T   | 3.9 | 5.0 | 1.0 | .7  |
| LANCASTER 2 NE PUMP STA | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | -    | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |     |
| LAWRENCEVILLE 2 S       |              |    |    |   |   |     |     | T   |     |    |     |     |      | 11.0 | 11   | 11  | 6   | 5   | 3    | 9.0  | .5  | 8   | 2.0 | 8   | 7   | 8   | 7   | 7   | 7   |     |     |
| LEWISTOWN               | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | 5    | 5    | 3   | 2   | 2   | 1    | 1    | 1   | T   |     |     |     |     |     |     |     |     |     |
| MARTINSBURG FAA AIRPORT |              | T  |    |   |   | T   | T   | .2  | T   |    |     |     | T    | 2.1  | 4.7  | T   | 6   | 4   | 9.6  | 1.9  | T   | T   | .1  | T   | 1.9 | 4   | .3  | .7  | 1.0 |     |     |
| MATAMORAS               | 1            |    |    |   |   |     |     |     | 1.5 | 2  |     |     |      | 1.0  | 1.0  | 1   | 1   | 1   | 3.0  | 2    | 2   | 2   | 2   | 1   | 1   | 1   | 1   | 1   | 1   |     |     |
| MEAOVILLE 1 S           | 1            | .5 | .2 | 1 | T |     | 3.4 | 1.2 | 2.4 | T  |     |     | 2.6  | 1.5  | 5.8  | 3.9 | 6   | T   | 4.3  | 5.1  | .7  | 2.3 | .7  | .2  | 4   | 1.6 | 5.4 | 1.4 | 1.1 |     |     |
| MEOIX RUN               | T            | T  | T  | T | T |     | .5  | .8  | .2  |    |     |     | T    | T    | 9.5  | 2.5 | T   | .1  | T    | .4   | 1.5 | .1  | 1.0 | T   | 2.0 | 3   | 5   | 1.0 | .5  |     |     |
| MONTROSE                | 3            | .1 | .1 | 3 | 2 | 2   | .5  | .3  | 7.0 | 8  | 4   | T   | T    | .2   | 4.0  | 6.0 | 8   | 6   | 5    | 12.0 | 5.0 | .6  | .6  | .2  | 10  | 12  | 10  | 10  | .6  |     |     |
| MUHLBURG 1 SE           |              |    |    |   |   |     |     |     | 2.0 |    |     |     |      | 4.0  | 4    | 3   | 3   | 2   | T    | 5.0  | 4   | 3   | 4   | 3   | 3   | 2   | 1.0 | 3   | 2   | 1   | 1.0 |
| NEWPORT                 | -            | -  | -  | - | - | -   | -   | -   | -   | -  | -   | -   | -    | -    | -    | -   | -   | -   | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   |     |     |
| PHILADELPHIA WB AIRPORT |              |    | T  |   |   |     |     |     |     |    |     |     |      | 1.0  | 1    | 1   | T   | T   | T    |      |     | .5  | T   |     | 1.0 |     |     |     | .2  |     |     |
| PHILIPSBURG FAA AIRPORT |              | T  | T  |   |   | 1.0 | T   | T   | 1.0 | .4 |     |     |      | 3.0  | 9.0  | T   | T   | T   | 11.0 | 10.0 | -   | T   | .5  | T   | 4.0 | 1.0 | 2.0 | T   | 2.0 |     |     |

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

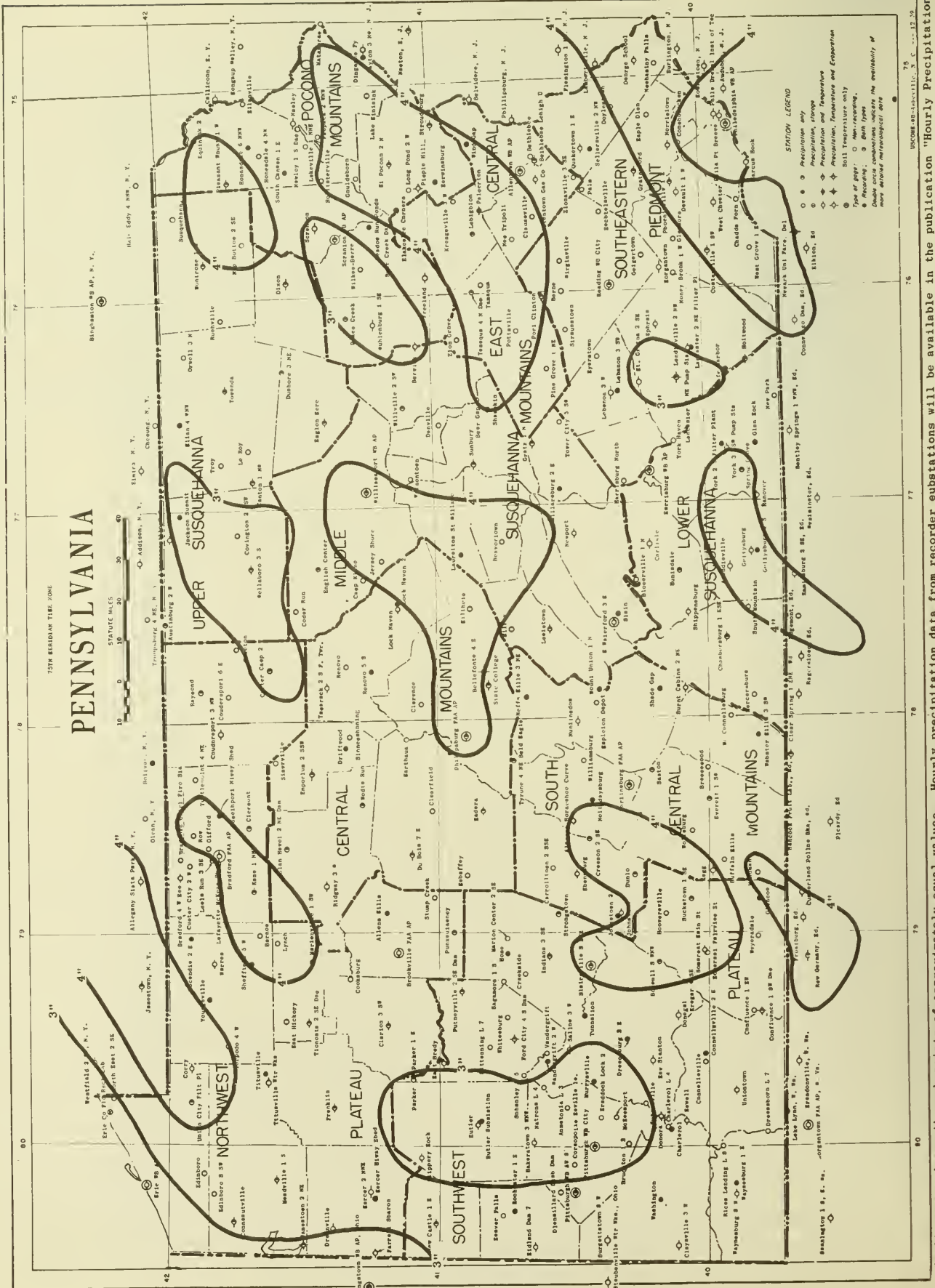
NOV 7 1961  
JANUARY 1-61

| Station                 |                        | Day of month |    |    |    |     |     |     |     |    |    |    |     |     |      |     |    |     |      |     |    |     |    |    |     |     |     |    |     |    |    |    |
|-------------------------|------------------------|--------------|----|----|----|-----|-----|-----|-----|----|----|----|-----|-----|------|-----|----|-----|------|-----|----|-----|----|----|-----|-----|-----|----|-----|----|----|----|
|                         |                        | 1            | 2  | 3  | 4  | 5   | 6   | 7   | 8   | 9  | 10 | 11 | 12  | 13  | 14   | 15  | 16 | 17  | 18   | 19  | 20 | 21  | 22 | 23 | 24  | 25  | 26  | 27 | 28  | 29 | 30 | 31 |
| PITTSBURGH WB AIRPORT 2 | SNOWFALL               | T            | .3 |    |    | .4  | .4  | .4  |     |    | .2 | .4 | 4.6 | 7.7 | T    | T   | T  | 2.9 | 1.0  | .4  | .5 | .2  | T  |    | 1.4 | T   | .1  | .2 | .7  |    |    |    |
|                         | SN ON GND<br>WTR EQUIV | T            |    |    |    |     | T   | T   |     |    |    | T  | T   | 10  | 12   | 9   | 9  | 2   | 6    | 5   | 4  | 3   | 2  | 1  | 1   | 1   | 1   | 1  | 1   | 1  |    |    |
| PLEASANT MOUNT 1 W      | SNOWFALL               |              | T  | T  |    | 1.0 | .8  | .5  | 5.0 |    | 11 | 7  | T   | T   | 3.0  | 2.0 |    | T   | 11.0 | 2.0 | T  | T   | T  | T  |     | 2.0 |     |    | T   |    |    |    |
|                         | SN ON GND              | 10           | 10 | 10 | 10 | 9   |     |     | 13  |    |    |    | 4   | 4   | 7    | 9   | 8  | 7   | 5    | 15  | 16 | 15  | 15 | 14 | 14  | 13  | 15  | 15 | 15  | 14 |    |    |
| READING WB CITY         | SNOWFALL               | T            |    |    |    |     |     | T   | T   |    |    |    | T   | 2.0 | 2.1  |     |    |     | .5   | .9  | T  | T   |    |    | .6  |     |     |    |     |    |    |    |
|                         | SN ON GND              | T            |    |    |    |     |     |     |     |    |    |    | T   | 2   | 4    | 2   | 1  | 1   | 1    | 1   | 1  | 1   | T  | T  | T   |     |     | .2 | .9  | 1  |    |    |
| SCRANTON WB AIRPORT     | SNOWFALL               | T            | T  | T  |    | T   |     | .1  | .7  |    |    |    | T   | .7  | 4.1  | T   |    | 4.3 | 3.2  | .1  | T  | .7  | T  | T  | .3  | T   | .2  | .1 | .9  |    |    |    |
|                         | SN ON GND<br>WTR EQUIV | T            | T  | T  | T  | T   |     | T   | 1   |    |    |    | T   | 2   | 5    | 4   | 2  | 1   | 7    | 7   | 6  | 6   | 6  | 5  | 3   | 1   | 1   | 1  | 2   | 2  |    |    |
| SHIPPENSBURG            | SNOWFALL               |              |    |    |    |     |     |     |     |    |    |    |     | 6.5 |      |     |    |     |      |     |    |     |    |    |     |     |     |    |     |    |    |    |
|                         | SN ON GND              |              |    |    |    |     |     |     |     |    |    |    |     | 7   | 4    | 3   | 2  | 2   | 4    | 4   | -  | 3   | 3  | 2  | 2   | 2   | 2   | 2  | 1   | 2  |    |    |
| SLIPPERY ROCK           | SNOWFALL               |              | T  |    |    |     | 1.0 | 1.0 | 1.0 |    |    |    | 1.0 | T   | 11.0 | 3.0 |    | T   | 3.0  | 1.0 | T  | 2.0 | T  | T  |     | T   | 1.0 | T  | .5  |    |    |    |
|                         | SN ON GND              |              |    |    |    |     | 1   | 2   | 1   |    |    |    | 1   | 1   | 11   | 14  | 12 | 9   | 4    | 6   | 7  | 7   | 8  | 8  | 5   | 4   | 4   | 5  | 5   | 5  |    |    |
| TIONESTA 2 SE DAM       | SNOWFALL               |              | T  | T  |    |     | 2.5 | T   | 2.0 |    |    |    | 1.0 | T   | 12.0 | 1.0 |    | T   | 3.0  | 1.0 | T  | 1.5 | T  | T  | T   | 5.0 | 4.0 | T  | 1.0 |    |    |    |
|                         | SN ON GND              | T            | T  | T  | T  |     | 3   | 2   | 2   | T  |    |    | 1   | 1   | 13   | 14  | 11 | 8   | 5    | 6   | 7  | 7   | 7  | 6  | 4   | 7   | 11  | 11 | 9   |    |    |    |
| TOWANDA                 | SNOWFALL               |              | T  | T  |    |     | T   | T   | T   |    |    |    |     | T   | 6.0  | 5.6 |    | T   | 3.5  | .7  |    | 1.0 | T  | T  |     | 2.0 | T   |    | .4  |    |    |    |
|                         | SN ON GND              | T            | T  | T  | T  | T   |     |     | T   |    |    |    | T   | 6   | 12   | 11  | 6  | 5   | 7    | 7   | 6  | 4   | 4  | 4  | 4   | 6   | 6   | 6  | 6   |    |    |    |
| TOWER CITY 5 SW         | SNOWFALL               |              |    |    |    |     |     |     | T   | .5 |    |    |     |     | 5.0  |     |    |     | T    | 3.0 |    |     |    |    |     |     |     |    | 2.0 |    |    |    |
|                         | SN ON GND              | -            | -  | -  | -  | -   | -   | -   | -   | -  | -  | -  | -   | -   | -    | -   | -  | -   | -    | -   | -  | -   | -  | -  | -   | -   | -   | -  | -   |    |    |    |
| WILLIAMSPORT WB AIRPORT | SNOWFALL               | T            |    |    |    | T   |     | .7  | .7  |    |    | T  | T   | 1.0 | 9.2  |     | T  | .2  | .3   | T   | T  | .7  |    |    | 1.5 | T   | T   | T  | 1.3 |    |    |    |
|                         | SN ON GND<br>WTR EQUIV | T            |    |    |    | T   |     | 1   | 1   |    |    | T  | T   | 6   | 9    | 9   | 7  | 5   | 2    | 2   | 2  | 2   | 2  | 2  | 1   | 1   | 1   | 1  | 1   | 1  |    |    |

See reference notes following Station Index.

# TOTAL PRECIPITATION

PENNSYLVANIA  
FEBRUARY 1960

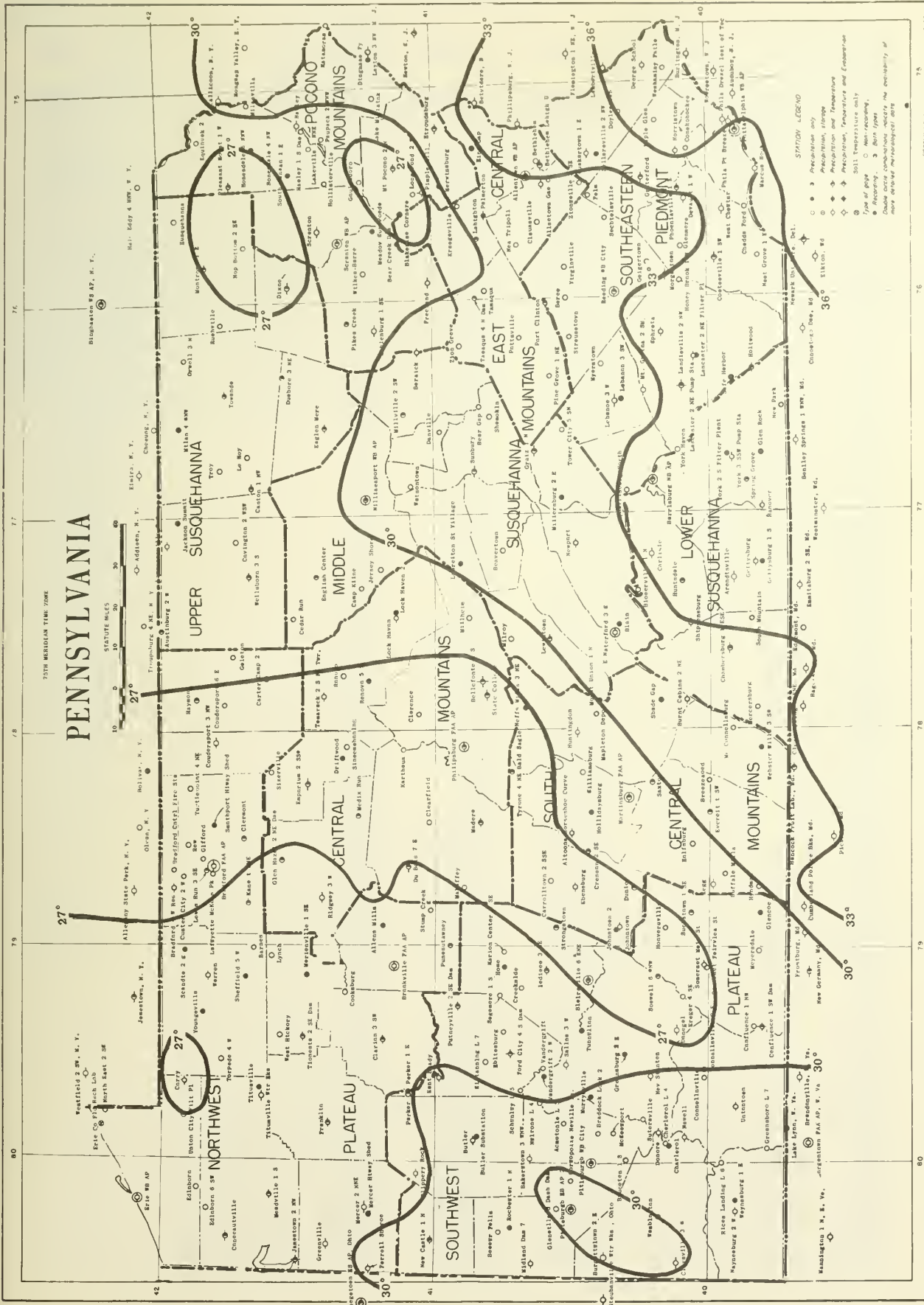


Isolines are drawn through points of approximately equal value. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data." Caution advised in using these maps for interpolation, particularly in mountainous areas.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
FEBRUARY 1960



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA FEBRUARY 1960

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Contains station data for counties like Allegheny, Armstrong, Berks, etc.

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Contains station data for counties like Adams, Berks, Bradford, etc.

# STATION INDEX

CONTINUED

PENNSYLVANIA  
FEBRUARY 1960

| STATION                | INDEX NO. | COUNTY         | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER | STATION                               | INDEX NO.                        | COUNTY | DRAINAGE        | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER            |                         |   |                        |
|------------------------|-----------|----------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|---------------------------------------|----------------------------------|--------|-----------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|---------------------|-------------------------|---|------------------------|
|                        |           |                |          |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |                                       |                                  |        |                 |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |                     |                         |   |                        |
| STROUDSBURG            | 8594      | MONROE         | 5        | 40 59    | 75 12     | 480       | 11P                         |         |       |         | C        | WILLIAM HAGERTY<br>CORPS OF ENGINEERS | WILLIAMSBURG                     | 9714   | BLAIR           | 6        | 40 28     | 78 12     | 880                         |         |       |         |                     | MYRON K. BIDDLE         |   |                        |
| STUMP CREEK            | 8610      | JEFFERSON      | 1        | 41 01    | 78 50     | 1520      | 7A                          |         |       |         |          |                                       | WILLIAMSPORT WB AP               | 9728   | LYCOMING        | 16       | 41 19     | 78 59     | 527                         | M10     | M10   | C       | U.S. WEATHER BUREAU |                         |   |                        |
| SENBURY                | 8648      | NORTHUMBERLAND | 15       | 40 52    | 78 47     | 480       | 7A                          |         |       |         |          |                                       | WIND GAP                         | 9781   | NORTHAMPTON     | 5        | 40 51     | 75 18     | 765                         |         |       |         |                     | MRS. MARY D. HOELZEL    |   |                        |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA    | 15       | 41 57    | 75 36     | 1020      | 7A                          |         |       |         |          |                                       | WOLFSBURG                        | 9825   | REDFORD         | 6        | 40 03     | 78 32     | 1190                        |         |       |         |                     | WALTER C. RICE          |   |                        |
| SUTERSVILLE            | 8699      | ALLEGHENY      | 17       | 40 14    | 79 48     | 765       | 7A                          |         |       |         |          |                                       | YORK 5 SW PUMP STA               | 9933   | YORK            | 15       | 39 55     | 78 45     | 190                         | 5P      | 5P    | C       | YORK WATER COMPANY  |                         |   |                        |
| TANAGUA                | 8758      | SCHUYLKILL     | 14       | 40 48    | 75 58     | 830       | 8A                          |         |       |         |          |                                       | YORK 2 S FILTER PLANT            | 9938   | YORK            | 15       | 39 56     | 78 46     | 640                         |         |       |         |                     | YORK WATER COMPANY      |   |                        |
| TANAGUA A H DAM        | 8785      | SCHUYLKILL     | 14       | 40 51    | 75 59     | 1120      | 7A                          |         |       |         |          |                                       | YORK HAVEN                       | 9950   | YORK            | 15       | 40 07     | 78 43     | 310                         |         |       |         |                     | YORK WATER COMPANY      |   |                        |
| TANARACK 2 S FIRE THR  | 8770      | CLINTON        | 16       | 41 24    | 77 51     | 2220      | 7A                          |         |       |         |          |                                       | YOUNGVILLE                       | 9966   | WARREN          | 1        | 41 51     | 79 20     | 1225                        |         |       |         |                     | METROPOLITAN EDISON CO. |   |                        |
| TIOGESTA 2 SE DAM      | 8873      | FOREST         | 1        | 41 29    | 79 28     | 1200      | 8A                          |         |       |         |          |                                       | ZION GROVE                       | 9990   | SCHUYLKILL      | 15       | 40 54     | 76 13     | 940                         |         |       |         |                     | HENRY C. FLETCHER       |   |                        |
| TITUSVILLE             | 8885      | CRAWFORD       | 1        | 41 58    | 79 40     | 1550      | 8A                          |         |       |         |          |                                       | ZIONSVILLE 3 SE                  | 9995   | LEHIGH          | 14       | 40 28     | 75 27     | 680                         |         |       |         |                     | JAMES O. TEETER         |   |                        |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD       | 1        | 41 58    | 79 42     | 1220      | 7P                          | 7P      |       |         |          |                                       | NEW STATIONS                     |        |                 |          |           |           |                             |         |       |         | LESLIE HOWATT       |                         |   |                        |
| TORREDO 4 W            | 8901      | WARREN         | 1        | 41 47    | 79 52     | 1795      | 7A                          |         |       |         |          |                                       | CORNEAUVILLE & E STATE COLLEGE 2 | 1721   | CRAWFORD CENTRE | 1        | 41 46     | 80 15     | 1110                        |         |       |         |                     |                         | MRS. PALLA J. TAUTIN PA. STATE UNIVERSITY |                        |
| TOWANDA                | 8905      | BRADFORD       | 15       | 41 46    | 76 28     | 760       | 7P                          |         |       |         |          |                                       | COMBINED STATIONS                |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| TOWNER CITY 5 SW       | 8910      | DAUPHIN        | 15       | 40 51    | 76 57     | 745       | 8P                          |         |       |         |          |                                       | EOINBORO 6 SW                    | 2519   | CRAWFORD        | 1        | 41 50     | 80 14     | 1140                        |         |       |         |                     |                         |   | COMBINED WITH STA 1721 |
| TROY                   | 8959      | BRADFORD       | 15       | 41 47    | 76 47     | 1100      | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| TURKLETON              | 8989      | INDIANA        | 4        | 40 27    | 79 23     | 890       |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| TURTLEPOINT 4 RE       | 9002      | MC KEAN        | 1        | 41 54    | 78 18     | 1640      | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| TYNONE A NE BALD EAGLE | 9024      | BLAIR          | 8        | 40 45    | 78 12     | 1020      | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| UNION CITY FILT PLANT  | 9042      | ERIE           | 1        | 41 55    | 79 48     | 1400      | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| UNIONTOWN              | 9050      | FAVETTE        | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| VANDERGIFT             | 9128      | WESTMORELAND   | 7        | 40 36    | 79 33     | 800       |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| VANDERGIFT 2 W         | 9133      | WESTMORELAND   | 7        | 40 36    | 79 36     | 995       |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| VIRGINVILLE            | 9196      | BERKS          | 1A       | 40 51    | 75 52     | 350       | 8A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WARREN                 | 9298      | WARREN         | 3        | 41 51    | 79 08     | 1280      | 7R                          | 7A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WASHINGTON             | 9512      | WASHINGTON     | 11       | 40 11    | 80 14     | 1200      |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WATSONTOWN             | 9545      | NORTHUMBLAND   | 16       | 41 05    | 76 52     | 450       | 9P                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WAYNESBURG 2 W         | 9562      | GREENE         | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WAYNESBURG 1 E         | 9567      | GREENE         | 10       | 39 54    | 80 10     | 940       |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WEBSTER HILLS 3 SW     | 9300      | FULTON         | 12       | 39 49    | 78 05     | 920       |                             |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WELLSBORO 3 S          | 9408      | TIOGA          | 16       | 41 45    | 77 18     | 1920      | 7A                          | 7A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WEST CHESTER           | 9464      | CHESTER        | 5        | 39 58    | 75 36     | 440       | 8A                          | 8A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WEST GROVE 1 E         | 9509      | CHESTER        | 5        | 39 49    | 75 49     | 440       | 8A                          | 8A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WEST HICKORY           | 9507      | FOREST         | 1        | 41 34    | 79 25     | 1090      | 8A                          | 8A      |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WHITESBURG             | 9655      | ARMSTRONG      | 1        | 40 45    | 79 24     | 1530      | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |
| WILKES-BARRE           | 9702      | LAZEAR         | 15       | 41 15    | 75 52     | 610       | 7A                          |         |       |         |          |                                       |                                  |        |                 |          |           |           |                             |         |       |         |                     |                         |   |                        |

1-ALLEGHENY; 2-BEAVER; 3-CONWAY; 4-CONWAY; 5-DELAWARE; 6-JUNIATA; 7-RISKININETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOWENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

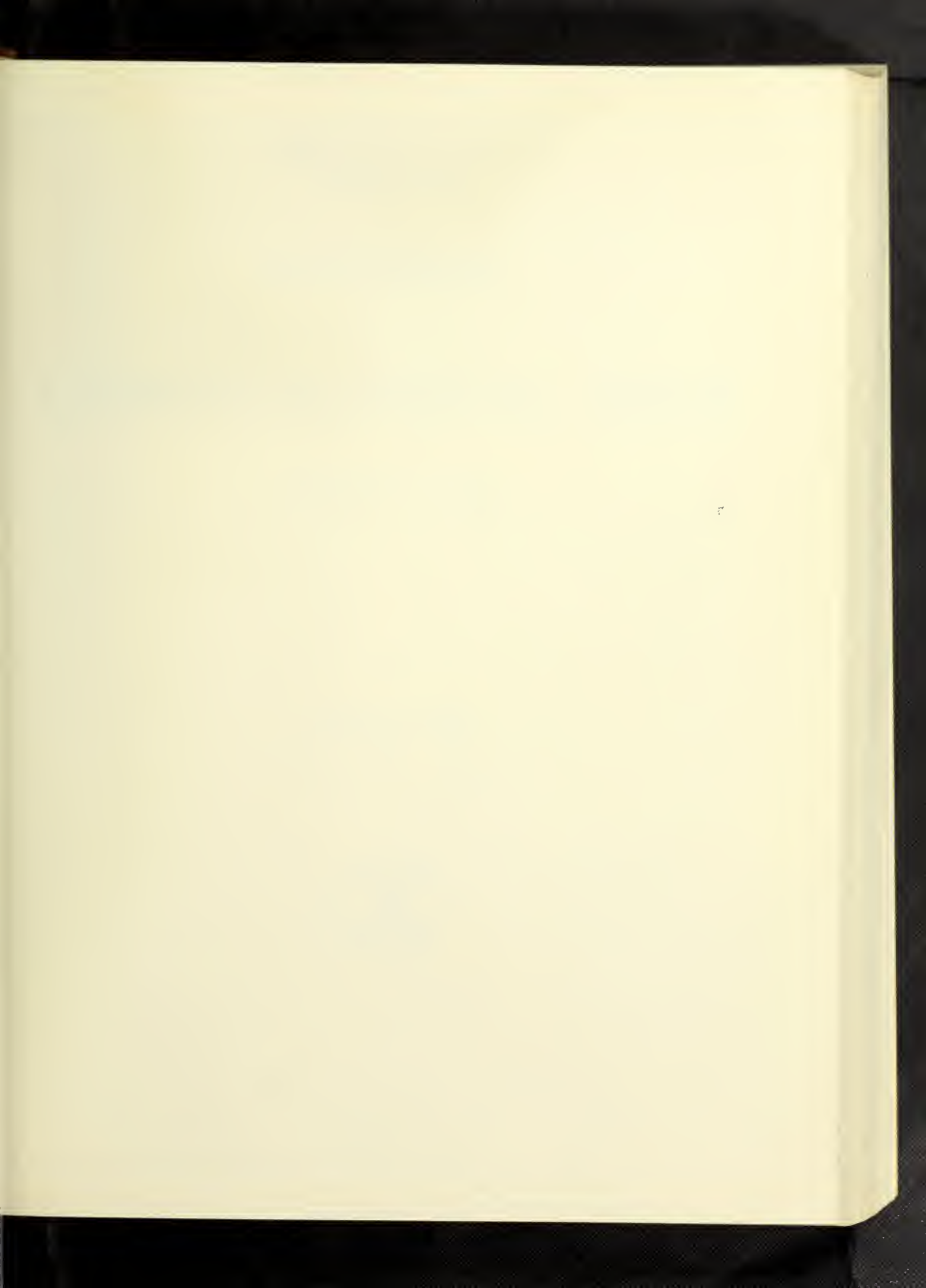
X Observation time is 1:00 a.m., E.S.T. of the following day.

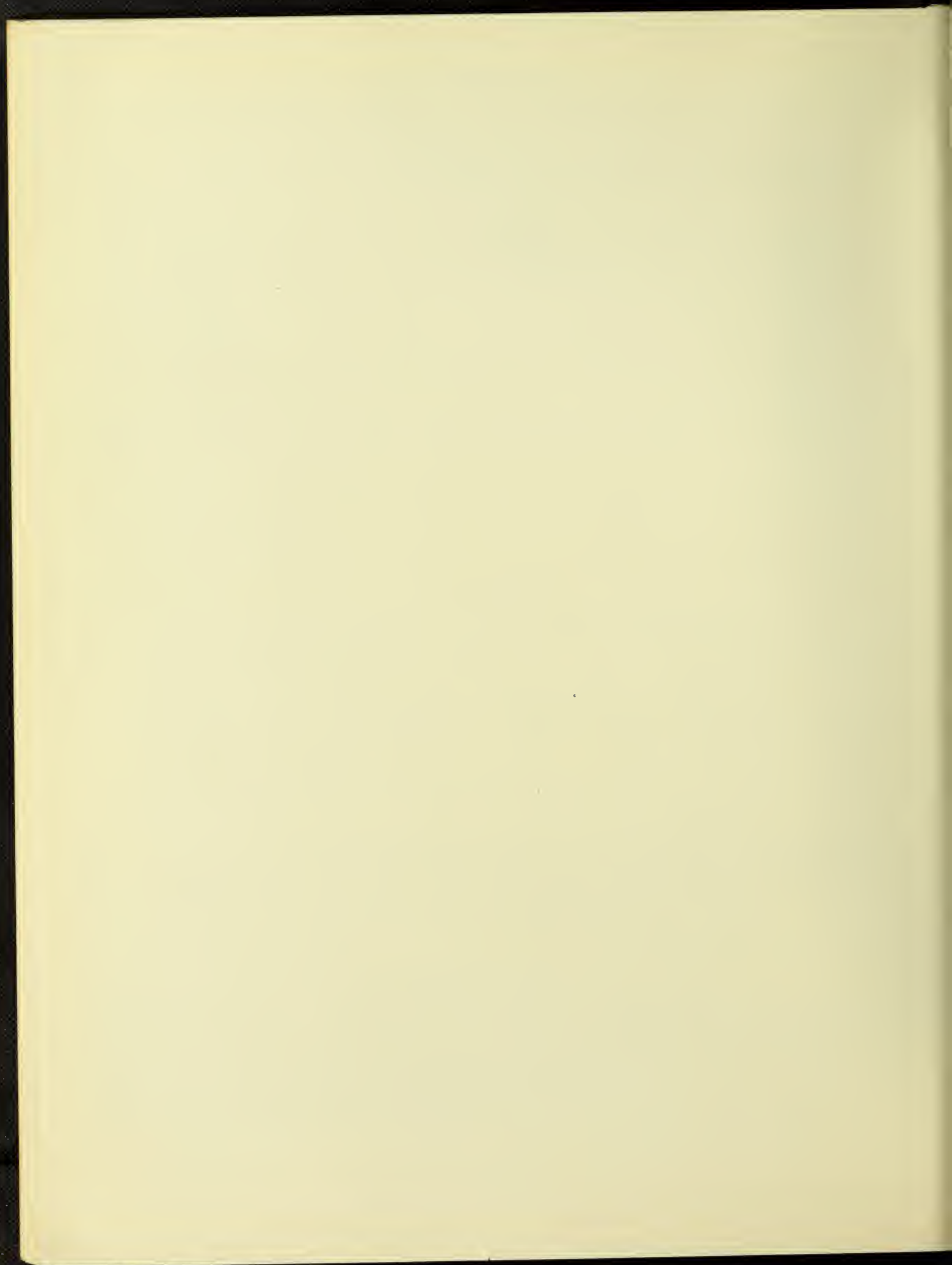
VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.





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U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

MARCH 1960

Volume 65 No. 3



ASHEVILLE: 1960

PENNSYLVANIA - MARCH 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 82° on the 28th at Phil Drexel Inst of Tec

Lowest Temperature: -20° on the 11+ at Ridgway 3 W and on the 9th at Du Bois 7 E

Greatest Total Precipitation: 4.75 inches at Tamaqua 4 N Dam

Least Total Precipitation: 0.63 inch at Erie WB Airport

Greatest One Day Precipitation: 1.50 inches on the 31+ at 2 stations

Greatest Reported Total Snowfall: 54.5 inches at Somerset Fairview St

Greatest Reported Depth of Snow on Ground: 43 inches on the 27th at Coudersport 6 E

SPECIAL WEATHER SUMMARY

The relatively mild weather that prevailed through the previous winter months of December, January, and most of February changed radically during the last few days of February and continued through most of March. Temperatures dropped to unseasonably low levels, thus providing some of the coldest weather of the winter, as well as the coldest March of record. Precipitation was subnormal in most sections, but snow was in abundance as accumulations were several times greater than might normally be expected with some record amounts for March reported.

Pennsylvania was under the influence of cold Canadian air most of the month, with the result that temperatures remained below normal through the first 27 days. This period, combined with the last several days of February, extended the reign of consecutive days with subnormal temperatures to 30 for the longest and coldest such period of record so late in the season. During this time temperatures averaged 10 to 20 degrees below normal and daily readings remained below freezing much of the time. Sub-zero readings between the 9th and 11th were common in western counties and at higher elevations with new record lows set for the date at several places.

A definite change developed in the weather pattern on the 26th and 27th when warmer air moved into the state. Within the space of 48 hours the mercury climbed 30 to 40 degrees, and by the afternoons of the 28th and 29th had reached the 60's and 70's, most areas with an 80 degrees reported at

Philadelphia on the 28th. Warm air predominated the remainder of the month which kept temperatures well above freezing. This melted the snow cover that ranged from a trace in the southern portion of the state to as much as 43 inches at higher elevations in northern counties. By the morning of the 31st about 90 percent of the snow cover as reported by the cooperative stations had been melted. The runoff from snowmelt supplemented by rainfall from a storm on the 30th and 31st, that produced from light amounts in western sections to 1.50 inches in eastern areas, resulted in rapid rises of most rivers and streams throughout the state. By the end of the month low lying areas adjacent to waterways experienced some flooding; however flood crests were not reached until several days later during the early part of April.

Despite the fact that precipitation was below normal, many sections experienced the greatest March snowfall of record. Amounts varied greatly over the state; however, total accumulations were generally 15 to 25 inches. Frequent snowfalls occurred throughout the month; however, the storm on the 3rd and 4th was the most noteworthy, as a foot or more of snow accompanied by strong gusty winds, were reported. Severe drifting during and following the storm closed many roads for several days, paralyzing auto and truck traffic for a time. Six deaths and numerous injuries resulted from the storm.

Nelson M. Kauffman, State Climatologist  
U. S. Weather Bureau  
Harrisburg, Pennsylvania











# DAILY PRECIPITATION

CONTINUED

PENNSYLVANIA  
MARCH 1960

| Station             | Total | Day of month |   |     |      |     |     |   |     |   |    |    |    |    |    |    |     |     |     |     |    |    |    |     |     |     |     |     |    |    |    |    |     |     |     |
|---------------------|-------|--------------|---|-----|------|-----|-----|---|-----|---|----|----|----|----|----|----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|
|                     |       | 1            | 2 | 3   | 4    | 5   | 6   | 7 | 8   | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16  | 17  | 18  | 19  | 20 | 21 | 22 | 23  | 24  | 25  | 26  | 27  | 28 | 29 | 30 | 31 |     |     |     |
| WARREN              | 1.26  | .05          | T | .06 | .36  | .09 | T   |   | .02 |   |    |    |    |    |    |    |     |     |     |     |    |    |    |     |     |     |     |     |    |    |    |    |     |     |     |
| WATSONTOWN          | 2.60  | .09          |   | .76 | T    |     |     |   |     |   |    |    |    |    |    |    | .20 | .17 | .03 | T   | T  |    |    | .25 | .07 | .01 | .04 |     | T  |    |    |    | .04 | .07 |     |
| WAYNESBURG 2 W      | 1.99  | T            |   | .45 | .18  |     |     |   | .02 |   |    |    |    |    |    |    | .20 | .39 |     | T   | T  |    |    | .25 |     | .01 | T   | .06 | T  |    |    |    |     | .42 |     |
| WELLSBORO 3 S       | 1.72  | T            |   | .05 | .45  | .03 | T   |   | .01 | T |    |    |    |    |    |    |     | .13 | T   | .02 | T  | T  |    | .05 | T   |     | T   | .04 | T  |    |    |    |     | .87 |     |
| WEST CHESTER        | 1.94  |              |   | .11 | .62  | .08 |     |   | T   |   |    |    |    |    |    |    |     | .11 | T   |     |    |    |    | .07 | .12 | .01 |     |     |    |    |    |    |     | .11 |     |
| WEST GROVE 1 E      | 2.70  |              |   | .31 | .95  |     |     |   |     |   |    |    |    |    |    |    |     |     |     |     |    |    |    |     |     |     |     |     |    |    |    |    |     |     |     |
| WEST HICKORY        | 1.55  | .04          |   | .16 | .20  | .04 | .02 |   | .06 |   |    |    |    |    |    |    |     |     | .13 | .14 |    | T  |    | .20 |     |     |     |     |    |    |    |    |     |     | .05 |
| WHITESBURG          | -     | T            |   | .14 | .35  | .10 | .10 |   | .06 |   |    |    |    |    |    |    |     |     | .25 | .01 |    |    |    | .32 | .12 | .04 | .05 |     |    |    |    |    |     |     |     |
| WILKES BARRE        | 1.91  | T            |   | .01 | 1.26 | .06 | T   |   | T   |   |    |    |    |    |    |    |     |     | .40 |     | T  | T  |    | .54 | .05 |     |     |     |    |    |    |    |     |     |     |
| WILLIAMSBURG        | 2.77  | T            |   | .47 | .31  | T   |     |   | .23 |   |    |    |    |    |    |    |     |     | .05 | .08 | T  | T  |    | .03 | .02 |     |     |     |    |    |    |    |     |     | .07 |
| WILLIAMSPORT WB AP  | 2.95  | T            |   | .94 | .03  | .01 |     |   |     |   |    |    |    |    |    |    |     |     | .43 |     |    | T  |    | .25 | .12 |     | .06 | .11 |    |    |    |    |     |     | .38 |
| WOLFSBURG           | 1.78  |              |   | .27 | .29  | .01 |     |   | T   |   |    |    |    |    |    |    |     |     | .32 | .35 | T  | T  |    | .20 | T   | .01 | T   | .04 |    |    |    |    |     |     | .43 |
| YORK 3 SSW PUMP STA | 1.79  |              |   | .84 | .08  | T   |     |   | T   |   |    |    |    |    |    |    |     |     | .36 |     | T  | T  |    | .08 | .01 |     | .02 | .04 | T  |    |    |    |     |     | .25 |
| YORK HAVEN          | 1.96  | T            |   | .35 | .55  |     |     |   | T   |   |    |    |    |    |    |    |     |     | .46 |     |    | T  |    | .03 |     |     | T   |     |    |    |    |    |     |     | .08 |
| ZION GROVE          | 2.17  | .10          |   | *   | .72  |     |     |   | .03 |   |    |    |    |    |    |    |     |     | .53 | .02 |    | T  |    | .05 |     |     | .02 |     |    |    |    |    |     |     | .18 |
| ZIONSVILLE 3 SE     | 2.36  | .09          |   | .25 | .53  |     |     |   | .08 |   |    |    |    |    |    |    |     |     | .20 |     |    |    |    | .05 |     |     |     |     |    |    |    |    |     |     | .14 |
|                     |       |              |   |     |      |     |     |   |     |   |    |    |    |    |    |    |     |     | .28 | .07 |    |    |    | .14 | .06 |     |     |     |    |    |    |    |     |     | .08 |

See Reference Notes Following Station Index



# DAILY TEMPERATURES

PENNSYLVANIA  
MARCH 1966

Continued

| Station                | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |    |      |
|------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|----|------|
|                        | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |    |      |
| EVERETT 1 SW           | MAX<br>16    | 28 | 30 | 30 | 22 | 24 | 26 | 26 | 28 | 32 | 32 | 32 | 36 | 34 | 38 | 32 | 44 | 38 | 42 | 44 | 36 | 34 | 36 | 46 | 46 | 43 | 56 | 68 | 68 | 70 | 66 | 39.1    |      |    |      |
| FARRELL 5HARON         | MAX<br>14    | 30 | 26 | 21 | 22 | 26 | 26 | 27 | 29 | 31 | 27 | 28 | 34 | 34 | 39 | 34 | 43 | 36 | 41 | 34 | 32 | 29 | 33 | 35 | 26 | 38 | 53 | 54 | 74 | 74 | 60 | 36.2    |      |    |      |
| FORD CITY 4 S OAM      | MAX<br>11    | 29 | 27 | 28 | 26 | 20 | 20 | 25 | 24 | 26 | 27 | 33 | 30 | 31 | 31 | 31 | 36 | 36 | 42 | 35 | 37 | 38 | 32 | 30 | 33 | 35 | 36 | 36 | 55 | 56 | 70 | 72      | 35.1 |    |      |
| FRANKLIN               | MAX<br>14    | 28 | 30 | 25 | 20 | 20 | 25 | 24 | 21 | 29 | 31 | 30 | 28 | 31 | 31 | 37 | 32 | 40 | 33 | 35 | 36 | 30 | 29 | 31 | 34 | 24 | 36 | 51 | 52 | 66 | 67 | 58      | 34.3 |    |      |
| FREELANO               | MAX<br>10    | 24 | 29 | 29 | 21 | 21 | 24 | 26 | 21 | 24 | 26 | 26 | 28 | 29 | 30 | 34 | 32 | 32 | 36 | 35 | 35 | 31 | 29 | 28 | 34 | 25 | 32 | 45 | 53 | 54 | 54 | 55      | 32.3 |    |      |
| GEORGE SCHOOL          | MAX<br>18    | 36 | 33 | 35 | 22 | 30 | 29 | 33 | 30 | 30 | 33 | 29 | 35 | 32 | 37 | 38 | 39 | 38 | 37 | 46 | 40 | 42 | 38 | 37 | 39 | 49 | 33 | 38 | 56 | 74 | 62 | 62      | 39.1 |    |      |
| GETTYSBURG             | MAX<br>18    | 35 | 32 | 33 | 23 | 24 | 25 | 31 | 27 | 29 | 31 | 34 | 32 | 35 | 35 | 38 | 39 | 36 | 40 | 45 | 42 | 42 | 37 | 38 | 40 | 46 | 34 | 44 | 62 | 73 | 70 | 67      | 39.3 |    |      |
| GRATERFORD             | MAX<br>15    | 30 | 29 | 31 | 22 | 24 | 22 | 29 | 25 | 28 | 30 | 30 | 28 | 32 | 32 | 36 | 37 | 35 | 37 | 40 | 38 | 40 | 33 | 35 | 34 | 39 | 30 | 39 | 54 | 68 | 64 | 63      | 35.9 |    |      |
| GRATZ 1 N              | MAX<br>13    | 30 | 34 | 25 | 21 | 21 | 29 | 26 | 28 | 31 | 34 | 32 | 27 | 34 | 33 | 39 | 38 | 41 | 34 | 39 | 36 | 30 | 30 | 33 | 36 | 28 | 37 | 52 | 51 | 71 | 72 | 68      | 36.8 |    |      |
| GREENVILLE             | MAX<br>18    | 35 | 34 | 33 | 23 | 26 | 28 | 33 | 28 | 33 | 31 | 37 | 32 | 35 | 36 | 39 | 39 | 37 | 39 | 45 | 44 | 43 | 40 | 39 | 40 | 48 | 35 | 47 | 61 | 75 | 72 | 68      | 40.5 |    |      |
| HANOVER                | MAX<br>20    | 32 | 33 | 28 | 24 | 25 | 31 | 25 | 29 | 31 | 33 | 32 | 35 | 35 | 37 | 39 | 37 | 38 | 43 | 41 | 42 | 37 | 39 | 37 | 45 | 32 | 43 | 59 | 72 | 67 | 65 | 61      | 39.6 |    |      |
| HARRISBURG WB AP       | MAX<br>8     | 30 | 28 | 31 | 18 | 25 | 29 | 31 | 29 | 27 | 34 | 34 | 28 | 34 | 33 | 36 | 39 | 37 | 34 | 46 | 39 | 41 | 34 | 34 | 32 | 40 | 25 | 32 | 53 | 61 | 62 | 67      | 35.7 |    |      |
| HAWLEY                 | MAX<br>9     | 32 | 32 | 30 | 27 | 26 | 30 | 25 | 29 | 30 | 32 | 30 | 33 | 34 | 36 | 37 | 38 | 39 | 42 | 42 | 41 | 37 | 39 | 37 | 47 | 39 | 37 | 47 | 34 | 44 | 56 | 71      | 65   | 62 | 39.4 |
| HOLTWOOD               | MAX<br>17    | 32 | 32 | 34 | 24 | 25 | 26 | 33 | 28 | 31 | 31 | 37 | 34 | 37 | 36 | 38 | 38 | 36 | 41 | 43 | 43 | 42 | 37 | 38 | 38 | 41 | 32 | 48 | 62 | 70 | 68 | 67      | 39.5 |    |      |
| HUNTINGOON             | MAX<br>9     | 27 | 31 | 29 | 24 | 20 | 25 | 23 | 25 | 30 | 35 | 29 | 32 | 30 | 30 | 36 | 34 | 42 | 36 | 35 | 36 | 30 | 30 | 33 | 35 | 25 | 32 | 53 | 49 | 67 | 70 | 63      | 35.4 |    |      |
| INDIANA 3 SE           | MAX<br>15    | 28 | 28 | 32 | 23 | 19 | 24 | 25 | 26 | 28 | 28 | 30 | 27 | 24 | 31 | 32 | 34 | 35 | 40 | 32 | 36 | 35 | 30 | 27 | 31 | 34 | 24 | 35 | 51 | 52 | 66 | 70      | 33.2 |    |      |
| JAMESTOWN 2 NW         | MAX<br>15    | 29 | 28 | 32 | 28 | 22 | 22 | 25 | 24 | 26 | 28 | 34 | 33 | 28 | 30 | 32 | 39 | 34 | 43 | 39 | 40 | 38 | 38 | 30 | 34 | 38 | 30 | 38 | 62 | 65 | 68 | 69      | 36.3 |    |      |
| JOHNSTOWN              | MAX<br>4     | 25 | 27 | 30 | 20 | 18 | 18 | 24 | 20 | 25 | 29 | 28 | 31 | 30 | 30 | 32 | 37 | 32 | 39 | 33 | 35 | 35 | 29 | 30 | 30 | 33 | 24 | 36 | 51 | 50 | 63 | 64      | 32.5 |    |      |
| KANE 1 NNE             | MAX<br>10    | 28 | 32 | 27 | 26 | 21 | 29 | 23 | 26 | 28 | 35 | 33 | 35 | 29 | 32 | 37 | 30 | 42 | 37 | 41 | 37 | 32 | 30 | 35 | 42 | 29 | 39 | 61 | 65 | 69 | 55 | 37.2    |      |    |      |
| KEGG                   | MAX<br>20    | 33 | 34 | 31 | 26 | 26 | 32 | 30 | 30 | 36 | 33 | 33 | 36 | 36 | 41 | 41 | 38 | 39 | 45 | 44 | 44 | 42 | 39 | 40 | 49 | 45 | 46 | 62 | 74 | 69 | 68 | 64      | 42.0 |    |      |
| LANCASTER 2NE PUMP STA | MAX<br>20    | 33 | 32 | 31 | 22 | 24 | 24 | 28 | 26 | 28 | 28 | 30 | 28 | 31 | 32 | 35 | 38 | 34 | 38 | 41 | 40 | 41 | 37 | 37 | 36 | 45 | 33 | 43 | 55 | 73 | 66 | 64      | 37.2 |    |      |
| LAWRENCEVILLE 2 S      | MAX<br>8     | 26 | 30 | 19 | 22 | 22 | 21 | 24 | 24 | 31 | 24 | 28 | 31 | 31 | 34 | 39 | 38 | 40 | 40 | 38 | 40 | 31 | 34 | 33 | 38 | 33 | 39 | 54 | 50 | 60 | 58 | 57      | 34.9 |    |      |
| LEBANON 3 W            | MAX<br>19    | 35 | 33 | 34 | 22 | 25 | 26 | 32 | 28 | 31 | 31 | 35 | 31 | 35 | 35 | 37 | 40 | 38 | 39 | 44 | 41 | 44 | 39 | 36 | 38 | 45 | 34 | 42 | 58 | 73 | 67 | 64      | 39.1 |    |      |
| LEWISTOWN              | MAX<br>18    | 33 | 33 | 34 | 24 | 24 | 26 | 33 | 30 | 33 | 33 | 35 | 35 | 37 | 36 | 38 | 41 | 37 | 40 | 42 | 42 | 43 | 38 | 37 | 38 | 42 | 33 | 42 | 59 | 67 | 68 | 66      | 39.4 |    |      |
| LOCK HAVEN             | MAX<br>13    | 33 | 31 | 32 | 22 | 31 | 26 | 33 | 27 | 30 | 31 | 34 | 35 | 31 | 38 | 39 | 37 | 39 | 41 | 40 | 42 | 36 | 36 | 35 | 39 | 31 | 40 | 55 | 62 | 65 | 64 | 37.6    |      |    |      |
| MADERA                 | MAX<br>6     | 26 | 26 | 26 | 21 | 18 | 19 | 23 | 20 | 24 | 24 | 32 | 27 | 32 | 28 | 30 | 33 | 30 | 38 | 35 | 35 | 35 | 27 | 30 | 30 | 34 | 23 | 36 | 52 | 52 | 61 | 62      | 31.9 |    |      |
| MARCUS HOOK            | MAX<br>23    | 35 | 34 | 30 | 28 | 26 | 33 | 30 | 31 | 32 | 35 | 31 | 37 | 37 | 40 | 41 | 40 | 40 | 48 | 45 | 37 | 42 | 42 | 41 | 54 | 36 | 41 | 53 | 80 | 68 | 61 | 64      | 41.7 |    |      |
| MARTINSBURG FAA AP     | MAX<br>13    | 23 | 28 | 22 | 16 | 18 | 23 | 24 | 23 | 27 | 32 | 30 | 32 | 27 | 29 | 36 | 30 | 42 | 37 | 35 | 33 | 27 | 28 | 31 | 34 | 23 | 38 | 52 | 57 | 63 | 64 | 57      | 33.6 |    |      |
| MAOVILLE 1 S           | MAX<br>10    | 28 | 29 | 30 | 22 | 20 | 21 | 25 | 22 | 27 | 29 | 28 | 26 | 25 | 33 | 32 | 32 | 33 | 38 | 33 | 36 | 34 | 31 | 28 | 29 | 32 | 25 | 36 | 48 | 46 | 68 | 68      | 32.7 |    |      |
| MERCER 2 NNE           | MAX<br>7     | 28 | 30 | 27 | 26 | 20 | 25 | 23 | 26 | 26 | 30 | 28 | 26 | 30 | 31 | 34 | 31 | 39 | 35 | 35 | 36 | 29 | 29 | 30 | 33 | 23 | 35 | 50 | 49 | 70 | 69 | 68      | 34.5 |    |      |
| MERCERSBURG            | MAX<br>17    | 33 | 31 | 32 | 28 | 23 | 24 | 32 | 30 | 30 | 31 | 39 | 36 | 39 | 34 | 37 | 41 | 35 | 43 | 45 | 43 | 42 | 37 | 38 | 40 | 47 | 34 | 46 | 63 | 74 | 68 | 67      | 40.1 |    |      |
| MOLANO DAM 7           | MAX<br>10    | 24 | 31 | 30 | 24 | 23 | 23 | 28 | 27 | 30 | 30 | 30 | 26 | 29 | 33 | 33 | 34 | 44 | 35 | 39 | 37 | 30 | 32 | 37 | 40 | 23 | 39 | 56 | 61 | 74 | 74 | 56      | 36.5 |    |      |
| MILLVILLE 2 SW         | MAX<br>12    | 31 | 29 | 29 | 18 | 25 | 24 | 30 | 26 | 27 | 30 | 31 | 32 | 33 | 35 | 37 | 36 | 38 | 35 | 40 | 33 | 35 | 32 | 36 | 28 | 36 | 48 | 58 | 61 | 61 | 61 | 34.6    |      |    |      |
| MONTROSE               | MAX<br>9     | 27 | 23 | 26 | 15 | 20 | 20 | 25 | 23 | 22 | 27 | 25 | 22 | 27 | 29 | 31 | 33 | 35 | 35 | 40 | 37 | 37 | 30 | 33 | 28 | 35 | 19 | 36 | 47 | 51 | 55 | 54      | 31.2 |    |      |
| MORGANTOWN             | MAX<br>19    | 32 | 38 | 30 | 28 | 26 | 29 | 29 | 30 | 28 | 32 | 29 | 32 | 33 | 37 | 37 | 37 | 44 | 39 | 42 | 33 | 37 | 36 | 45 | 34 | 42 | 56 | 71 | 66 | 64 | 65 | 39.3    |      |    |      |
| MOUNT GRENA 2 SE       | MAX<br>22    | 33 | 27 | 27 | 21 | 32 | 26 | 30 | 29 | 34 | 32 | 34 | 28 | 37 | 36 | 40 | 38 | 43 | 41 | 42 | 37 | 39 | 37 | 41 | 32 | 42 | 58 | 73 | 67 | 62 | 62 | 39.1    |      |    |      |
| MOUNT POCONO 2 N       | MAX<br>9     | 20 | 22 | 22 | 18 | 19 | 20 | 18 | 18 | 26 | 23 | 19 | 23 | 25 | 27 | 30 | 33 | 31 | 41 | 35 | 33 | 27 | 28 | 28 | 35 | 31 | 32 | 45 | 56 | 53 | 54 | 56      | 30.6 |    |      |

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## DAILY TEMPERATURES

 PENNSYLVANIA  
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| Station                 | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                         | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| MUHLENBURG 1 SE         | MAX MIN      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| NEW CASTLE 1 N          | 29           | 30 | 30 | 24 | 23 | 28 | 26 | 29 | 29 | 34 | 29 | 28 | 33 | 33 | 36 | 37 | 41 | 38 | 37 | 38 | 31 | 31 | 34 | 36 | 28 | 38 | 55 | 54 | 74 | 74 | 70 |         |
| NEWELL                  | 28           | 28 | 31 | 28 | 21 | 24 | 26 | 24 | 28 | 33 | 35 | 32 | 33 | 32 | 30 | 36 | 41 | 43 | 37 | 39 | 37 | 32 | 33 | 35 | 38 | 35 | 44 | 62 | 76 | 78 | 74 |         |
| NEWPORT                 | 36           | 33 | 35 | 25 | 26 | 26 | 34 | 29 | 32 | 31 | 35 | 37 | 39 | 38 | 40 | 42 | 38 | 41 | 44 | 44 | 45 | 38 | 39 | 39 | 43 | 34 | 45 | 60 | 71 | 69 | 65 |         |
| NEW STANTON             | 33           | 31 | 28 | 22 | 23 | 27 | 25 | 27 | 30 | 34 | 28 | 31 | 32 | 33 | 30 | 34 | 45 | 37 | 40 | 37 | 32 | 31 | 36 | 36 | 30 | 40 | 61 | 63 | 73 | 75 | 54 |         |
| NORRISTOWN              | 34           | 35 | 29 | 30 | 29 | 34 | 30 | 32 | 32 | 36 | 32 | 36 | 36 | 38 | 40 | 40 | 40 | 48 | 42 | 42 | 40 | 40 | 39 | 52 | 34 | 45 | 57 | 76 | 66 | 70 | 70 |         |
| PALMERTON               | 29           | 31 | 23 | 28 | 28 | 31 | 27 | 28 | 33 | 31 | 30 | 32 | 33 | 37 | 37 | 37 | 36 | 43 | 38 | 42 | 35 | 36 | 34 | 42 | 28 | 38 | 53 | 64 | 63 | 61 | 65 |         |
| PHIL DREXEL INST OF TEC | 35           | 36 | 28 | 29 | 26 | 33 | 29 | 30 | 31 | 35 | 32 | 36 | 36 | 40 | 42 | 40 | 38 | 48 | 42 | 37 | 40 | 41 | 54 | 36 | 39 | 54 | 82 | 69 | 63 | 68 |    |         |
| PHILADELPHIA WB AP      | 34           | 34 | 29 | 27 | 27 | 31 | 27 | 28 | 30 | 33 | 30 | 33 | 34 | 37 | 39 | 41 | 40 | 47 | 43 | 35 | 39 | 40 | 39 | 52 | 36 | 42 | 56 | 80 | 70 | 65 | 70 |         |
| PHILADELPHIA PT BREEZE  | 35           | 35 | 30 | 30 | 29 | 32 | 28 | 31 | 34 | 35 | 32 | 36 | 36 | 39 | 41 | 41 | 40 | 50 | 43 | 38 | 39 | 40 | 40 | 52 | 34 | 41 | 56 | 80 | 71 | 67 | 70 |         |
| PHILIPSBUrg FAA AP      | 24           | 29 | 20 | 15 | 16 | 21 | 19 | 22 | 21 | 29 | 26 | 30 | 26 | 28 | 33 | 26 | 32 | 33 | 31 | 32 | 25 | 25 | 27 | 31 | 21 | 32 | 52 | 43 | 47 | 54 | 50 |         |
| PHOENIXVILLE 1 E        | 34           | 35 | 33 | 29 | 28 | 32 | 31 | 30 | 32 | 35 | 34 | 35 | 35 | 37 | 39 | 40 | 39 | 46 | 43 | 43 | 42 | 39 | 38 | 49 | 45 | 44 | 54 | 74 | 64 | 65 | 69 |         |
| PITTSBURGH WB AP 2      | 28           | 28 | 26 | 20 | 20 | 24 | 22 | 25 | 28 | 31 | 26 | 28 | 30 | 29 | 32 | 31 | 39 | 31 | 33 | 34 | 29 | 30 | 32 | 32 | 25 | 34 | 56 | 60 | 73 | 74 | 52 |         |
| PITTSBURGH WB CITY      | 30           | 30 | 29 | 23 | 23 | 27 | 25 | 28 | 30 | 35 | 30 | 33 | 32 | 33 | 36 | 34 | 44 | 36 | 40 | 39 | 32 | 32 | 36 | 38 | 14 | 19 | 26 | 43 | 59 | 64 | 65 | 69      |
| PLEASANT MOUNT 1 W      | 24           | 21 | 22 | 16 | 20 | 22 | 23 | 21 | 20 | 26 | 24 | 20 | 26 | 26 | 29 | 31 | 35 | 32 | 38 | 36 | 36 | 29 | 31 | 26 | 34 | 20 | 30 | 48 | 53 | 51 | 50 |         |
| PORT CLINTON            | 35           | 33 | 34 | 21 | 29 | 27 | 32 | 27 | 30 | 34 | 33 | 33 | 34 | 34 | 37 | 39 | 38 | 37 | 45 | 40 | 42 | 38 | 37 | 36 | 42 | 32 | 41 | 57 | 70 | 65 | 63 |         |
| PUTNEYVILLE 2 SE DAM    | 28           | 27 | 25 | 20 | 20 | 20 | 25 | 22 | 26 | 27 | 33 | 29 | 30 | 30 | 30 | 35 | 32 | 40 | 35 | 35 | 36 | 30 | 31 | 32 | 34 | 25 | 36 | 51 | 53 | 61 | 69 |         |
| QUAKERTOWN 1 E          | 32           | 32 | 31 | 27 | 27 | 30 | 30 | 29 | 31 | 33 | 32 | 33 | 35 | 32 | 35 | 34 | 37 | 45 | 42 | 41 | 41 | 36 | 36 | 46 | 42 | 39 | 56 | 69 | 64 | 62 | 67 |         |
| READING WB CITY         | 33           | 35 | 28 | 28 | 26 | 32 | 25 | 30 | 31 | 36 | 31 | 36 | 36 | 39 | 41 | 39 | 39 | 45 | 41 | 44 | 38 | 38 | 46 | 33 | 42 | 52 | 72 | 67 | 66 | 67 |    |         |
| RIDGWAY 3 W             | 27           | 30 | 26 | 21 | 20 | 25 | 22 | 25 | 30 | 33 | 31 | 32 | 31 | 31 | 37 | 36 | 39 | 37 | 35 | 37 | 30 | 31 | 30 | 36 | 30 | 36 | 51 | 53 | 65 | 65 | 62 |         |
| SALINA 3 W              | 26           | 28 | 27 | 26 | 20 | 24 | 23 | 24 | 27 | 32 | 30 | 29 | 29 | 32 | 32 | 41 | 41 | 37 | 36 | 36 | 29 | 29 | 33 | 35 | 27 | 35 | 56 | 58 | 69 | 70 | 65 |         |
| SCRANTON                | 28           | 26 | 29 | 18 | 24 | 25 | 26 | 21 | 24 | 30 | 28 | 26 | 29 | 30 | 34 | 36 | 39 | 39 | 45 | 39 | 40 | 32 | 34 | 32 | 41 | 23 | 38 | 52 | 61 | 62 | 62 |         |
| SCRANTON WB AIRPORT     | 25           | 26 | 19 | 21 | 22 | 24 | 23 | 23 | 25 | 25 | 23 | 26 | 27 | 30 | 32 | 35 | 36 | 38 | 35 | 35 | 29 | 31 | 31 | 36 | 25 | 34 | 48 | 59 | 59 | 60 | 59 |         |
| SHIPPENSBURG            | 31           | 29 | 29 | 23 | 24 | 30 | 29 | 30 | 29 | 37 | 35 | 38 | 35 | 37 | 39 | 35 | 42 | 43 | 43 | 41 | 40 | 35 | 38 | 44 | 40 | 44 | 58 | 71 | 70 | 68 | 65 |         |
| SLIPPERY ROCK           | 30           | 31 | 24 | 21 | 21 | 28 | 23 | 30 | 26 | 33 | 29 | 29 | 31 | 31 | 35 | 31 | 38 | 32 | 36 | 35 | 30 | 28 | 31 | 33 | 25 | 34 | 52 | 51 | 72 | 70 | 56 |         |
| STATE COLLEGE           | 29           | 27 | 29 | 20 | 21 | 22 | 20 | 24 | 29 | 30 | 32 | 29 | 30 | 29 | 32 | 37 | 32 | 39 | 33 | 35 | 37 | 30 | 29 | 30 | 32 | 22 | 36 | 50 | 50 | 64 | 68 |         |
| STROUDSBURG             | 28           | 30 | 22 | 26 | 27 | 32 | 30 | 24 | 29 | 30 | 28 | 29 | 31 | 35 | 40 | 36 | 35 | 45 | 44 | 34 | 33 | 32 | 36 | 46 | 26 | 34 | 50 | 64 | 63 | 60 | 69 |         |
| SUNBURY                 | 38           | 34 | 35 | 23 | 33 | 36 | 36 | 32 | 32 | 31 | 34 | 33 | 36 | 37 | 40 | 43 | 39 | 41 | 44 | 40 | 44 | 27 | 20 | 20 | 38 | 35 | 37 | 44 | 34 | 41 | 58 |         |
| TAMARACK 2 S FIRE TWR   | 25           | 23 | 29 | 15 | 19 | 15 | 29 | 28 | 25 | 25 | 30 | 30 | 32 | 34 | 33 | 35 | 28 | 32 | 35 | 35 | 37 | 28 | 29 | 31 | 32 | 25 | 33 | 52 | 65 | 55 | 55 |         |
| TIONESTA 2 SE OAM       | 28           | 27 | 32 | 21 | 22 | 22 | 20 | 24 | 29 | 30 | 32 | 29 | 30 | 29 | 32 | 37 | 32 | 39 | 33 | 35 | 37 | 30 | 29 | 30 | 32 | 22 | 36 | 50 | 50 | 64 | 68 |         |
| TITUSVILLE WATER WORKS  | 28           | 31 | 23 | 18 | 19 | 24 | 23 | 26 | 29 | 30 | 30 | 28 | 29 | 30 | 37 | 31 | 40 | 35 | 36 | 36 | 29 | 20 | 29 | 33 | 23 | 35 | 52 | 52 | 66 | 67 | 54 |         |
| TOWANDA                 | 28           | 31 | 21 | 27 | 25 | 30 | 27 | 27 | 30 | 28 | 29 | 31 | 33 | 35 | 37 | 38 | 39 | 41 | 40 | 35 | 32 | 35 | 33 | 39 | 35 | 39 | 53 | 59 | 64 | 61 | 59 |         |
| UNIONTOWN               | 29           | 31 | 28 | 25 | 23 | 30 | 25 | 29 | 30 | 33 | 30 | 35 | 33 | 33 | 36 | 32 | 43 | 38 | 41 | 40 | 35 | 33 | 36 | 39 | 32 | 41 | 62 | 67 | 75 | 76 | 55 |         |
| WARREN                  | 28           | 31 | 23 | 21 | 20 | 26 | 22 | 27 | 31 | 29 | 26 | 28 | 32 | 30 | 34 | 32 | 41 | 35 | 36 | 35 | 31 | 31 | 32 | 36 | 27 | 37 | 52 | 67 | 69 | 61 | 34 |         |
| WAYNESBURG 2 W          | 27           | 31 | 29 | 24 | 20 | 27 | 28 | 27 | 30 | 35 | 33 | 32 | 32 | 36 | 35 | 35 | 42 | 38 | 39 | 37 | 33 | 32 | 36 | 38 | 29 | 41 | 60 | 68 | 77 | 76 | 71 |         |
| WELLSBORO 3 S           | 26           | 25 | 25 | 15 | 20 | 21 | 25 | 20 | 22 | 23 | 21 | 25 | 26 | 31 | 25 | 26 | 31 | 22 | 20 | 12 | 21 | 37 | 34 | 37 | 28 | 34 | 32 | 30 | 22 | 33 | 51 |         |
| WEST CHESTER            | 39           | 35 | 35 | 23 | 30 | 28 | 35 | 30 | 34 | 33 | 37 | 32 | 37 | 14 | 40 | 43 | 40 | 48 | 51 | 41 | 43 | 41 | 40 | 47 | 52 | 36 | 45 | 57 | 80 | 68 | 62 |         |
| WILLIAMSPORT WB AP      | 32           | 33 | 24 | 26 | 27 | 31 | 27 | 29 | 31 | 32 | 30 | 32 | 34 | 37 | 39 | 36 | 39 | 42 | 39 | 41 | 35 | 35 | 35 | 39 | 30 | 38 | 55 | 64 | 63 | 61 | 59 |         |

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### DAILY TEMPERATURES

PENNSYLVANIA  
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| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         | 31   |
| YORK 3 SSW PUMP STA | MAX | 34           | 35 | 30 | 26 | 27 | 34 | 34 | 31 | 32 | 37 | 34 | 37 | 36 | 39 | 40 | 39 | 40 | 44 | 42 | 44 | 41 | 39 | 39 | 48 | 45 | 46 | 60 | 74 | 71 | 66 | 62      | 42.1 |
|                     | MIN | 20           | 17 | 20 | 17 | 18 | 6  | -2 | -2 | -1 | 22 | -1 | 2  | 13 | 10 | 12 | 14 | 31 | 31 | 26 | 25 | 28 | 25 | 19 | 26 | 22 | 23 | 22 | 36 | 38 | 48 | 56      | 20.0 |

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# DAILY SOIL TEMPERATURES

PENNSYLVANIA  
MARCH 1960

| Station<br>And<br>Depth | Time     | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |      |      |      |
|-------------------------|----------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|------|------|------|
|                         |          | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         | 31   |      |      |      |
| ERIE CO FIELD RSCH LAB  | 8 INCHES | MAX          | 35 | 35 | 35 | 34 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 36 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 34 | 33 | 33 | 33      | 53   | 50   | 49   | 36.1 |
|                         | MIN      | 34           | 34 | 34 | 34 | 34 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 46      | 43   | 43   | 34.5 |      |
| LANDISVILLE 2 NW        | 2 INCHES | 8 AM         | 30 | 30 | 30 | 28 | 27 | 27 | 26 | 25 | 24 | 27 | 26 | 24 | 26 | 27 | 27 | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 35 | 41 | 46      | 50   | 30.2 |      |      |
| STATE COLLEGE 2         | 2 INCHES | MAX          | 29 | 30 | 30 | 31 | 28 | 29 | 29 | 29 | 28 | 29 | 29 | 30 | 29 | 29 | 31 | 29 | 30 | 31 | 30 | 31 | 30 | 29 | 30 | 30 | 30 | 31 | 37 | 39 | 49 | 48      | 50   | 32.1 |      |      |
|                         | MIN      | 28           | 27 | 29 | 29 | 27 | 27 | 25 | 27 | 25 | 27 | 24 | 23 | 19 | 20 | 21 | 24 | 29 | 27 | 28 | 27 | 27 | 27 | 26 | 28 | 21 | 24 | 29 | 30 | 31 | 38 | 43      | 43   | 27.0 |      |      |
| 4 INCHES                | MAX      | 30           | 30 | 30 | 31 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 29 | 30 | 30 | 31 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 32 | 37 | 43 | 45      | 30.8 |      |      |      |
|                         | MIN      | 30           | 29 | 29 | 30 | 28 | 28 | 26 | 28 | 26 | 28 | 24 | 24 | 21 | 22 | 23 | 26 | 29 | 28 | 29 | 28 | 28 | 28 | 27 | 29 | 23 | 26 | 30 | 30 | 31 | 35 | 41      | 27.9 |      |      |      |
| 8 INCHES                | MAX      | 31           | 31 | 31 | 32 | 31 | 30 | 30 | 30 | 29 | 29 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 29 | 30 | 30 | 30 | 36 | 41      | 30.5 |      |      |      |
|                         | MIN      | 31           | 31 | 31 | 31 | 30 | 30 | 28 | 29 | 28 | 29 | 28 | 27 | 26 | 25 | 26 | 28 | 29 | 29 | 30 | 29 | 29 | 29 | 28 | 29 | 27 | 27 | 29 | 30 | 30 | 31 | 37      | 31   | 29.1 |      |      |
| 16 INCHES               | MAX      | 34           | 34 | 33 | 34 | 34 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 31 | 32 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 31 | 31      | 31   | 32   | 36   | 32.3 |
|                         | MIN      | 33           | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31      | 31   | 31   | 31   | 31.2 |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Intrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hageretown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                       | Wind speed<br>m. p. h. |                 |                                 |                         | Relative humidity averages -<br>percent |               |               |               | Number of days with precipitation |         |         |         |           |                  | Percent of<br>possible<br>sunshine | Average<br>sky cover<br>sunrise to sunset |       |
|-------------------------|----------------|---------------------------------------|------------------------|-----------------|---------------------------------|-------------------------|---|---------------|---------------|---------------|-----------------------------------|---------|---------|---------|-----------|------------------|------------------------------------|---|-------|
|                         | Prevailing     | Percent of<br>time from<br>prevailing | Average                | Fastest<br>mile | Direction<br>of<br>fastest mile | Date of<br>fastest mile | 1:00 a<br>EST                           | 7:00 a<br>EST | 1:00 p<br>EST | 7:00 p<br>EST | Trace                             | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00<br>and over |                                    |   | Total |
| ALLENTOWN WB AIRPORT    | WNW            | 21                                    | 14.5                   | 40++            | W                               | 24+                     | 71                                      | 75            | 57            | 62            | 6                                 | 4       | 5       | 0       | 1         | 0                | 16                                 | -   | 6.0   |
| ERIE WB AIRPORT         | SW             | 15                                    | 13.7                   | 55++            | SE                              | 16                      | 76                                      | 81            | 72            | 75            | 11                                | 11      | 2       | 0       | 0         | 0                | 24                                 | -   | 7.0   |
| HARRISBURG WB AIRPORT   | WNW            | 28                                    | 10.0                   | 36              | W                               | 24                      | 59                                      | 65            | 45            | 50            | 3                                 | 9       | 4       | 0       | 1         | 0                | 17                                 | 57  | 6.4   |
| PHILADELPHIA WB AIRPORT | NW             | 17                                    | 11.3                   | 39              | NW                              | 4                       | 67                                      | 72            | 55            | 59            | 4                                 | 5       | 6       | 1       | 0         | 0                | 16                                 | 62  | 6.1   |
| PITTSBURGH WB AIRPORT 2 | WNW            | 17                                    | 10.4                   | 31++            | W                               | 22                      | 71                                      | 75            | 56            | 60            | 7                                 | 14      | 4       | 0       | 1         | 0                | 26                                 | 72  | 7.7   |
| READING WB CITY         | -              | -                                     | 13.5                   | 40              | E                               | 17                      | -                                       | -             | -             | -             | 7                                 | 1       | 5       | 1       | 0         | 0                | 14                                 | 63  | 6.1   |
| SCRANTON WB AIRPORT     | NW             | 16                                    | 9.1                    | 28              | NW                              | 25                      | 70                                      | 74            | 60            | 63            | 8                                 | 9       | 3       | 1       | 0         | 0                | 21                                 | 63  | 6.8   |
| WILLIAMSPORT WB AIRPORT | W              | 21                                    | 10.7                   | 30              | SSE                             | 30                      | 68                                      | 75            | 52            | 57            | 8                                 | 4       | 4       | 2       | 0         | 0                | 18                                 | -   | 6.5   |

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
MARCH 1960

| Station                 | Day of month                       |    |      |      |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
|-------------------------|------------------------------------|----|------|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
|                         | 1                                  | 2  | 3    | 4    | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |   |   |
|                         | SNOWFALL<br>SN ON GND<br>WTR EQUIV |    |      |      |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| ALLETOWN WB AIRPORT     | T                                  | T  | 13.8 | .4   | .2  | .3  |     | T   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| AUSTINBURG 2 W          | T                                  | 10 | T    | 4.0  | T   | T   | T   | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T |   |
| BRADFORD FAA AIRPORT    | T                                  | T  | 5.0  | T    | T   | T   | T   | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T |   |
| BRADFORD 4 W RES        | 1.3                                | .8 | 6.5  | 2.5  | .8  | .8  | T   | 1.3 |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| BROOKVILLE FAA AIRPORT  | T                                  | 7  | 5.0  | .7   | .7  | .1  | 1.0 | .1  | .1  | .4  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| CANTON 1 NW             | T                                  | 11 | T    | 7.0  | T   | T   | T   | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  |   |   |
| CARLISLE                | T                                  | 11 | T    | 7.0  | T   | T   | T   | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  |   |   |
| CARROLLTOWN 2 SSE       | 1.0                                | 15 | 5.0  | 6.0  | 2.0 | 2.0 | T   | 1.0 | T   | 2.0 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| CORRY                   | 1.5                                | 18 | 6.5  | 3.0  | 3.0 | .5  | 1.0 | .5  | T   | .5  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| DONEGAL                 | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |   |
| DU BOIS 7 E             | .5                                 | 7  | 6.0  | 2.0  | .5  | .5  | 1.0 | T   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| ENGLISH CENTER          | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |   |
| ERIE WB AIRPORT         | T                                  | 7  | 4.2  | .9   | .5  | T   | T   | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T  | T |   |
| EVERETT 1 SW            | -                                  | -  | 2.0  | 8.0  | -   | -   | -   | -   | -   | 1.0 | 2.0 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| FORD CITY 4 S DAM       | 1.0                                | 2  | 5.0  | 4.0  | 3.0 | T   | 1.0 | T   | 1.0 |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| GALETON                 | -                                  | 7  | 6.0  | 1.2  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| GEORGE SCHOOL           | .5                                 | 1  | 2.0  | 6.0  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| GRATERFORD              | -                                  | -  | 2.0  | 11.0 |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| GREENSBORO LOCK 7       | 1                                  | 1  | 1.0  | 2.0  | T   | .2  | .3  | T   | 3.0 | T   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| HANOVER                 | -                                  | -  | 5.0  | 7.5  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| HARRISBURG WB AIRPORT   | T                                  | T  | 10.5 | .2   | .1  |     | .6  | .4  | T   | 1.8 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| HOLTWOOD                | T                                  | T  | 5.0  | 10.0 | T   | 10  | 9   | 8   | T   | 6   | 7   | 6  | 5  | 4  | 2  | 1  | T  | 2  | 2  | 1  | T  | 2  | 1  | T  | 1  | T  | 1  | T  | 1  | T  | 1  | T |   |
| HOOVERSVILLE            | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | - |
| INDIANA 3 SE            | 1.0                                | 4  | 3.0  | 5.0  | 1.5 | .5  | T   | .5  | T   | .1  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| KANE 1 NNE              | 2.2                                | 15 | 4.7  | 4.5  | 1.2 | .5  | T   | 1.0 |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| LANCASTER 2 NE PUMP STA | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |   |
| LAWRENCEVILLE 2 S       | .8                                 | 8  | 5.0  | 2.0  | .4  |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| LEWISTOWN               | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |   |
| MARTINSBURG FAA AIRPORT | T                                  | T  | 6.0  | .5   | T   | T   | T   | 1.0 | .8  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| MATAMORAS               | -                                  | -  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |   |
| MEADVILLE 1 S           | 2.5                                | 7  | 4.5  | 7.4  | 4.1 | 2.2 |     | 1.0 | T   |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| MEDIK RUN               | 1.5                                | 5  | T    | 3.0  | 4.8 | .3  | T   | .2  | T   | .1  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| MONROSE                 | T                                  | 10 | 10   | 9.0  | 4.5 | .4  | T   | .2  | .1  |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| NEWPORT                 | T                                  | T  | 2.0  | 8.0  |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| PHILADELPHIA WB AIRPORT | T                                  | T  | 7.9  | .3   | .2  |     | .2  |     | 1.0 |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| PHILIPSBURG FAA AIRPORT | .1                                 | 31 | 5.0  | 1.5  | .9  | .1  | .3  |     | .3  | 1.4 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
| PITTSBURGH WB AIRPORT 2 | .1                                 | 1  | 12.5 | .1   | .3  | T   | .3  | T   | .6  | .8  |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |

See reference notes following Station Index.

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
MARCH 1960

CONTINUED

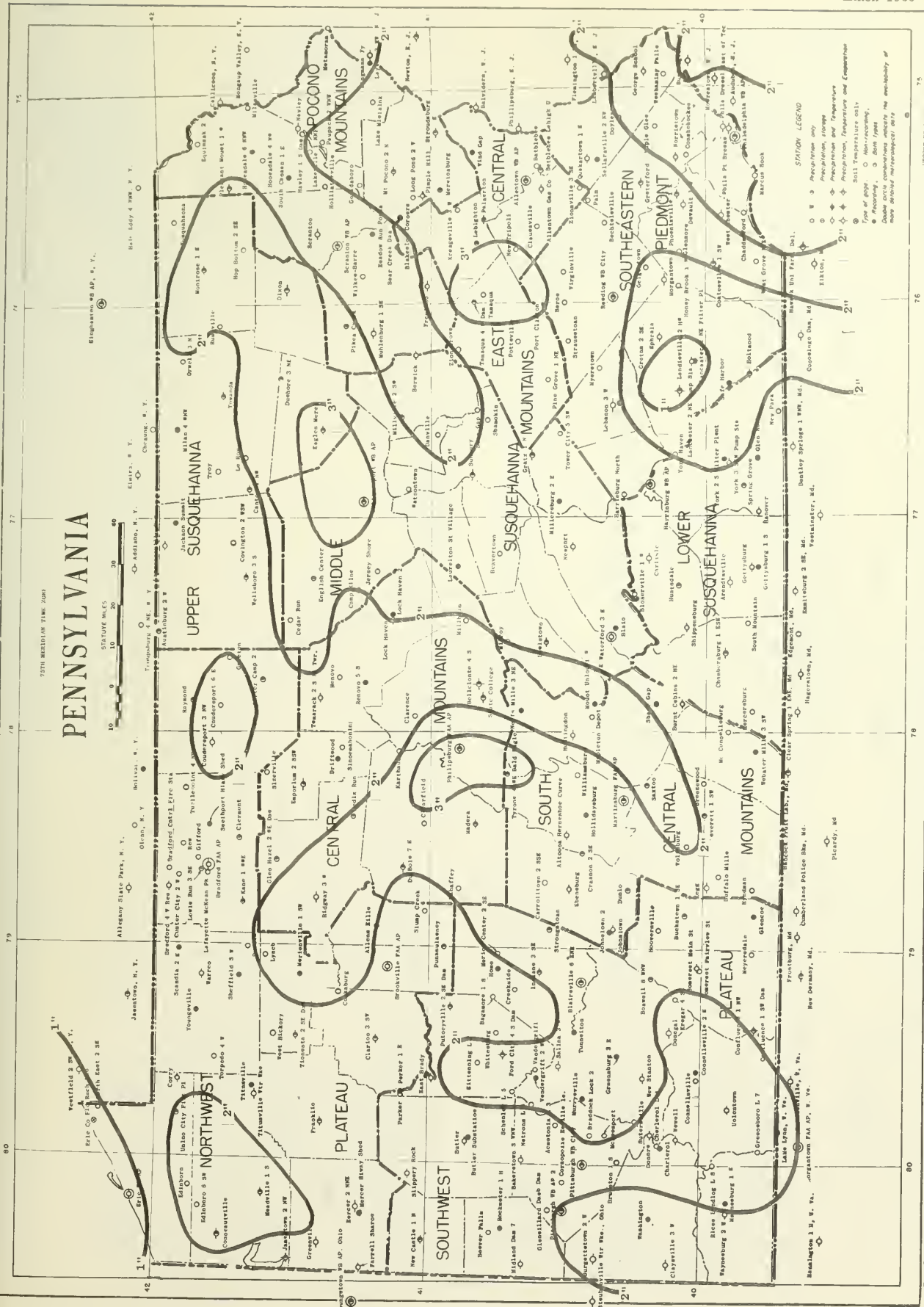
| Station                 | Day of month |     |    |      |      |     |     |    |     |    |     |    |    |    |    |     |     |     |    |    |    |     |     |     |     |    |    |    |    |    |    |
|-------------------------|--------------|-----|----|------|------|-----|-----|----|-----|----|-----|----|----|----|----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|
|                         | 1            | 2   | 3  | 4    | 5    | 6   | 7   | 8  | 9   | 10 | 11  | 12 | 13 | 14 | 15 | 16  | 17  | 18  | 19 | 20 | 21 | 22  | 23  | 24  | 25  | 26 | 27 | 28 | 29 | 30 | 31 |
| PLEASANT MOUNT 1 W      | SNOWFALL     | T   | T  | T    | 8.0  | 4.0 | 1.0 |    | .5  | T  |     |    |    | T  |    |     | 3.0 | .5  | T  | .5 | T  | 2.0 | 1.0 | T   | 1.0 |    |    |    |    |    |    |
|                         | SN ON GND    | 14  | 14 | 14   | 20   | 23  | 24  | 24 | 24  | 23 | 22  | 21 | 21 | 21 | 20 | 18  | 18  | 21  | 21 | 21 | 21 | 20  | 22  | 23  | 22  | 24 | 24 | 23 | 22 | 19 | 14 |
| READING WB CITY         | SNOWFALL     |     |    | 11.5 | T    | T   |     | T  |     | .7 |     |    |    |    |    | 1.6 | .9  |     | T  | T  |    | 1.7 | T   |     | T   |    |    |    |    |    |    |
|                         | SN ON GND    |     |    | 1    | 11   | 8   | 8   | 6  | 6   | 6  | 6   | 5  | 5  | 4  | 3  | 2   | 1   | 2   |    | T  | T  |     | 1   | T   |     | T  |    |    |    |    |    |
| SCRANTON WB AIRPORT     | SNOWFALL     | T   |    | 13.2 | 3.7  | 1.1 | T   | .7 | T   |    |     | T  | T  |    |    | .2  | 1.6 |     | .2 |    | T  | .8  | T   | .6  | T   | .2 |    |    |    |    |    |
|                         | SN ON GND    | 1   | 1  | 1    | 13   | 14  | 12  | 9  | 10  | 9  | 7   | 6  | 6  | 5  | 5  | 5   | 4   | 5   | 4  | 3  | 2  | 1   | 2   | 1   | 1   | 1  | 1  | 1  | 1  | 1  | 1  |
|                         | WTR EQUIV    |     |    | .8   | .9   | .9  | .9  | .9 | .9  | .8 | .8  | .8 | .7 | .7 | .7 | .6  | .6  | .6  | .5 | .4 | .3 |     | .2  |     |     |    |    |    |    |    |    |
| SHIPPENSBURG            | SNOWFALL     |     | 2  | 2    | 10.0 | 1.5 |     |    |     |    | 4.0 |    |    |    |    | 1.5 | 3.5 |     |    | T  |    | 2.0 |     | T   |     | T  |    | T  |    | T  |    |
|                         | SN ON GND    |     | 2  | 11   | 11   | 10  | 9   | 9  | 6   | 4  | 6   | 5  | 4  | 4  | 3  | 3   | 4   | 6   | 3  | 2  | 1  | T   | T   | T   | T   | T  | T  | T  | T  | T  | T  |
| SLIPPERY ROCK           | SNOWFALL     | T   |    | 4.0  | 8.0  | 1.0 | T   |    | 1.0 |    | .5  |    |    |    |    | T   |     | 1.0 |    | T  |    | 7.0 | 1.0 | 1.0 | 1.0 | T  | T  |    | 5  | 2  |    |
|                         | SN ON GND    | 6   | 6  | 8    | 14   | 15  | 15  | 13 | 14  | 12 | 12  | 12 | 10 | 8  | 6  | 6   | 4   | 5   | 4  | 4  | 3  | 3   | 10  | 10  | 10  | 11 | 11 | 8  |    |    |    |
| TAMARACK 2 S FIRE TWR   | SNOWFALL     | .6  | T  | 4.0  | 4.5  | .8  | T   |    | T   |    |     |    |    |    |    | 4.0 | T   |     |    | T  |    | 1.5 | 2.0 | T   | T   | T  | T  |    |    |    |    |
|                         | SN ON GND    | 11  | 11 | 13   | 18   | 18  | 18  | 17 | 17  | 16 | 16  | 15 | 14 | 13 | 13 | 13  | 13  | 15  | 15 | 14 | 14 | 15  | 14  | 16  | 16  | 16 | 16 | 16 | 15 | 13 | 8  |
| TIONESTA 2 SE DAM       | SNOWFALL     | 1.0 |    | 5.0  | 5.0  | 1.0 | T   | T  | 1.0 |    | T   |    |    |    |    | T   | T   | 4.0 | T  | T  | T  | 5.0 | 2.0 | .5  | 1.0 | .5 | T  | T  |    |    |    |
|                         | SN ON GND    | 10  | 8  | 12   | 17   | 18  | 18  | 18 | 18  | 15 | 13  | 11 | 9  | 8  | 7  | 7   | 6   | 10  | 9  | 9  | 9  | 8   | 11  | 13  | 12  | 11 | 10 | 9  | 6  | 5  | 2  |
| TOWANDA                 | SNOWFALL     | T   | T  | .2   | 7.8  | .6  |     | T  |     |    |     |    |    |    |    | 3.5 | .5  | .5  | T  |    |    | .5  | .5  | T   |     | T  | T  | T  | T  | T  |    |
|                         | SN ON GND    | 6   | 6  | 5    | 13   | 13  | 13  | 12 | 12  | 12 | 9   | 9  | 9  | 8  | 6  | 5   | 8   | 6   | 6  | 4  | 3  | 3   | 3   | 3   | 2   | T  | T  | T  | T  | T  | T  |
| TOWER CITY 5 SW         | SNOWFALL     | -   | -  | 12.0 |      | 1.0 |     |    |     |    | 2.0 |    |    |    |    |     |     |     |    |    |    | 4.0 | 4.0 |     |     |    |    |    |    |    |    |
|                         | SN ON GND    |     |    |      |      |     |     |    |     |    |     |    |    |    |    |     |     |     |    |    |    |     |     |     |     |    |    |    |    |    |    |
| WILLIAMSPORT WB AIRPORT | SNOWFALL     | T   |    | 13.3 | .4   | .1  | T   |    |     |    |     |    |    |    |    | 3.1 | 3.1 |     | T  | T  | T  | 2.5 | T   | .1  | T   |    |    |    |    |    |    |
|                         | SN ON GND    | 1   | T  | 1    | 14   | 12  | 11  | 9  | 9   | 6  | 4   | 4  | 3  | 3  | 2  | 1   | T   | 6   | 3  | 1  | T  | T   | 1   | T   | T   | T  | T  | T  | T  | T  | T  |
|                         | WTR EQUIV    |     |    | 1.0  | .9   | .9  | .9  | .8 | .5  | .5 | .5  | .4 | .4 | .3 |    |     | .8  | .5  |    |    |    |     |     |     |     |    |    |    |    |    |    |

NOTE: Prior to March 12, 1960 some observers at stations labeled WB adjusted the observed water equivalent value to be consistent with that reported for the previous observation and intervening snowfall. On March 12 a general instruction was issued requesting that each water equivalent observation be recorded as measured.

See reference notes following Station Index.

# TOTAL PRECIPITATION

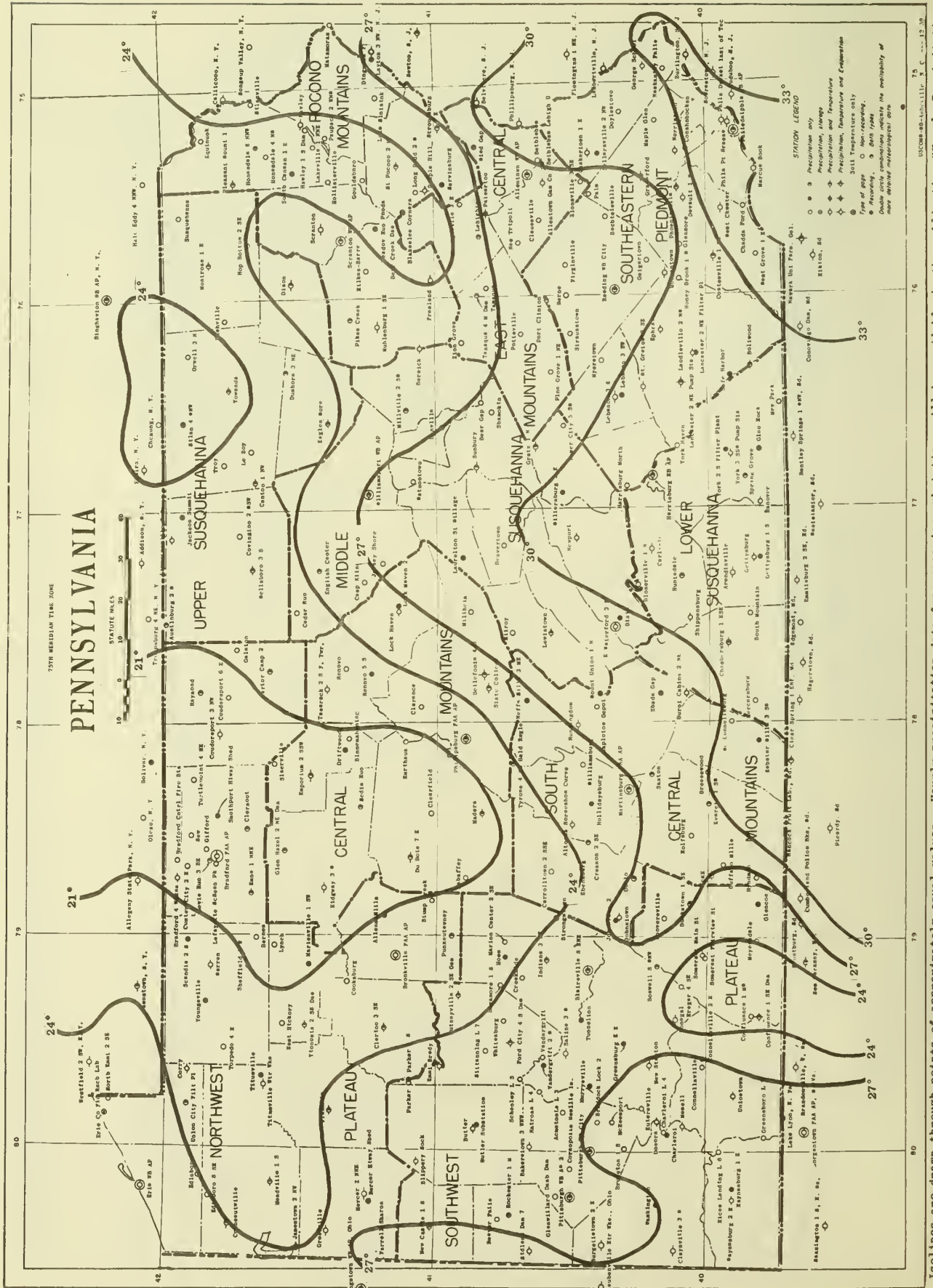
PENNSYLVANIA  
MARCH 1960



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
MARCH 1960



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA MARCH 1960

Main table containing station data with columns for Station, County, Drainage, Latitude, Longitude, Elevation, Observation Time and Tables, Observer, Station, County, Drainage, Latitude, Longitude, Elevation, Observation Time and Tables, Observer.

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PENNSYLVANIA  
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| STATION                | INDEX NO. | COUNTY       | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       | OBSERVER                 | STATION | INDEX NO.   | COUNTY | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                     | OBSERVER |
|------------------------|-----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|--------------------------|---------|-------------|--------|----------|----------|-----------|-----------|-----------------------------|---------|---------------------|----------|
|                        |           |              |          |          |           |           | TEMP.                       | PRECIP. | EVAP. |                          |         |             |        |          |          |           |           | TEMP.                       | PRECIP. | EVAP.               |          |
| STRAUSTOWN             | 8570      | BEKKS        | 14       | 40 29    | 76 11     | 600       |                             |         |       | JACOB FLAHR              | 9655    | ARMSTRONG   | 1      | 40 45    | 79 24    | 1530      |           |                             |         | CORPS OF ENGINEERS  |          |
| STRONGTOWN             | 8589      | INDIANA      | 4        | 40 39    | 78 55     | 1880      |                             |         |       | HARRY F. BENNETT         | 9702    | LAZERNE     | 15     | 41 15    | 75 52    | 610       | 7A        |                             |         | MRS. NARY G. NIPMAK |          |
| STRODSBURG             | 8596      | MONROE       | 5        | 40 59    | 75 12     | 480       | 11P                         | 11D     |       | WILLIAM MAGERTY          | 9714    | BLAIR       | 6      | 40 28    | 78 12    | 860       | 7A        |                             |         | MYRON K. BIDDLE     |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1        | 41 01    | 78 50     | 1320      |                             |         |       | CORPS OF ENGINEERS       | 9728    | LYCOMING    | 16     | 41 15    | 76 55    | 527       | NID       | NID                         |         | C H J               |          |
| SUNBURY                | 8668      | NORTHUMBLAND | 15       | 40 52    | 76 47     | 480       | 7A                          | 7A      |       | CHARLES W. BAYLER        | 9781    | NORTHAMPTON | 5      | 40 51    | 75 18    | 765       |           |                             |         | C                   |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15       | 41 57    | 75 36     | 1020      |                             |         |       | MRS. LAURA A. BENSON     | 9823    | BEDFORD     | 6      | 40 03    | 78 32    | 1190      |           |                             |         | 7A                  |          |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17       | 40 14    | 79 48     | 765       |                             |         |       | HANCE SEE                | 9933    | YORK        | 15     | 39 55    | 76 45    | 390       | SD        | SD                          |         | 5P                  |          |
| TAMAQUA                | 8758      | SCHUYLKILL   | 14       | 40 48    | 75 59     | 830       |                             |         |       | MRS. MARY L. ROBERTS     | 9938    | YORK        | 15     | 39 56    | 76 46    | 640       |           |                             |         |                     | C        |
| TAMAQUA 4 N DAN        | 8763      | SCHUYLKILL   | 14       | 40 51    | 75 59     | 1120      |                             |         |       | PANTHER VALLEY WTR. CO.  | 9950    | YORK        | 15     | 40 07    | 76 43    | 310       |           |                             |         |                     | 8A       |
| TAMARACK 2 S FIRE TWP  | 8770      | CLINTON      | 16       | 41 24    | 77 51     | 2220      | 7A                          | 7A      |       | JAMES E. SWARTZ          | 9966    | WARREN      | 1      | 41 51    | 79 20    | 1225      |           |                             |         |                     | C        |
| TIDNESTA 2 SE DAM      | 8873      | FOREST       | 1        | 41 29    | 79 26     | 1200      | BA                          | 8A      |       | CORPS OF ENGINEERS       | 9990    | SCHUYLKILL  | 15     | 40 54    | 76 13    | 940       |           |                             |         | 7A                  |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1        | 41 38    | 79 40     | 1550      |                             |         |       | PA. ELECTRIC CO.         | 9995    | LEHIGH      | 14     | 40 28    | 75 27    | 680       |           |                             |         |                     | 8A       |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1        | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       | CITY OF TITUSVILLE       |         |             |        |          |          |           |           |                             |         |                     |          |
| TORPEDO 4 W            | 8901      | WARREN       | 1        | 41 47    | 79 32     | 1735      |                             |         |       | MRS. LILY B. GARBER      |         |             |        |          |          |           |           |                             |         |                     |          |
| TOWANDA                | 8905      | BRADFORD     | 15       | 41 46    | 76 26     | 760       | 7P                          | 7A      |       | MRS. M. D. RARES         |         |             |        |          |          |           |           |                             |         |                     |          |
| TOWER CITY 5 SW        | 8910      | DAUPHIN      | 15       | 40 31    | 76 37     | 745       |                             |         |       | HARRISBURG WATER DEPT.   |         |             |        |          |          |           |           |                             |         |                     |          |
| TROY                   | 8959      | BRADFORD     | 15       | 41 47    | 76 47     | 1100      |                             |         |       | JENNIE L. DALLARO        |         |             |        |          |          |           |           |                             |         |                     |          |
| TUNNELTON              | 8989      | INDIANA      | 4        | 40 27    | 79 23     | 890       |                             |         |       | MRS. MARY E. WEIMER      |         |             |        |          |          |           |           |                             |         |                     |          |
| TURTLERPOINT 4 NE      | 9002      | MC KEAN      | 1        | 41 54    | 78 16     | 1640      |                             |         |       | ROBERT D. STRAIT         |         |             |        |          |          |           |           |                             |         |                     |          |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6        | 40 43    | 78 12     | 1020      |                             |         |       | FREDERICK L. FRIDAY      |         |             |        |          |          |           |           |                             |         |                     |          |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1        | 41 55    | 79 48     | 1400      |                             |         |       | HAROLD W. HAMMOND        |         |             |        |          |          |           |           |                             |         |                     |          |
| UNIONTOWN              | 9050      | FAYETTE      | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       | W. W. HARSTELLER         |         |             |        |          |          |           |           |                             |         |                     |          |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7        | 40 36    | 79 33     | 800       |                             |         |       | UNITED ENG. & FNDRY. CO. |         |             |        |          |          |           |           |                             |         |                     |          |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7        | 40 36    | 79 36     | 998       |                             |         |       | EUGENE P. YOUNG          |         |             |        |          |          |           |           |                             |         |                     |          |
| VIRGINVILLE            | 9196      | BEKKS        | 14       | 40 31    | 75 52     | 350       |                             |         |       | MRS. NARY N. WRIGHT      |         |             |        |          |          |           |           |                             |         |                     |          |
| WARREN                 | 9298      | WARREN       | 1        | 41 51    | 79 08     | 1280      | 7P                          | 7A      |       | GILBERT H. PEIER         |         |             |        |          |          |           |           |                             |         |                     |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11       | 40 11    | 80 14     | 1200      |                             |         |       | PA. DEPT. HIGHWAYS       |         |             |        |          |          |           |           |                             |         |                     |          |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16       | 41 05    | 76 52     | 490       |                             |         |       | WILLIAM BIRD             |         |             |        |          |          |           |           |                             |         |                     |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10       | 39 54    | 80 13     | 980       |                             |         |       | SAMUEL D. GREENLEE       |         |             |        |          |          |           |           |                             |         |                     |          |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10       | 39 54    | 80 10     | 940       |                             |         |       | SEWAGE DISPOSAL PLANT    |         |             |        |          |          |           |           |                             |         |                     |          |
| WEBSTER MILLS 3 SW     | 9380      | FULTON       | 17       | 39 49    | 78 05     | 920       |                             |         |       | WILLIAM G. COVER         |         |             |        |          |          |           |           |                             |         |                     |          |
| WELLSBORO 3 S          | 9408      | TIDGA        | 16       | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       | MARION L. SHUNWAY        |         |             |        |          |          |           |           |                             |         |                     |          |
| WEST CHESTER           | 9464      | CHESTER      | 5        | 39 58    | 75 35     | 440       | BA                          | BA      |       | DAILY LOCAL NEWS         |         |             |        |          |          |           |           |                             |         |                     |          |
| WEST GROVE 1 E         | 9503      | CHESTER      | 5        | 39 49    | 75 49     | 440       |                             |         |       | CONARD-HYLE CO.          |         |             |        |          |          |           |           |                             |         |                     |          |
| WEST HICKORY           | 9507      | FOREST       | 1        | 41 34    | 79 25     | 1090      |                             |         |       | MRS. HELEN F. KINNEAR    |         |             |        |          |          |           |           |                             |         |                     |          |
| WILKES-BARRE           | 9655      | ARMSTRONG    | 1        | 40 45    | 79 24     | 1530      |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| WILLIAMSBURG           | 9714      | BLAIR        | 6        | 40 28    | 78 12     | 860       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| WILLIAMSSPORT WB AP    | 9728      | LYCOMING     | 16       | 41 15    | 76 55     | 527       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| WIND GAP               | 9781      | NORTHAMPTON  | 5        | 40 51    | 75 18     | 765       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| WOLFSBURG              | 9823      | BEDFORD      | 6        | 40 03    | 78 32     | 1190      |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| YORK 3 SSW PUMP STA    | 9933      | YORK         | 15       | 39 55    | 76 45     | 390       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| YORK 2 S FILTER PLANT  | 9938      | YORK         | 15       | 39 56    | 76 46     | 640       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| YORK HAVEN             | 9950      | YORK         | 15       | 40 07    | 76 43     | 310       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| YOUNGVILLE             | 9966      | WARREN       | 1        | 41 51    | 79 20     | 1225      |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| ZION GROVE             | 9990      | SCHUYLKILL   | 15       | 40 54    | 76 13     | 940       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| ZIONSVILLE 3 SE        | 9995      | LEHIGH       | 14       | 40 28    | 75 27     | 680       |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| NEW STATIONS           |           |              |          |          |           |           |                             |         |       |                          |         |             |        |          |          |           |           |                             |         |                     |          |
| STILLWATER DAN         | 8491      | SUSQUEHANNA  | 5        | 41 42    | 75 29     | 16        |                             |         |       |                          |         |             |        |          |          |           |           |                             |         | C                   |          |

1-ALLEGHENY; 2-BEAVIS; 3-CLINTON; 4-CONEAUCH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-VOUGHTIENSHY



REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



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U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

APRIL 1960

Volume 65 No. 4



ASHEVILLE: 1960

PENNSYLVANIA - APRIL 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 96° on the 24th at Burnt Cabins 2 NE

Lowest Temperature: 15° on the 11th at Bradford 4 W Res

Greatest Total Precipitation: 5.59 inches at Stroudsburg

Least Total Precipitation: 0.47 inch at Beaver Falls

Greatest One-Day Precipitation: 2.64 inches on the 27th at Wellsboro  
3 S

Greatest Reported Total Snowfall: 17.0 inches at Raymond

Greatest Reported Depth of Snow on Ground: 8 inches on the 1st at  
Pleasant Mount 1 W and on  
the 9th at Austinburg 2 W











# DAILY PRECIPITATION

PENNSYLVANIA  
APRIL 1960

CONTINUED

| Station            | Total | Day of month |     |      |      |      |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |
|--------------------|-------|--------------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|
|                    |       | 1            | 2   | 3    | 4    | 5    | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13 | 14 | 15 | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24 | 25 | 26 | 27  | 28  | 29  | 30  | 31  |
| VIRGINVILLE        | 4.40  |              |     | .04  | 1.66 | 1.88 | .10 |     |     |     |     |     |     |    |    |    | .04 | .07 | .02 | .40 |     |     |     |     |    |    |    | .12 | .07 |     |     |     |
| WARREN             | 1.57  | .19          |     |      | .20  | T    | .04 | .15 | .07 | .20 | .09 |     | .02 |    |    |    | .27 | .10 | .02 |     |     |     | .11 |     |    |    |    |     |     |     |     |     |
| WATSONTOWN         | 5.11  | .02          | .99 | 1.13 | T    | .15  | .30 | .12 | T   |     | T   |     |     |    |    |    |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |
| WAYNESBURG 2 W     | 1.21  |              |     | .25  | .06  | .19  | .02 | .04 | .09 | .05 | T   | .01 |     |    |    |    | .02 |     | .03 |     |     |     |     |     |    |    |    |     |     |     |     |     |
| WELLSBORO 3 S      | 4.17  | .52          | T   |      | .31  | .17  | T   | .12 | .06 | T   | T   | .01 |     |    |    |    | .09 |     | .16 |     |     |     |     |     |    |    |    |     |     |     |     |     |
| WEST CHESTER       | 3.53  | .33          |     | .41  | .97  | .95  | .14 |     | .01 | .17 |     |     | .06 |    |    |    |     |     | .07 | .25 |     |     |     | .04 |    |    |    |     |     |     |     |     |
| WEST GROVE 1 E     | 3.70  | .05          |     |      | 1.75 | .89  | .25 |     |     | .15 |     | .01 |     |    |    |    |     |     |     | .05 | .30 |     |     |     |    |    |    |     |     |     |     |     |
| WEST HICKORY       | -     | .06          |     |      | .30  | .03  | .07 | .10 |     |     |     | .14 |     |    |    |    |     |     |     |     | .35 | .20 |     |     |    |    |    |     |     |     |     |     |
| WHITESBURG         | -     |              |     |      | .85  |      | .13 | T   |     |     |     |     |     |    |    |    |     |     |     |     |     |     | .12 |     |    |    |    |     |     |     |     |     |
| WILKES BARRE       | 3.53  | .35          |     |      | 1.42 | .67  | .03 | .10 | .12 | .04 | T   |     |     |    |    |    |     |     |     |     |     |     |     |     |    |    |    | .19 | .62 |     |     |     |
| WILLIAMSBURG       | 2.93  |              | .05 |      | .78  | .96  | .13 | T   | .19 | .13 | .08 | T   | .09 |    |    |    |     | .03 | .14 | .11 |     |     |     |     |    |    |    |     |     |     |     |     |
| WILLIAMSPORT WB AP | 3.44  | T            |     |      | 1.45 | .06  | .01 | .29 | .07 | .01 |     | .01 |     |    |    |    |     |     |     |     | .01 |     |     |     |    |    |    | .10 | .44 | .24 |     | .01 |
| WOLFSBURG          | 2.19  | .02          |     |      | .95  | .37  | .55 | T   |     |     |     |     |     |    |    |    |     |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |
| YORK 3 SW PUMP STA | 3.59  | .09          |     | .37  | 1.05 | 1.49 | T   | .02 | .06 |     |     |     |     |    |    |    |     |     |     |     | .01 |     |     |     |    |    |    |     |     |     |     |     |
| YORK HAVEN         | 3.56  | .10          |     | .02  | 1.13 | 1.55 | .07 | T   | .03 |     |     |     |     |    |    |    |     |     |     |     | .11 |     |     |     |    |    |    |     | .29 | .13 |     |     |
| ZION GROVE         | 5.15  | .12          |     | .12  | 1.40 | .60  |     | .12 | .10 | .05 |     |     |     |    |    |    |     |     |     |     | .10 |     |     |     |    |    |    |     |     | .03 | .51 |     |
| ZONSVILLE 3 SE     | 3.39  | .07          |     |      | 1.33 | .78  | .06 |     |     | .14 |     |     | .04 |    |    |    |     |     |     |     | .15 |     |     |     |    |    |    |     | .23 | .26 |     |     |
|                    |       |              |     |      |      |      |     |     |     |     |     |     |     |    |    |    |     |     |     |     | .06 |     |     |     |    |    |    |     | .05 | .44 |     | .07 |

# SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m p h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|-------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average           | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | W              | 12                              | 12.8              | 43++         | WNW                       | 18                   | 75                                   | 77         | 50         | 57         | 5                                 | 5     | 3     | 2     | 1       | 0            | 16                           | -                                   | 6.5   |
| ARIE WB AIRPORT         | WSW            | 18                              | 13.9              | 37++         | SW                        | 12+                  | 76                                   | 76         | 62         | 65         | 2                                 | 10    | 8     | 0     | 0       | 0            | 20                           | -                                   | 8.0   |
| HARRISBURG WB AIRPORT   | WNW            | 15                              | 8.7               | 32           | SW                        | 26+                  | 61                                   | 68         | 42         | 45         | 5                                 | 7     | 2     | 0     | 1       | 0            | 15                           | 55                                  | 7.3   |
| PHILADELPHIA WB AIRPORT | WNW            | 13                              | 9.9               | 30           | NW                        | 12+                  | 73                                   | 77         | 48         | 54         | 5                                 | 2     | 3     | 3     | 0       | 0            | 13                           | 71                                  | 6.4   |
| PITTSBURGH WB AIRPORT 2 | W              | 15                              | 9.6               | 35++         | WSW                       | 26                   | 69                                   | 71         | 48         | 52         | 11                                | 5     | 4     | 0     | 0       | 0            | 20                           | 59                                  | 8.0   |
| READING WB CITY         | -              | -                               | 12.2              | 45           | S                         | 26                   | -                                    | -          | -          | -          | 5                                 | 1     | 3     | 1     | 2       | 0            | 12                           | 60                                  | 6.7   |
| SCRANTON WB AIRPORT     | SW             | 12                              | 9.5               | 34           | SW                        | 18                   | 64                                   | 69         | 51         | 56         | 9                                 | 3     | 5     | 3     | 0       | 0            | 20                           | 54                                  | 7.7   |
| WILLIAMSPORT WB AIRPORT | W              | 16                              | 9.8               | 40++         | W                         | 8                    | 73                                   | 76         | 45         | 51         | 6                                 | 7     | 5     | 0     | 1       | 0            | 19                           | -                                   | 7.6   |

See Reference Notes Following Station Index





DAILY TEMPERATURES

PENNSYLVANIA APRIL 1960

Continued

Table with columns for Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like MUHLENBURG 1 SE, NEW CASTLE 1 N, NEWELL, NEWPORT, NEW STANTON, NORRISTOWN, PALMERTON, PHIL OREXEL INST OF TEC, PHILADELPHIA W8 AP, PHILADELPHIA PT BREEZE, PHILIPSBURG FAA AP, PHOENIXVILLE 1 E, PITTSBURGH W8 AP 2, PITTSBURGH W8 CITY, PLEASANT MOUNT 1 W, PORT CLINTON, PUTNEYVILLE 2 SE OAM, QUAKERTOWN 1 E, READING WB CITY, RIDGWAY 3 W, SALINA 3 W, SCRANTON, SCRANTON W8 AIRPORT, SHIPPENSBURG, SLIPPERY ROCK, STATE COLLEGE, STROUOSBURG, SUNSBURY, TAMARACK 2 S FIRE TWR, TIONESTA 2 SE OAM, TITUSVILLE WATER WORKS, TOWANO, UNIONTOWN, WARREN, WAYNESBURG 2 W, WELLSBORO 3 S, WEST CHESTER, WILLIAMSPORT W8 AP.

See Reference Notes Following Station Index

Continued

### DAILY TEMPERATURES

PENNSYLVANIA  
APRIL 1960

| Station             | MAX<br>MIN | Day Of Month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              | Average |
|---------------------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|---------|
|                     |            | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30           |         |
| YORK 3 SSW PUMP STA | 67<br>46   | 65<br>39     | 52<br>39 | 72<br>44 | 62<br>41 | 48<br>33 | 54<br>31 | 58<br>35 | 55<br>37 | 48<br>30 | 59<br>24 | 71<br>48 | 75<br>35 | 85<br>43 | 83<br>50 | 84<br>51 | 84<br>48 | 80<br>51 | 62<br>31 | 70<br>32 | 79<br>46 | 85<br>55 | 91<br>48 | 91<br>49 | 90<br>56 | 88<br>55 | 75<br>60 | 64<br>47 | 73<br>33 | 73<br>53 | 71.4<br>43.0 |         |

### EVAPORATION AND WIND

| Station             |              | Day of month |            |            |         |         |           |           |           |            |           |            |            |            |           |           |           |            |            |            |           |           |           |           |           |           |           |           |           |           |                | Total<br>or<br>Avg. |
|---------------------|--------------|--------------|------------|------------|---------|---------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|---------------------|
|                     |              | 1            | 2          | 3          | 4       | 5       | 6         | 7         | 8         | 9          | 10        | 11         | 12         | 13         | 14        | 15        | 16        | 17         | 18         | 19         | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28        | 29        | 30             |                     |
| CONFLUENCE 1 SW DAM | EVAP<br>WIND | -.05<br>-.17 | .11<br>.80 | .02<br>.39 | *<br>21 | *<br>88 | .04<br>85 | .12<br>89 | .08<br>92 | .05<br>97  | .06<br>75 | .16<br>132 | .32<br>124 | .17<br>40  | .21<br>70 | .13<br>62 | .15<br>46 | .23<br>126 | .10<br>78  | .10<br>24  | .18<br>42 | .09<br>87 | .30<br>55 | .17<br>49 | .28<br>86 | .26<br>80 | .16<br>72 | .10<br>57 | .19<br>58 | .17<br>45 | 84.14<br>82088 |                     |
| JAMESTOWN 2 NW      | EVAP<br>WIND | -<br>-       | -<br>-     | -<br>-     | -<br>-  | -<br>-  | -<br>-    | -<br>-    | -<br>-    | -<br>-     | -<br>-    | -<br>-     | -<br>-     | -<br>-     | -<br>-    | -<br>-    | -<br>-    | -<br>-     | -<br>-     | -<br>-     | .07<br>19 | .09<br>53 | .20<br>30 | .18<br>39 | .24<br>63 | .20<br>39 | .11<br>40 | .14<br>17 | .03<br>29 | .22<br>25 | -<br>-         |                     |
| LANDISVILLE 2 NW    | EVAP<br>WIND | -<br>168     | -<br>92    | -<br>121   | -<br>97 | -<br>83 | -<br>109  | -<br>131  | -<br>19   | .06<br>166 | .15<br>38 | .23<br>113 | .18<br>93  | .35<br>140 | .08<br>3  | .24<br>38 | .21<br>42 | .21<br>65  | .23<br>135 | .20<br>112 | .15<br>31 | .26<br>96 | .25<br>95 | .10<br>52 | .41<br>12 | .21<br>40 | *<br>63   | *<br>60   | .53<br>62 | .24<br>91 | .19<br>32      | -<br>2399           |

### DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time       | Day of month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | Average      |    |
|-------------------------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|----|
|                         |            | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       |              | 31 |
| ERIE CO FIELD RSCH LAB  |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |    |
| 8 INCHES                | MAX<br>MIN | 43<br>40     | 48<br>40 | 48<br>46 | 48<br>44 | 43<br>41 | 42<br>38 | 44<br>39 | 44<br>40 | 42<br>38 | 42<br>37 | 41<br>37 | 46<br>41 | 48<br>41 | 52<br>48 | 52<br>51 | 57<br>52 | 59<br>55 | 57<br>46 | 51<br>43 | 52<br>45 | 54<br>50 | 60<br>52 | 63<br>56 | 66<br>59 | 68<br>61 | 62<br>54 | 57<br>51 | 56<br>51 | 54<br>50 | 57<br>53 | 51.8<br>46.6 |    |
| LANDISVILLE 2 NW        |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |    |
| 2 INCHES                | 8 AM       | 47           | 45       | 42       | 43       | 47       | 39       | 40       | 40       | 40       | 37       | 37       | 45       | 45       | 48       | 51       | 56       | 55       | 58       | 47       | 47       | 50       | 57       | 55       | 59       | 60       | 81       | 60       | 54       | 50       | 55       | 38.4         |    |
| STATE COLLEGE 2         |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |    |
| 2 INCHES                | MAX<br>MIN | 55<br>40     | 52<br>35 | 42<br>39 | 51<br>39 | 45<br>33 | 41<br>30 | 43<br>34 | 48<br>35 | 42<br>31 | 39<br>31 | 54<br>30 | 50<br>41 | 58<br>36 | 59<br>43 | 59<br>47 | 67<br>48 | 64<br>51 | 56<br>43 | 67<br>38 | 64<br>40 | 63<br>45 | 69<br>51 | 71<br>51 | 70<br>55 | 74<br>58 | 72<br>55 | 63<br>53 | 64<br>46 | 71<br>44 | 60<br>43 | 57.6<br>42.5 |    |
| 4 INCHES                | MAX<br>MIN | 48<br>40     | 47<br>37 | 42<br>40 | 47<br>39 | 44<br>37 | 39<br>33 | 41<br>35 | 44<br>36 | 39<br>34 | 44<br>32 | 39<br>32 | 46<br>41 | 48<br>38 | 52<br>44 | 55<br>47 | 55<br>49 | 60<br>51 | 56<br>45 | 56<br>40 | 57<br>42 | 58<br>46 | 63<br>52 | 64<br>52 | 66<br>55 | 67<br>57 | 67<br>55 | 60<br>55 | 60<br>48 | 65<br>47 | 58<br>53 | 53.4<br>43.7 |    |
| 8 INCHES                | MAX<br>MIN | 43<br>39     | 43<br>38 | 42<br>40 | 43<br>39 | 42<br>40 | 38<br>36 | 39<br>36 | 41<br>37 | 38<br>36 | 37<br>34 | 40<br>34 | 44<br>40 | 46<br>39 | 50<br>44 | 51<br>47 | 54<br>48 | 55<br>48 | 54<br>43 | 50<br>45 | 52<br>45 | 53<br>48 | 56<br>51 | 58<br>52 | 59<br>54 | 60<br>56 | 61<br>56 | 58<br>56 | 56<br>51 | 58<br>50 | 56<br>54 | 49.2<br>44.7 |    |
| 16 INCHES               | MAX<br>MIN | 38<br>36     | 39<br>38 | 39<br>39 | 40<br>39 | 41<br>40 | 40<br>38 | 38<br>38 | 40<br>38 | 40<br>39 | 39<br>37 | 38<br>36 | 41<br>38 | 41<br>40 | 44<br>42 | 46<br>44 | 48<br>46 | 48<br>48 | 49<br>45 | 50<br>46 | 48<br>47 | 47<br>47 | 48<br>49 | 50<br>50 | 51<br>51 | 52<br>52 | 54<br>53 | 54<br>53 | 54<br>52 | 54<br>51 | 53<br>52 | 45.6<br>44.1 |    |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slops of Ground: Gents slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent plus grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# SNOWFALL AND SNOW ON GROUND

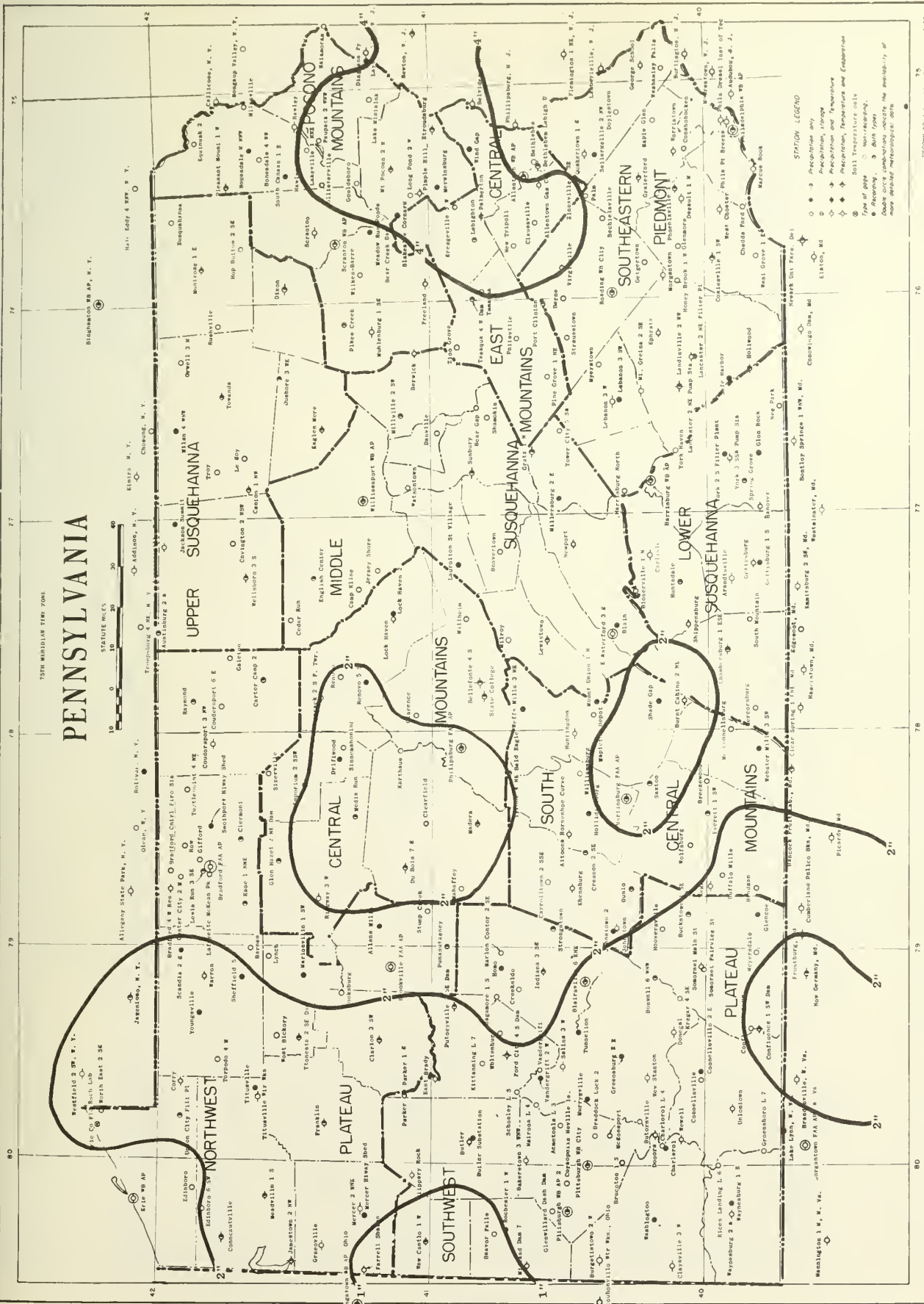
PENNSYLVANIA  
APRIL 1960

| Station                 | Day of month |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------------|--------------|---|---|---|---|-----|-----|-----|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                         | 1            | 2 | 3 | 4 | 5 | 6   | 7   | 8   | 9 | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| ALLENTOWN WB AIRPORT    |              |   |   |   | T | T   | T   |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| AUSTINBURG 2 W          |              |   |   |   |   |     |     |     |   | 8.0 | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| BRADFORD FAA AIRPORT    |              |   |   |   | T | 2.0 | 3.0 | 1.7 | - | T   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| BRADFORD 4 W RES        |              |   |   |   | T | 2   | 3   | 1   | 5 | 5   | 3  | T  | T  | T  | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| BROOKVILLE FAA AIRPORT  |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CANTON 1 NW             |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CARLISLE                |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CARROLLTOWN 2 SSE       |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CORRY                   |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DONEGAL                 |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DU BOIS 7 E             |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| ERIE WB AIRPORT         |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| FORD CITY 4 S DAM       |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| GALETON                 |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| GREENSBORO LOCK 7       |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| HARRISBURG WB AIRPORT   |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| BOLTWOOD                |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| INDIANA 3 SE            |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| KANE I NNE              |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| LAWRENCEVILLE 2 S       |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| MATAMORAS               |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| MEADVILLE 1 S           |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| MEDIX RUN               |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| MONTROSE                |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| PBILADELPHIA WB AIRPORT |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| PBILIPSBURG FAA AIRPORT |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| PITTSBURGH WB AIRPORT 2 |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| PLEASANT MOUNT 1 W      |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| READING WB CITY         |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SCRANTON WB AIRPORT     |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SBIPPENSBURG            |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SLIPPERY ROCK           |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TAMARACK 2 S FIRE TWR   |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TIONESTA 2 SE DAM       |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TOWANDA                 |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WILLIAMSPORT WB AIRPORT |              |   |   |   |   |     |     |     |   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

See reference notes following Station Index.

# TOTAL PRECIPITATION

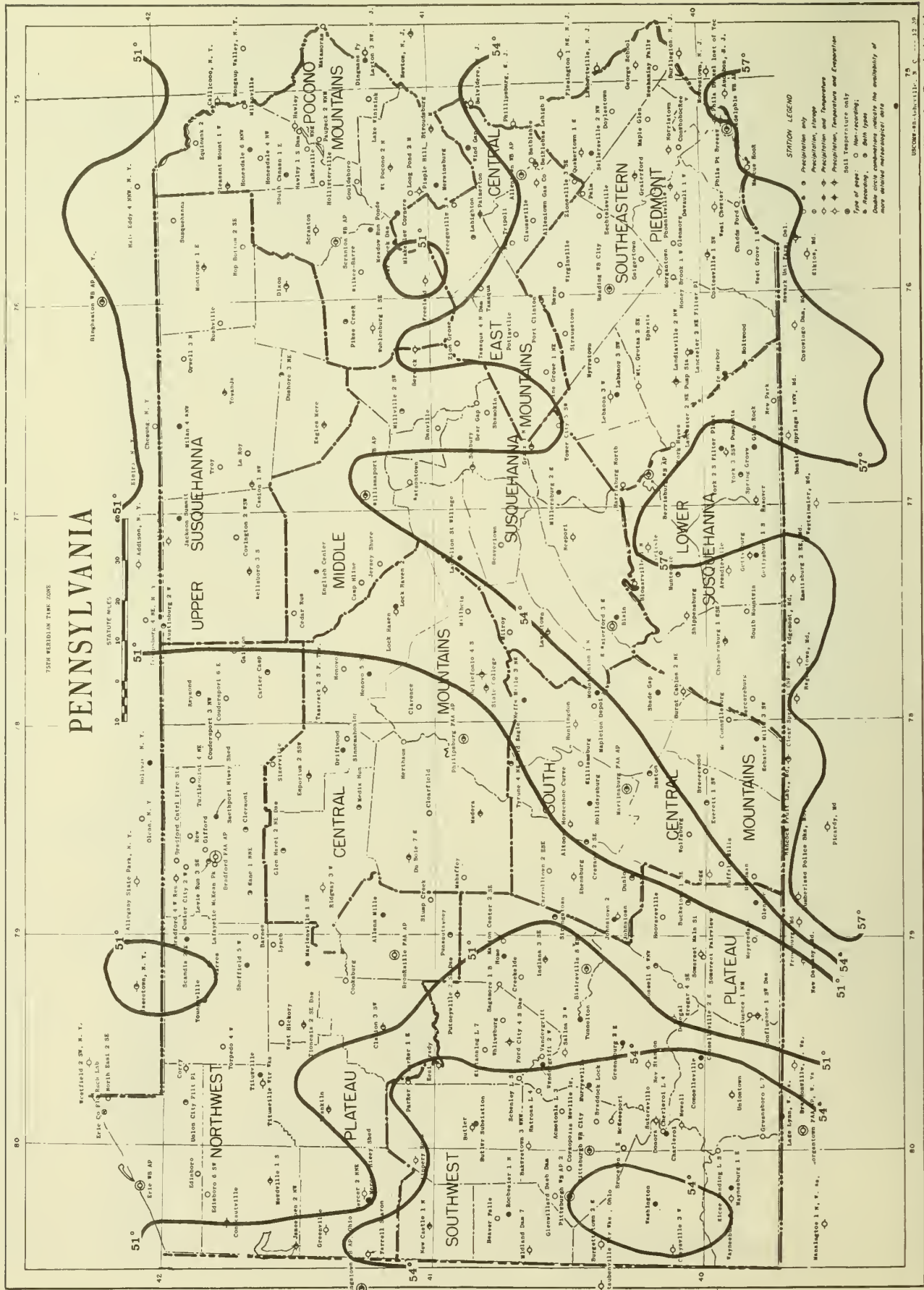
PENNSYLVANIA  
APRIL 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
APRIL 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder observations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

PENNSYLVANIA APRIL 1960

Main data table with columns: STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER.



551.05  
UNP

U. S. DEPARTMENT OF COMMERCE  
LEWIS L. STRAUSS, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

MAY 1960  
Volume 65 No. 5



ASHEVILLE: 1960

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PENNSYLVANIA - MAY 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 90° on the 20th at Kegg

Lowest Temperature: 18° on the 2nd at Coudersport 3 NW

Greatest Total Precipitation: 10.94 inches at Breezewood

Least Total Precipitation: 3.02 inches at Wilkes Barre

Greatest One-Day Precipitation: 5.11 inches on the 8th at Breezewood

Greatest Reported Total Snowfall: 1.0 inch at Glen Hazel 2 NE Dam

Greatest Reported Depth of Snow on Ground: 1 inch on the 11th at  
Tamarack 2 S Fire Twr and  
Coudersport 3 NW

SPECIAL WEATHER SUMMARY

The weather pattern of generally wide fluctuations from one month to the next established earlier in the year continued during May. Cool cloudy weather with abundant and frequent rain was the general rule in contrast to April weather when temperatures averaged much above normal and precipitation was deficient in all sections.

Pennsylvania found itself under the influence of most of the storms that moved across the continental United States during the month. This influence was noted in a number of ways. Cloudiness associated with the storms decreased the normal amount of possible sunshine by 15 to 20 percent which in turn was reflected in unusually low temperatures, both averages and extremes, for this time of the year. Temperatures averaged several degrees below normal and only a few degrees above those of the preceding month. This same trend was reflected in the extreme values as maximum readings failed to reach 90 degrees almost everywhere which is extremely rare for May and minimum readings dipped to or below freezing at least once during the month at practically all stations. In several northern counties freezing temperatures were reported as late as the 25th.

Another direct result of the high frequency of storms was the unusually large and numerous amounts of rain that occurred almost everywhere. Most of the precipitation occurred as showers and during thunderstorms so that amounts varied considerably across the state. Rainfall was above normal almost statewide for one of the

wettest Mays of record. Not since the hurricanes of August 1955 has rainfall been so abundant over such a large area of the state. The only section to receive less than normal amounts was in parts of Northampton, Lehigh and Bucks Counties but even here deficiencies were less than one half inch. Elsewhere rainfall totaled between 5 and 8 inches which is up to twice the normal for May. Greater amounts of 10 to 12 inches were even reported in scattered sections but these were very localized. Rain was a common occurrence throughout the month with measurable amounts reported on about 15 days. In most areas the only extended period of dry weather consisted of 5 days from the 2nd through the 6th. Heavy rain on the 7th and 8th ended the 'dryspell' and ushered in a period of wet weather that lingered through virtually the remainder of the month. During the last 24 days precipitation was reported on 15 to 20 days with only one or two day intervals between rains which kept ground conditions moist to wet.

In comparison to the unusually large amount of thunderstorm activity damage from lightning, wind and sometimes hail was relatively light. However several exceptions were noted such as the hail that accompanied a thunderstorm in the Johnstown area on the 17th. Fifty thousand panes of glass were broken in greenhouses by the 2 1/2 inch hailstones that accumulated to a depth of 18 inches in the streets.

Nelson M. Kauffman, State Climatologist  
U. S. Weather Bureau  
Harrisburg, Pennsylvania











# DAILY PRECIPITATION

CONTINUED

PENNSYLVANIA  
MAY 1960

| Station               | Total | Day of month |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------------------|-------|--------------|-----|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                       |       | 1            | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| IRGIVILLE             | 4.49  | .13          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WARREN                | 4.41  | .26          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WATSONTOWN            | 7.29  | .02          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WAYNESBURG 2 W        | 4.31  | .08          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WELLSBORO 3 S         | 4.01  | .02          | T   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WEST CHESTER          | 3.97  | .41          | .09 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WEST GROVE 1 E        | 4.68  | .18          | .10 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WEST HICKORY          | 4.39  | .34          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WITTESBURG            | -     |              |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WILKES BARRE          | 3.02  | .18          | T   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WILLIAMSBURG          | 9.24  | T            |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WILLIAMSPORT WB AP    | 7.24  | .07          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WOLFSTOWN             | 8.79  | T            |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| WYOMING 3 SW PUMP STA | 7.78  | .32          |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| YORK HAVEN            | 7.35  | .19          | .02 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| YORK GROVE            | -     |              |     |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| YORKVILLE 3 SE        | 4.84  | .58          | .04 |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |    |    |    | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|----|----|----|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile |                                      |    |    |    | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | W              | 10                              | 9.5                 | 35++         | SW                        | 9                    | 84                                   | 89 | 60 | 67 | 7                                 | 3     | 10    | 1     | 0       | 0            | 21                           | -                                   | 6.7   |
| ALTOONA WB AIRPORT      | SSE            | 16                              | 12.0                | 32++         | SSE                       | 7                    | 79                                   | 78 | 66 | 69 | 8                                 | 11    | 2     | 2     | 1       | 0            | 24                           | -                                   | 8.0   |
| HARRISBURG WB AIRPORT   | W              | 14                              | 6.8                 | 30           | W                         | 21                   | 78                                   | 81 | 56 | 61 | 5                                 | 2     | 10    | 4     | 0       | 2            | 22                           | 43                                  | 7.6   |
| PHILADELPHIA WB AIRPORT | WSW            | 11                              | 7.9                 | 30           | NW                        | 17                   | 80                                   | 82 | 59 | 63 | 4                                 | 4     | 8     | 2     | 0       | 0            | 18                           | 48                                  | 6.9   |
| PITTSBURGH WB AIRPORT 2 | SE             | 11                              | 8.3                 | 35++         | WNW                       | 17                   | 79                                   | 81 | 60 | 61 | 7                                 | 3     | 6     | 2     | 2       | 0            | 20                           | 47                                  | 8.3   |
| READING WB CITY         | -              | -                               | 9.7                 | 33           | E                         | 22                   | -                                    | -  | -  | -  | 2                                 | 3     | 7     | 4     | 1       | 0            | 17                           | 47                                  | 7.0   |
| SCRANTON WB AIRPORT     | SW             | 11                              | 8.0                 | 25           | NW                        | 16                   | 75                                   | 81 | 60 | 65 | 1                                 | 7     | 10    | 3     | 0       | 0            | 21                           | 45                                  | 7.5   |
| WILLIAMSPORT WB AIRPORT | W              | 16                              | 8.7                 | 28           | E                         | 8                    | 82                                   | 85 | 61 | 62 | 2                                 | 8     | 6     | 4     | 2       | 0            | 22                           | -                                   | 7.6   |

See Reference Notes Following Station Index



DAILY TEMPERAT URES

PENNSYLVANIA MAY 1960

Continued

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like EVERETT 1 SW, FARRELL SHARON, FORD CITY & S DAM, etc.

See Reference Notes Following Station Index



## DAILY TEMPERATURES

PENNSYLVANIA  
MAY 1960

Continued

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| WILLIAMSPORT W8 AP  | MAX | 58           | 66 | 71 | 73 | 75 | 78 | 74 | 66 | 51 | 51 | 55 | 49 | 57 | 52 | 75 | 80 | 73 | 69 | 79 | 70 | 73 | 64 | 62 | 70 | 75 | 75 | 79 | 68 | 61 | 63 | 71 | 67.2    |
|                     | MIN | 40           | 32 | 38 | 39 | 44 | 50 | 54 | 50 | 39 | 37 | 42 | 42 | 47 | 44 | 41 | 48 | 48 | 55 | 48 | 55 | 60 | 55 | 54 | 50 | 43 | 48 | 52 | 57 | 55 | 57 | 58 | 47.6    |
| YORK 3 SSW PUMP STA | MAX | 66           | 67 | 72 | 73 | 77 | 78 | 77 | 75 | 60 | 65 | 65 | 57 | 62 | 59 | 76 | 83 | 83 | 81 | 82 | 85 | 84 | 79 | 72 | 75 | 76 | 78 | 78 | 76 | 61 | 68 | 76 | 73.1    |
|                     | MIN | 52           | 30 | 35 | 35 | 40 | 41 | 45 | 59 | 46 | 37 | 49 | 47 | 38 | 39 | 40 | 55 | 49 | 58 | 50 | 51 | 63 | 62 | 56 | 50 | 49 | 53 | 55 | 57 | 54 | 58 | 56 | 48.7    |

## EVAPORATION AND WIND

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total of Avg |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |              |
| BELLEFONTE 4 S      | EVAP | -            | .10 | .10 | .30 | .30 | .40 | .30 | .40 | .05 | .04 | .08 | .13 | .08 | .19 | .20 | .30 | .40 | .12 | .10 | .22 | .05 | .10 | .45 | .35 | .20 | .25 | .15 | .35 | -   | .15 | .07 | B6.34        |
|                     | WIND | 12           | 10  | 7   | 7   | 7   | 11  | 16  | 15  | 9   | 2   | 15  | 4   | 3   | 7   | 9   | 12  | 8   | 6   | 4   | 5   | 4   | 3   | 12  | 5   | 9   | 2   | 6   | 11  | 5   | 7   | 238 |              |
| CONFLUENCE 1 SW DAM | EVAP | .24          | .10 | .16 | .22 | .15 | -   | .39 | .12 | .07 | .13 | -   | .17 | -   | *   | *   | .34 | .26 | .23 | .03 | .20 | .22 | .14 | .19 | .05 | .22 | .04 | .11 | .04 | .01 | .09 | .04 | B4.39        |
|                     | WIND | 130          | 79  | 43  | 48  | 39  | 68  | 134 | 84  | 22  | 93  | 81  | 38  | 30  | 42  | 42  | 119 | 68  | 101 | 32  | 29  | 66  | 40  | 66  | 38  | 72  | 27  | 34  | 50  | 40  | 28  | 61  | 1844         |
| FORD CITY 4 S DAM   | EVAP | -            | .13 | .13 | .20 | .26 | .25 | .40 | .04 | .05 | .07 | -   | .06 | .02 | .04 | .02 | .31 | .26 | .28 | .07 | .19 | .21 | .17 | .10 | .09 | .22 | .16 | .18 | .16 | .10 | .10 | .08 | B4.65        |
|                     | WIND | -            | 68  | 32  | 11  | 17  | 30  | 101 | 15  | 28  | 72  | 44  | 27  | 8   | 5   | 32  | 61  | 42  | 78  | 27  | 20  | 66  | 32  | 51  | 32  | 77  | 17  | 23  | 64  | 47  | 15  | 45  | B1227        |
| JAMESTOWN 2 NW      | EVAP | .12          | .10 | .10 | .15 | .20 | .11 | .35 | .15 | -   | -   | .02 | .03 | -   | .11 | .06 | .20 | .21 | .23 | .07 | .16 | .15 | .17 | -   | .17 | .14 | -   | .15 | .17 | .10 | .04 | .07 | B4.21        |
|                     | WIND | 67           | 31  | 31  | 35  | 21  | 46  | 62  | 55  | 9   | *   | *   | *   | *   | 112 | 8   | 56  | 11  | 68  | 3   | 11  | 27  | 21  | 19  | 22  | 10  | 26  | 6   | 68  | 23  | 13  | 3   | 864          |
| LANDISVILLE 2 NW    | EVAP | .14          | .20 | .09 | .20 | .22 | .23 | .31 | .21 | -   | .35 | .10 | .11 | -   | .09 | .10 | .25 | .33 | .18 | .27 | .18 | -   | .15 | -   | -   | .12 | .30 | .19 | .26 | .06 | .03 | .07 | B5.65        |
|                     | WIND | 120          | 84  | 41  | 43  | 26  | 41  | 68  | 31  | 235 | 76  | 75  | 32  | 31  | 23  | 44  | 59  | 57  | 38  | 76  | 19  | 43  | 27  | 80  | 24  | 41  | 25  | 22  | 65  | 59  | 34  | 43  | 1682         |

## DAILY SOIL TEMPERATURES

| Station And Depth      | Time     | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |      |
|------------------------|----------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|------|
|                        |          | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |      |
| ERIE CO FIELD RSCH LAB |          |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |      |
|                        | 8 INCHES | MAX          | 57 | 56 | 61 | 65 | 67 | 70 | 68 | 60 | 52 | 50 | 50 | 51 | 53 | 52 | 56 | 59 | 59 | 60 | 63 | 63 | 65 | 63 | 61 | 61 | 62 | 63 | 66 | 65 | 61 | 61   | 60      | 60.0 |
|                        | MIN      | 51           | 48 | 52 | 55 | 59 | 62 | 60 | 52 | 50 | 48 | 47 | 48 | 49 | 49 | 49 | 53 | 56 | 55 | 57 | 61 | 61 | 60 | 59 | 59 | 57 | 59 | 61 | 62 | 60 | 60 | 58   | 55.4    |      |
| LANDISVILLE 2 NW       |          |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |      |
| 2 INCHES               | 8 AM     | 53           | 47 | 50 | 50 | 53 | 55 | 56 | 59 | 56 | 50 | 52 | 52 | 51 | 50 | 50 | 56 | 58 | 60 | 57 | 60 | 62 | 62 | 58 | 57 | 58 | 60 | 61 | 61 | 57 | 58 | 58   | 55.7    |      |
| STATE COLLEGE 2        |          |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |      |
| 2 INCHES               | MAX      | 54           | 65 | 71 | 74 | 74 | 75 | 68 | 60 | 51 | 49 | 54 | 48 | 52 | 54 | 62 | 68 | 64 | 60 | 71 | 69 | 73 | 68 | 65 | 69 | 73 | 73 | 71 | 61 | 60 | 60 | 57.4 |         |      |
|                        | MIN      | 46           | 41 | 46 | 46 | 50 | 52 | 52 | 47 | 46 | 45 | 46 | 46 | 47 | 47 | 52 | 53 | 57 | 53 | 59 | 61 | 60 | 59 | 58 | 53 | 56 | 59 | 58 | 57 | 57 | 56 | 52.2 |         |      |
| 4 INCHES               | MAX      | 54           | 60 | 65 | 67 | 67 | 68 | 63 | 58 | 52 | 48 | 51 | 48 | 51 | 51 | 58 | 63 | 61 | 59 | 66 | 65 | 68 | 65 | 63 | 64 | 68 | 68 | 61 | 59 | 60 | 61 | 60.6 |         |      |
|                        | MIN      | 48           | 43 | 47 | 49 | 52 | 53 | 54 | 53 | 48 | 46 | 46 | 46 | 47 | 47 | 52 | 53 | 57 | 54 | 59 | 60 | 60 | 59 | 58 | 54 | 57 | 60 | 59 | 57 | 57 | 57 | 52.9 |         |      |
| 8 INCHES               | MAX      | 54           | 55 | 58 | 59 | 60 | 61 | 59 | 58 | 54 | 50 | 50 | 50 | 50 | 50 | 54 | 58 | 58 | 57 | 61 | 62 | 64 | 63 | 61 | 62 | 64 | 64 | 64 | 62 | 59 | 59 | 59   | 58.0    |      |
|                        | MIN      | 51           | 47 | 49 | 51 | 53 | 54 | 55 | 55 | 50 | 48 | 47 | 48 | 47 | 48 | 49 | 52 | 53 | 56 | 54 | 58 | 60 | 60 | 59 | 59 | 57 | 59 | 60 | 59 | 58 | 57 | 57   | 53.9    |      |
| 12 INCHES              | MAX      | 53           | 52 | 53 | 54 | 55 | 56 | 56 | 55 | 54 | 51 | 50 | 50 | 49 | 49 | 51 | 54 | 54 | 55 | 57 | 58 | 60 | 60 | 60 | 59 | 60 | 61 | 61 | 61 | 58 | 58 | 58   | 55.5    |      |
|                        | MIN      | 52           | 49 | 50 | 52 | 53 | 54 | 55 | 54 | 51 | 49 | 49 | 48 | 48 | 48 | 49 | 51 | 53 | 54 | 54 | 56 | 58 | 59 | 59 | 58 | 57 | 58 | 60 | 59 | 58 | 57 | 57   | 53.8    |      |
| 16 INCHES              | MAX      | 53           | 52 | 52 | 53 | 54 | 55 | 55 | 55 | 55 | 52 | 50 | 50 | 49 | 50 | 50 | 52 | 53 | 55 | 55 | 57 | 58 | 59 | 59 | 59 | 58 | 59 | 60 | 60 | 58 | 58 | 57   | 54.9    |      |
|                        | MIN      | 52           | 50 | 50 | 52 | 52 | 53 | 54 | 54 | 52 | 50 | 49 | 49 | 49 | 49 | 49 | 51 | 52 | 53 | 54 | 56 | 57 | 58 | 58 | 58 | 58 | 57 | 58 | 59 | 58 | 57 | 57   | 53.7    |      |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace Classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocoupls on recording Potentionster.

See Reference Notes Following Station Index

# SNOWFALL AND SNOW ON GROUND

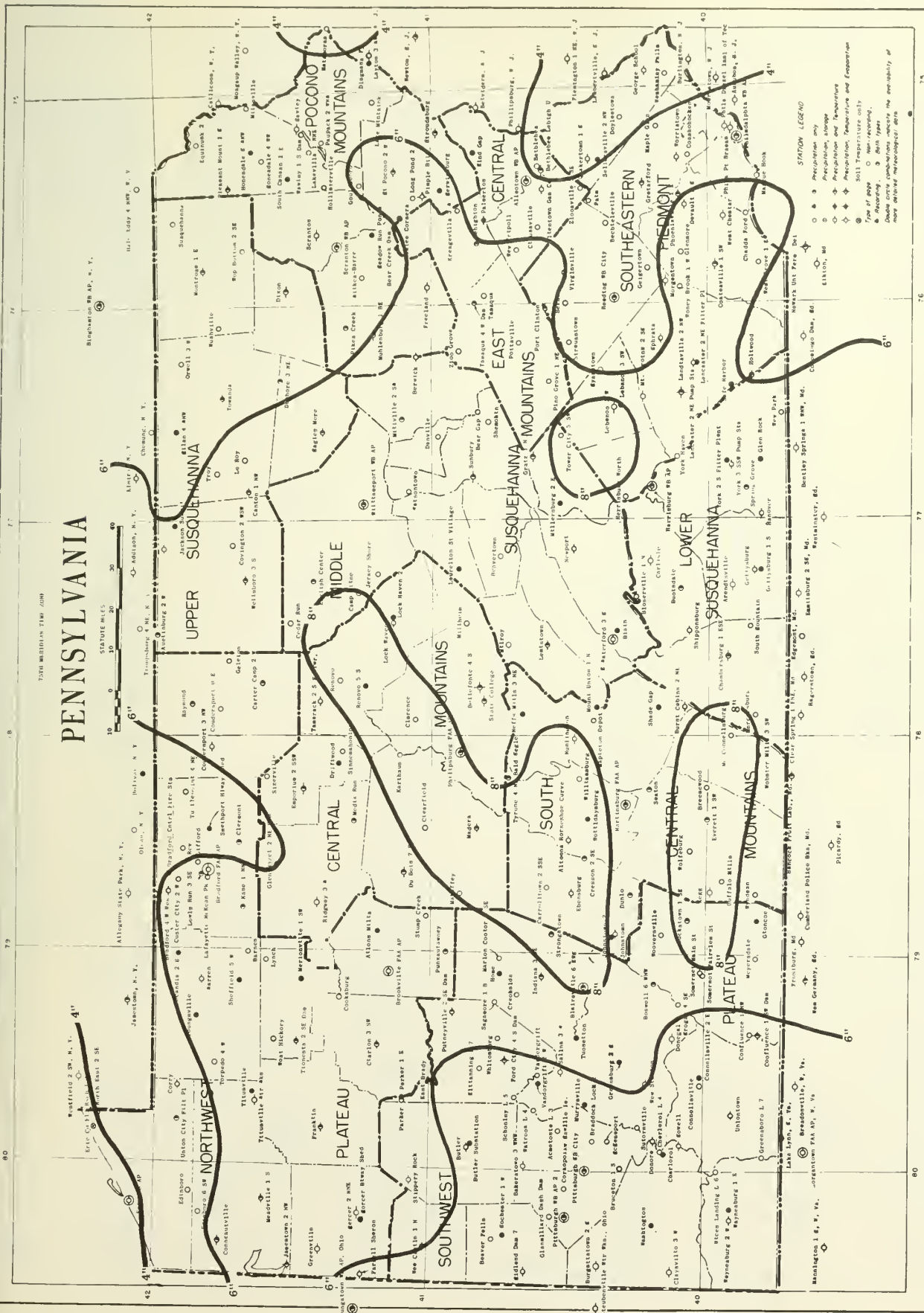
PENNSYLVANIA  
MAY 1960

| Station                |                       | Day of month |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|------------------------|-----------------------|--------------|---|---|---|---|---|---|---|---|----|----|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|                        |                       | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12      | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |
| BRADFORD FAA AIRPORT   | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  | T  | .2<br>T |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| BRADFORD 4 W RES       | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| BROOKVILLE FAA AIRPORT | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| CORRY                  | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| DU BOIS 7 E            | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| ERIE WB AIRPORT        | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   | T  |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| GALETON                | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| KANE 1 NNE             | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| MEADVILLE 1 S          | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| MEDIX RUN              | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| TAMARACK 2 S FIRE TWR  | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| TIONESTA 2 SE DAM      | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   |   |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

See reference notes following Station Index.

# TOTAL PRECIPITATION

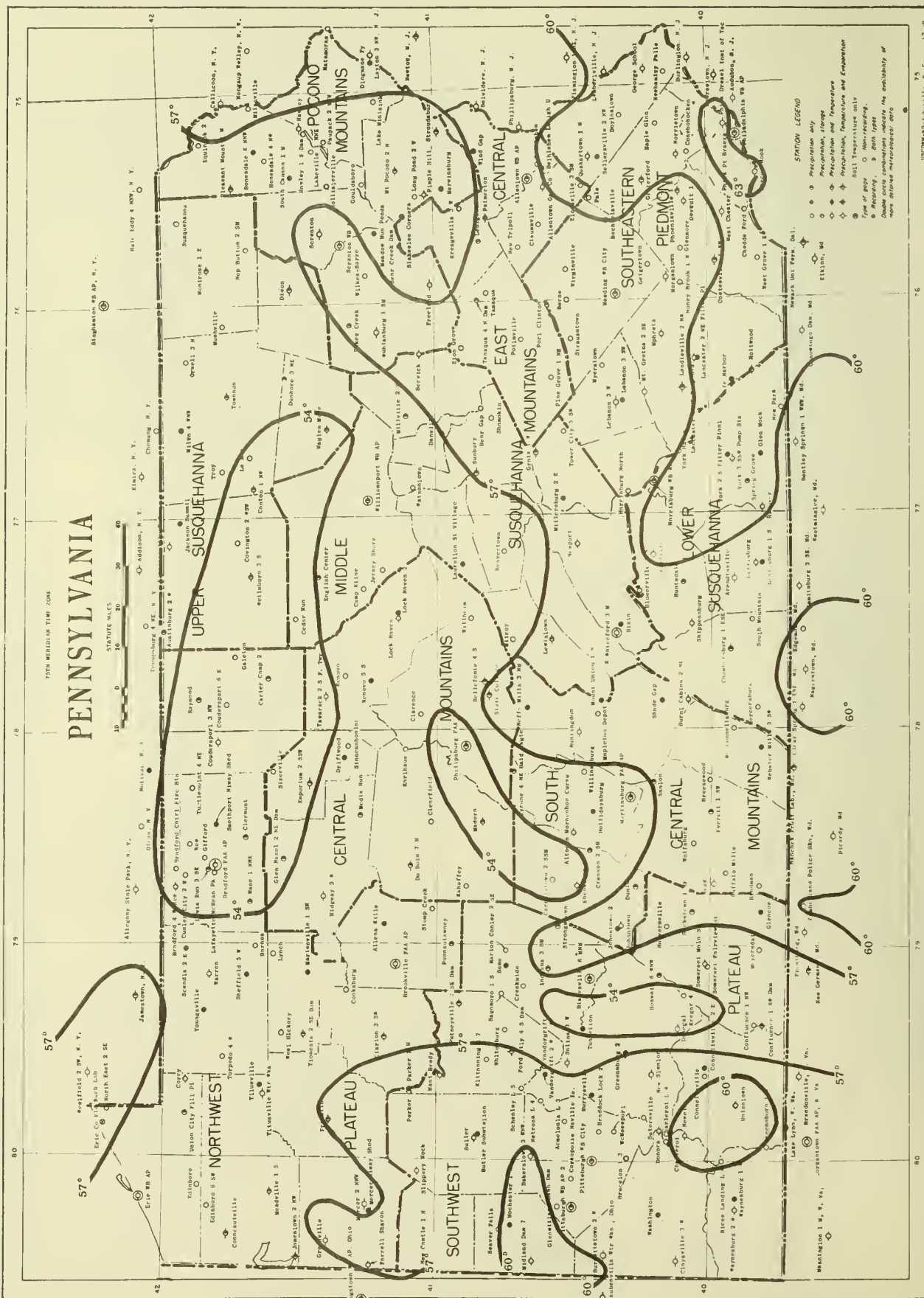
PENNSYLVANIA  
MAY 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
MAY 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

PENNSYLVANIA MAY 1960

Main table with columns: STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Contains station data for Pennsylvania.



551.05  
UNP

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JUNE 1960

Volume 65 No. 6



ASHEVILLE: 1960

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PENNSYLVANIA - JUNE 1960  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 94° on the 29th at Newell

Lowest Temperature: 30° on the 9+ at 3 stations

Greatest Total Precipitation: 8.30 inches at Pleasant Mount 1 W

Least Total Precipitation: 0.71 inch at Philadelphia WB Airport

Greatest One-Day Precipitation: 3.52 inches on the 18th at Tamaqua 4 N  
Dam











# DAILY PRECIPITATION

PENNSYLVANIA  
JUNE 1960

CONTINUED

| Station             | Total | Day of month |     |     |     |     |     |   |   |   |    |    |     |      |      |      |     |      |      |    |     |    |    |     |     |     |     |     |     |     |     |    |  |
|---------------------|-------|--------------|-----|-----|-----|-----|-----|---|---|---|----|----|-----|------|------|------|-----|------|------|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
|                     |       | 1            | 2   | 3   | 4   | 5   | 6   | 7 | 8 | 9 | 10 | 11 | 12  | 13   | 14   | 15   | 16  | 17   | 18   | 19 | 20  | 21 | 22 | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31 |  |
| WATSONTOWN          | 3.65  |              |     |     |     | .90 | .28 |   |   |   |    |    | .76 | .02  | 1.03 | T    |     | 1.04 | .12  |    |     |    | T  | T   | T   |     |     |     |     |     | .23 |    |  |
| WAYNESBURG 2 W      | 2.05  | .03          |     | .04 |     |     |     |   |   |   |    |    | .11 | 1.27 | .26  |      |     |      | .06  |    |     |    |    |     | .03 | .11 |     |     |     | .11 | .03 |    |  |
| WELLSBORO 3 S       | 3.31  | .03          |     | .02 |     |     | .07 |   |   |   |    |    | .14 | 1.53 | .33  | 1.11 |     | .14  | .29  |    | .13 |    |    | .01 | .62 | .74 |     |     |     | .13 |     |    |  |
| WEST CHESTER        | .74   |              |     |     | .02 |     |     |   |   |   |    |    | .03 | .64  | .04  |      |     | .03  | T    |    |     |    | T  |     |     |     |     |     |     |     |     |    |  |
| WEST GROVE 1 E      | 1.64  |              |     |     | T   |     |     |   |   |   |    |    | .05 | .75  | .06  | .24  | .16 |      | .04  |    |     |    |    |     |     |     |     |     |     |     |     |    |  |
| WEST HICKORY        | 3.93  | .03          | .01 |     |     |     |     |   |   |   |    |    | .12 | .15  | 1.10 | 1.08 |     | .03  | .26  |    | .12 |    |    |     | .25 | .10 |     |     |     | .33 | .35 |    |  |
| WHITESBURG          | 3.94  |              |     |     |     |     | T   |   |   |   |    |    | .99 | 2.80 | .36  | 2.22 |     |      |      |    |     |    |    |     |     |     |     |     |     | .19 |     |    |  |
| WILKES BARRE        | 3.52  | .17          |     | .03 | .01 |     | .04 |   |   |   |    |    | T   | 1.11 | .22  | .32  |     | .16  | 1.24 |    |     |    |    | .06 | .01 | .14 | .09 |     |     | .09 | T   |    |  |
| WILLIAMSBURG        | 3.18  |              |     | T   |     | .28 |     |   |   |   |    |    |     | 1.01 | .41  | 1.04 | T   |      | .12  |    |     |    |    |     | .11 | .06 |     |     | .09 | T   |     |    |  |
| WILLIAMSPORT WB AP  | 3.37  |              |     | T   |     | .81 |     |   |   |   |    |    | .83 | .18  | .89  |      |     | .37  | T    |    | T   | T  |    |     |     |     |     | .25 |     |     |     |    |  |
| WOLFSBURG           | 3.16  |              | .76 | .33 |     | .01 |     |   |   |   |    |    | .29 | .04  | .78  | .28  | .01 |      | .14  |    |     |    |    | .13 | .10 |     | .15 |     | .05 | .07 |     |    |  |
| YORK 3 SSW PUMP STA | 3.16  |              |     |     |     | .13 |     |   |   |   |    |    | .30 | .47  | .08  | .94  |     |      | 1.69 |    |     |    |    | .07 | .36 | .28 |     | .05 | .79 |     |     |    |  |
| YORK HAVEN          | 3.64  |              |     | .12 | .86 | .18 |     |   |   |   |    |    | T   | .43  | .53  | .47  | .02 |      | .70  |    |     |    |    | .05 | .13 | .13 |     | .15 |     |     |     |    |  |
| ZION GROVE          | 2.29  |              |     |     | .10 | .09 |     |   |   |   |    |    | .02 | .40  | .06  | .33  | .03 |      | 1.10 |    | .10 |    |    | .03 | .03 |     |     |     |     |     |     |    |  |
| ZIONSVILLE 3 SE     | 3.64  |              |     | .03 | .30 |     |     |   |   |   |    |    |     | .13  | .07  | 1.22 | .92 |      |      |    |     |    |    |     |     | .92 |     |     |     |     |     |    |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | WSW            | 12                              | 8.7                 | 39++         | WNW                       | 25                   | 82                                   | 81         | 54         | 61         | 3                                 | 5     | 5     | 2     | 0       | 0            | 15                           | -                                   | 5.4   |
| ERIE WB AIRPORT         | S              | 14                              | 10.9                | 31++         | WSW                       | 24                   | 77                                   | 75         | 60         | 61         | 4                                 | 4     | 5     | 1     | 0       | 0            | 14                           | -                                   | 5.0   |
| HARRISBURG WB AIRPORT   | W              | 11                              | 5.5                 | 34           | W                         | 5                    | 77                                   | 76         | 48         | 56         | 1                                 | 7     | 1     | 5     | 0       | 0            | 14                           | 62                                  | 5.4   |
| PHILADELPHIA WB AIRPORT | WSW            | 13                              | 7.6                 | 26           | N                         | 12                   | 78                                   | 75         | 55         | 60         | 6                                 | 4     | 2     | 0     | 0       | 0            | 12                           | 70                                  | 5.9   |
| PITTSBURGH WB AIRPORT 2 | SW             | 13                              | 7.8                 | 25++         | WSW                       | 24                   | 78                                   | 79         | 54         | 58         | 5                                 | 4     | 3     | 3     | 0       | 0            | 15                           | 71                                  | 6.0   |
| READING WB CITY         | -              | -                               | 9.2                 | 56           | SW                        | 24                   | -                                    | -          | -          | -          | 4                                 | 4     | 4     | 3     | 0       | 0            | 15                           | 63                                  | 5.5   |
| SCRANTON WB AIRPORT     | SW             | 12                              | 8.3                 | 34           | NW                        | 25                   | 79                                   | 81         | 53         | 57         | 4                                 | 4     | 5     | 3     | 0       | 0            | 16                           | 67                                  | 5.2   |
| WILLIAMSPORT WB AIRPORT | W              | 9                               | 7.9                 | 29           | WNW                       | 17+                  | 84                                   | 83         | 52         | 58         | 4                                 | 6     | 3     | 3     | 0       | 0            | 16                           | -                                   | 5.4   |

See Reference Notes Following Station Index

# MONTHLY AND SEASONAL SNOWFALL

Season of 1959 - 1960

PENNSYLVANIA

| Station                 | July | August | September | October | November | December | January | February | March | April | May | June | Total |
|-------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|-------|
| ACMETONIA LOCK 3        |      |        |           |         | 1.0      | -        | 2.0     | 14.4     | 27.3  | .3    |     |      | -     |
| ALLENTOWN WB AP R       |      |        |           |         | T        | 6.2      | 3.9     | 8.3      | 21.3  | T     |     |      | 39.7  |
| ALLENTOWN GAS CO        |      |        |           |         |          | 6.8      | 2.5     | 6.8      | 20.5  | T     |     |      | 36.6  |
| ALTOONA HORSESHOE CURVE |      |        |           |         | 1.4      | 11.1     | 7.0     | 24.4     | 21.1  | 1.0   |     |      | 66.0  |
| ARENDTSVILLE            |      |        |           |         |          | 5.0      | -       | 7.0      | 21.5  | T     |     |      | 33.5  |
| AUSTINBURG 2 W          |      |        |           |         | 3.0      | 12.0     | 3.0     | 20.0     | 6.0   | 8.0   |     |      | 52.0  |
| BAKERSTOWN 3 WNW        |      |        |           |         | 4.0      | 12.0     | 1.0     | 20.0     | 10.0  | T     |     |      | 47.0  |
| BARNES                  |      |        |           |         | 5.5      | 8.5      | 7.0     | 40.0     | 19.5  | 6.0   |     |      | 86.5  |
| BEAR CREEK DAM          |      |        |           |         | T        | 5.5      | 5.0     | -        | -     | 1.5   |     |      | -     |
| BEAR GAP                |      |        |           |         | T        | 7.0      | -       | -        | 19.0  | 25.0  |     |      | -     |
| BEAVER FALLS            |      |        |           |         | 1.5      | 11.0     | 2.9     | 23.8     | 13.7  | 1.1   |     |      | 54.0  |
| BEAVERTOWN              |      |        |           |         | T        | -        | 1.5     | 11.3     | 23.5  | T     |     |      | -     |
| BECHTELSVILLE           |      |        |           |         |          | 6.8      | 1.0     | 5.0      | 17.5  | -     |     |      | 30.3  |
| BELLEFONTE 4 S          |      |        |           |         |          | -        | -       | -        | 13.0  | -     |     |      | -     |
| BERNE                   |      |        |           |         |          | -        | 8       | 7.0      | 18.0  | T     |     |      | -     |
| BERWICK                 |      |        |           |         | T        | 6.5      | 1.3     | 5.7      | 17.4  | T     |     |      | 30.9  |
| BETHLEHEM               |      |        |           |         | T        | 5.6      | 3.0     | 8.5      | 18.0  | T     |     |      | 35.1  |
| BETHLEHEM LEHIGH UNIV   |      |        |           |         |          | -        | 3.5     | -        | 3.8   | T     |     |      | -     |
| BLAIRSVILLE 6 ENE       |      |        |           |         | 6.7      | -        | 15.0    | 51.8     | 31.2  | 4.7   |     |      | -     |
| BLOSERVILLE 1 N         |      |        |           |         |          | 5.5      | 1.0     | 15.0     | 19.2  | T     |     |      | 40.7  |
| BOSWELL 6 WNW           |      |        |           |         |          | 8.5      | -       | -        | -     | -     |     |      | -     |
| BOSWELL 1 SW            |      |        |           |         | T        | -        | -       | -        | -     | -     |     |      | -     |
| BRADDOCK LOCK 2         |      |        |           |         |          | -        | 8.5     | 18.0     | 21.5  | T     |     |      | -     |
| BRADFORD FAA AIRPORT    |      |        |           |         | T        | 11.1     | 7.4     | 12.2     | 31.6  | 11.3  |     | 8.2  | -     |
| BRADFORD CNTRL FIRE STA |      |        |           |         |          | -        | 14.0    | -        | -     | 16.3  |     |      | -     |
| BRAEFORD 4 W RES        |      |        |           |         |          | 13.4     | -       | -        | 49.0  | 27.3  |     |      | -     |
| BREEZEWOOD              |      |        |           |         |          | -        | -       | -        | 16.0  | 23.7  |     |      | -     |
| BROOKVILLE FAA AIRPORT  |      |        |           |         | T        | 4.3      | 8.5     | 4.8      | 20.0  | 15.4  |     |      | 54.2  |
| BRUCETON 1 S            |      |        |           |         |          | 2.5      | -       | 1.2      | 16.0  | 17.0  |     |      | -     |
| BUFFALO MILLS           |      |        |           |         |          | -        | 4.0     | -        | -     | -     |     |      | -     |
| BURGETTSTOWN 2 W        |      |        |           |         |          | -        | -       | -        | -     | 8.5   |     |      | -     |
| BURNT CABINS 2 NE       |      |        |           |         | T        | -        | -       | -        | 21.0  | T     |     |      | -     |
| BUTLER                  |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| CAMP HILL               |      |        |           |         |          | 5.5      | 1.0     | 8.5      | 17.0  | T     |     |      | 32.0  |
| CAMP KLINE              |      |        |           |         |          | -        | 4.0     | -        | 13.0  | 20.0  |     |      | -     |
| CANTON 1 NW             |      |        |           |         | T        | 16.5     | 5.7     | 22.2     | 12.5  | 2.0   |     |      | 58.9  |
| CARLISLE                |      |        |           |         |          | 3.0      | 3.0     | 4.5      | 8.0   | 20.0  |     |      | 31.5  |
| CARROLLTOWN 2 SSE       |      |        |           |         | 3.0      | 14.5     | 13.0    | 35.0     | 30.0  | 2.0   |     |      | 97.5  |
| CARTER CAMP 2 W         |      |        |           |         | T        | -        | -       | 6.0      | 23.0  | -     |     |      | -     |
| CEDAR RUN               |      |        |           |         |          | 7.0      | 5.0     | 13.0     | 14.0  | T     |     |      | 39.0  |
| CHADDS FORD             |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| CHAMBERSBURG 1 ESE      |      |        |           |         |          | 1.4      | 4.5     | 10.7     | 15.5  | T     |     |      | 28.1  |
| CHARLEROI LOCK 4        |      |        |           |         | 2.5      | 5.1      | 2.5     | 14.0     | 11.5  | T     |     |      | 35.6  |
| CLARENCE 1 E            |      |        |           |         |          | -        | -       | 2.8      | -     | -     |     |      | -     |
| CLARION 3 SW            |      |        |           |         | 3.3      | -        | 5.6     | 26.4     | 24.2  | 1.0   |     |      | -     |
| CLAUSSVILLE             |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| CLAYSVILLE 3 W          |      |        |           |         |          | -        | 3.0     | 23.3     | -     | T     |     |      | -     |
| CLEARFIELD              |      |        |           |         |          | -        | -       | -        | -     | T     |     |      | -     |
| CLERMONT                |      |        |           |         | T        | 9.0      | 14.0    | 21.0     | 38.0  | 24.8  |     |      | -     |
| COATESVILLE 1 SW        |      |        |           |         |          | -        | 11.2    | T        | -     | 14.4  |     |      | -     |
| CONFLUENCE 1 SW DAM     |      |        |           |         | 4.5      | 15.0     | 5.5     | 32.0     | 36.5  | 2.0   |     |      | 91.5  |
| CONFLUENCE 1 NW         |      |        |           |         | T        | 10.7     | 4.1     | 24.4     | 19.0  | 4.9   |     |      | 59.1  |
| CONNEAUTVILLE           |      |        |           |         |          | 1.0      | -       | 21.0     | 25.0  | -     |     |      | -     |
| CONNEAUTVILLE 6 E       |      |        |           |         |          | -        | -       | 29.0     | 39.0  | 8.5   |     |      | -     |
| CONNELLSVILLE           |      |        |           |         |          | -        | 3.0     | 28.9     | 9.9   | T     |     |      | -     |
| CONSHOHOCKEN            |      |        |           |         |          | 6.5      | -       | -        | 14.3  | T     |     |      | -     |
| COOKSBURG               |      |        |           |         |          | -        | -       | -        | 24.8  | 1.0   |     |      | -     |
| CORADPOLIS NEVILLE IS   |      |        |           |         |          | -        | -       | -        | 16.0  | -     |     |      | -     |
| CORRY                   |      |        |           |         | 29.5     | 17.7     | 50.9    | 70.6     | 42.7  | 12.8  |     |      | 224.2 |
| COUDERSPORT 3 NW        |      |        |           |         | 6.9      | 14.2     | 14.3    | 37.9     | 21.7  | 10.4  |     | 8.5  | 105.9 |
| COUDERSPORT 6 E         |      |        |           |         |          | -        | 9.0     | -        | 28.0  | -     |     |      | -     |
| COVINGTON 2 WSW         |      |        |           |         | T        | 12.0     | 2.8     | 19.0     | 12.0  | 2.0   |     |      | 47.8  |
| CREEKSIDE               |      |        |           |         | T        | 10.1     | 2.0     | 18.0     | 20.7  | 1.0   |     |      | 51.8  |
| CRESSON 2 SE            |      |        |           |         | 1        | -        | 6.0     | 23.0     | 25.0  | -     |     |      | -     |
| DANVILLE                |      |        |           |         |          | 7.0      | -       | 8.0      | 23.0  | -     |     |      | -     |
| DEVAULT 1 W             |      |        |           |         |          | -        | 1.3     | -        | -     | -     |     |      | -     |
| DIXON                   |      |        |           |         | 8.5      | -        | 6.8     | 14.1     | 16.5  | 2.1   |     |      | -     |
| DONEGAL                 |      |        |           |         |          | -        | -       | -        | -     | T     |     |      | -     |
| DONORA                  |      |        |           |         | 1.5      | 9.4      | 3.3     | 21.2     | 18.8  | T     |     |      | 54.2  |
| DOYLESTOWN              |      |        |           |         |          | -        | 1.3     | 4.5      | 8.5   | -     |     |      | -     |
| DU BOIS 7 E             |      |        |           |         | 2.0      | 9.5      | 7.0     | 28.0     | 22.5  | 2.5   |     |      | 71.5  |
| DUSHORE 3 NE            |      |        |           |         | 8.5      | -        | 3.0     | -        | -     | -     |     |      | -     |
| DUSHORE 2 SSW           |      |        |           |         |          | -        | -       | 32.8     | 26.0  | 2.0   |     |      | -     |
| EAGLES MERE             |      |        |           |         | T        | 22.0     | 7.0     | 5.8      | 30.2  | 5.0   |     |      | -     |
| EAST BRADY              |      |        |           |         | 4.0      | 10.5     | -       | 27.0     | 22.8  | -     |     |      | 70.1  |
| EBENSBURG               |      |        |           |         | 2.0      | 13.5     | 10.1    | 41.0     | 22.7  | 2.0   |     |      | 91.3  |
| EDINBORO                |      |        |           |         | 26.0     | 17.5     | 28.6    | 38.1     | 31.7  | 8.0   |     |      | 149.9 |
| EDINBORO 6 SW           |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| EMPORIUM 2 SSW          |      |        |           |         | 1.9      | 7.0      | 10.5    | 29.0     | 20.5  | 6.5   |     |      | 75.4  |
| ENGLISH CENTER          |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| EPHRATA                 |      |        |           |         |          | 7.0      | -       | -        | -     | -     |     |      | -     |
| EQUINUNK 2              |      |        |           |         | 1.0      | -        | 13.0    | 17.0     | 12.7  | -     |     |      | -     |
| ERIE WB AIRPORT         |      |        |           |         | 16.0     | 12.8     | 7.3     | 22.6     | 11.3  | 2.6   |     |      | 72.6  |
| EVERETT 1 SW            |      |        |           |         | 1        | 1.1      | -       | -        | 22.0  | -     |     |      | -     |
| FARRELL SHARON          |      |        |           |         |          | -        | -       | -        | -     | -     |     |      | -     |
| FORD CITY 4 S DAM       |      |        |           |         | 2.0      | 12.0     | 3.5     | 27.5     | 30.0  | 1.5   |     |      | 76.5  |
| FRANKLIN                |      |        |           |         | 3.0      | 11.5     | 10.5    | 31.5     | 27.0  | 4.5   |     |      | 88.0  |
| FREELAND                |      |        |           |         |          | 9.9      | 6.8     | -        | 30.4  | -     |     |      | -     |
| GALETON                 |      |        |           |         | T        | 2.4      | 9.4     | 24.2     | -     | 3.7   |     |      | -     |
| GEIGERTOWN              |      |        |           |         |          | 9.5      | T       | 7.0      | 19.0  | T     |     |      | 35.5  |
| GEORGE SCHOOL           |      |        |           |         |          | -        | 1.1     | 5.8      | 10.3  | -     |     |      | 28.5  |
| GETTYSBURG              |      |        |           |         | T        | 3.3      | T       | 10.3     | 20.0  | T     |     |      | 33.6  |
| GLEN HAZEL 2 NE DAM     |      |        |           |         | T        | 8.5      | 11.0    | 12.5     | 34.5  | 24.5  |     | 1.0  | 99.5  |
| GLENMOORE               |      |        |           |         |          | 13.5     | 2       | 5.5      | 14.4  | T     |     |      | 33.6  |
| GLENWILLARO DASH DAM    |      |        |           |         | 1.5      | -        | -       | -        | 18.3  | 2     |     |      | -     |

See Reference Notes Following Station Index



# MONTHLY AND SEASONAL SNOWFALL

CONTINUED

Season of 1959 - 1960

PENNSYLVANIA

| Station                | July | August | September | October | November | December | January | February | March | April | May  | June | Total |
|------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|------|------|-------|
| QUAKERTOWN 1 E         |      |        |           |         |          | 9.0      | 2.0     | 5.0      | -     |       |      |      | -     |
| RAYMOND                |      |        |           |         |          | -        | -       | -        | 14.0  | 17.0  | T    |      | -     |
| READING WB CITY R      |      |        |           |         |          | 7.3      | 5.5     | 7.2      | 16.4  | T     |      |      | 31.4  |
| RENOVO                 |      |        |           |         |          | T        | -       | -        | -     | -     |      |      | -     |
| REW                    |      |        |           |         |          | 12.0     | 15.3    | 10.5     | 40.5  | 16.0  | 12.0 |      | 106.3 |
| RICES LANOING L 6      |      |        |           |         |          | T        | -       | 1.0      | 16.9  | 18.0  | T    |      | -     |
| RIDGWAY 3 W            |      |        |           |         |          | 4.0      | 7.5     | 11.8     | 33.0  | 26.2  | 3.5  |      | 86.0  |
| RUSHVILLE              |      |        |           |         |          | T        | 10.2    | -        | 20.7  | -     |      |      | -     |
| SAGAMORE 1 S           |      |        |           |         |          | T        | -       | -        | -     | 28.2  | 5.5  |      | -     |
| SALINA 3 W             |      |        |           |         |          | T        | 10.0    | 3.8      | 21.8  | 20.8  | T    |      | 56.4  |
| SAXTON                 |      |        |           |         |          | T        | 2.0     | -        | 10.0  | 18.0  | 1.0  |      | -     |
| SCHENLEY LOCK 5        |      |        |           |         |          | T        | 7.5     | 1.0      | 15.5  | 20.5  | T    |      | 44.5  |
| SCRANTON               |      |        |           |         |          | T        | 5.5     | 6.1      | 18.5  | 17.4  | 4.0  |      | 51.5  |
| SCRANTON WB AIRPORT    |      |        |           |         |          | T        | 5.5     | 6.2      | 15.4  | 22.3  | 3.6  |      | 57.2  |
| SHAMOKIN               |      |        |           |         |          | T        | 9.2     | -        | -     | -     |      |      | -     |
| SHIPPENSBURG           |      |        |           |         |          |          | 2.0     | 1.0      | 12.5  | 22.5  | T    |      | 38.0  |
| SINNEHAHONING          |      |        |           |         |          | T        | 2.5     | 3.5      | 15.5  | 15.0  | 1.0  |      | 37.5  |
| SIZERVILLE             |      |        |           |         |          | T        | 2.0     | -        | -     | -     |      |      | -     |
| SLIPPERY ROCK          |      |        |           |         |          | T        | 6.0     | 25.5     | 25.5  | 1.0   |      |      | 72.3  |
| SOMERSET FAIRVIEW ST   |      |        |           |         |          | T        | 4.3     | 10.0     | 12.5  | 55.6  | 5.5  |      | 148.1 |
|                        |      |        |           |         |          |          | 2.5     | 17.5     | -     | -     | -    |      | -     |
| SOUTH MOUNTAIN         |      |        |           |         |          | T        | 6.0     | T        | -     | 26.4  | T    |      | -     |
| SPRINGBORO             |      |        |           |         |          | T        | -       | -        | -     | -     |      |      | -     |
| SPRING GROVE           |      |        |           |         |          | T        | 5.0     | 1.5      | 6.7   | 17.0  | T    |      | 28.7  |
| STATE COLLEGE          |      |        |           |         |          | T        | 4.3     | 1.5      | 22.1  | 19.5  | 4.4  |      | 47.8  |
| STRAUSTOWN             |      |        |           |         |          | T        | 12.2    | 4.4      | 5.4   | 22.2  |      |      | 40.2  |
| STROUSBURG             |      |        |           |         |          | T        | 4.4     | 6.2      | 14.5  | 26.9  | 1.4  |      | 63.9  |
| STUMP CREEK            |      |        |           |         |          | T        | 9.0     | 4.5      | 21.0  | 19.0  | 2.0  |      | 55.5  |
| SUNBURY                |      |        |           |         |          | T        | 6.0     | 1.0      | 11.0  | 14.0  |      |      | 32.0  |
| SUSQUEHANNA            |      |        |           |         |          | T        | 1.3     | 10.0     | 16.1  | 25.2  | 18.9 | 3.0  | 74.5  |
| SUTERSVILLE            |      |        |           |         |          | T        | 12.5    | 2.0      | -     | -     |      |      | -     |
| TAMAQUA                |      |        |           |         |          | T        | 8.0     | 3.0      | 8.5   | 24.5  | 4.5  |      | 44.5  |
| TAMAQUA 4 N OAM        |      |        |           |         |          | T        | -       | -        | -     | -     | T    |      | -     |
| TAMARACK 2 S FIRE TWR  |      |        |           |         |          | T        | 1.2     | 9.1      | 7.1   | 24.9  | 17.4 | 5.0  | 65.2  |
| TIONESTA 2 SE OAM      |      |        |           |         |          | T        | 8.5     | 10.0     | 9.0   | 34.0  | 26.0 | 4.5  | 92.0  |
| TITUSVILLE WATER WORKS |      |        |           |         |          | T        | -       | 13.0     | 19.3  | 36.8  | 28.0 |      | -     |
| TORPEDO 4 W            |      |        |           |         |          | T        | -       | 14.6     | 29.2  | 20.6  |      |      | -     |
| TOWANOA                |      |        |           |         |          | T        | 1.4     | 11.8     | 3.8   | 19.2  | 14.1 | 4.8  | 51.1  |
| TOWER CITY 5 SW        |      |        |           |         |          | T        | 5.5     | 1.5      | 10.5  | -     |      |      | -     |
| TROY                   |      |        |           |         |          | T        | 11.3    | -        | -     | 15.4  | 1.5  |      | -     |
| TURTLEPOINT 4 NE       |      |        |           |         |          | T        | -       | -        | -     | -     | T    |      | -     |
| TYRONE 4 NE BALD EAGLE |      |        |           |         |          | T        | 9.0     | 3.0      | 12.5  | 17.0  | T    |      | 41.5  |
| UNION CITY FILT PLANT  |      |        |           |         |          | T        | 8.6     | 9.9      | 27.1  | -     | -    |      | -     |
| UNIONTOWN              |      |        |           |         |          | T        | 1.0     | 8.5      | 4.0   | 29.2  | 14.3 | 4.3  | 57.3  |
| VANDERGRIFT            |      |        |           |         |          | T        | 4.5     | -        | 1.5   | 6.0   | 24.5 | T    | -     |
| VIRGINVILLE            |      |        |           |         |          | T        | -       | 1.5      | -     | -     |      |      | -     |
| WARREN                 |      |        |           |         |          | T        | 11.5    | 12.1     | 17.6  | 36.4  | 20.9 | 4.9  | 103.4 |
| WATSONTOWN             |      |        |           |         |          | T        | 8.0     | 2.2      | 15.4  | 25.4  | 1.7  |      | 52.7  |
| WAYNESBURG 2 W         |      |        |           |         |          | T        | -       | 1.2      | 21.3  | 18.0  | 1.0  |      | -     |
| WELLSBORO 3 S          |      |        |           |         |          | T        | 11.0    | 5.5      | 29.5  | 18.0  | 2.0  |      | 66.0  |
| WEST CHESTER           |      |        |           |         |          | T        | 9.0     | -        | -     | 13.0  |      |      | -     |
| WEST GROVE 1 E         |      |        |           |         |          | T        | -       | T        | -     | 18.5  |      |      | -     |
| WEST HICKORY           |      |        |           |         |          | T        | 5.0     | 8.0      | 8.0   | 25.0  | 24.0 |      | -     |
| WHITESBURG             |      |        |           |         |          | T        | -       | 10.5     | 3.0   | -     | 1.0  |      | -     |
| WILKES BARRE           |      |        |           |         |          | T        | 5.9     | 3.0      | 10.8  | 19.5  | 1.0  |      | 36.2  |
| WILLIAMSBURG           |      |        |           |         |          | T        | 1.5     | 6.0      | 2.9   | 19.0  | -    |      | -     |
| WILLIAMSPORT WB AP     |      |        |           |         |          | T        | 8.8     | 2.0      | 15.6  | 23.2  | 2.3  |      | 51.9  |
| WOLFSBURG              |      |        |           |         |          | T        | 2.5     | 4.8      | 11.0  | 25.0  | T    |      | 39.3  |
| YORK 3 SSW PUMP STA    |      |        |           |         |          | T        | 5.8     | T        | 10.1  | 18.4  |      |      | 34.3  |
| YORK HAVEN             |      |        |           |         |          | T        | 17.0    | 4.5      | 6.5   | 16.0  | T    |      | 40.0  |
| ZION GROVE             |      |        |           |         |          | T        | -       | -        | -     | 8.7   |      |      | -     |
| ZIONSVILLE 3 SE        |      |        |           |         |          | T        | 5.9     | 1.7      | 5.7   | 21.0  |      |      | 34.3  |

NOTE: Prior to March 12, 1960 some observers at stations labeled WB adjusted the observed water equivalent value to be consistent with that reported for the previous observation and intervening snowfall. On March 12 a general instruction was issued requesting that each water equivalent observation be recorded as measured.

See Reference Notes Following Station Index



Continued

DAILY TEMPERATURES

PENNSYLVANIA JUNE 1960

Table with columns for Station, Day Of Month (1-31), and Average. Rows include stations like FARRELL SHARON, FORO CITY 4 S DAM, FRANKLIN, etc.

See Reference Notes Following Station Index

DAILY TEMPERATURES

PENNSYLVANIA JUNE 1960

Continued

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like NEW CASTLE 1 N, NEWELL, NEWPORT, etc.

See Reference Notes Following Station Index





# MONTHLY AND SEASONAL HEATING DEGREE DAYS

CONTINUED

Season of 1959 - 1960

PENNSYLVANIA

| Station                | July | August | September | October | November | December | January | February | March | April | May | June | Total | Long-term means July-June |
|------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|-------|---------------------------|
| READING WB CITY R      | 0    | 0      | 43        | 250     | 633      | 856      | 932     | 846      | 985   | 283   | 142 | 1    | 4971  | 5060                      |
| RIDGWAY 3 W            | 6    | 8      | 132       | 419     | 830      | 1049     | 1134    | 1066     | 1380  | 452   | 307 | 78   | 6861  |                           |
| SALINA 3 W             | 4    | 3      | 104       | 373     | 749      | 932      | 1028    | 1041     | 1240  | 388   | 271 | 44   | 6177  |                           |
| SCRANTON               | 1    | 6      | 95        | 318     | 706      | 967      | 1076    | 983      | 1099  | 389   | 193 | 26   | 5859  |                           |
| SCRANTON WB AIRPORT    | 0    | 4      | 94        | 372     | 810      | 1012     | 1109    | 1024     | 1225  | 393   | 221 | 29   | 6293  |                           |
| SHIPPENSBURG           | 0    | 0      | 62        | 289     | 715      | 903      | 990     | 922      | 1062  | 294   | 190 | 14   | 5441  |                           |
| SLIPPERY ROCK          | 0    | 1      | 80        | 348     | 777      | 912      | 1071    | 1055     | 1221  | 363   | 243 | 36   | 6107  |                           |
| STATE COLLEGE          | 1    | 1      | 109       | 389     | 771      | 881      | 1084    | 1025     | 1207  | 381   | 249 | 32   | 6130  |                           |
| STROUOSBURG            | 2    | 23     | 107       | 393     | 763      | 1033     | 1118    | 969      | 1212  | 411   | 250 | 42   | 6323  |                           |
| SUNBURY                | 0    | 3      | 92        | 316     | 744      | 984      | 1026    | 925      | 1105  | 358   | 228 | 25   | 5806  |                           |
| TAMARACK 2 S FIRE TWR  |      |        |           | 505     | 923      | 1125     | 1258    | 1161     | 1334  | 495   | 363 |      |       |                           |
| TIONESTA 2 SE DAW      | 6    | 8      | 112       | 432     | 814      | 1055     | 1152    | 1078     | 1386  | 489   | 318 | 77   | 6927  |                           |
| TITUSVILLE WATER WORKS | 7    | 9      | 134       | 428     | 846      | 1027     | 1142    | 1079     | 1354  | 452   | 296 | 86   | 6860  |                           |
| TOWANDA                | 1    | 6      | 107       | 369     | 782      | 1029     | 1111    | 1010     | 1218  | 403   | 229 | 47   | 6312  |                           |
| UNIONTOWN              | 0    | 0      | 74        | 321     | 664      | 822      | 913     | 948      | 1094  | 300   | 179 | 10   | 5325  |                           |
| WARREN                 | 2    | 6      | 120       | 404     | 798      | 1002     | 1097    | 1046     | 1267  | 432   | 265 | 55   | 6494  |                           |
| WAYNESBURG 2 W         | 0    | 0      | 88        | 374     | 726      | 889      | 966     | 998      | 1169  | 331   | 223 | 30   | 5794  |                           |
| WELLSBORO 3 S          | 13   | 21     | 148       | 486     | 899      | 1112     | 1238    | 1129     | 1348  | 502   | 356 | 108  | 7360  |                           |
| WEST CHESTER           | 0    | 0      | 56        | 256     | 611      | 845      | 914     | 813      | 983   | 255   | 131 | 1    | 4865  |                           |
| WILLIAMSPORT WB AP     | 0    | 1      | 88        | 343     | 766      | 992      | 1042    | 941      | 1122  | 346   | 229 | 17   | 5887  | 5898                      |
| YORK 3 SSW PUMP STA    | 0    | 0      | 62        | 241     | 638      | 860      | 944     | 861      | 1043  | 265   | 158 | 11   | 5083  |                           |

See Reference Notes Following Station Index

# EVAPORATION AND WIND

PENNSYLVANIA  
JUNE 1960

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |              |               | Total<br>or<br>Avg |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|---------------|--------------------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30           | 31            |                    |
| BELLEFONTE 4 S      | EVAP | .18          | .30 | .29 | .25 | .35 | .35 | .30 | .20 | .25 | -   | .25 | .30 | .15 | -   | .30 | .25 | .30 | -   | .25 | .26 | .30 | .25 | .00 | .15 | .35 | .30 | .30 | .35 | -   | .25          | B7.82<br>197  |                    |
|                     | WIND | 10           | 7   | 6   | 8   | 6   | 7   | 8   | 0   | 3   | 3   | 4   | 5   | 4   | 3   | 8   | 10  | 11  | 8   | 5   | 5   | 4   | 6   | 5   | 4   | 7   | 20  | 3   | 6   | 12  | 9            |               |                    |
| CONFLUENCE 1 SW DAM | EVAP | .19          | .17 | .37 | .03 | .21 | .18 | .28 | .20 | .22 | .20 | .20 | .08 | .17 | .17 | .09 | .28 | .22 | .10 | .20 | .28 | .04 | .09 | .16 | .25 | .36 | .12 | .20 | .27 | .12 | 5.65<br>1317 |               |                    |
|                     | WIND | 68           | 24  | 23  | 21  | 77  | 35  | 61  | 43  | 31  | 33  | 25  | 46  | 55  | 16  | 54  | 55  | 53  | 70  | 38  | 31  | 51  | 40  | 22  | 36  | 81  | 69  | 31  | 30  | 57  |              | 41            |                    |
| FORD CITY 4 S DAM   | EVAP | .08          | .21 | .19 | .18 | .19 | .25 | .29 | .17 | .25 | .25 | .22 | .23 | .15 | .08 | -   | .12 | .28 | .20 | .10 | .17 | .24 | .15 | .10 | .13 | .15 | .21 | .34 | .23 | .30 | .19          | B5.84<br>1054 |                    |
|                     | WIND | 44           | 29  | 20  | 35  | 15  | 31  | 47  | 23  | 29  | 29  | 15  | 17  | 44  | 17  | 36  | 44  | 55  | 73  | 23  | 24  | 48  | 25  | 19  | 78  | 76  | 57  | 10  | 10  | 34  | 47           |               |                    |
| JAMESTOWN 2 NW      | EVAP | .01          | .20 | .14 | .20 | .26 | .18 | .21 | .15 | .23 | .23 | .22 | .19 | .06 | .05 | .13 | .11 | .28 | .08 | .10 | .16 | .22 | .21 | .09 | .11 | .24 | .22 | .21 | .21 | .20 | .19          | 5.09<br>688   |                    |
|                     | WIND | 13           | 9   | 20  | 33  | 13  | 20  | 32  | 20  | 30  | 27  | 5   | 34  | 0   | 11  | 29  | 29  | 73  | 17  | 21  | 9   | 33  | 16  | 12  | 24  | 51  | 14  | 9   | 12  | 43  | 29           |               |                    |
| LANDISVILLE 2 NW    | EVAP | .29          | .25 | .30 | .25 | .10 | .21 | .09 | .43 | .23 | .30 | .23 | -   | .08 | .03 | -   | .37 | .28 | .31 | .28 | .25 | .34 | .17 | .11 | .09 | .32 | -   | .28 | .31 | .37 | .17          | B7.16<br>1580 |                    |
|                     | WIND | 94           | 48  | 58  | 72  | 29  | 61  | 35  | 42  | 33  | 49  | 36  | 32  | 14  | 31  | 74  | 38  | 66  | 108 | 73  | 85  | 40  | 29  | 34  | 15  | 107 | 83  | 15  | 41  | 80  | 58           |               |                    |

# DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time      | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | Average      |
|-------------------------|-----------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--------------|
|                         |           | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31           |              |
| ERIE CO FIELD RSCH LAB  | 8 INCHES  | MAX          | 63 | 65 | 67 | 70 | 70 | 70 | 69 | 70 | 70 | 72 | 73 | 72 | 68 | 69 | 68 | 70 | 70 | 67 | 67 | 68 | -  | -  | -  | -  | -  | -  | -  | -  | 72 | 72           | 69.2<br>65.2 |
|                         |           | MIN          | 56 | 61 | 63 | 65 | 67 | 65 | 64 | 65 | 65 | 67 | 69 | 68 | 65 | 66 | 65 | 65 | 67 | 64 | 63 | 64 | -  | -  | -  | -  | -  | -  | -  | -  | 70 | 70           |              |
| LANDISVILLE 2 NW        | 8 AM      | 60           | 61 | 65 | 68 | 65 | 67 | 63 | 60 | 61 | 61 | 62 | 68 | 64 | 64 | 65 | 62 | 68 | 68 | 64 | 66 | 65 | 66 | 66 | 68 | 64 | 63 | 65 | 66 | 69 | 69 | 64.8         |              |
| STATE COLLEGE 2         | 2 INCHES  | MAX          | 73 | 76 | 75 | 80 | 80 | 77 | 79 | 80 | 79 | 78 | 80 | 69 | 70 | 68 | 69 | 77 | 77 | 72 | 77 | 78 | 75 | 70 | 74 | 76 | 73 | 82 | 84 | 83 | 80 | 76           | 76.2<br>62.6 |
|                         |           | MIN          | 56 | 57 | 64 | 63 | 66 | 65 | 60 | 58 | 59 | 59 | 60 | 61 | 63 | 65 | 64 | 61 | 65 | 64 | 61 | 63 | 73 | 64 | 65 | 65 | 60 | 59 | 62 | 64 | 66 | 67           |              |
|                         | 4 INCHES  | MAX          | 68 | 71 | 72 | 76 | 76 | 74 | 74 | 75 | 74 | 74 | 68 | 67 | 66 | 67 | 72 | 74 | 69 | 73 | 73 | 72 | 68 | 71 | 73 | 68 | 76 | 77 | 77 | 75 | 72 | 71.2<br>63.0 |              |
|                         |           | MIN          | 57 | 58 | 63 | 63 | 66 | 66 | 61 | 60 | 61 | 61 | 61 | 63 | 64 | 64 | 62 | 65 | 64 | 62 | 64 | 64 | 64 | 65 | 65 | 62 | 60 | 64 | 65 | 67 | 67 |              |              |
|                         | 8 INCHES  | MAX          | 63 | 66 | 68 | 70 | 71 | 70 | 69 | 70 | 70 | 69 | 69 | 67 | 66 | 65 | 66 | 68 | 70 | 68 | 69 | 70 | 69 | 67 | 68 | 69 | 67 | 71 | 72 | 73 | 71 | 70           | 68.7<br>64.0 |
|                         |           | MIN          | 58 | 59 | 63 | 64 | 66 | 66 | 63 | 62 | 63 | 63 | 63 | 65 | 64 | 64 | 63 | 63 | 64 | 64 | 63 | 63 | 64 | 64 | 63 | 66 | 65 | 64 | 63 | 65 | 66 | 67           |              |
|                         | 12 INCHES | MAX          | 60 | 62 | 64 | 66 | 67 | 67 | 66 | 66 | 66 | 66 | 66 | 65 | 64 | 64 | 64 | 65 | 66 | 66 | 66 | 67 | 67 | 66 | 65 | 66 | 66 | 66 | 67 | 68 | 68 | 68           | 65.7<br>63.6 |
|                         |           | MIN          | 58 | 59 | 61 | 63 | 64 | 65 | 64 | 63 | 63 | 63 | 63 | 64 | 64 | 63 | 63 | 63 | 64 | 64 | 63 | 66 | 65 | 64 | 64 | 64 | 65 | 64 | 63 | 65 | 66 | 67           |              |
|                         | 16 INCHES | MAX          | 58 | 60 | 62 | 63 | 65 | 65 | 65 | 65 | 65 | 65 | 64 | 64 | 64 | 63 | 63 | 64 | 65 | 65 | 64 | 65 | 66 | 65 | 65 | 65 | 65 | 65 | 65 | 67 | 67 | 67           | 64.4<br>63.1 |
|                         |           | MIN          | 57 | 58 | 60 | 62 | 63 | 64 | 63 | 63 | 63 | 63 | 63 | 64 | 63 | 63 | 63 | 62 | 64 | 64 | 63 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 63 | 64 | 65 | 66           |              |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapee and native weede. Instrumentation: Teylor recording thermometer.

Landieville 2 NW - Slope of Ground: Gentle elope to the weet. Soil Type: Duffield clay loam. Ground Cover: Permanent blue graes eod which is kept clipped to e height of 2 inches. Instrumentation: Weeton Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to e height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DELAYED DATA

| Station        | Temperature     |                 |         |                                |         |      |        |      |             |            | Precipitation |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
|----------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|------------|---------------|--------------|--------------|-------|--------------------------------|-------------|------|--------------|-------------|-------|---------------------|------|------------|------------|-------------|
|                | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No of Days |               |              |              | Total | Departure From Long Term Means | Greater Day | Date | Snow, Sleet  |             |       | No of Days          |      |            |            |             |
|                |                 |                 |         |                                |         |      |        |      |             | Max        | Min           | 92° or Above | 50° or Below |       |                                |             |      | 32° or Below | 0° or Below | Total | Max Depth on Ground | Date | 10 or More | 50 or More | 100 or More |
|                |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| AUGUST 1959    |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 88.3M           | 60.1M           | 74.2M   | 3.5                            | 95      | 27+  | 44     | 3    | 0           | 14         | 0             | 0            | 0            | 4.67  | 1.27                           | .97         | 24   |              |             |       |                     |      | 7          | 5          | 0           |
| SEPTEMBER 1959 |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 81.6M           | 49.2M           | 65.4M   | 1.3                            | 96      | 9    | 28     | 19+  | 115         | 7          | 0             | 4            | 0            | .32   | - 2.76                         | .11         | 30   |              |             |       |                     |      | 2          | 0          | 0           |
| OCTOBER 1959   |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 66.5M           | 42.1M           | 54.3M   | .7                             | 87      | 7    | 23     | 29   | 360         | 0          | 0             | 6            | 0            | 8.17  | 5.12                           | 1.93        | 1    |              |             |       |                     |      | 9          | 4          | 4           |
| NOVEMBER 1959  |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 51.6M           | 28.8M           | 40.2M   | - 1.4                          | 73      | 6    | 9      | 18   | 738         | 0          | 1             |              | 0            | 3.24  | .39                            | .77         | 27   |              |             |       |                     |      | 9          | 2          | 0           |
| DECEMBER 1959  |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 43.1M           | 24.6M           | 33.9M   | 2.1                            | 57      | 28   | - 2    | 23   | 961         | 0          | 4             |              | 1            | 2.34  | - .43                          | .71         | 12   |              |             |       |                     |      | 9          | 1          | 0           |
| JANUARY 1960   |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| BUTLER         | 39.7M           | 22.9M           | 31.3M   | .5                             | 58      | 14+  | 3      | 25   | 1045        | 0          | 7             | 23           | 0            | 2.55  | - .46                          | .94         | 13   |              |             |       |                     |      | 6          | 2          | 0           |
| MERCERSBURG    | 40.3            | 24.8            | 32.6    |                                | 54      | 16   | 11     | 25   | 997         | 0          | 3             | 29           | 0            | 2.47  | - .22                          | .67         | 3    | .0           | 0           |       |                     |      | 6          | 2          | 0           |
| FEBRUARY 1960  |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| MERCERSBURG    | 40.8            | 24.5            | 32.7    |                                | 62      | 11   | 15     | 16+  | 933         | 0          | 5             | 27           | 0            | 3.81  | 1.63                           | 1.55        | 19   | 7.0          | 4           | 19+   |                     | 6    | 3          | 2          |             |
| APRIL 1960     |                 |                 |         |                                |         |      |        |      |             |            |               |              |              |       |                                |             |      |              |             |       |                     |      |            |            |             |
| MT POCONO      | 60.3            | 38.3            | 49.3    | 5.8                            | 83      | 24   | 23     | 11   | 476         | 0          | 0             | 11           | 0            | 4.53  | .29                            |             |      |              |             |       |                     |      |            |            |             |

## DAILY PRECIPITATION

| Station        | Day of month |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      | Total |
|----------------|--------------|-----|-----|------|-----|------|------|------|---|-----|-----|-----|-----|-----|----|-----|------|----|-----|-----|-----|-----|------|------|-----|------|-----|-----|------|------|------|-------|
|                | 1            | 2   | 3   | 4    | 5   | 6    | 7    | 8    | 9 | 10  | 11  | 12  | 13  | 14  | 15 | 16  | 17   | 18 | 19  | 20  | 21  | 22  | 23   | 24   | 25  | 26   | 27  | 28  | 29   | 30   | 31   |       |
| AUGUST 1959    |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BUTLER         |              |     |     |      | .84 |      | .34  |      |   |     |     |     |     |     |    | .30 | .02  |    |     |     |     |     |      | .97  |     |      |     | .81 | .81  | .58  | 4.67 |       |
| CAMP HILL      |              |     |     | .96  | T   |      | 2.42 |      |   |     |     |     |     |     |    | .14 |      |    |     |     | .15 | .52 | .26  |      | .52 | T    |     | .50 | .09  | 5.56 |      |       |
| SEPTEMBER 1959 |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BUTLER         | T            | .03 | .02 |      |     |      |      |      |   | .06 |     |     |     |     |    |     |      |    |     |     |     | T   |      |      | T   |      |     | .10 | .11  | .32  |      |       |
| CAMP HILL      |              | .32 |     |      |     |      |      |      |   | T   | .05 |     |     |     |    | .03 |      |    |     |     |     |     |      |      |     |      |     | .52 |      | .92  |      |       |
| OCTOBER 1959   |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BUTLER         | 1.93         | T   |     | .25  | .08 | 1.74 |      | 1.29 |   |     |     | .38 |     |     |    |     | T    |    |     |     |     |     | .04  | 1.78 |     | .11  | .15 |     | .42  | 8.17 |      |       |
| CAMP HILL      | .97          |     |     |      |     |      | .85  |      |   |     |     | .45 |     |     |    |     |      |    |     |     |     | .02 | 1.05 | 1.20 | .10 |      | .15 |     |      | 4.79 |      |       |
| NOVEMBER 1959  |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BUTLER         |              | .55 | .28 | .19  | T   | T    |      | T    |   |     | .13 | .01 | .39 | .09 |    |     |      |    | .01 | .03 |     | T   | .34  | .22  |     | .77  | .17 | .06 | 3.24 |      |      |       |
| CAMP HILL      | .24          |     | .18 | .45  |     |      |      |      |   |     | .52 | .08 | .38 |     |    |     |      |    |     | .02 | .30 | .23 |      |      |     |      | .80 |     | 3.20 |      |      |       |
| DECEMBER 1959  |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BUTLER         | .10          | T   | T   |      |     | .09  | .25  |      |   | .71 | .25 | .12 | .09 |     |    |     |      |    | .20 | .11 |     |     |      | .03  | .18 | .17  | .04 | T   | 2.34 |      |      |       |
| JANUARY 1960   |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| BREEZEWOOD     |              | .08 | .61 |      |     | T    |      |      |   | .36 | .29 | T   | .10 | T   |    | .48 | .12  | T  |     |     |     |     |      |      |     | .02  | .03 |     | 2.09 |      |      |       |
| BUTLER         | T            | T   | .83 |      |     |      |      |      |   | T   | .10 | .94 | .04 | .31 | T  | .14 | .05  | T  | T   |     | .01 | .01 |      |      |     | T    | .11 | .01 | 2.55 |      |      |       |
| MERCERSBURG    |              |     | .67 |      |     |      | .01  |      |   |     | .48 | .04 | .55 |     |    | .15 | .45  |    |     |     |     |     |      |      |     |      | .12 | T   | 2.47 |      |      |       |
| FEBRUARY 1960  |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| CHADDS FORD    |              |     |     | .92  |     |      | .02  | .99  |   | .20 | .02 |     |     |     |    |     | 1.26 |    |     |     | .04 |     |      |      | .79 |      |     |     | 4.24 |      |      |       |
| MERCERSBURG    |              |     |     | 1.00 |     |      | .20  |      |   | .81 |     |     |     |     |    |     | 1.55 |    |     |     |     |     |      |      | .30 |      | .15 |     | 3.81 |      |      |       |
| APRIL 1960     |              |     |     |      |     |      |      |      |   |     |     |     |     |     |    |     |      |    |     |     |     |     |      |      |     |      |     |     |      |      |      |       |
| MT POCONO      |              | .33 | *   | *    | *   | 2.55 | .19  |      |   |     |     |     |     |     |    | .21 |      |    |     |     |     |     |      |      |     | 1.25 |     |     | 4.53 |      |      |       |

See Reference Notes Following Station Index

## DAILY TEMPERATURES

PENNSYLVANIA  
DELAYED DATA

| Station        | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |  |  |  |
|----------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--|--|--|
|                | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |  |  |  |
| AUGUST 1959    |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          | 87 | 88 | 86 | 87 | 82 | 85 | 86 |    |    |    |    | 82 | 82 | 85 | 89 | 91 | 95 | 94 |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          | 55 | 50 | 44 | 61 | 65 | 56 | 58 | 63 |    |    |    |    | 58 | 56 | 56 | 61 | 62 | 59 |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| SEPTEMBER 1959 |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          | 87 | 93 | 84 | 85 | 90 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          | 62 | 69 | 61 | 48 | 49 |    |    |    | 56 | 92 | 96 | 94 | 85 | 70 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| OCTOBER 1959   |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          | 75 | 69 | 77 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          | 61 | 56 | 45 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| NOVEMBER 1959  |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          |    | 59 | 49 | 55 | 69 | 73 | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          |    | 35 | 26 | 34 | 53 | 38 | 29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| DECEMBER 1959  |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          | 35 | 44 | 47 | 42 | 54 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          | 26 | 23 | 27 | 29 | 28 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| JANUARY 1960   |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| BUTLER         | MAX          | 32 | 44 | 41 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
|                | MIN          | 19 | 22 |    | 22 | 20 | 16 | 27 | 32 | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| FEBRUARY 1960  |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| MERCERSBURG    | MAX          | 38 | 42 | 47 | 47 | 35 | 42 | 43 | 38 | 45 | 44 | 52 | 46 | 33 | 38 | 41 | 54 | 37 | 40 | 36 | 35 | 31 | 27 | 29 | 36 | 34 | 40 | 50 | 42 | 43 | 49 | 35      |  |  |  |
|                | MIN          | 21 | 15 | 18 | 28 | 26 | 27 | 28 | 28 | 27 | 21 | 32 | 27 | 27 | 32 | 35 | 27 | 27 | 28 | 32 | 26 | 18 | 17 | 20 | 18 | 11 | 12 | 25 | 27 | 35 | 32 | 22      |  |  |  |
| MERCERSBURG    |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| MERCERSBURG    | MAX          | 38 | 45 | 36 | 42 | 48 | 43 | 54 | 43 | 40 | 60 | 62 | 55 | 37 | 31 | 25 | 32 | 39 | 48 | 40 | 30 | 33 | 32 | 37 | 38 | 42 | 37 | 38 | 38 | 39 |    |         |  |  |  |
|                | MIN          | 28 | 28 | 15 | 16 | 19 | 21 | 34 | 27 | 28 | 30 | 41 | 28 | 25 | 18 | 17 | 15 | 25 | 22 | 27 | 22 | 23 | 24 | 26 | 22 | 27 | 27 | 27 | 24 | 25 |    |         |  |  |  |
| APRIL 1960     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |  |  |
| MT POCONO      | MAX          | 50 | 44 | 38 | 64 | 57 | 40 | 39 | 46 | 39 | 35 | 48 | 60 | 57 | 76 | 77 | 73 | 73 | 63 | 51 | 62 | 69 | 72 | 82 | 83 | 82 | 72 | 67 | 58 | 66 | 65 |         |  |  |  |
|                | MIN          | 36 | 31 | 31 | 35 | 30 | 24 | 28 | 28 | 27 | 27 | 23 | 39 | 35 | 38 | 58 | 52 | 43 | 39 | 29 | 28 | 40 | 56 | 47 | 43 | 65 | 54 | 47 | 35 | 36 | 46 |         |  |  |  |

See reference notes following Station Index.

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
CORRECTED DATA

| Station                 | Temperature        |                    |         |                                      |         |      |        |      |             |                 | Precipitation   |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
|-------------------------|--------------------|--------------------|---------|--------------------------------------|---------|------|--------|------|-------------|-----------------|-----------------|-----------------|----------------|-------|--------------------------------------|--------------|------|-------------|------------------------|-----|-------------|------------|-------------|
|                         | Average<br>Maximum | Average<br>Minimum | Average | Deviation<br>From Long<br>Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days     |                 |                 |                | Total | Departure<br>From Long<br>Term Means | Greatest Day | Date | Snow, Sleet |                        |     | No. of Days |            |             |
|                         |                    |                    |         |                                      |         |      |        |      |             | Max             |                 | Min             |                |       |                                      |              |      | Total       | Max Depth<br>on Ground | Ice | 10 or More  | 50 or More | 100 or More |
|                         |                    |                    |         |                                      |         |      |        |      |             | 90° or<br>Above | 32° or<br>Below | 32° or<br>Above | 0° or<br>Below |       |                                      |              |      |             |                        |     |             |            |             |
| APRIL 1960              |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| POCOMO MOUNTAIN         |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| FREELAND                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| HAWLEY                  | AM                 |                    |         |                                      |         | 20   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PLEASANT MOUNT 1 W      | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
|                         |                    |                    |         |                                      |         | 17   | 19+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EAST CENTRAL MOUNTAINS  |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PALMERTON               |                    |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PORT CLINTON            | AM                 |                    |         |                                      |         | 22   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| SOUTHEASTERN PIEDMONT   |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| COATESVILLE 1 SW        |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| COATESVILLE 1 SW        | AM                 |                    |         |                                      |         | 28   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DEVAULT 1 W             |                    |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EPHRATA                 |                    |                    |         |                                      |         | 29   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| GEORGE SCHOOL           | AM                 |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| HOLTWOOD                |                    |                    |         |                                      |         | 30   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LANCASTER 2NE PUMP STA  |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LANCASTER 2NE PUMP STA  |                    |                    |         |                                      |         | 28   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LANDISVILLE 2 NW        | AM                 |                    |         |                                      |         | 26   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LEBANON 3 W             | AM                 |                    |         |                                      |         | 24   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MARCUS BOOK             |                    |                    |         |                                      |         | 32   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MORGANTOWN              |                    |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MT GREYNA 2 SE          |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MT GREYNA 2 SE          |                    |                    |         |                                      |         | 29   | 9      |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MORRISTOWN              |                    |                    |         |                                      |         | 30   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PHIL DREXEL INST OF TEC |                    |                    |         |                                      |         | 32   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PHILADELPHIA PT BREEZE  |                    |                    |         |                                      |         | 34   | 10     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PHOENIXVILLE 1 E        |                    |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| QUAKERTOWN 1 E          |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| QUAKERTOWN 1 E          |                    |                    |         |                                      |         | 28   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LOWER SUSQUEHANNA       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CARLISLE                |                    |                    |         |                                      |         | 27   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CHAMBERSBURG 1 ESE      |                    |                    |         |                                      |         | 24   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| GETTYSBURG              | AM                 |                    |         |                                      |         | 27   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| HANOVER                 | AM                 |                    |         |                                      |         | 27   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| HARRISBURG WB AP        | R                  |                    |         |                                      |         | 29   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MERCERSBURG             | AM                 |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MIDDLE SUSQUEHANNA      |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| ENGLISB CENTER          |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| ENGLISB CENTER          | AM                 |                    |         |                                      |         | 18   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| GRATZ 1 N               | AM                 |                    |         |                                      |         | 24   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LEWISTOWN               | AM                 |                    |         |                                      |         | 26   | 12+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MILLVILLE 2 SW          | AM                 |                    |         |                                      |         | 24   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| NEWPORT                 | AM                 |                    |         |                                      |         | 24   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| UPPER SUSQUEHANNA       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CANTON 1 NW             |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CANTON 1 NW             | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DIXON                   | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EAGLES MERE             | AM                 |                    |         |                                      |         | 21   | 12+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LAWRENCEVILLE 2 S       |                    |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MONTROSE                | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CENTRAL MOUNTAINS       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DU BOIS 7 E             |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DU BOIS 7 E             |                    |                    |         |                                      |         | 20   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EMPORIUM 2 SSW          | AM                 |                    |         |                                      |         | 16   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| LOCK HAVEN              | AM                 |                    |         |                                      |         | 23   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MADERA                  | AM                 |                    |         |                                      |         | 16   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PHILIPSBURG FAA AP      |                    |                    |         |                                      |         | 22   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| SOUTH CENTRAL MOUNTAINS |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EBENSBURG               |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EBENSBURG               |                    |                    |         |                                      |         |      | 11+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| EVERETT 1 SW            |                    |                    |         |                                      |         | 28   | 11+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| HUNTINGDON              | AM                 |                    |         |                                      |         | 19   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| JOHNSTOWN               | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| KEGG                    |                    |                    |         |                                      |         | 23   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| SOUTHWEST PLATEAU       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CLAYSVILLE 3 W          |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CLAYSVILLE 3 W          |                    |                    |         |                                      |         | 16   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CONFLUENCE 1 SW DAM     | AM                 |                    |         |                                      |         | 21   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DONEGAL                 |                    |                    |         |                                      |         | 16   | 11+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| DONORA                  |                    |                    |         |                                      |         | 23   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| FORD CITY 4 S DAM       | AM                 |                    |         |                                      |         | 23   | 10     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| INDIANA 3 SE            |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| INDIANA 3 SE            |                    |                    |         |                                      |         | 19   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| MIDLAND DAM 7           |                    |                    |         |                                      |         | 25   | 6      |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| NEW CASTLE 1 N          |                    |                    |         |                                      |         | 25   | 19+    |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| NEWELL                  | AM                 |                    |         |                                      |         | 25   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| NEW STANTON             |                    |                    |         |                                      |         | 20   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PUTNEYVILLE 2 SE DAM    |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| PUTNEYVILLE 2 SE DAM    | AM                 |                    |         |                                      |         | 17   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| NORTHWEST PLATEAU       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CLARION 3 SW            |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |
| CLARION 3 SW            |                    |                    |         |                                      |         | 17   | 11     |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |     |             |            |             |

See Reference Notes Following Station Index

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
CORRECTED DATA

CONTINUED

| Station          | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
|------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|--------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|-------------|------------|-------------|-----|-----|--|
|                  | Average Maximum | Average Minimum | Average | Deviation from Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |               |              | Total | Deviation From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No. of Days |            |             |     |     |  |
|                  |                 |                 |         |                                |         |      |        |      |             | 90° or Above | 32° or Below | 32° or Below  | 32° or Below |       |                                |              |      | Total       | Max. Depth on Ground | Date | .10 or More | 50 or More | 100 or More |     |     |  |
|                  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             | Max | Min |  |
| CONNEAUTVILLE    |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| CORRY            |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| COUDERSPORT 3 NW |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| EAST BRADY       |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| FARRELL SHARON   |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| FRANKLIN         |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| GREENVILLE       |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| JAMESTOWN 2 NW   |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| KANE 1 NNE       | AM              |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| MEADVILLE 1 S    | AM              |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |
| MERCER 2 NNE     |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                      |      |             |            |             |     |     |  |

### CORRECTIONS

MONTH: DECEMBER 1959

Delayed Data:  
State College

Evaporation and Wind Record published under Delayed Data should be identified as May 1958.

MONTH: MARCH 1960

Daily Precipitation Table:  
Galeton  
Kegg

Amount on the 1st should be trace; monthly total should be 1.69.  
Amount on the 30th should be \*.

MONTH: APRIL 1960

Daily Temperature Table:  
Freeland

Minimum temperature on 26th should be 53.

MONTH: MAY 1960

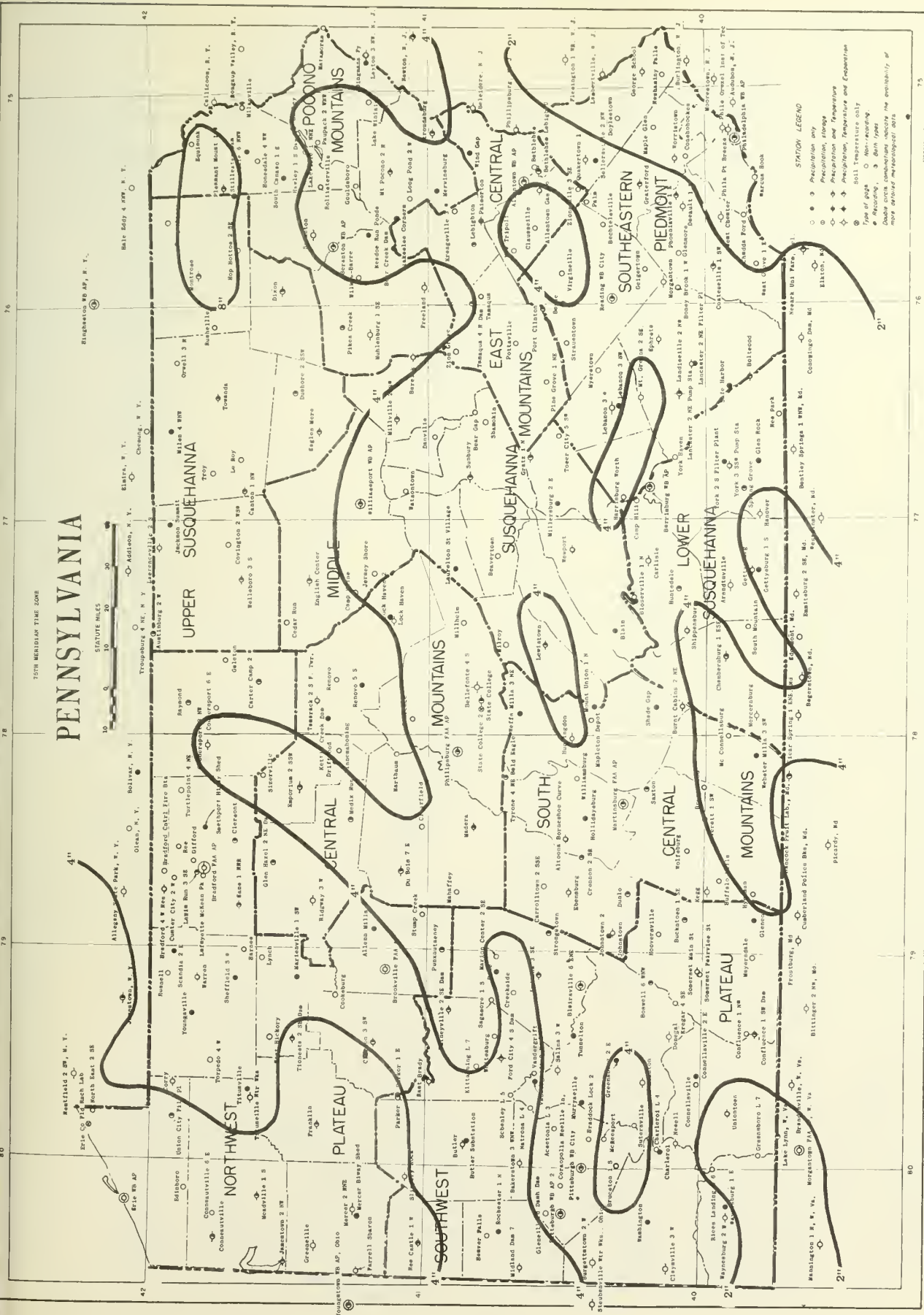
Cover Page:

The name of the Secretary of Commerce should be Frederick H. Mueller.

See Reference Notes Following Station Index

# TOTAL PRECIPITATION

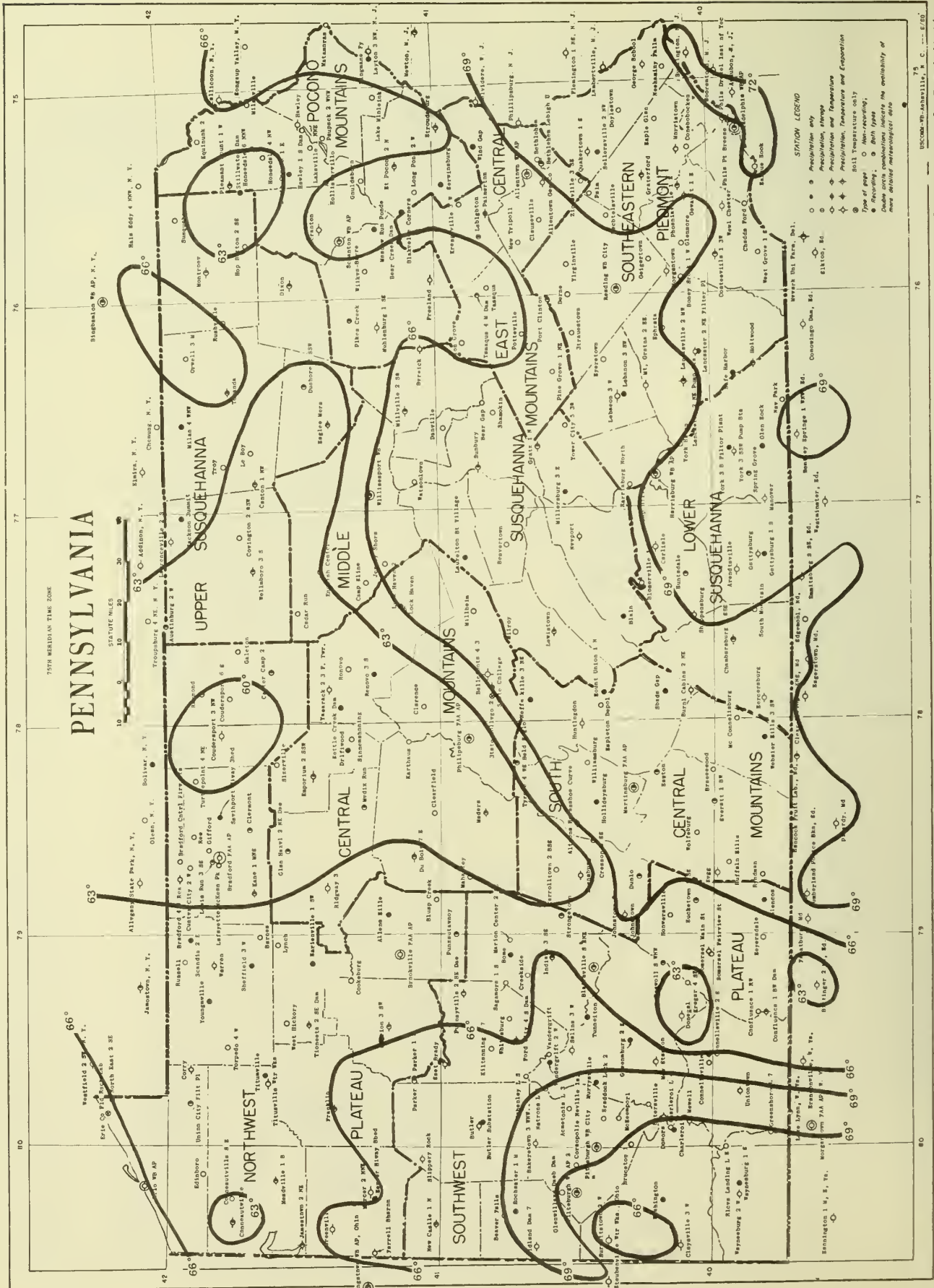
PENNSYLVANIA  
JUNE 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JUNE 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

PENNSYLVANIA  
JUNE 1960

Table with columns: STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER.



551.05  
UNP

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JULY 1960

Volume 65 No. 7



ASHEVILLE: 1960

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PENNSYLVANIA - JULY 1960  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 96° on the 27th at Newell

Lowest Temperature: 35° on the 8th at Kane 1 NNE and on the 15th at  
Coudersport 3 NW

Greatest Total Precipitation: 8.70 inches at Zionsville 3 SE

Least Total Precipitation: 1.44 inches at Bradford FAA Airport

Greatest One-Day Precipitation: 3.15 inches on the 14th at Kegg





DAILY PRECIPITATION

PENNSYLVANIA JULY 1960

Table with columns for Station, Day of month (1-31), and precipitation values. Includes a 'T' column for temperature. Rows list various Pennsylvania locations like Allentown, Harrisburg, and Scranton.

See Reference Notes Following Station Index





# DAILY PRECIPITATION

PENNSYLVANIA  
JULY 1960

CONTINUED

| Station             | Total | Day of month |      |      |     |   |   |   |   |     |      |      |      |      |      |    |    |    |     |      |      |    |     |     |      |      |      |      |      |     |     |    |  |
|---------------------|-------|--------------|------|------|-----|---|---|---|---|-----|------|------|------|------|------|----|----|----|-----|------|------|----|-----|-----|------|------|------|------|------|-----|-----|----|--|
|                     |       | 1            | 2    | 3    | 4   | 5 | 6 | 7 | 8 | 9   | 10   | 11   | 12   | 13   | 14   | 15 | 16 | 17 | 18  | 19   | 20   | 21 | 22  | 23  | 24   | 25   | 26   | 27   | 28   | 29  | 30  | 31 |  |
| WARREN              | 3.22  |              | .12  |      | .03 |   |   |   |   |     |      |      |      |      |      |    |    |    |     |      |      |    |     |     |      |      |      |      |      |     |     |    |  |
| WATSONTOWN          | 4.87  | .69          |      | .12  | .03 |   |   |   |   |     |      |      | .94  | .05  |      |    |    |    |     | .03  | .18  |    |     | .80 |      |      | .71  |      |      | .63 | .25 |    |  |
| WAYNESBURG 2 W      | 5.79  | .05          | .25  | .55  | .12 |   |   |   |   | .20 | .05  |      | .63  | .09  |      |    |    |    | .67 | .62  | .08  |    | .05 |     |      | .25  |      |      | T    | .30 | .09 |    |  |
| WELLSBORO 3 3       | 3.57  |              | .24  |      | .22 |   |   |   |   |     | .21  |      | 1.58 | .15  |      |    |    |    |     | .10  | 1.06 |    |     |     |      | 1.84 |      |      | .05  |     | .58 |    |  |
| WEST CHESTER        | 7.84  |              | 1.14 |      |     |   |   |   |   |     | .09  | .02  | .67  | .67  |      |    |    |    |     | 1.05 | .29  |    | T   | .02 |      | .22  | .05  |      |      | .21 |     |    |  |
| WEST GROVE 1 E      | 7.12  |              | .15  |      |     |   |   |   |   |     | 1.40 |      | .53  | 1.17 |      |    |    |    |     |      |      |    |     |     |      | .20  | 1.45 |      | 1.59 | .88 |     |    |  |
| WEST HICKORY        | 2.89  | .05          |      |      | .75 |   |   |   |   |     |      | 1.01 | .12  | .76  | 1.15 |    |    |    |     |      |      |    |     |     | .22  | 1.44 |      | 1.73 | .52  |     |     |    |  |
| WHITESBURG          | 6.18  | .34          | .86  |      | .15 |   |   |   |   |     | .07  |      | .35  | .02  |      |    |    |    |     | .30  | .15  |    |     | .25 |      | .40  | .25  |      | .40  |     |     |    |  |
| WILKES BARRE        | 5.95  | .14          | .32  | 1.57 |     |   |   |   |   |     | .24  |      | 2.88 |      |      |    |    |    |     | .34  |      |    |     | .14 | T    | .44  | 1.06 |      | .17  |     |     |    |  |
| WILLIAMSBURG        | 7.02  | .14          | .94  | .05  |     |   |   |   |   |     |      | T    | T    | .85  | .80  |    |    |    |     | .05  | .48  |    |     |     |      | .05  | .65  |      | .34  | .62 |     |    |  |
| WILLIAMSPORT W8 AP  | 4.64  | .45          |      | .51  |     |   |   |   |   |     | .32  | .19  | .85  | 1.21 | T    |    |    |    |     | .21  | .84  | T  |     |     |      | 1.01 | .84  | .08  | .36  |     |     |    |  |
| WOLFSTOWN           | 4.17  | .01          | .53  |      | .04 |   |   |   |   |     | .17  |      | .33  | .94  |      |    |    |    |     | .55  | .14  |    |     | T   | .18  | .35  |      | 1.18 |      |     |     |    |  |
| YORK 3 SSM PUMP STA | 5.90  | .20          | .15  |      |     |   |   |   |   |     |      | .07  | .05  | 1.65 | .90  |    |    |    |     | .26  | .10  |    |     |     | .13  | .53  | .26  | 1.51 | .16  |     |     |    |  |
| YORK HAVEN          | 4.03  |              | .65  |      |     |   |   |   |   |     |      | .36  |      | 2.28 | .14  |    |    |    |     | T    | T    |    |     |     | 1.05 | .04  | .01  |      | .16  |     |     |    |  |
| ZION GROVE          | 5.17  |              | .33  |      | .35 |   |   |   |   |     |      | .06  |      | .35  | .98  |    |    |    |     | T    | .55  |    |     |     | T    |      | .04  | .84  | .34  |     |     |    |  |
| ZIONVILLE 3 SE      | 8.70  |              | 1.57 |      | .04 |   |   |   |   |     |      |      | .95  | .52  |      |    |    |    |     | .09  | .25  |    |     |     |      |      | .26  | .70  | 1.70 |     |     |    |  |
|                     |       |              |      |      |     |   |   |   |   |     |      |      | .33  | 1.75 |      |    |    |    | .01 |      | .66  |    |     |     |      |      | .21  | 2.55 | .91  | .85 |     |    |  |

See Reference Notes Following Station Index







## EVAPORATION AND WIND

PENNSYLVANIA  
JULY 1960

| Station             | Day of month |           |           |           |            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |           |           |           | Total<br>to<br>Avg |
|---------------------|--------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|--------------------|
|                     | 1            | 2         | 3         | 4         | 5          | 6         | 7         | 8         | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        | 26        | 27        | 28         | 29        | 30        | 31        |                    |
| BELLEFONTE 4 S      | EVAP<br>WIND | .30<br>9  | .02<br>2  | .30<br>6  | .25<br>10  | .30<br>12 | .20<br>5  | .25<br>6  | .30<br>3  | .20<br>7  | .20<br>5  | .20<br>2  | .05<br>3  | .30<br>3  | .15<br>2  | .02<br>4  | .45<br>3  | .35<br>4  | .20<br>3  | .25<br>6  | .33<br>6  | .30<br>6  | .25<br>3  | .20<br>2  | .20<br>5  | .15<br>2  | .33<br>5  | .16<br>5   | .30<br>3  | .20<br>4  | .25<br>7  | 87.19<br>153       |
| CONFLUENCE 1 SW DAM | EVAP<br>WIND | .21<br>30 | .03<br>37 | .18<br>34 | .18<br>55  | .17<br>37 | .23<br>52 | .13<br>30 | .22<br>37 | .20<br>31 | .11<br>24 | .11<br>9  | .06<br>12 | .18<br>21 | .19<br>38 | .07<br>44 | .22<br>31 | .20<br>17 | .19<br>38 | .18<br>27 | .16<br>40 | .17<br>56 | .17<br>26 | .21<br>18 | .21<br>19 | .13<br>49 | .20<br>38 | .21<br>13  | .18<br>19 | .18<br>23 | .23<br>09 | 5.22<br>938        |
| FORD CITY 3 S DAM   | EVAP<br>WIND | .27<br>34 | .02<br>9  | .16<br>27 | .21<br>64  | .23<br>40 | .24<br>42 | .14<br>25 | .17<br>20 | .21<br>25 | .22<br>20 | .03<br>7  | .07<br>15 | .18<br>7  | .21<br>16 | .80<br>49 | .19<br>18 | .20<br>11 | .20<br>11 | .19<br>19 | .14<br>23 | .25<br>41 | .20<br>18 | .21<br>29 | .10<br>18 | .29<br>25 | .20<br>11 | .26<br>59  | .17<br>22 | .17<br>11 | .32<br>16 | 6.46<br>782        |
| JAMKSTOWN 2 NW      | EVAP<br>WIND | .14<br>9  | .03<br>6  | .17<br>35 | .11<br>17  | .16<br>20 | .28<br>16 | .09<br>26 | .20<br>13 | .18<br>10 | .19<br>8  | -<br>4    | .19<br>1  | .12<br>8  | .09<br>12 | .16<br>18 | .20<br>22 | .14<br>10 | .19<br>16 | .09<br>11 | .28<br>21 | .17<br>4  | .20<br>25 | .23<br>10 | .29<br>14 | .12<br>19 | .20<br>24 | .18<br>9   | .17<br>9  | .20<br>18 | .18<br>25 | 85.26<br>456       |
| LANDISVILLE 2 NW    | EVAP<br>WIND | .29<br>56 | .03<br>21 | .21<br>37 | .31<br>114 | .30<br>64 | .32<br>67 | .15<br>23 | .38<br>49 | .26<br>30 | .28<br>26 | .01<br>51 | .13<br>29 | .20<br>19 | .50<br>54 | .71<br>94 | .20<br>33 | .25<br>23 | .23<br>17 | .28<br>47 | .13<br>46 | .35<br>24 | .23<br>28 | .14<br>28 | .24<br>29 | .30<br>57 | .24<br>30 | .21<br>103 | .12<br>37 | .18<br>16 | .38<br>64 | 7.75<br>1456       |

## DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time       | Day of month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              | Average      |  |
|-------------------------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|--------------|--|
|                         |            | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31           |              |  |
| ERIE CO FIELD RSCH LAB  |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |
| 8 INCHES                | MAX<br>MIN | 71<br>69     | 71<br>67 | 70<br>68 | 69<br>66 | 69<br>66 | 71<br>67 | 73<br>68 | 74<br>69 | 75<br>71 | 75<br>73 | 75<br>71 | 76<br>72 | 75<br>72 | 72<br>69 | 71<br>67 | 73<br>68 | 72<br>70 | 75<br>70 | 76<br>73 | 76<br>73 | 76<br>71 | 79<br>74 | 77<br>74 | 76<br>72 | 77<br>72 | 80<br>75 | 78<br>74 | 78<br>73 | 79<br>74 | 79<br>75 | 78<br>73     | 74.7<br>70.8 |  |
| LANDISVILLE 2 NW        |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |
| 2 INCHES                | 8 AM       | 68           | 66       | 68       | 67       | 66       | 64       | 67       | 65       | 66       | 69       | 69       | 67       | 70       | 70       | 64       | 65       | 67       | 69       | 71       | 70       | 67       | 67       | 69       | 69       | 67       | 70       | 70       | 69       | 70       | 67       | 89           | 67.8         |  |
| STATE COLLEGE 2         |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |
| 2 INCHES                | MAX<br>MIN | 67<br>66     | 77<br>63 | 78<br>64 | 73<br>63 | 72<br>60 | 71<br>59 | 75<br>60 | 79<br>60 | 79<br>61 | 72<br>63 | 76<br>64 | 78<br>64 | 78<br>67 | 68<br>64 | 79<br>58 | 80<br>62 | 79<br>64 | 79<br>65 | 82<br>68 | 77<br>67 | 81<br>62 | 82<br>65 | 75<br>67 | 84<br>65 | 82<br>64 | 74<br>67 | 79<br>68 | 81<br>66 | 82<br>67 | 79<br>68 | 82<br>66     | 77.5<br>64.0 |  |
| 4 INCHES                | MAX<br>MIN | 68<br>66     | 73<br>63 | 73<br>65 | 70<br>64 | 69<br>62 | 68<br>60 | 71<br>61 | 73<br>62 | 75<br>62 | 69<br>64 | 72<br>65 | 78<br>67 | 75<br>65 | 69<br>65 | 75<br>60 | 77<br>64 | 76<br>66 | 77<br>66 | 79<br>69 | 75<br>68 | 77<br>64 | 81<br>66 | 82<br>66 | 75<br>66 | 84<br>66 | 82<br>68 | 74<br>68 | 81<br>66 | 82<br>67 | 79<br>68 | 82<br>68     | 74.3<br>65.1 |  |
| 8 INCHES                | MAX<br>MIN | 69<br>66     | 70<br>64 | 70<br>66 | 68<br>65 | 67<br>63 | 66<br>62 | 68<br>63 | 69<br>63 | 70<br>64 | 68<br>65 | 69<br>65 | 73<br>66 | 71<br>68 | 69<br>66 | 71<br>62 | 72<br>65 | 72<br>67 | 73<br>67 | 74<br>69 | 72<br>69 | 73<br>66 | 73<br>67 | 71<br>69 | 74<br>68 | 74<br>68 | 70<br>69 | 70<br>68 | 70<br>68 | 70<br>69 | 70<br>68 | 71.0<br>66.2 |              |  |
| 12 INCHES               | MAX<br>MIN | 68<br>66     | 67<br>65 | 67<br>65 | 67<br>65 | 66<br>63 | 65<br>63 | 65<br>64 | 66<br>64 | 67<br>64 | 67<br>65 | 66<br>65 | 69<br>65 | 68<br>66 | 67<br>66 | 68<br>64 | 67<br>66 | 68<br>66 | 69<br>67 | 70<br>68 | 70<br>68 | 70<br>67 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 70<br>68 | 68.4<br>66.5 |              |  |
| 24 INCHES               | MAX<br>MIN | 67<br>65     | 66<br>65 | 66<br>65 | 66<br>65 | 66<br>64 | 65<br>63 | 64<br>63 | 65<br>64 | 65<br>64 | 66<br>64 | 65<br>64 | 67<br>65 | 67<br>65 | 67<br>66 | 67<br>66 | 67<br>66 | 67<br>66 | 68<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 69<br>67 | 67.4<br>66.0 |              |  |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

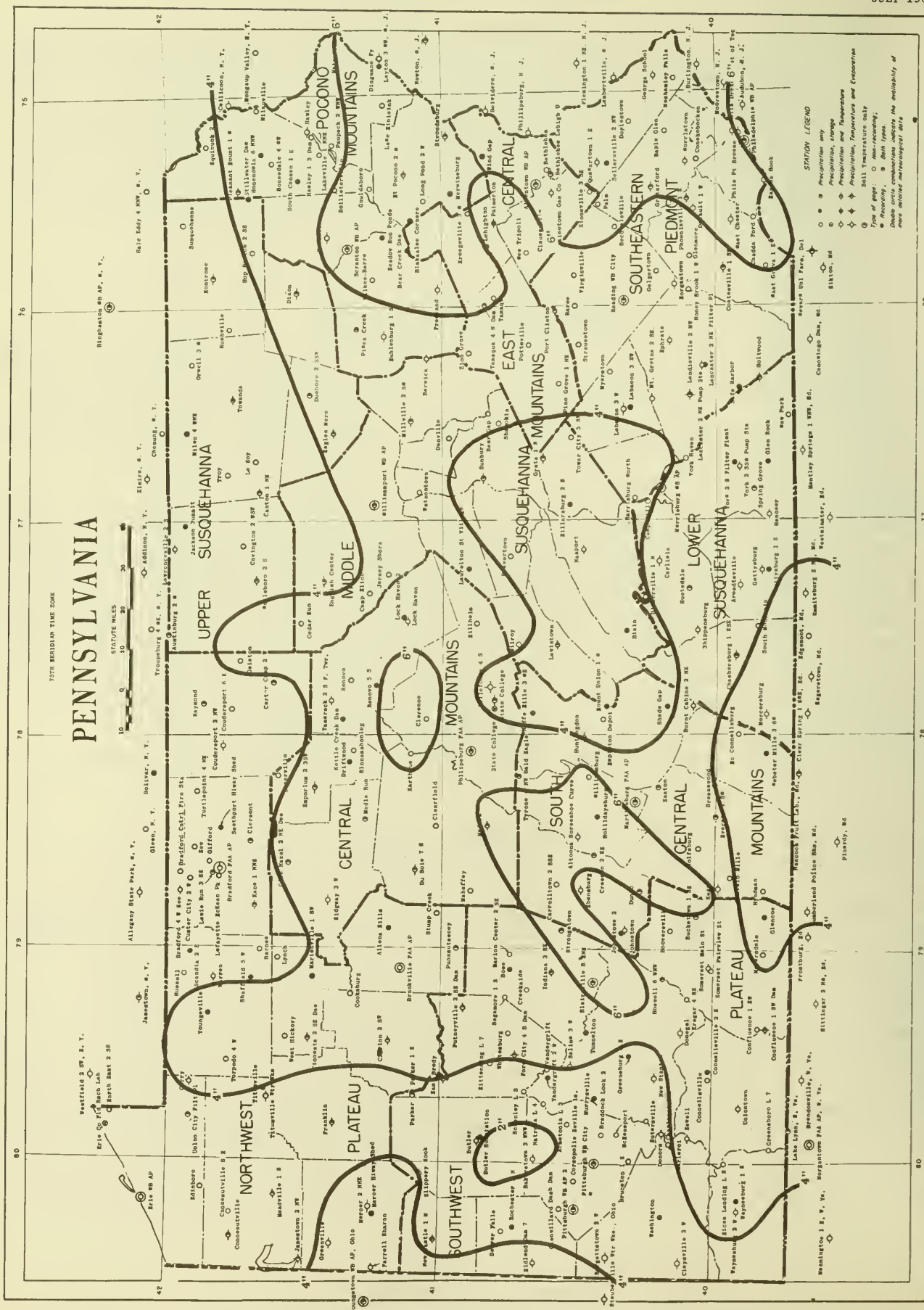
## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                       | Wind speed<br>m. p. h. |                 |                                 |                         | Relative humidity averages -<br>percent |               |               |               | Number of days with precipitation |       |       |       |         |                 | Percent of<br>possible<br>sunshine | Average<br>sky cover<br>sunrise to sunset |
|-------------------------|----------------|---------------------------------------|------------------------|-----------------|---------------------------------|-------------------------|---|---------------|---------------|---------------|-----------------------------------|-------|-------|-------|---------|-----------------|------------------------------------|---|
|                         | Prevailing     | Percent of<br>time from<br>prevailing | Average                | Fastest<br>mile | Direction<br>of<br>fastest mile | Date of<br>fastest mile | 1:00 a<br>EST                           | 7:00 a<br>EST | 1:00 p<br>EST | 7:00 p<br>EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200<br>and over |                                    |   |
| ALLENTOWN WB AIRPORT    | WSW            | 11                                    | 7.0                    | 35++            | W                               | 3                       | 86                                      | 85            | 55            | 62            | 1                                 | 2     | 2     | 2     | 1       | 10              | -                                  | 5.2                                       |
| ERIE WB AIRPORT         | SSE            | 16                                    | 9.8                    | 40++            | SSW                             | 3                       | 79                                      | 74            | 59            | 58            | 2                                 | 3     | 5     | 2     | 0       | 12              | -                                  | 4.3                                       |
| HARRISBURG WB AIRPORT   | WNW            | 14                                    | 5.3                    | 22              | NW                              | 30                      | 79                                      | 79            | 49            | 53            | 3                                 | 3     | 3     | 1     | 2       | 12              | 66                                 | 5.5                                       |
| PHILADELPHIA WB AIRPORT | WSW            | 18                                    | 7.5                    | 31              | NE                              | 14                      | 85                                      | 81            | 55            | 62            | 3                                 | 3     | 2     | 1     | 0       | 11              | 68                                 | 5.7                                       |
| PITTSBURGH WB AIRPORT 2 | NW             | 10                                    | 6.0                    | 29++            | WSW                             | 26                      | 84                                      | 87            | 55            | 60            | 3                                 | 1     | 6     | 3     | 0       | 13              | 70                                 | 5.8                                       |
| READING WB CITY         | -              | -                                     | 8.2                    | 29              | W                               | 19                      | -                                       | -             | -             | -             | 0                                 | 2     | 3     | 1     | 2       | 8               | 56                                 | 5.8                                       |
| SCRANTON WB AIRPORT     | ESE            | 10                                    | 7.6                    | 42              | NW                              | 3                       | 81                                      | 84            | 55            | 63            | 3                                 | 1     | 4     | 3     | 2       | 13              | 60                                 | 5.6                                       |
| WILLIAMSPORT WB AIRPORT | W              | 15                                    | 6.6                    | 29              | SSE                             | 27                      | 89                                      | 90            | 50            | 61            | 2                                 | 1     | 7     | 2     | 1       | 13              | -                                  | 5.8                                       |

See Reference Notss Following Station Index

# TOTAL PRECIPITATION

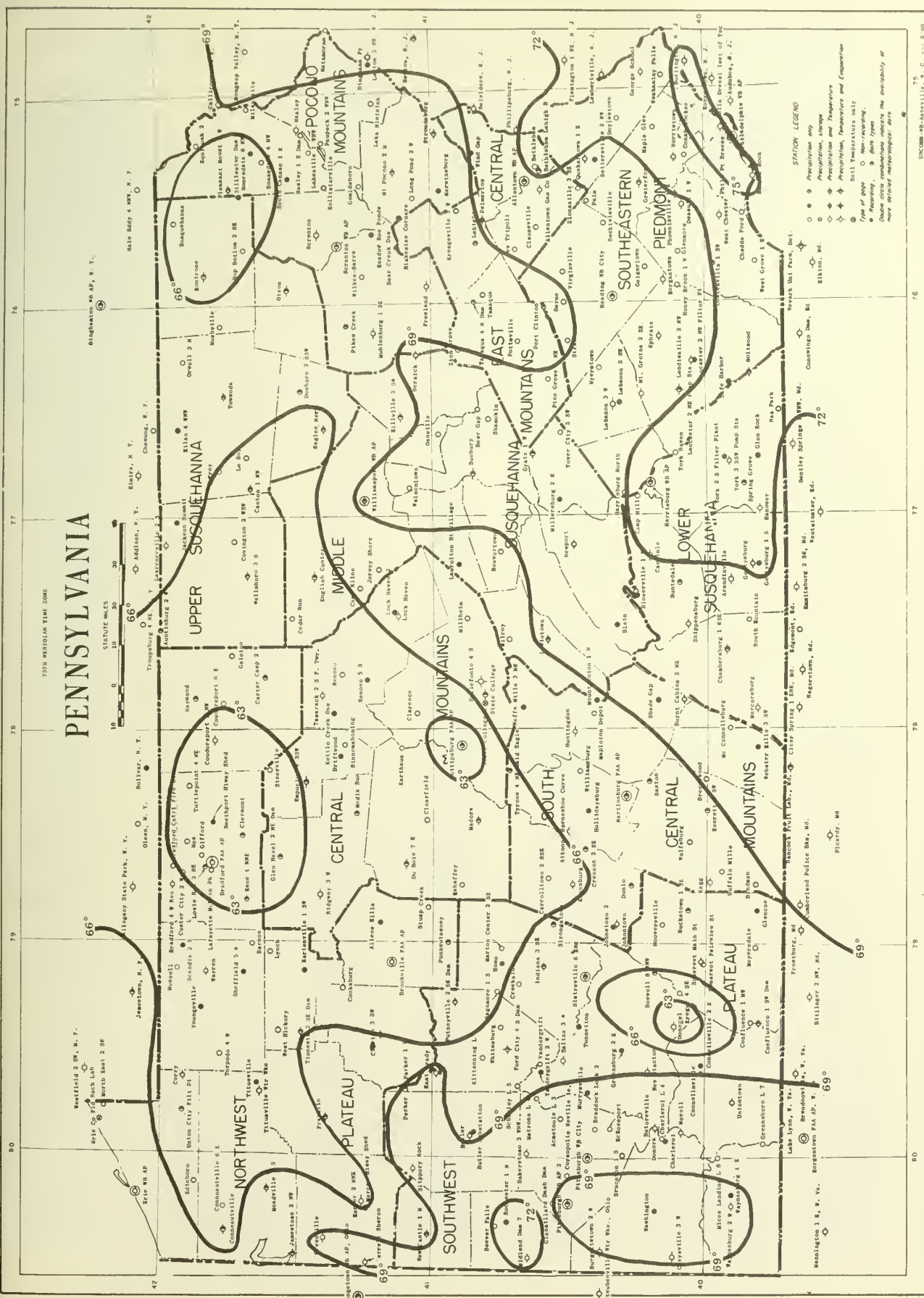
PENNSYLVANIA  
JULY 1960



Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JULY 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

Table with columns: STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. The table lists numerous weather stations across Pennsylvania, including locations like Acmetonia Lock 3, Allens Mills, Allentown, Altoona, and many others, providing their specific coordinates and elevation data.



# STATION INDEX

PENNSYLVANIA  
JULY 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |      | OBSERVER                 | STATION               | INDEX NO. | COUNTY      | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                         | OBSERVER |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|------|--------------------------|-----------------------|-----------|-------------|------------|----------|-----------|-----------|-----------------------------|---------|-------------------------|----------|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | WIND |                          |                       |           |             |            |          |           |           | TEMP.                       | PRECIP. | WIND                    |          |
| STATE COLLEGE 2        | 8492      | CENTRE       | 16 40 48   | 77 52    | 1180      |           |                             |         | G    | PA. STATE UNIVERSITY     | WEST GROVE 1 E        | 9503      | CHESTER     | 5 39 49    | 75 49    | 440       |           |                             |         | COWARD-PYLE CO.         |          |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 5 41 42    | 75 29    | 18        |           |                             |         | C    | ANTHONY E. SLICK         | WEST HICKORY          | 9507      | FOREST      | 1 41 54    | 79 25    | 1090      |           |                             |         | MR. & MRS. P. FINNEAR   |          |
| STRAKSTOWN             | 8570      | BERKS        | 14 40 29   | 76 11    | 600       | 8A        |                             |         | C    | JACOB KLARR              | WHITESBURG            | 9655      | ARMSTRONG   | 1 40 45    | 79 34    | 1530      |           |                             |         | CORPS OF ENGINEERS      |          |
| STRONGTOWN             | 8585      | INDIANA      | 4 40 33    | 78 55    | 1880      |           |                             |         | C    | HARRY F. BENNETT         | WILKES-BARRE          | 9702      | LAZERNE     | 15 41 35   | 75 52    | 610       |           |                             |         | MR. & MRS. G. MIRMAR    |          |
| STROUDSBURG            | 8586      | MONROE       | 5 40 59    | 75 12    | 480       | 11P       |                             |         | C    | WILLIAM HAGERTY          | WILLIAMSBURG          | 9714      | BLAIR       | 6 40 28    | 78 12    | 860       |           |                             |         | MYRON K. BIDDLE         |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1 41 01    | 78 50    | 1320      | 7A        |                             |         | C    | CORPS OF ENGINEERS       | WILLIAMSPORT WB AR    | 9728      | LYCOMING    | 16 41 35   | 76 55    | 527       | 110       |                             |         | U.S. WEATHER BUREAU     |          |
| SUNBURY                | 8668      | NORTHUMBLAND | 15 40 52   | 76 47    | 480       | 7A        |                             |         | C    | CHARLES W. BAYLER        | WIND GAP              | 9781      | NORTHAMPTON | 5 40 51    | 75 18    | 765       |           |                             |         | MR. & MRS. D. HOELZEL   |          |
| SUSQUEHANNA            | 8682      | SUSQUEHANNA  | 15 41 57   | 75 36    | 1020      | 7A        |                             |         | C    | MRS. LAURA L. BERSON     | WOLFSBURG             | 9823      | BEDFORD     | 6 40 03    | 78 32    | 1190      |           |                             |         | WALTER C. RICE          |          |
| SUTHERVILLE            | 8699      | ALLEGHENY    | 17 40 14   | 79 48    | 765       | 7A        |                             |         | C    | HANCE SEE                | YORK 3 SSW RUMP STA   | 9933      | YORK        | 15 39 55   | 76 45    | 390       | 5P        |                             |         | YORK WATER COMPANY      |          |
| TAMAQUA                | 8758      | SCHUYLKILL   | 14 40 48   | 75 58    | 830       | 8A        |                             |         | C    | MRS. MARY L. ROBERTS     | YORK 2 S FILTER PLANT | 9938      | YORK        | 15 39 56   | 76 44    | 640       |           |                             |         | YORK WATER COMPANY      |          |
| TAMAQUA 4 N DAM        | 8763      | SCHUYLKILL   | 14 40 51   | 75 59    | 1120      | 7A        |                             |         | C    | PANTHER VALLEY WTR. CO.  | YORK HAVEN            | 9950      | YORK        | 15 40 07   | 76 43    | 310       |           |                             |         | METROPOLITAN EDISON CO. |          |
| TAMAQUA 2 S FIRE TWR   | 8770      | CLINTON      | 16 41 24   | 77 51    | 2220      | 7A        |                             |         | C    | JAMES E. SWARTZ          | YOUNGVILLE            | 9966      | WARREN      | 1 41 51    | 79 20    | 1225      |           |                             |         | HENRY CARLETT           |          |
| TIONESTA 2 SE OAM      | 8873      | FOREST       | 1 41 29    | 79 26    | 1200      | 8A        |                             |         | C    | CORPS OF ENGINEERS       | ZION GROVE            | 9990      | SCHUYLKILL  | 15 40 54   | 76 13    | 940       |           |                             |         | JAMES O. FEETER         |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1 41 38    | 79 40    | 1590      | 7P        |                             |         | C    | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE       | 9995      | LEHIGH      | 14 40 28   | 75 27    | 680       |           |                             |         | LESLIE HOWATT           |          |
| TITUSVILLE WATER WORKS | 8886      | CRAWFORD     | 1 41 38    | 79 42    | 1220      | 7P        |                             |         | C    | CITY OF TITUSVILLE       |                       |           |             |            |          |           |           |                             |         |                         |          |
| TORPICO 4 W            | 8901      | WARREN       | 1 41 47    | 79 52    | 1735      | 7A        |                             |         | C    | MRS. LILY B. GABER       |                       |           |             |            |          |           |           |                             |         |                         |          |
| TOWANDA                | 8905      | BRADFORD     | 15 41 46   | 76 26    | 760       | 7P        |                             |         | C    | MRS. M. O. BARRS         |                       |           |             |            |          |           |           |                             |         |                         |          |
| TOWER CITY 5 SW        | 8910      | GAUPHIN      | 15 40 31   | 76 37    | 745       | 6P        |                             |         | C    | HARRISBURG WATER DEPT.   |                       |           |             |            |          |           |           |                             |         |                         |          |
| TROY                   | 8959      | BRADFORD     | 15 41 47   | 76 47    | 1100      | 7A        |                             |         | C    | JENNIE L. BALLARD        |                       |           |             |            |          |           |           |                             |         |                         |          |
| TUNNELTON              | 8980      | INDIANA      | 4 40 27    | 79 23    | 890       |           |                             |         | C    | MRS. MARY E. WEINER      |                       |           |             |            |          |           |           |                             |         |                         |          |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1 41 54    | 78 16    | 1640      | 7A        |                             |         | C    | ROBERT D. STRAIT         |                       |           |             |            |          |           |           |                             |         |                         |          |
| TYNONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6 40 43    | 78 12    | 1020      | 7A        |                             |         | C    | FREDERICK L. FRIDAY      |                       |           |             |            |          |           |           |                             |         |                         |          |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1 41 55    | 79 48    | 1400      | 7A        |                             |         | C    | HAROLD W. HAMMOND        |                       |           |             |            |          |           |           |                             |         |                         |          |
| UNIONTOWN              | 9050      | FAVETTE      | 10 39 56   | 79 44    | 1040      | 10P       |                             |         | C    | Wm. H. HARSTELER         |                       |           |             |            |          |           |           |                             |         |                         |          |
| VANDERGRIFT            | 9126      | WESTMORELAND | 7 40 36    | 79 33    | 800       | 7A        |                             |         | C    | UNITE ENGS. & FNDRY. CO. |                       |           |             |            |          |           |           |                             |         |                         |          |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7 40 36    | 79 36    | 999       |           |                             |         | C    | EUGENE R. YOUNG          |                       |           |             |            |          |           |           |                             |         |                         |          |
| VIRGINVILLE            | 9196      | BERKS        | 14 40 31   | 75 52    | 350       | 8A        |                             |         | C    | MRS. MARY M. WRIGHT      |                       |           |             |            |          |           |           |                             |         |                         |          |
| WARREN                 | 9298      | WARREN       | 1 41 51    | 79 08    | 1280      | 7P        |                             |         | C    | GILBERT M. REIER         |                       |           |             |            |          |           |           |                             |         |                         |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11 40 11   | 80 16    | 3200      |           |                             |         | C    | PA. DEPT. HIGHWAYS       |                       |           |             |            |          |           |           |                             |         |                         |          |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16 41 05   | 76 52    | 490       | 9P        |                             |         | C    | WILLIAM BIRD             |                       |           |             |            |          |           |           |                             |         |                         |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10 39 54   | 80 13    | 980       | 6P        |                             |         | C    | SAMUEL B. GREENLEE       |                       |           |             |            |          |           |           |                             |         |                         |          |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10 39 54   | 80 10    | 940       |           |                             |         | C    | SEWAGE DISPOSAL PLANT    |                       |           |             |            |          |           |           |                             |         |                         |          |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12 39 49   | 78 05    | 920       |           |                             |         | C    | WILLIAM D. COVER         |                       |           |             |            |          |           |           |                             |         |                         |          |
| WELLSBORO 1 S          | 9405      | TIOGA        | 16 41 43   | 77 16    | 1920      | 7A        |                             |         | C    | HARION L. SHUMWAY        |                       |           |             |            |          |           |           |                             |         |                         |          |
| WEST CHESTER           | 9464      | CHESTER      | 5 39 58    | 75 36    | 440       | 8A        |                             |         | C    | DAILY LOCAL NEWS         |                       |           |             |            |          |           |           |                             |         |                         |          |

1-ALLEGHENY, 2-BEAVER, 3-CONEMAUGH, 4-CONEMAUGH, 5-DELAWARE, 6-JUNIATA, 7-KISKIMINETAS, 8-LAKE ERIE, 9-LEHIGH, 10-MONONGAHELA, 11-OHIO, 12-ROTMAC, 13-LAKE ONTARIO, 14-SCHUYLKILL, 15-SUSQUEHANNA, 16-WEST BRANCH, 17-YOUSHOGHENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

51.05  
NP

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

AUGUST 1960  
Volume 65 No. 8



THE LIBRARY OF THE  
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ASHEVILLE: 1960

PENNSYLVANIA - AUGUST 1960  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 96° on the 30+ at 3 stations

Lowest Temperature: 32° on the 25th at Coudersport 3 NW

Greatest Total Precipitation: 9.43 inches at Palmerton

Least Total Precipitation: 0.57 inch at Madera

Greatest One-Day Precipitation: 3.95 inches on the 31st at Bethlehem  
Lehigh University



















## DAILY TEMPERATURES

PENNSYLVANIA  
AUGUST 1960

Continued

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| YORK 3 SSW PUMP STA | MAX | 87           | 90 | 90 | 87 | 88 | 85 | 83 | 90 | 89 | 88 | 84 | 84 | 80 | 83 | 87 | 86 | 84 | 86 | 87 | 89 | 92 | 84 | 85 | 84 | 84 | 83 | 91 | 93 | 94 | 93 | 88 | 87.0    |
|                     | MIN | 65           | 65 | 70 | 69 | 71 | 66 | 69 | 68 | 62 | 70 | 63 | 60 | 66 | 65 | 64 | 65 | 59 | 67 | 60 | 58 | 65 | 66 | 62 | 60 | 50 | 52 | 58 | 65 | 69 | 70 | 69 | 64.1    |

## EVAPORATION AND WIND

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |    | Total | Avg |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----|-------|-----|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29   | 30   | 31 |       |     |
| BELLEFONTE 4 S      | EVAP | .23          | .27 | .25 | .30 | .00 | .25 | .22 | .35 | .20 | .20 | .05 | .25 | .15 | .17 | .20 | .20 | .30 | .05 | .15 | .30 | .20 | .10 | .25 | .30 | .20 | .20 | .15 | .28 | .20  | 6.42 |    |       |     |
|                     | WIND | 4            | 4   | 10  | 10  | 4   | 6   | 2   | 10  | 8   | 5   | 6   | 3   | 5   | 5   | 4   | 4   | 2   | 4   | 6   | 7   | 5   | 4   | 3   | 4   | 5   | 4   | 8   | 0   | 8    | 160  |    |       |     |
| CONFLUENCE 1 SW DAM | EVAP | .27          | .19 | .20 | .21 | .09 | .11 | .12 | .32 | .15 | .16 | .18 | .00 | .16 | .15 | .12 | .16 | .24 | .13 | .17 | .14 | .09 | .10 | .15 | .19 | .21 | .15 | .13 | .14 | 4.71 |      |    |       |     |
|                     | WIND | 19           | 16  | 27  | 37  | 36  | 18  | 28  | 71  | 42  | 32  | 49  | 26  | 15  | 26  | 28  | 30  | 37  | 47  | 23  | 24  | 42  | 36  | 24  | 39  | 35  | 40  | 22  | 14  | 34   | 983  |    |       |     |
| FORD CITY 4 S DAM   | EVAP | .22          | .19 | .20 | .11 | .04 | .18 | .17 | .19 | .19 | .16 | .16 | .11 | .12 | .13 | .15 | .12 | .14 | .19 | .19 | .20 | .10 | .06 | .14 | .09 | .22 | .19 | .21 | .13 | .13  | 4.69 |    |       |     |
|                     | WIND | 27           | 14  | 41  | 23  | 15  | 29  | 9   | 49  | 40  | 11  | 29  | 14  | 12  | 11  | 27  | 26  | 16  | 19  | 12  | 14  | 19  | 33  | 26  | 17  | 25  | 19  | 15  | 20  | 10   | 659  |    |       |     |
| JAMESTOWN 2 NW      | EVAP | .10          | .29 | .14 | .08 | .08 | .18 | .13 | .12 | .07 | .25 | .16 | .15 | .15 | .18 | .09 | .15 | .17 | .20 | .18 | .18 | .08 | .08 | .13 | .20 | .18 | .14 | .15 | .15 | .09  | 4.55 |    |       |     |
|                     | WIND | 4            | 15  | 23  | 16  | 13  | 13  | 3   | 25  | 13  | 6   | 17  | 16  | 6   | 11  | 21  | 32  | 3   | 15  | 15  | 10  | 25  | 11  | 20  | 6   | 16  | 15  | 15  | 5   | 12   | 431  |    |       |     |
| LANDISVILLE 2 NW    | EVAP | .08          | .28 | .22 | .17 | .27 | .16 | .20 | .17 | .26 | .13 | .25 | .22 | .09 | .05 | .13 | .23 | .16 | .19 | .27 | .23 | .03 | .16 | .29 | .25 | .20 | .20 | .17 | .17 | .07  | 5.79 |    |       |     |
|                     | WIND | 30           | 34  | 28  | 24  | 34  | 33  | 40  | 59  | 47  | 46  | 42  | 44  | 27  | 17  | 21  | 40  | 41  | 31  | 45  | 40  | 30  | 23  | 23  | 74  | 41  | 22  | 19  | 17  | 32   | 1082 |    |       |     |

## DAILY SOIL TEMPERATURES

| Station And Depth                  | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 78           | 77 | 76 | 75 | 76 | 74 | 74 | 76 | 75 | 74 | 75 | 77 | 78 | 77 | 72 | 73 | 76 | 76 | 77 | 76 | 76 | 75 | 77 | 76 | 75 | 77 | 78 | 78 | 79 | 80 | 76.2 |         |
|                                    | MIN  | 73           | 74 | 75 | 73 | 73 | 71 | 70 | 73 | 72 | 71 | 69 | 71 | 72 | 74 | 71 | 68 | 68 | 70 | 72 | 73 | 74 | 73 | 73 | 73 | 72 | 71 | 72 | 75 | 76 | 76 | 72.5 |         |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 69           | 70 | 72 | 72 | 71 | 70 | 72 | 71 | 70 | 73 | 71 | 70 | 69 | 69 | 70 | 70 | 68 | 67 | 70 | 67 | 69 | 72 | 69 | 68 | 65 | 67 | 68 | 69 | -  | -  | -    | 69.6    |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 81           | 81 | 78 | 74 | 79 | 83 | 79 | 79 | 81 | 77 | 80 | 76 | 77 | 80 | 77 | 85 | 84 | 86 | 80 | 81 | 78 | 77 | 77 | 84 | 85 | 85 | 83 | 86 | 85 | 84 | 82   | 80.8    |
|                                    | MIN  | 63           | 65 | 70 | 69 | 69 | 65 | 68 | 70 | 66 | 68 | 65 | 63 | 68 | 66 | 66 | 66 | 66 | 64 | 64 | 64 | 66 | 66 | 66 | 64 | 63 | 59 | 60 | 65 | 67 | 69 | 70   | 65.9    |
| 4 INCHES                           | MAX  | 77           | 77 | 75 | 73 | 75 | 78 | 76 | 76 | 78 | 75 | 76 | 74 | 74 | 76 | 74 | 79 | 79 | 79 | 76 | 76 | 75 | 74 | 74 | 78 | 78 | 78 | 77 | 80 | 79 | 79 | 77   | 76.5    |
|                                    | MIN  | 65           | 67 | 70 | 69 | 69 | 67 | 69 | 70 | 67 | 69 | 66 | 65 | 68 | 67 | 67 | 67 | 66 | 66 | 65 | 67 | 67 | 65 | 65 | 62 | 63 | 66 | 68 | 70 | 70 | 70 | 67.1 |         |
| 8 INCHES                           | MAX  | 73           | 73 | 72 | 71 | 73 | 74 | 73 | 73 | 73 | 72 | 72 | 71 | 72 | 71 | 74 | 74 | 75 | 72 | 73 | 72 | 72 | 72 | 73 | 73 | 73 | 73 | 76 | 75 | 75 | 74 | 73.0 | 73.0    |
|                                    | MIN  | 67           | 68 | 70 | 70 | 69 | 68 | 70 | 70 | 68 | 70 | 68 | 67 | 68 | 68 | 69 | 67 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 67 | 66 | 65 | 66 | 68 | 69 | 70 | 71   | 68.3    |
| 12 INCHES                          | MAX  | 70           | 70 | 70 | 70 | 71 | 70 | 71 | 70 | 71 | 70 | 70 | 70 | 70 | 70 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 69 | 70 | 70 | 69 | 70 | 69 | 70 | 71 | 72 | 72   | 70.4    |
|                                    | MIN  | 68           | 68 | 69 | 69 | 69 | 68 | 70 | 70 | 68 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 69 | 68 | 68 | 68 | 69 | 68 | 68 | 67 | 67 | 67 | 68 | 68 | 69 | 70 | 70   | 68.4    |
| 16 INCHES                          | MAX  | 70           | 69 | 69 | 69 | 69 | 70 | 70 | 69 | 70 | 69 | 69 | 69 | 69 | 69 | 70 | 71 | 70 | 70 | 69 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 70 | 71 | 71 | 71   | 69.6    |
|                                    | MIN  | 67           | 68 | 68 | 69 | 68 | 68 | 69 | 69 | 68 | 69 | 68 | 68 | 68 | 68 | 68 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 67 | 67 | 67 | 68 | 68 | 69 | 69   | 68.0    |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conottoo gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

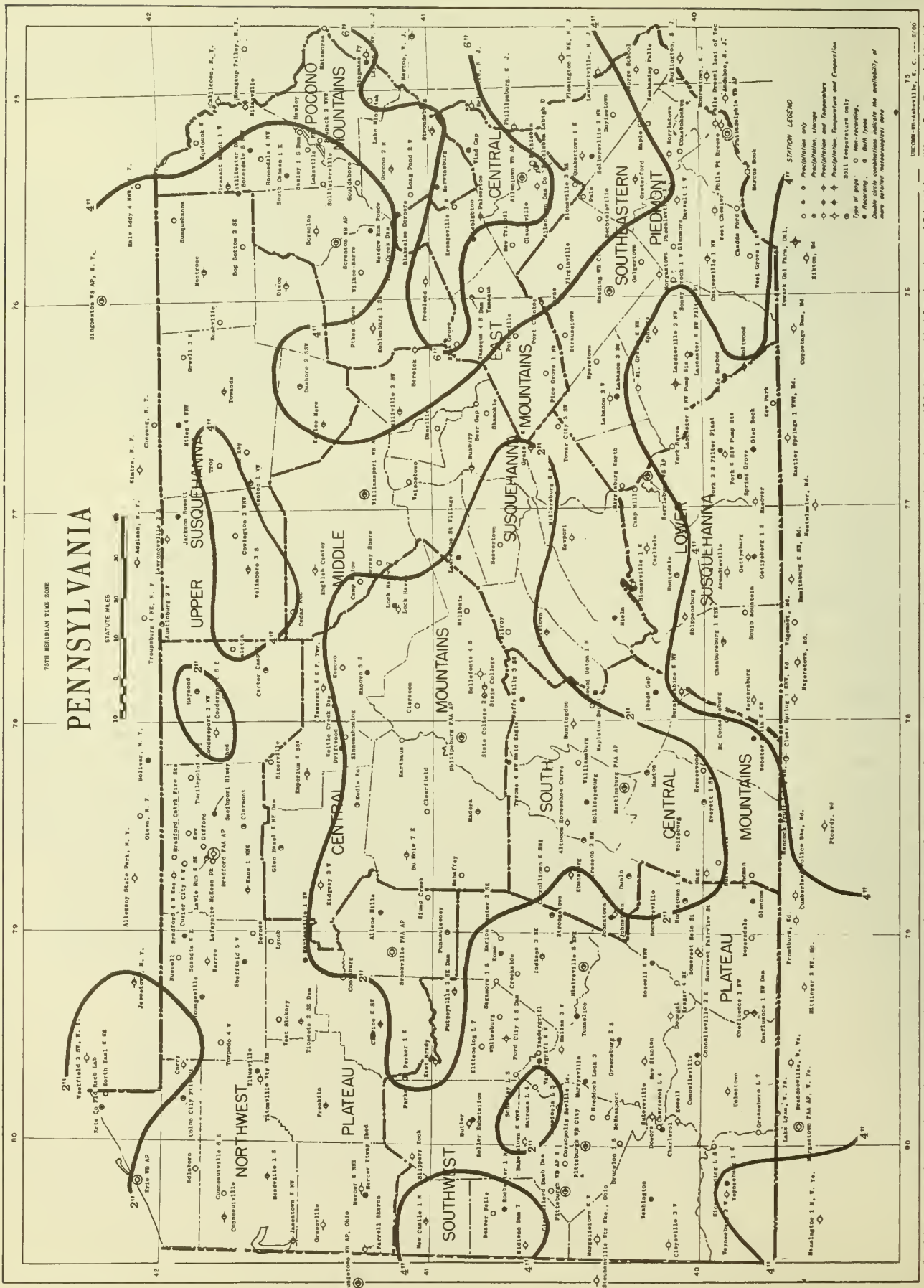
Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

See Reference Notes Following Station Index

# TOTAL PRECIPITATION

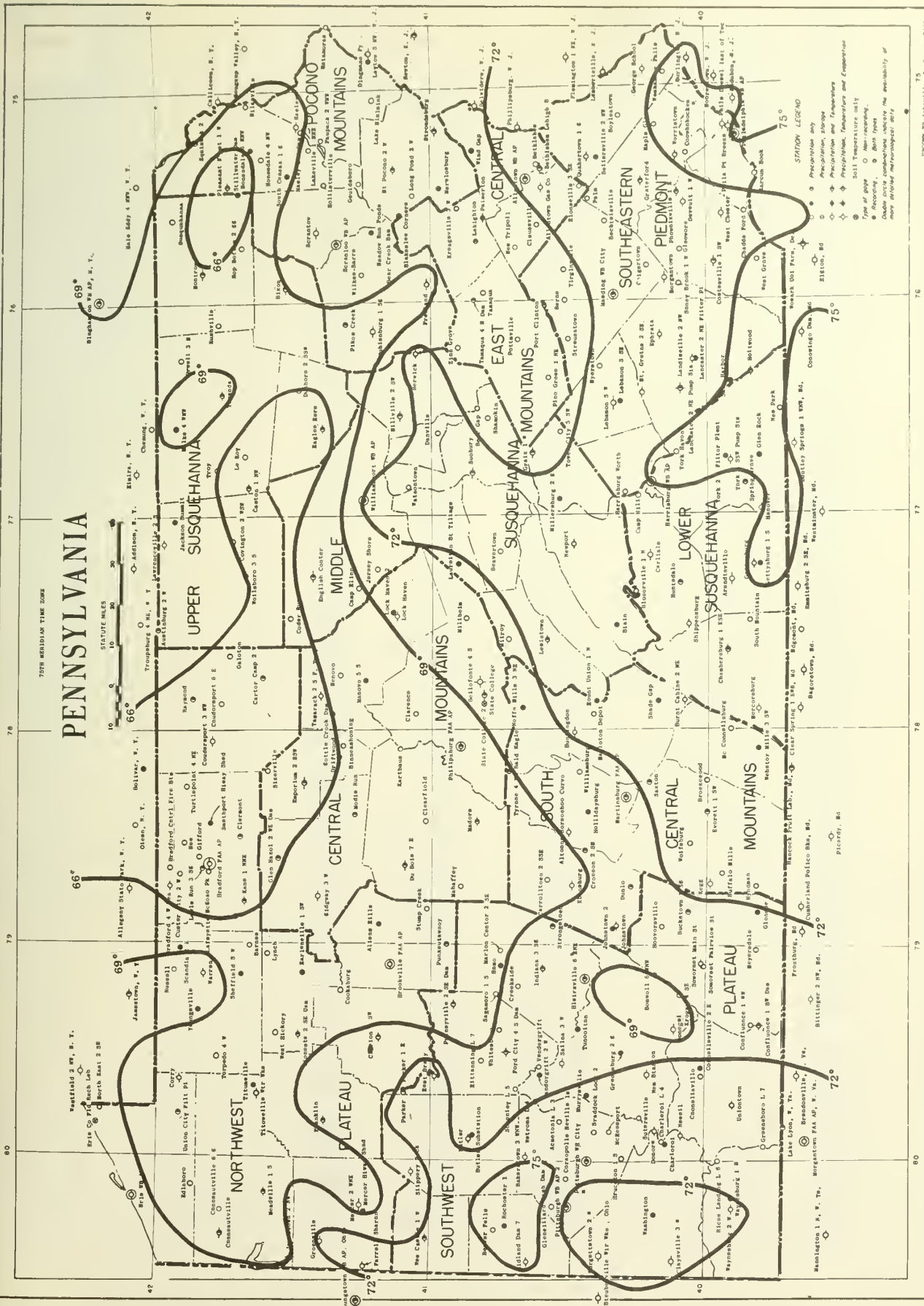
PENNSYLVANIA  
AUGUST 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
AUGUST 1960



Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





# STATION INDEX

PENNSYLVANIA  
AUGUST 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER | STATION                  | INDEX NO.               | COUNTY       | DRAINAGE    | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER |                       |                      |                |                    |  |  |  |
|------------------------|-----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|--------------------------|-------------------------|--------------|-------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|-----------------------|----------------------|----------------|--------------------|--|--|--|
|                        |           |              |          |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |                          |                         |              |             |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |                       |                      |                |                    |  |  |  |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16       | 40 48    | 77 52     | 1180      |                             |         |       |         | G        | PA STATE UNIVERSITY      | WEST GROVE 1 E          | 9903         | CHESTER     | 5        | 39 49     | 75 49     | 840                         |         |       |         |          | CONARD-PYLE CO.       |                      |                |                    |  |  |  |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 5        | 41 42    | 75 29     | 26        |                             |         |       |         | C        | ANTHONY E. SLICK         | WEST HICKORY            | 9907         | FOREST      | 1        | 41 34     | 79 25     | 1090                        | 8A      |       |         |          | MRS. HELEN F. KIMNEAR |                      |                |                    |  |  |  |
| STRAUSS TOWN           | 8570      | BERKS        | 14       | 40 29    | 74 11     | 400       |                             |         |       |         | C        | JACOB KLARR              | WHITESBURG              | 9655         | ARMSTRONG   | 1        | 40 45     | 79 24     | 1530                        | 7A      |       |         |          | CORPS OF ENGINEERS    |                      |                |                    |  |  |  |
| STRONGSTOWN            | 8589      | INDIANA      | 4        | 40 53    | 78 55     | 1860      |                             |         |       |         | C        | HARRY F. BENNETT         | WILKES-BARRE            | 9702         | LAZEBNE     | 15       | 41 15     | 75 22     | 610                         | 7A      |       |         |          | MRS. MARY G. HIRMAK   |                      |                |                    |  |  |  |
| STROUSSBURG            | 8596      | MONROE       | 5        | 40 59    | 75 12     | 480       | 11P                         | 11P     |       |         | C        | WILLIAM HAGERTY          | WILLIAMSBURG            | 9714         | BLAIR       | 6        | 40 28     | 78 12     | 860                         | 7A      |       |         |          | MYRON E. BIDDLE       |                      |                |                    |  |  |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1        | 41 01    | 78 50     | 1320      |                             |         |       |         | 7A       | CORPS OF ENGINEERS       | WILLIAMSPORT WB AP      | 9728         | LYCOMING    | 16       | 41 15     | 76 55     | 527                         | MID     | MID   |         | C        | HJ                    | U.S. WEATHER BUPEAU  |                |                    |  |  |  |
| SUNBURY                | 8668      | NORTHUMBLAND | 19       | 40 52    | 76 47     | 480       | 7A                          | 7A      |       |         | C        | CHARLES W. BATLER        | WIND GAP                | 9781         | NORTHAMPTON | 5        | 40 51     | 75 10     | 765                         |         |       |         |          | C                     | MRS. MARY O. HOELZEL |                |                    |  |  |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15       | 41 57    | 75 36     | 1020      |                             |         |       |         | 7A       | MRS. LAURA A. BENSON     | WOLFSBURG               | 9823         | BEDFORD     | 6        | 40 03     | 78 32     | 1190                        | 7A      |       |         |          |                       | C                    | WALTER C. RICE |                    |  |  |  |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17       | 40 14    | 79 48     | 765       |                             |         |       |         | 7A       | HANCE SEE                | YORK 3 SW PUMP STA      | 9933         | YORK        | 15       | 39 55     | 76 45     | 390                         | 5P      | 5P    |         |          |                       |                      | C              | YORK WATER COMPANY |  |  |  |
| TAMAKUA                | 8758      | SCHUYLKILL   | 14       | 40 48    | 75 58     | 830       |                             |         |       |         | 8A       | MRS. MARY L. ROBERTS     | YORK 2 S FILTER PLANT   | 9938         | YORK        | 15       | 59 56     | 76 44     | 640                         |         |       |         |          |                       |                      |                |                    |  |  |  |
| TAMAKUA & N DAM        | 8763      | SCHUYLKILL   | 14       | 40 51    | 75 59     | 1120      |                             |         |       |         | 7A       | C                        | PANTHER VALLEY WTR. CO. | YORK HAVEN   | 9950        | YORK     | 15        | 40 07     | 76 49                       | 310     | 8A    |         |          |                       |                      |                |                    |  |  |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16       | 41 24    | 77 51     | 2220      | 7A                          | 7A      |       |         | H        | JAMES E. SWARTZ          | YOUNGSVILLE             | 9966         | WARREN      | 1        | 41 51     | 79 20     | 1225                        |         |       |         |          |                       |                      |                |                    |  |  |  |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1        | 41 29    | 79 26     | 1200      | 8A                          | 8A      |       |         | C        | CORPS OF ENGINEERS       | ZION GROVE              | 9990         | SCHUYLKILL  | 19       | 40 54     | 74 19     | 940                         | 7A      |       |         |          |                       |                      |                |                    |  |  |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1        | 41 38    | 79 40     | 1950      |                             |         |       |         | C        | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE         | 9995         | LENIGH      | 14       | 40 28     | 75 27     | 680                         | 8A      |       |         |          |                       |                      |                |                    |  |  |  |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1        | 41 38    | 79 42     | 1220      |                             |         |       |         | 7P       | 7P                       | CITY OF TITUSVILLE      | NEW STATIONS |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TORPEDO & W            | 8901      | WARREN       | 1        | 41 47    | 79 32     | 1795      |                             |         |       |         | 7A       | MRS. LILY B. GARBER      | GRATERFORD 1 E          | 3437         | MONTGOMERY  | 14       | 40 14     | 75 26     | 240                         | 7A      | 7A    |         |          |                       |                      |                |                    |  |  |  |
| TOWANDA                | 8905      | BRADFORD     | 15       | 41 42    | 76 26     | 740       | 7P                          | 7A      |       |         | C        | MRS. M. D. PARRS         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TOWNE CITY 5 SW        | 8910      | DAUPHIN      | 15       | 40 31    | 76 37     | 745       | 6P                          |         |       |         | H        | HARRISBURG WATER DEPT.   |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TROY                   | 8959      | BRADFORD     | 15       | 41 47    | 76 47     | 1100      |                             |         |       |         | 7A       | JENNIE L. BALLARD        |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TUNNELTON              | 8989      | INDIANA      | 4        | 40 27    | 79 23     | 890       |                             |         |       |         | C        | MRS. MARY E. WEIMER      |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TURTLEPOINT & NE       | 9002      | MC KEAN      | 1        | 41 54    | 78 14     | 1640      |                             |         |       |         | 7A       | ROBERT D. STRAIT         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR        | 6        | 40 43    | 78 12     | 1020      |                             |         |       |         | 7A       | FREDERICK L. FRIDAY      |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| UNION CITY FLY PLANT   | 9042      | ERIE         | 1        | 41 55    | 79 48     | 1400      |                             |         |       |         | 7A       | HAROLD W. HAMMOND        |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| UNION TOWN             | 9090      | FAYETTE      | 10       | 39 54    | 79 44     | 1040      | 10P                         |         |       |         |          | W. W. MARSTELLER         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7        | 40 36    | 79 33     | 600       |                             |         |       |         | 7A       | UNITED ENG. & ENGRY. CO. |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7        | 40 36    | 79 36     | 995       |                             |         |       |         | C        | EUGENE P. YOUNG          |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| VIRGINVILLE            | 9196      | BERKS        | 14       | 40 31    | 75 52     | 350       | 8A                          |         |       |         |          | MRS. MARY M. WRIGHT      |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WARREN                 | 9298      | WARREN       | 1        | 41 51    | 78 08     | 1260      | 7P                          | 7A      |       |         | C        | GILBERT M. REIER         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WASHINGTON             | 9312      | WASHINGTON   | 11       | 40 11    | 80 14     | 1200      |                             |         |       |         |          | PA. DEPT. HIGHWAYS       |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WATSON TOWN            | 9545      | NORTHUMBLAND | 16       | 41 05    | 76 52     | 490       | 9P                          |         |       |         |          | WILLIAM B. BIRD          |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      |       |         | C        | SAMUEL B. GREENLEE       |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10       | 39 54    | 80 10     | 940       |                             |         |       |         | C        | SEWAGE DISPOSAL PLANT    |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WESTER HILLS 3 SW      | 9390      | FULTON       | 11       | 39 49    | 78 05     | 920       |                             |         |       |         | C        | WILLIAM D. COVER         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16       | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       |         | C        | MARION L. SHUMWAY        |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |
| WEST CHESTER           | 9464      | CHESTER      | 5        | 39 58    | 75 36     | 440       | 8A                          | 8A      |       |         | C        | DAILY LOCAL NEWS         |                         |              |             |          |           |           |                             |         |       |         |          |                       |                      |                |                    |  |  |  |

1-ALLEGHENY, 2-BEAVER, 3-CONEMAUGH, 4-COLUMBIANA, 5-DELAWARE, 6-JUNIATA, 7-KISKIMINETAS, 8-LAKE ERIE, 9-LEHIGH, 10-MONONGAHELA, 11-OHIO, 12-POTOMAC, 13-LAKE ONTARIO, 14-SCHUYLKILL, 15-SUSQUEHANNA, 16-WEST BRANCH, 17-YOUGHIOGENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table.

H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 9/30/60 --- 1075

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U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

SEPTEMBER 1960

Volume 65    No. 9



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ASHEVILLE: 1960

PENNSYLVANIA - SEPTEMBER 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 93° on the 1st at 3 stations

Lowest Temperature: 32° on the 14th at Coudersport 3 NW

Greatest Total Precipitation: 10.61 inches at Honey Brook 1 W

Least Total Precipitation: 0.28 inch at Farrell Sharon

Greatest One Day Precipitation: 5.96 inches on the 12th at Phoenixville 1 E

SPECIAL WEATHER SUMMARY

In many respects the weather during September was quite "normal". Temperatures were mild although nights were cool, humidity was not unusually high and winds were generally light to gentle, except those associated with severe storms, such as the thunderstorms which were quite numerous throughout the month. Rainfall and cloudiness, however, did not follow the normal pattern. In the west and northwest cloudiness was less pronounced than in eastern sections and precipitation was conspicuous by its absence. This was particularly true in the northwest where less than half the normal monthly rainfall was received, although there have been a number of Septembers when lesser amounts occurred.

Over the remainder of the Commonwealth a totally different rainfall pattern existed. Measurable amounts were reported on 10 - 15 days rather well distributed throughout the month. Rainfall totals varied widely from less than 1 inch in parts of the northwest to over 10 inches in some eastern and southeastern localities. Thunderstorms accounted for a goodly portion of the precipitation, but the greatest storm rainfall occurred as a result of the influence of Hurricane Donna, which moved northward off the New Jersey coast on the 11th and 12th. This resulted in heaviest rain and strongest winds occurring in extreme eastern sections. At Philadelphia the highest wind recorded was 49 mph from the northeast during the morning of the 12th, with the strongest observed gust 59 mph. The lowest barometer was 28.90 inches at 1046

EST (24-hour clock) on the 12th. Reading reported the lowest pressure at 1320 EST with 29.19 inches and the strongest wind of 35 mph from the northwest during the afternoon of the 12th. Allentown had a low pressure of 29.15 inches at 1345 EST on the 12th. Rainfall from the storm ranged from 6 inches in the extreme south eastern section to about 1 inch over the Alleghenies through the central portion of the state. Through the east-central and northeastern counties 3 to 5 inches were common.

Damage from the hurricane was confined to extreme eastern counties, mostly from Allentown south. No major damage was reported but many trees and power lines were felled; homes and streets flooded; traffic disrupted; and minor crop damage to newly-planted seed beds was reported. Heavy rain and inadequate storm sewers or drainage resulted in numerous flooded basements, lawns and streets. Many small streams and creeks, especially in Bucks and Montgomery counties flooded low-lying areas - some to depths of up to 3 feet. Very little flooding occurred along the Schuylkill River as the crest did not exceed bankfull, except at a few low points. Perkiomen Creek in Montgomery County, as well as the Brandywine Creek, in Chester County, had moderate flooding, but no damage of importance was reported.

Nelson M. Kauffman  
State Climatologist  
U. S. Weather Bureau  
Harrisburg, Pennsylvania





# DAILY PRECIPITATION

PENNSYLVANIA  
SEPTEMBER 1960

| Station         | Total | Day of Month |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|-----------------|-------|--------------|-----|-----|-----|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
|                 |       | 1            | 2   | 3   | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |
| ANTONIA LOCK 1  | 1.41  | .03          |     |     | .14 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 2  | 7.44  | .07          | .03 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 3  | 8.21  | 1.04         | .18 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 4  | 4.21  | .07          |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 5  | 3.62  | .19          |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 6  | 1.80  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 7  | 1.81  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 8  | 1.87  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 9  | 7.00  | .14          | .03 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 10 | 6.61  |              | .06 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 11 | 1.32  | T            | T   |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 12 | 4.78  | .30          | .16 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 13 | 8.19  | .20          | .08 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 14 | 4.90  | .86          | .29 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 15 | 7.53  | .11          | .15 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 16 | 7.25  |              |     |     | .02 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 17 | 21.09 | 1.31         | .10 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 18 | 7.02  | .09          |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 19 | 4.35  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 20 | 5.01  | .50          | .01 | T   |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 21 | 3.79  | .06          | .09 | .16 |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 22 | 2.72  | .07          | T   |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 23 | 1.53  | T            |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 24 | 1.31  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 25 | 1.80  | .05          | .29 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 26 | 1.80  | .05          | .29 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 27 | 4.11  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 28 | 3.92  | .41          | .14 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 29 | 3.56  | .08          | T   |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 30 | 4.42  | .03          | .25 |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| ANTONIA LOCK 31 | 3.28  |              |     |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |

See reference notes following Station Index.





# DAILY PRECIPITATION

PENNSYLVANIA  
SEPTEMBER 1960

| Station        | Total | Day of Month |     |     |     |     |     |   |   |     |      |      |      |      |     |     |     |     |      |      |      |     |     |    |     |    |    |    |    |    |     |     |     |     |  |  |
|----------------|-------|--------------|-----|-----|-----|-----|-----|---|---|-----|------|------|------|------|-----|-----|-----|-----|------|------|------|-----|-----|----|-----|----|----|----|----|----|-----|-----|-----|-----|--|--|
|                |       | 1            | 2   | 3   | 4   | 5   | 6   | 7 | 8 | 9   | 10   | 11   | 12   | 13   | 14  | 15  | 16  | 17  | 18   | 19   | 20   | 21  | 22  | 23 | 24  | 25 | 26 | 27 | 28 | 29 | 30  | 31  |     |     |  |  |
| SVILLE         | 9.73  | .21          | .36 |     |     |     |     |   |   |     | .45  | 3.40 | 2.15 |      |     | .09 | .20 | .12 | .34  | 1.42 | .06  |     |     |    |     |    |    |    |    |    | .09 | .31 |     |     |  |  |
| CONY           | 1.20  | T            |     |     |     |     |     |   |   |     | .44  | T    | .19  | .03  | .53 | .01 |     |     |      |      |      |     |     |    |     |    |    |    |    |    |     |     |     |     |  |  |
| CONY           | 6.71  |              | T   | T   |     |     |     |   |   | .78 |      | 1.48 | 1.60 | .33  |     | .06 | .10 | .23 | .54  | 1.05 | .09  |     |     |    |     |    |    |    |    |    |     | .57 | .28 |     |  |  |
| CONY           | 4.64  | .40          | .04 | .37 |     | .13 | .79 |   |   |     | .60  | .62  | 1.30 | .07  |     | .02 |     |     | .49  | .03  |      |     |     |    |     |    |    |    |    |    | .06 | .02 |     |     |  |  |
| CONY           | 3.36  | .07          | .04 |     |     |     |     |   |   |     | .35  | .31  | 1.49 | .22  | .02 |     |     | .03 | .16  |      | .24  | .36 | .03 |    | .01 |    |    |    |    |    |     |     | .03 |     |  |  |
| CHESTER        | 10.06 | .45          | T   |     |     |     |     |   |   |     |      |      |      |      |     |     |     |     |      |      |      |     |     |    |     |    |    |    |    |    |     |     |     |     |  |  |
| GROVE 1 E      | 9.15  | 1.05         |     |     | .06 |     |     |   |   |     | 1.43 | .41  | 3.23 | 2.74 |     |     |     |     | .28  | .52  | .54  | .02 |     |    |     |    |    |    |    |    |     |     | .38 |     |  |  |
| HICKORY        | 1.31  |              | .42 |     |     |     |     |   |   |     | .90  | .23  | 2.40 | 2.64 | .02 |     |     | .03 | .05  | .78  | .79  |     |     |    |     |    |    |    |    |    | .13 | .21 |     |     |  |  |
| PSBURG         | 4.31  | T            |     |     |     |     |     |   |   |     | .73  | .25  |      |      | .33 |     |     |     |      |      |      |     |     |    |     |    |    |    |    |    |     |     |     |     |  |  |
| PSBURG         | 7.88  | .12          | .31 |     | .01 |     |     |   |   |     | .74  | 1.13 | .37  | T    |     |     |     |     | .33  |      | 1.53 |     |     |    |     |    |    |    |    |    |     |     |     |     |  |  |
| PSBURG         | 7.88  | .12          | .31 |     | .01 |     |     |   |   |     | .60  | .20  | 2.00 | 2.23 | .14 |     |     |     | .13  | .05  | 1.22 | .04 |     |    |     |    |    |    |    | T  | .83 |     |     |     |  |  |
| JAMSBURG       | 5.16  | .11          | .07 |     | .24 |     |     |   |   |     | .25  | 1.18 | .89  | .16  | .10 |     |     | T   | 1.47 | .08  | .24  | T   |     |    |     |    |    |    |    |    |     | .24 | .13 |     |  |  |
| JAMSPORT WB AP | 6.34  | .04          |     |     |     |     |     |   |   | .59 | .02  | 1.69 | 1.28 | .19  |     |     |     | T   | .19  | .14  | .57  | .40 |     |    |     |    |    |    |    |    | T   | .74 | .50 |     |  |  |
| JAMSPORT WB AP | 3.42  |              |     |     |     |     |     |   |   |     | .36  | .53  | 1.09 | .04  | T   |     |     |     | .84  | .05  | .25  |     |     |    |     |    |    |    |    |    |     | .01 | .11 |     |  |  |
| SSW PUMP STA   | 6.70  | 1.00         | .05 |     | .11 | .03 |     |   |   |     | 1.17 | .29  | 2.73 | T    |     |     |     |     | .09  | .20  | .64  | .03 |     |    |     |    |    |    |    |    |     |     | .07 | .02 |  |  |
| HAVEN          | 4.94  | .14          |     |     | .04 |     |     |   |   |     | .45  | .24  | 1.96 | 1.20 |     |     |     |     | .24  | .30  | .26  | .02 |     |    |     |    |    |    |    |    |     |     | .02 | .08 |  |  |
| GROVE          | 5.47  | .14          | .45 |     |     |     |     |   |   |     | .32  | .35  | 1.65 |      | .23 |     |     |     | .17  | .25  | .14  | .90 | .02 |    |     |    |    |    |    |    |     |     |     | .90 |  |  |
| SVILLE 3 SE    | 8.62  | 1.58         |     |     |     |     |     |   |   |     | .27  | .55  | 2.25 | 2.36 | .06 |     |     |     | .15  | .61  | .45  | .03 |     |    |     |    |    |    |    |    |     |     | .31 |     |  |  |

## SUPPLEMENTAL DATA

| Station               | Wind direction |                                 | Wind speed m p h. |              |                           | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |       |         | Percent of possible sunshine | Average sky cover sunrise to sunset |              |       |
|-----------------------|----------------|---------------------------------|-------------------|--------------|---------------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|-------|---------|------------------------------|-------------------------------------|--------------|-------|
|                       | Prevailing     | Percent of time from prevailing | Average           | Fastest mile | Direction of fastest mile | Date of fastest mile               | 1:00 a EST | 7:00 a EST | 1:00 p EST | 7:00 p EST                        | Trace | 01-09 | 10-49 | 50-99 | 100-199 |                              |                                     | 200 and over | Total |
| LENTOWN WB AIRPORT    | NE             | 12                              | 6.2               | 30++         | WSW                       | 12                                 | 92         | 94         | 66         | 80                                | 3     | 5     | 3     | 3     | 1       | 1                            | 16                                  | -            | 6.3   |
| IE WB AIRPORT         | SSE            | 18                              | 10.5              | 29++         | SE                        | 25+                                | 80         | 82         | 60         | 72                                | 6     | 1     | 1     | 0     | 1       | 0                            | 9                                   | -            | 6.5   |
| RRISBURG WB AIRPORT   | ESE            | 9                               | 4.1               | 24           | NW                        | 13                                 | 86         | 88         | 60         | 74                                | 3     | 6     | 4     | 0     | 3       | 0                            | 16                                  | 46           | 6.7   |
| ILADELPHIA WB AIRPORT | ENE            | 19                              | 7.3               | 49           | NE                        | 12                                 | 87         | 86         | 63         | 77                                | 6     | 2     | 2     | 2     | 2       | 1                            | 15                                  | 55           | 6.3   |
| TTSBURGH WB AIRPORT 2 | SE             | 11                              | 6.4               | 32++         | NNE                       | 4                                  | 84         | 90         | 59         | 70                                | 7     | 5     | 3     | 1     | 0       | 0                            | 16                                  | 60           | 6.3   |
| ADING WB CITY         | -              | -                               | 7.5               | 40           | W                         | 1                                  | -          | -          | -          | -                                 | 3     | 3     | 6     | 1     | 0       | 1                            | 14                                  | 55           | 6.6   |
| RANTON WB AIRPORT     | SW             | 10                              | 7.2               | 27           | W                         | 13                                 | 86         | 87         | 65         | 78                                | 0     | 1     | 6     | 3     | 1       | 1                            | 12                                  | 53           | 6.3   |
| LIAMSPORT WB AIRPORT  | E              | 10                              | 5.6               | 27++         | WNW                       | 9                                  | 92         | 92         | 65         | 77                                | 6     | 2     | 4     | 4     | 2       | 0                            | 18                                  | -            | 7.0   |

See reference notes following Station Index.

DAILY TEMPERATURES

PENNSYLVANIA SEPTEMBER 196

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various stations such as ALLENTOWN WB AP, ALLENTOWN GAS CO, ALTOONA HORSESHOE CURVE, etc.

See Reference Notes Following Station Index



Continued

DAILY TEMPERATURES

PENNSYLVANIA SEPTEMBER 1960

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows list various stations like MOUNT POCONO 2 N, NEW CASTLE 1 N, etc.

See Reference Notes Following Station Index

## DAILY TEMPERATURES

PENNSYLVANIA  
SEPTEMBER 1960

Continued

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average      |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |              |
| YORK 3 SSW PUMP STA | MAX | 91           | 91 | 85 | 85 | 83 | 82 | 85 | 87 | 88 | 85 | 81 | 69 | 75 | 73 | 77 | 84 | 80 | 70 | 73 | 79 | 76 | 77 | 77 | 79 | 75 | 72 | 79 | 78 | 71 | 83 | 79.7<br>57.4 |
|                     | MIN | 66           | 67 | 52 | 53 | 66 | 59 | 60 | 55 | 64 | 65 | 60 | 60 | 51 | 46 | 46 | 55 | 62 | 63 | 64 | 66 | 63 | 61 | 50 | 50 | 49 | 47 | 45 | 53 | 61 | 63 |              |

## EVAPORATION AND WIND

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total or Avg. |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |               |
| BELLEFONTE 4 S      | EVAP | -            | -   | .15 | .30 | .05 | .25 | .05 | .25 | .30 | .27 | .22 | -   | .25 | .20 | .20 | .15 | .15 | .15 | .10 | .03 | .20 | -   | .20 | .00 | .25 | .10 | .10 | .15 | .03 | .00 | B4.56<br>131  |
|                     | WIND | 5            | 7   | 3   | 3   | 5   | 2   | 4   | 6   | 6   | 8   | 4   | 3   | 5   | 10  | 5   | 3   | 5   | 5   | 1   | 4   | 3   | 3   | 7   | 4   | 6   | 11  | 10  | 2   | 2   | 1   |               |
| CONFLUENCE 1 SW DAM | EVAP | .04          | .16 | .19 | .20 | .14 | .06 | .15 | .17 | .15 | .20 | .08 | .08 | .07 | .06 | .14 | .11 | .12 | .03 | .06 | .07 | .12 | .06 | .12 | .10 | .17 | .12 | .07 | .06 | -   | .03 | B3.24<br>953  |
|                     | WIND | 16           | 40  | 34  | 33  | 41  | 21  | 24  | 28  | 40  | 30  | 31  | 28  | 50  | 48  | 32  | 26  | 32  | 39  | 24  | 26  | 45  | 33  | 54  | 21  | 58  | 31  | 22  | 15  | 18  | 13  |               |
| FORD CITY 4 S DAM   | EVAP | .11          | .23 | .21 | .18 | .10 | .11 | .17 | .17 | .18 | .09 | .16 | .03 | .10 | .11 | .14 | .08 | .11 | .05 | .09 | .24 | .09 | .07 | .14 | .09 | .20 | .13 | .09 | .08 | .07 | .09 | 3.71<br>647   |
|                     | WIND | 4            | 36  | 30  | 21  | 27  | 16  | 10  | 17  | 21  | 23  | 31  | 31  | 54  | 54  | 14  | 22  | 7   | 24  | 9   | 16  | 27  | 8   | 37  | 11  | 39  | 12  | 10  | 14  | 6   | 16  |               |
| JAMESTOWN 2 NW      | EVAP | .19          | .18 | .23 | .11 | .11 | .13 | .14 | .15 | .12 | .13 | .13 | .02 | .16 | .08 | .13 | .06 | .08 | .09 | .06 | .05 | .05 | .11 | .11 | .11 | .16 | .13 | .10 | .08 | .09 | .06 | 3.35<br>459   |
|                     | WIND | 11           | 22  | 20  | 7   | 15  | 13  | 9   | 25  | 4   | 26  | 6   | 9   | 24  | 21  | 17  | 26  | 11  | 25  | 4   | 18  | 3   | 13  | 25  | 22  | 22  | 24  | 9   | 10  | 12  | 6   |               |
| LANDISVILLE 2 NW    | EVAP | .10          | .25 | .18 | .22 | .07 | .14 | .14 | .17 | .17 | .20 | .32 | -   | .30 | .12 | .17 | .11 | .09 | .13 | .01 | .00 | .03 | .12 | .13 | .14 | .11 | .02 | *   | *   | *   | .28 | B3.85<br>1042 |
|                     | WIND | 25           | 41  | 61  | 19  | 10  | 17  | 12  | 33  | 34  | 70  | 75  | 55  | 118 | 35  | 38  | 10  | 12  | 66  | 26  | 10  | 20  | 33  | 36  | 18  | 19  | 32  | 13  | 19  | 24  | 61  |               |

## DAILY SOIL TEMPERATURES

| Station And Depth                  | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average      |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |              |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 80           | 80 | 78 | 76 | 78 | 77 | 80 | 82 | 81 | 78 | 75 | 73 | 72 | 68 | 69 | 69 | 70 | 68 | 69 | 68 | 70 | 71 | 73 | 75 | 74 | 74 | 73 | 71 | 71 | 70 | 73.8<br>70.2 |
|                                    | MIN  | 77           | 77 | 74 | 74 | 74 | 73 | 74 | 77 | 78 | 74 | 72 | 70 | 67 | 63 | 64 | 67 | 67 | 67 | 66 | 67 | 66 | 67 | 67 | 69 | 70 | 70 | 71 | 69 | 67 | 64 |              |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 69           | 67 | 68 | 66 | 66 | 66 | 67 | 68 | 68 | 69 | 69 | 66 | 66 | 67 | 67 | 65 | 66 | 67 | 65 | 66 | 66 | 66 | 67 | 65 | 64 | 62 | 62 | 61 | 62 | 65 | 65.9         |
|                                    |      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 84           | 84 | 82 | 73 | 80 | 83 | 82 | 86 | 83 | 77 | 66 | 61 | 63 | 68 | 68 | 71 | 64 | 67 | 65 | 70 | 69 | 67 | 70 | 71 | 69 | 68 | 67 | 65 | 63 | 68 | 71.8<br>61.3 |
|                                    | MIN  | 67           | 67 | 59 | 61 | 67 | 64 | 64 | 64 | 65 | 67 | 60 | 59 | 56 | 54 | 54 | 61 | 62 | 61 | 62 | 62 | 63 | 63 | 63 | 60 | 61 | 60 | 58 | 58 | 59 | 60 |              |
| 4 INCHES                           | MAX  | 79           | 79 | 76 | 71 | 76 | 77 | 78 | 79 | 78 | 74 | 67 | 62 | 63 | 66 | 66 | 68 | 65 | 66 | 65 | 68 | 68 | 66 | 68 | 68 | 67 | 67 | 66 | 64 | 63 | 66 | 69.5<br>62.6 |
|                                    | MIN  | 68           | 68 | 63 | 63 | 67 | 65 | 66 | 66 | 67 | 68 | 62 | 60 | 58 | 56 | 56 | 62 | 62 | 62 | 63 | 63 | 64 | 63 | 61 | 62 | 61 | 60 | 59 | 60 | 62 | 61 |              |
| 8 INCHES                           | MAX  | 75           | 75 | 72 | 70 | 72 | 73 | 73 | 74 | 73 | 71 | 69 | 64 | 63 | 63 | 64 | 67 | 65 | 66 | 65 | 67 | 67 | 65 | 66 | 66 | 66 | 65 | 64 | 64 | 63 | 64 | 67.7<br>63.9 |
|                                    | MIN  | 69           | 70 | 66 | 66 | 68 | 67 | 68 | 67 | 69 | 69 | 64 | 62 | 60 | 58 | 58 | 62 | 63 | 62 | 63 | 64 | 64 | 64 | 63 | 63 | 63 | 61 | 61 | 61 | 62 | 61 |              |
| 12 INCHES                          | MAX  | 71           | 72 | 72 | 70 | 69 | 70 | 70 | 70 | 70 | 69 | 66 | 63 | 63 | 63 | 65 | 65 | 64 | 64 | 65 | 65 | 66 | 65 | 65 | 65 | 64 | 63 | 63 | 63 | 63 | 63 | 66.4<br>60.5 |
|                                    | MIN  | 69           | 70 | 68 | 67 | 68 | 68 | 68 | 68 | 69 | 69 | 66 | 63 | 62 | 61 | 61 | 62 | 63 | 63 | 63 | 63 | 64 | 64 | 63 | 63 | 63 | 61 | 61 | 62 | 62 | 62 |              |
| 16 INCHES                          | MAX  | 71           | 71 | 71 | 69 | 69 | 70 | 70 | 70 | 70 | 69 | 66 | 65 | 64 | 63 | 65 | 65 | 65 | 65 | 65 | 66 | 66 | 65 | 65 | 65 | 65 | 64 | 63 | 63 | 63 | 63 | 66.6<br>64.9 |
|                                    | MIN  | 69           | 70 | 68 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 66 | 64 | 63 | 62 | 61 | 63 | 63 | 63 | 63 | 63 | 64 | 64 | 64 | 64 | 64 | 63 | 62 | 63 | 63 | 62 |              |

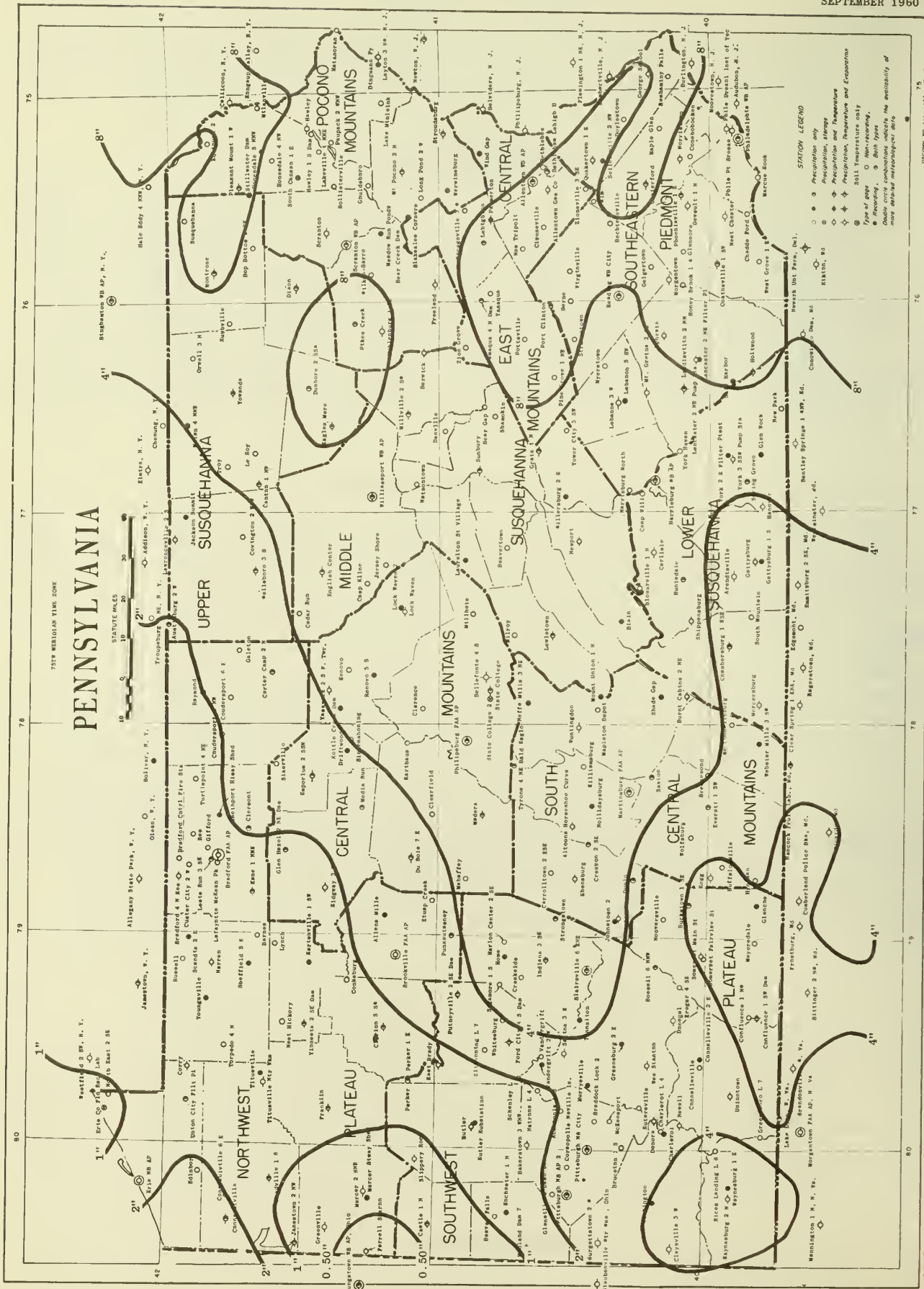
Erie Co Field Resch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# TOTAL PRECIPITATION

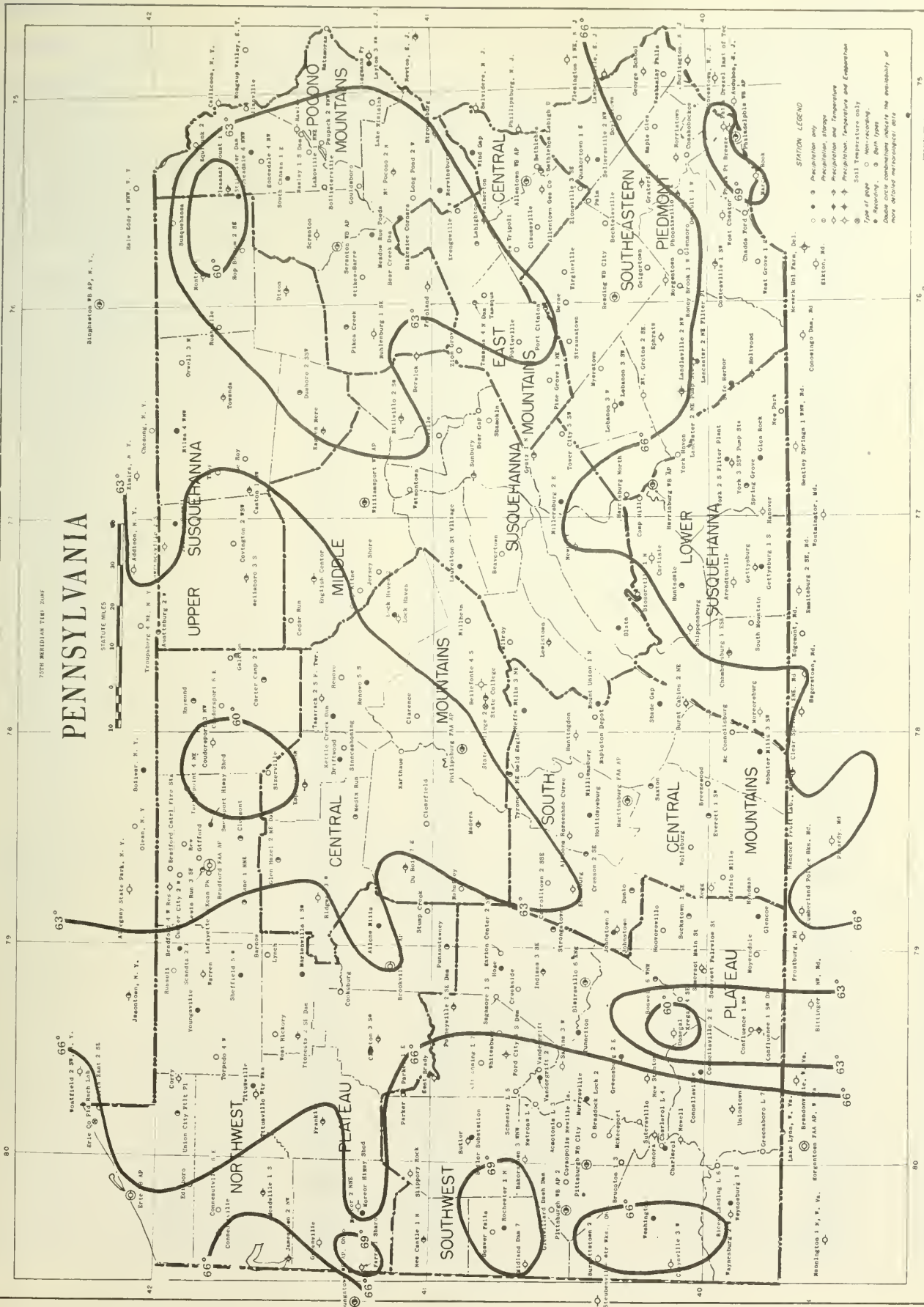
PENNSYLVANIA  
SEPTEMBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
SEPTEMBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





# STATION INDEX

PENNSYLVANIA  
APRIL 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY         | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                          | OBSERVER              | STATION | INDEX NO.   | COUNTY   | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |                        |         | OBSERVER |
|------------------------|-----------|----------------|----------|----------|-----------|-----------|-----------------------------|---------|--------------------------|-----------------------|---------|-------------|----------|----------|----------|-----------|-----------|-----------------------------|------------------------|---------|----------|
|                        |           |                |          |          |           |           | TEMP.                       | PRECIP. | SPECIAL                  |                       |         |             |          |          |          |           |           | TEMP.                       | PRECIP.                | SPECIAL |          |
| STATE COLLEGE 2        | 8497      | CENTRE         | 16 40 48 | 77 32    | 1180      |           |                             | G       | PA. STATE UNIVERSITY     | WEST GROVE 1 E        | 9503    | CHESTER     | 5 39 49  | 75 49    | 440      |           |           | BA                          | CONARD-PYLE CO.        |         |          |
| STILLWATER DAM         | 8498      | SUSQUEHANNA    | 5 41 42  | 75 29    | 118       |           |                             | C       | ANTHONY E. SLICK         | WEST HICKORY          | 9507    | FOREST      | 1 41 54  | 79 25    | 1090     |           |           | BA                          | MRS. HELEN F. FINNAR   |         |          |
| STRAUSTOWN             | 8470      | BENIS          | 14 40 29 | 76 11    | 600       |           |                             | BA      | JACOB KLAMR              | WHITESBURG            | 9655    | ARMSTRONG   | 1 40 45  | 79 24    | 1530     |           |           | 7A                          | TOPPS OF ENGINEERS     |         |          |
| STRONGSTOWN            | 8589      | INDIANA        | 4 40 55  | 78 53    | 1880      |           |                             | C       | HARRY F. BENNETT         | WILKES-BARRE          | 9702    | LAZERNE     | 15 41 15 | 75 52    | 610      |           |           | 7A                          | MRS. MARY G. HILMAR    |         |          |
| STROUDSBORO            | 8596      | HONDE          | 5 40 59  | 75 12    | 460       | 11P       | 11P                         | C       | WILLIAM HAGERTY          | WILLIAMSBURG          | 9714    | BLAIR       | 6 40 28  | 78 12    | 660      |           |           | 7A                          | BYRON K. BIDDLE        |         |          |
| STUMP CREEK            | 8410      | JEFFERSON      | 1 41 01  | 78 40    | 1520      |           |                             | 7A      | CORPS OF ENGINEERS       | WILLIAMSPORT WB AP    | 9728    | LYCOMING    | 14 41 15 | 76 55    | 527      | MID HIU   |           | C                           | U.S. WEATHER BUREAU    |         |          |
| SUNBURY                | 8648      | NORTHUMBERLAND | 15 40 52 | 76 47    | 480       | 7A        | 7A                          | C       | CHARLES W. BAYLEN        | WIND GAP              | 9781    | NORTHAMPTON | 5 40 51  | 75 18    | 765      |           |           | C                           | MRS. MARY D. HOELZEL   |         |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA    | 13 41 57 | 75 16    | 1020      |           |                             | 7A      | MRS. LAURA A. BENSON     | WOLFSBURG             | 9825    | BERFORD     | 6 40 03  | 78 32    | 1190     |           |           | 7A                          | WALTER C. RICE         |         |          |
| SETTERSVILLE           | 8699      | ALLEGHENY      | 17 40 14 | 79 48    | 785       |           |                             | 7A      | HANCE SEE                | YORK 3 SSW PUMP STA   | 9955    | YORK        | 15 39 55 | 78 45    | 390      | SP        | SP        | C                           | YORK WATER COMPANY     |         |          |
| TARAZGA                | 8758      | SCHUYLKILL     | 14 40 48 | 75 38    | 890       |           |                             | BA      | MRS. MARY L. NOBERTS     | YORK 2 S FILTER PLANT | 9958    | YORK        | 15 59 56 | 76 44    | 640      |           |           | C                           | YORK WATER COMPANY     |         |          |
| TANAHIA & N DAN        | 8765      | SCHUYLKILL     | 14 40 51 | 75 39    | 1120      |           |                             | 7A      | PANTHER VALLEY WTR. CO.  | YORK HAVEN            | 9950    | YORK        | 15 40 07 | 76 43    | 110      |           |           | BA                          | METROPOLITAN EDISON    |         |          |
| TANARACK 2 S FIRE TWR  | 8770      | CLINTON        | 16 41 24 | 77 51    | 2220      | 7A        | 7A                          | C       | JAMES E. SWANTZ          | YOUNGVILLE            | 9966    | WARREN      | 1 41 51  | 79 20    | 1225     |           |           | C                           | HENRY CARLETT          |         |          |
| TITONESTA 2 SE DAM     | 8875      | FOREST         | 1 41 29  | 79 26    | 1200      | 8A        | 8A                          | C       | CORPS OF ENGINEERS       | ZION GROVE            | 9990    | SCHUYLKILL  | 15 40 54 | 76 15    | 940      |           |           | 7A                          | JAMES O. TEETER        |         |          |
| TITUSVILLE             | 8885      | CRAWFORD       | 1 41 18  | 79 40    | 1590      |           |                             | C       | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE       | 9995    | LEHIGH      | 14 40 28 | 75 27    | 680      |           |           | BA                          | LESLIE HOWATT          |         |          |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD       | 1 41 18  | 79 42    | 1220      | 7P        | 7P                          | C       | CITY OF TITUSVILLE       | NEW STATIONS          |         |             |          |          |          |           |           |                             |                        |         |          |
| TORPEDO 4 W            | 8901      | WARREN         | 1 41 47  | 79 32    | 1755      |           |                             | 7A      | MRS. LILY B. GARBER      | EMPORIUM 1 N          | 2659    | CAHERON     | 16 41 32 | 78 16    | 1560     | 8A        | 8A        | C                           | MRS. TALLIE M. BRITTON |         |          |
| TOWANDA                | 8905      | BRADFORD       | 15 41 46 | 76 26    | 760       | 7P        | 7P                          | C       | MRS. M. O. PARES         | PUBLICATION ENDED     |         |             |          |          |          |           |           |                             |                        |         |          |
| TOWER CITY 5 SW        | 8910      | DAUPHIN        | 13 40 51 | 76 57    | 785       |           |                             | 6P      | HARRISBURG WATER DEPT.   | EMPORIUM 2 SSW        | 2674    | CAHERON     | 16 41 28 | 78 15    | 1735     | 7A        | 7A        | C                           | EFFECTIVE 6/60         |         |          |
| TROY                   | 8959      | BRADFORD       | 15 41 47 | 76 47    | 1100      |           |                             | 7A      | JENNIE L. BALLARD        |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| TUNNELTON              | 8989      | INDIANA        | 4 40 27  | 79 23    | 890       |           |                             | C       | MRS. MARY E. WEJMER      |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| TURTLEPOINT & NE       | 9002      | MC KEAN        | 1 41 54  | 78 16    | 1640      |           |                             | 7A      | ROBERT O. STRAIT         |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR          | 8 40 49  | 78 12    | 1020      |           |                             | 7A      | FREDERICK L. FRIODAY     |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| UNION CITY FILT PLANT  | 9042      | ERIE           | 1 41 55  | 79 48    | 1400      |           |                             | 7A      | HAROLD W. HAMMOND        |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| UNIONTOWN              | 9030      | FAYETTE        | 10 59 54 | 79 44    | 1040      | 10P       | 10P                         | C       | WM. W. MARSTELLER        |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| VANDERGRIFT            | 9124      | WESTMORELAND   | 7 40 56  | 79 55    | 800       |           |                             | 7A      | UNITED ENG. & FNDRY. CO. |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND   | 7 40 56  | 79 56    | 995       |           |                             | C       | EUGENE R. YOUNG          |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| VIRGINVILLE            | 9196      | BENIS          | 14 40 51 | 75 52    | 550       |           |                             | BA      | MRS. MARY M. WRIGHT      |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WARREN                 | 9298      | WARREN         | 1 41 51  | 79 08    | 1280      | 7P        | 7P                          | C       | GILBERT M. REIER         |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WASHINGTON             | 9312      | WASHINGTON     | 11 40 11 | 80 14    | 1200      |           |                             | C       | PA. DEPT. HIGHWAYS       |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WATSONTOWN             | 9345      | NORTHUMBERLAND | 16 41 05 | 76 52    | 490       |           |                             | 9P      | WILLIAM DIRD             |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WAYNESBURG 2 W         | 9362      | GREENE         | 10 59 54 | 80 15    | 980       | 6P        | 7A                          | C       | SAMUEL B. GREENLEE       |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WAYNESBURG 1 E         | 9367      | GREENE         | 10 59 54 | 80 10    | 940       |           |                             | C       | SEWAGE DISPOSAL PLANT    |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WEBSTER HILLS 5 SW     | 9580      | FULTON         | 12 39 49 | 78 05    | 920       |           |                             | C       | WILLIAM O. COVER         |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WELLSBORO 5 S          | 9408      | TIOGA          | 16 41 45 | 77 16    | 1920      | 7A        | 7A                          | C       | HARION L. SHUMWAY        |                       |         |             |          |          |          |           |           |                             |                        |         |          |
| WEST CHESTER           | 9444      | CHESTER        | 5 59 58  | 75 36    | 440       | 8A        | 8A                          | C       | DAILY LOCAL NEWS         |                       |         |             |          |          |          |           |           |                             |                        |         |          |

1-ALLEGHENY; 2-BEAVER; 3-CONEMAUCH; 4-CONEMAUCH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-HONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUIGHOGENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sum of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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INP

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

OCTOBER 1960  
Volume 65 No. 10



ASHEVILLE: 1960

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PENNSYLVANIA - OCTOBER 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 85° on the 15th at York 3 SSW Pump Sta

Lowest Temperature: 20° on the 26th at Claysville 3 W and  
Waynesburg 2 W

Greatest Total Precipitation: 3.20 inches at Chadds Ford

Least Total Precipitation: 0.40 inch at Bloserveville 1 N

Greatest One-Day Precipitation: 2.04 inches on the 20th at Chadds  
Ford

Greatest Reported Total Snowfall: 10.4 inches at Torpedo 4 W

Greatest Reported Depth of Snow on Ground: 8 inches on the 24th at  
Lynch

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are checked for accuracy and completeness and placed on punch cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.





DAILY PRECIPITATION

PENNSYLVANIA  
OCTOBER 1960

Table with columns: Station, Total, Day of Month (1-31), and precipitation values. Includes stations like METONIA LOCK 3, LENTOWN WB AP, etc.

See reference notes following Station Index





# DAILY PRECIPITATION

PENNSYLVANIA  
OCTOBER 1960

Continued

| Station            | Total | Day of Month |     |   |   |     |     |   |   |   |     |    |    |    |     |     |     |    |    |      |     |    |     |     |     |     |     |     |     |     |     |     |
|--------------------|-------|--------------|-----|---|---|-----|-----|---|---|---|-----|----|----|----|-----|-----|-----|----|----|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                    |       | 1            | 2   | 3 | 4 | 5   | 6   | 7 | 8 | 9 | 10  | 11 | 12 | 13 | 14  | 15  | 16  | 17 | 18 | 19   | 20  | 21 | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |
| IRGINVILLE         | 1.09  | .22          |     |   |   |     | .05 |   |   |   |     |    |    |    |     |     |     |    |    | .07  | .52 |    |     | .14 | T   |     |     |     |     |     |     | .09 |
| ARREN              | 1.78  | .17          | T   | T |   | .07 | .11 |   |   |   |     |    |    |    |     | .40 | T   |    |    | .27  | .09 |    | .17 | .33 | .12 |     | .05 | T   |     |     |     |     |
| ATSONTOWN          | 1.34  |              | T   |   | T | .28 | .14 |   |   |   |     |    |    |    |     | .13 |     |    |    | .50  | .10 |    | .10 | .26 |     |     |     |     |     |     |     |     |
| AYNESBURG 2 W      | 1.94  | .02          | .39 |   |   | .14 |     |   |   |   | .30 |    |    |    |     |     |     |    |    | .68  |     |    | .01 | .03 |     |     |     |     |     |     |     |     |
| ELLSBORO 3 S       | 1.23  | .10          | .02 |   |   | .07 | .08 |   |   |   |     |    |    |    |     |     |     |    |    | .04  | .74 | T  |     | .12 | .06 |     |     |     |     |     |     |     |
| EST CHESTER        | 2.80  | .03          |     |   |   | T   | .12 |   |   |   |     |    |    |    | T   |     |     |    |    | 1.75 | .02 |    | .05 | T   |     |     |     | .03 | .66 | .06 | .08 |     |
| EST GROVE 1 E      | 2.30  | .05          |     |   |   |     |     |   |   |   |     |    |    |    |     |     |     |    |    | 1.39 | .14 |    | .08 |     |     |     |     | .05 | .47 | .12 | T   |     |
| EST NICKORY        | 1.85  | .28          | .05 |   |   | .21 |     |   |   |   |     |    |    |    |     | .18 | .02 |    |    | .03  | .43 |    | .02 | .15 | .12 |     | .10 |     |     |     |     |     |
| HITESBURG          | 1.72  |              |     |   |   | .18 |     |   |   |   |     |    |    |    |     |     |     |    |    | .85  |     |    | T   | .13 |     |     | .36 |     |     |     |     |     |
| ILKES BARRE        | 1.64  | .34          | T   |   |   | .13 | .19 |   |   |   |     |    |    |    |     |     |     |    |    | .60  | T   |    | .20 | .18 | T   |     |     |     |     |     |     |     |
| LILLIAMSBURG       | 1.80  | .36          | .09 | T |   | .15 | .08 |   |   |   |     |    |    |    | .23 | .16 |     |    |    | .33  |     |    | .17 | T   | .23 |     |     |     |     |     |     |     |
| LILLIAMSBURG WB AP | 1.78  |              | .01 |   | T | .40 |     |   |   |   |     |    |    |    | .04 |     |     |    |    | .44  | .08 |    | .08 | .13 | T   |     |     |     |     |     | .60 |     |
| OLDSBURG           | .96   | .15          | .19 |   |   | .03 | .05 |   |   |   |     |    |    |    |     |     |     |    |    | .24  |     |    |     | .13 | .14 |     |     | .01 |     |     |     |     |
| ORK 3 SSW PUMP STA | 1.14  | .06          | .12 |   |   | .03 |     |   |   |   |     |    |    |    |     |     |     |    |    | .75  |     |    | .06 | .07 |     |     |     |     |     |     | .04 |     |
| ORK HAVEN          | 1.38  | .05          | .04 |   |   | .02 | .01 |   |   |   |     |    |    |    |     |     |     |    |    | 1.20 | T   |    | .06 |     |     |     |     |     |     |     |     |     |
| ION GROVE          | 1.77  | .20          |     |   |   | .02 | .10 |   |   |   |     |    |    |    |     |     |     |    |    |      |     |    |     |     |     |     |     |     |     |     |     |     |
| LIONSVILLE 3 SE    | 1.26  | .05          | T   |   |   | T   |     |   |   |   |     |    |    |    |     |     |     |    |    |      |     |    |     |     |     | .30 |     |     |     | .18 | T   | .01 |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |        |         |         |           |               | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|--------|---------|---------|-----------|---------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average    | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | W              | 13                              | 7.9        | 30++         | WSW                       | 24                   | 85                                   | 87         | 54         | 70         | 3                                 | 5      | 2       | 1       | 0         | 0             | 11                           | -                                   | 5.5   |
| ERIE WB AIRPORT         | SSE            | 13                              | 11.8       | 35++         | WNW                       | 23                   | 72                                   | 74         | 59         | 71         | 2                                 | 3      | 8       | 0       | 0         | 0             | 13                           | -                                   | 6.3   |
| HARRISBURG WB AIRPORT   | W              | 14                              | 5.3        | 27           | NW                        | 25+                  | 78                                   | 79         | 51         | 66         | 6                                 | 2      | 2       | 1       | 0         | 0             | 11                           | 52                                  | 6.4   |
| PHILADELPHIA WB AIRPORT | WSW            | 13                              | 8.2        | 29           | NW                        | 25                   | 78                                   | 81         | 56         | 71         | 1                                 | 6      | 2       | 1       | 1         | 0             | 11                           | 58                                  | 5.5   |
| PITTSBURGH WB AIRPORT 2 | WNW            | 9                               | 7.0        | 22++         | NW                        | 24+                  | 72                                   | 79         | 52         | 59         | 5                                 | 6      | 3       | 1       | 0         | 0             | 15                           | 68                                  | 6.5   |
| READING WB CITY         | -              | -                               | 8.9        | 45           | W                         | 24                   | -                                    | -          | -          | -          | 2                                 | 7      | 2       | 1       | 0         | 0             | 12                           | 68                                  | 5.2   |
| SCRANTON WB AIRPORT     | ENE            | 11                              | 8.0        | 24           | NW                        | 24+                  | 76                                   | 80         | 50         | 64         | 3                                 | 2      | 5       | 0       | 0         | 0             | 10                           | 57                                  | 5.9   |
| WILLIAMSPORT WB AIRPORT | W              | 12                              | 6.0        | 22           | WNW                       | 24                   | 86                                   | 89         | 56         | 72         | 4                                 | 4      | 3       | 1       | 0         | 0             | 12                           | -                                   | 6.5   |

See reference notes following Station Index.







Continued

### DAILY TEMPERATURES

PENNSYLVANIA  
OCTOBER 1960

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| YORK 3 SSW PUMP STA | MAX | 80           | 69 | 70 | 68 | 68 | 74 | 69 | 70 | 75 | 78 | 82 | 81 | 77 | 81 | 85 | 83 | 74 | 73 | 71 | 66 | 57 | 60 | 58 | 55 | 56 | 54 | 57 | 59 | 59 | 68 | 58 | 68.9    |
|                     | MIN | 43           | 36 | 51 | 42 | 39 | 56 | 38 | 36 | 50 | 43 | 45 | 41 | 41 | 49 | 54 | 53 | 46 | 41 | 46 | 53 | 30 | 30 | 40 | 36 | 37 | 27 | 41 | 45 | 50 | 33 | 41 | 42.4    |

### EVAPORATION AND WIND

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total<br>Evap<br>or<br>Avg |      |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------|------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |                            |      |
| BELLEFONTE 4 S      | EVAP | .05          | .20 | .05 | .15 | .10 | .00 | .15 | .15 | -   | .15 | .20 | .00 | .30 | .10 | .00 | .20 | .00 | .05 | .10 | .14 | .10 | .00 | .05 | .00 | .28 | .00 | .05 | .05 | .05 | .05 | .05 | .05                        | 2.86 |
|                     | WIND | 8            | 3   | 7   | 5   | 3   | 10  | 7   | 3   | 3   | 2   | 7   | 1   | 11  | 2   | 3   | 4   | 3   | 7   | 3   | 3   | 8   | 4   | 6   | 11  | 21  | 11  | 1   | 4   | 2   | 1   | 2   | 188                        |      |
| CONFLUENCE 1 SW DAM | EVAP | .16          | .09 | .04 | .09 | .07 | .07 | .03 | .12 | .04 | .01 | .11 | .12 | .08 | .07 | .07 | .10 | .02 | .11 | .08 | .00 | .08 | .05 | .07 | .02 | .05 | .03 | .01 | .03 | .06 | .04 | .07 | 1.99                       |      |
|                     | WIND | 66           | 29  | 46  | 39  | 24  | 26  | 43  | 33  | 17  | 13  | 33  | 53  | 17  | 38  | 23  | 21  | 24  | 47  | 35  | 48  | 82  | 28  | 43  | 122 | 108 | 55  | 14  | 48  | 26  | 28  | 40  | 1269                       |      |
| FORD CITY 4 S DAM   | EVAP | .09          | .10 | .02 | .09 | .09 | .10 | .13 | .09 | .04 | .07 | .11 | .10 | .11 | .07 | .08 | .07 | .06 | .10 | .07 | .01 | .07 | .04 | .07 | .08 | .05 | .02 | .02 | .05 | .04 | .06 | .07 | 2.17                       |      |
|                     | WIND | 32           | 17  | 38  | 27  | 20  | 32  | 50  | 15  | 14  | 19  | 19  | 50  | 13  | 5   | 14  | 9   | 16  | 34  | 15  | 30  | 51  | 14  | 43  | 104 | 128 | 39  | 7   | 15  | 10  | 6   | 22  | 908                        |      |
| JAMESTOWN 2 NW      | EVAP | .04          | .12 | .01 | .09 | .07 | .08 | .14 | .06 | .05 | .10 | .10 | .05 | .11 | .07 | .09 | .08 | .05 | .13 | .06 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -                          | -    |
|                     | WIND | 13           | 15  | 28  | 12  | 11  | 41  | 10  | 9   | 10  | 12  | 21  | 22  | 21  | 6   | 5   | 14  | 23  | 18  | 22  | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -                          | -    |
| LANDISVILLE 2 NW    | EVAP | .18          | .18 | .11 | .17 | .06 | .10 | .11 | .08 | .07 | .07 | .06 | .22 | .24 | .05 | .04 | .08 | .07 | .13 | .12 | .08 | .12 | .09 | .05 | .01 | .19 | .02 | .15 | .04 | .04 | .14 | .08 | 3.15                       |      |
|                     | WIND | 17           | 65  | 51  | 76  | 5   | 61  | 37  | 59  | 15  | 15  | 29  | 60  | 53  | 14  | 26  | 19  | 35  | 41  | 34  | 96  | 74  | 56  | *   | 159 | 114 | 105 | *   | 40  | 102 | 51  | 50  | 1559                       |      |

### DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth            | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 64           | 61 | 63 | 64 | 63 | 64 | 62 | 61 | 61 | 62 | 62 | 61 | 60 | 64 | 64 | 63 | 61 | 59 | 57 | 55 | 51 | 51 | 51 | 51 | 46 | 46 | 50 | 51 | 51 | 50 | 57.4 |         |
|                                    | MIN  | 60           | 58 | 59 | 60 | 59 | 62 | 59 | 56 | 57 | 57 | 59 | 57 | 56 | 59 | 62 | 61 | 58 | 57 | 55 | 51 | 49 | 48 | 50 | 46 | 45 | 44 | 46 | 44 | 47 | 47 | 49   | 54.2    |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 63           | 59 | 60 | 59 | 58 | 60 | 57 | 56 | 56 | 56 | 58 | 58 | 56 | 60 | 61 | 61 | 60 | 57 | 57 | 60 | 51 | 53 | 50 | 49 | 46 | 44 | 48 | 50 | 50 | 49 | 50   | 55.2    |
|                                    |      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 63           | 59 | 59 | 60 | 59 | 59 | 59 | 58 | 60 | 62 | 61 | 62 | 64 | 66 | 62 | 60 | 59 | 54 | 52 | 49 | 49 | 47 | 44 | 47 | 44 | 47 | 51 | 53 | 53 | 54 | 48   | 56.3    |
|                                    | MIN  | 53           | 51 | 52 | 50 | 50 | 54 | 49 | 48 | 50 | 50 | 53 | 50 | 49 | 52 | 54 | 56 | 50 | 49 | 49 | 45 | 43 | 42 | 45 | 39 | 38 | 38 | 42 | 45 | 43 | 41 | 45   | 47.6    |
| 4 INCHES                           | MAX  | 61           | 58 | 58 | 58 | 58 | 59 | 57 | 57 | 59 | 60 | 60 | 59 | -  | -  | 63 | 61 | 59 | 57 | 54 | 53 | 48 | 51 | 49 | 48 | 44 | 47 | 49 | 52 | 52 | 52 | 48   | 54.9    |
|                                    | MIN  | 55           | 53 | 54 | 51 | 52 | 55 | 51 | 50 | 52 | 52 | 54 | 52 | -  | -  | 55 | 57 | 52 | 50 | 50 | 47 | 45 | 43 | 46 | 41 | 40 | 39 | 43 | 45 | 45 | 43 | 46   | 49.2    |
| 8 INCHES                           | MAX  | 62           | 59 | 58 | 57 | 57 | 58 | 56 | 56 | 57 | 57 | 58 | 58 | 58 | 59 | 60 | 58 | 56 | 54 | 54 | 50 | 50 | 50 | 50 | 45 | 46 | 48 | 48 | 50 | 50 | 50 | 48   | 54.5    |
|                                    | MIN  | 58           | 56 | 56 | 54 | 54 | 56 | 54 | 52 | 53 | 54 | 55 | 54 | 53 | 54 | 56 | 58 | 55 | 53 | 52 | 50 | 48 | 47 | 47 | 45 | 43 | 43 | 45 | 47 | 46 | 46 | 48   | 51.4    |
| 12 INCHES                          | MAX  | 63           | 61 | 59 | 58 | 58 | 58 | 57 | 57 | 56 | 57 | 57 | 57 | 58 | 58 | 59 | 58 | 57 | 56 | 55 | 53 | 51 | 51 | 51 | 48 | 47 | 48 | 49 | 50 | 50 | 50 | 50   | 55.0    |
|                                    | MIN  | 60           | 58 | 58 | 56 | 56 | 57 | 56 | 55 | 55 | 56 | 56 | 56 | 55 | 56 | 57 | 58 | 57 | 56 | 55 | 53 | 51 | 50 | 50 | 48 | 46 | 46 | 47 | 48 | 49 | 48 | 49   | 53.5    |
| 16 INCHES                          | MAX  | 63           | 62 | 60 | 59 | 59 | 58 | 58 | 57 | 57 | 57 | 57 | 58 | 57 | 58 | 58 | 59 | 59 | 58 | 56 | 54 | 52 | 52 | 52 | 50 | 49 | 49 | 49 | 50 | 51 | 50 | 50   | 55.8    |
|                                    | MIN  | 61           | 59 | 59 | 57 | 57 | 57 | 57 | 56 | 56 | 57 | 57 | 57 | 56 | 57 | 57 | 58 | 57 | 56 | 55 | 54 | 52 | 51 | 51 | 49 | 48 | 48 | 48 | 49 | 49 | 49 | 50   | 54.3    |

Erie Co Field Rsch Lah - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

See Reference Notes Following Station Index

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
OCTOBER 1960

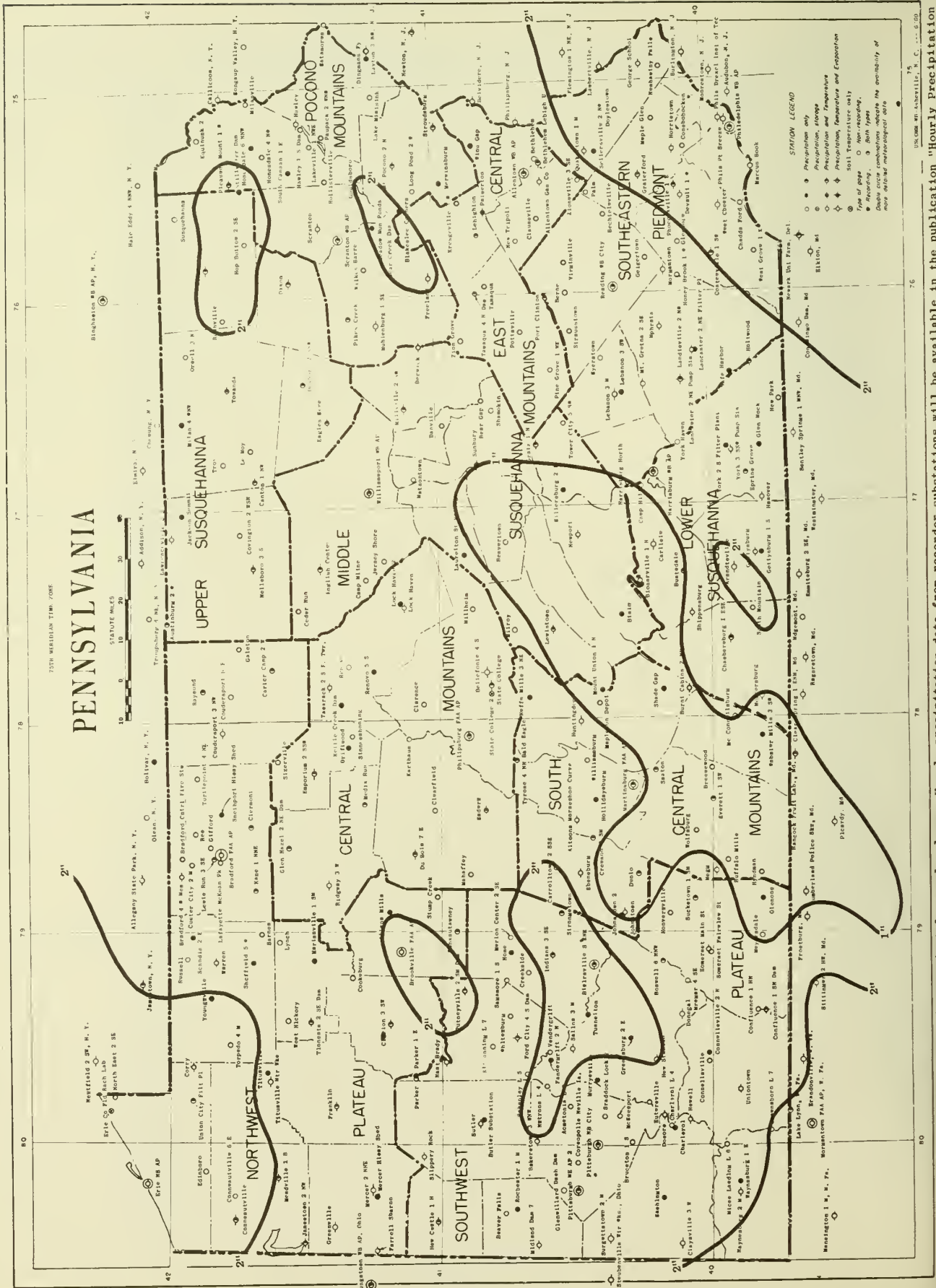
| Station                 | Day of month |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
|-------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----------|---------|----|----|----|----|---|---|--|
|                         | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25       | 26       | 27      | 28 | 29 | 30 | 31 |   |   |  |
| ALLENTOWN WB AIRPORT    |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T        | T        |         |    |    |    |    |   |   |  |
| AUSTINBURG 2 W          |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          | T       |    |    |    |    |   |   |  |
| BRADFORD 4 W RES        |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | T  |    |    | S.5<br>6 | 1.3<br>4 |         |    |    |    |    |   |   |  |
| BROOKVILLE FAA AIRPORT  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.0<br>T | T        |         |    |    |    |    |   |   |  |
| CANTON 1 NW             |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T        | T        |         |    |    |    |    |   |   |  |
| CARROLLTOWN 2 SSE       |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T        | 1.0<br>1 | T       |    |    |    |    |   |   |  |
| CORRY                   |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | .4 |    | 7.0<br>4 | 1        |         |    |    |    |    |   |   |  |
| DONEGAL                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T        |          |         |    |    |    |    |   |   |  |
| DU BOIS 7 E             |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.0<br>1 |          |         |    |    |    |    |   |   |  |
| ERIE WB AIRPORT         |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | T  |    | T        | T        |         |    |    |    |    |   |   |  |
| EVERETT 1 SW            |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          | 1.5     |    |    |    |    |   |   |  |
| FORD CITY 4 S DAM       |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1.0      |         |    |    |    |    |   |   |  |
| GALETON                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | T        | .2<br>T  | T       |    |    |    |    |   |   |  |
| HANOVER                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          | T       |    |    |    |    |   |   |  |
| HARRISBURG WB AIRPORT   |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | T        |         |    |    |    |    |   |   |  |
| HOLTWOOD                |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          | T       |    |    |    |    |   |   |  |
| HOOVERSVILLE            | -            | - | - | - | - | - | - | - | - | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -        | -        | -       | -  | -  | -  | -  | - | - |  |
| INDIANA 3 SE            |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | T        | .7<br>T |    |    |    |    |   |   |  |
| KANE 1 NNE              |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| LANCASTER 2 NE PUMP STA |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| LAWRENCEVILLE 2 S       |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| LEWISTOWN               |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| MARTINSBURG FAA AIRPORT |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| MEADVILLE 1 S           |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| MEDIX RUN               |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| MONTROSE                |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| NEWPORT                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| PHILIPSBURG FAA AIRPORT |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| PITTSBURGH WB AIRPORT 2 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| PLEASANT MOUNT 1 W      |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| READING WB CITY         |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| SCRANTON WB AIRPORT     |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| SHIPPENSBURG            |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| TAMARACK 2 S FIRE TOWER |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| TIONESTA 2 SE DAM       |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| TOWANDA                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |
| TOWER CITY 5 SW         |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |          |         |    |    |    |    |   |   |  |

See reference notes following Station Index.



# TOTAL PRECIPITATION

PENNSYLVANIA  
OCTOBER 1960

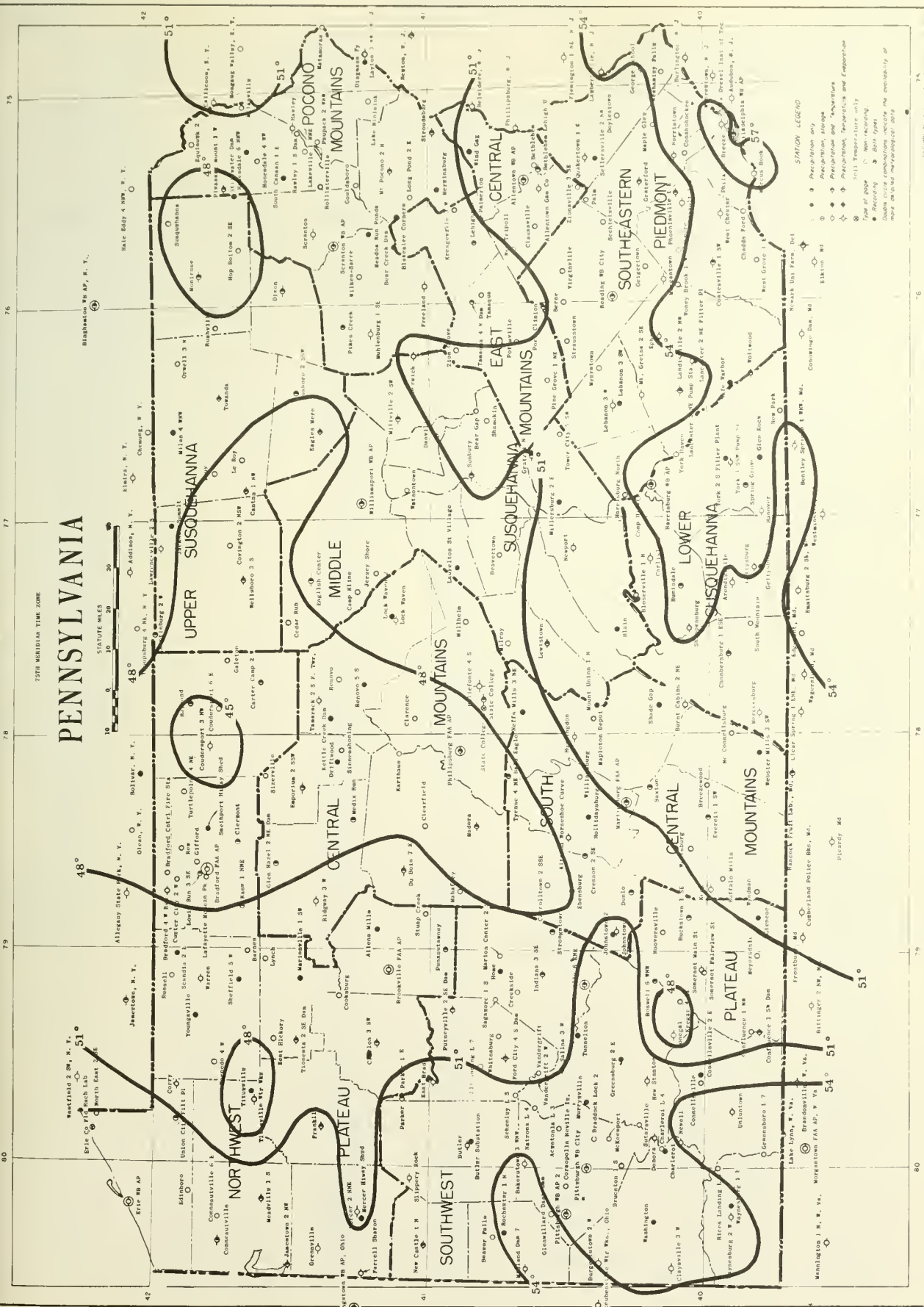


Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
OCTOBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

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Table with columns: STATION, COUNTY, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. The table lists numerous weather stations across Pennsylvania, including locations like Allentown, Harrisburg, and Philadelphia, with their respective coordinates and observation details.

# STATION INDEX

PENNSYLVANIA  
OCTOBER 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       | OBSERVER                 | STATION | INDEX NO.   | COUNTY | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                         | OBSERVER |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|--------------------------|---------|-------------|--------|------------|----------|-----------|-----------|-----------------------------|---------|-------------------------|----------|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. |                          |         |             |        |            |          |           |           | TEMP.                       | PRECIP. | EVAP.                   |          |
| STATE COLLEGE          | 8449      | CENTRE       | 16         | 40 48    | 77 52     | 1175      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY     | 9464    | CHESTER     | 3      | 39 58      | 75 36    | 440       | 8A        | 8A                          | C       | DAILY LOCAL NEWS        |          |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16         | 40 48    | 77 52     | 1180      | 7A                          | 7A      | G     | PA. STATE UNIVERSITY     | 9503    | CHESTER     | 5      | 39 49      | 75 49    | 440       | 8A        | 8A                          | C       | CONARD-PYLE CO.         |          |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 5          | 41 42    | 78 28     | 16        |                             |         | C     | ANTHONY E. SLICK         | 9507    | FOREST      | 1      | 41 24      | 79 25    | 1090      | 8A        | 8A                          | C       | MRS. HELEN F. KINNEAR   |          |
| STRAUSSTOWN            | 8570      | BERKS        | 14         | 40 29    | 76 11     | 600       |                             | 8A      | C     | JACOB KLAHR              | 9655    | ARMS TRONG  | 1      | 40 45      | 79 24    | 1530      | 7A        | 7A                          | C       | CORPS OF ENGINEERS      |          |
| STRONGSTOWN            | 8589      | INDIANA      | 4          | 40 33    | 78 55     | 1680      |                             |         | C     | HARRY F. BENNETT         | 9702    | LAZERNE     | 15     | 41 15      | 75 52    | 610       | 7A        | 7A                          | C       | MRS. MARY G. MIRMAR     |          |
| STROUDSBURG            | 8596      | MONROE       | 5          | 40 59    | 75 12     | 480       | 11P                         | 11P     | C     | WILLIAM HAGERTY          | 9716    | BLAIR       | 6      | 40 28      | 78 12    | 860       | 7A        | 7A                          | C       | MYRON E. SIDOLE         |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 50     | 1520      | 7A                          | 7A      | C     | CORPS OF ENGINEERS       | 9726    | LYCOMING    | 16     | 41 15      | 76 55    | 527       | M10       | M10                         | C       | U.S. WEATHER BUREAU     |          |
| SUNBURY                | 8648      | NORTHUMBLAND | 15         | 40 52    | 76 47     | 480       | 7A                          | 7A      | C     | CHARLES W. BAYLER        | 9781    | NORTHAMPTON | 5      | 40 51      | 75 18    | 765       | 7A        | 7A                          | C       | MRS. MARY G. HOELZEL    |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      | 7A                          | 7A      | C     | MRS. LAURA A. BENSON     | 9823    | BEDFORD     | 6      | 40 03      | 78 32    | 1190      | 7A        | 7A                          | C       | WALTER C. RICE          |          |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17         | 40 14    | 79 48     | 765       | 7A                          | 7A      | C     | HARVEY SEE               | 9833    | YORK        | 15     | 39 55      | 76 45    | 390       | 5P        | 5P                          | C       | YORK WATER COMPANY      |          |
| TAMAQUA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 650       |                             | 8A      | C     | MRS. MARY L. ROBERTS     | 9838    | YORK        | 15     | 39 56      | 76 44    | 640       |           |                             | C       | YORK WATER COMPANY      |          |
| TAMAQUA 4 N DAM        | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      | 7A                          | 7A      | C     | PANTHER VALLEY WTR. CO.  | 9930    | YORK        | 15     | 40 07      | 76 43    | 310       | 8A        | 8A                          | C       | METROPOLITAN EDISON CO. |          |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          | 7A      | C     | JAMES E. SWARTZ          | 9968    | WARREN      | 1      | 41 51      | 79 20    | 1225      |           |                             | C       | HENRY CARLETT           |          |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 28     | 1200      | 8A                          | 8A      | C     | CORPS OF ENGINEERS       | 9990    | SCHUYLKILL  | 15     | 40 54      | 76 13    | 940       | 7A        | 7A                          | C       | JAMES O. TEETER         |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1950      |                             |         | C     | PA. ELECTRIC CO.         | 9995    | LEHIGH      | 14     | 40 28      | 75 27    | 680       | 8A        | 8A                          | C       | LESLIE HOWATT           |          |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7P      | C     | CITY OF TITUSVILLE       |         |             |        |            |          |           |           |                             |         |                         |          |
| TORPEDO 4 W            | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      | 7A                          | 7A      | C     | MRS. LILY B. GARBER      |         |             |        |            |          |           |           |                             |         |                         |          |
| TOWANDA                | 8905      | BRAEFORD     | 15         | 41 46    | 76 26     | 760       | 7P                          | 7A      | C     | MRS. M. O. PARES         |         |             |        |            |          |           |           |                             |         |                         |          |
| TOWER CITY 5 SW        | 8910      | DAUPHIN      | 15         | 40 51    | 76 37     | 745       | 6P                          | 6P      | H     | HARRISBURG WATER DEPT.   |         |             |        |            |          |           |           |                             |         |                         |          |
| TROY                   | 8959      | BRAEFORD     | 15         | 41 47    | 76 47     | 1100      | 7A                          | 7A      | C     | JENNIE L. BALLARO        |         |             |        |            |          |           |           |                             |         |                         |          |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 890       |                             |         | C     | MRS. MARY E. WEINER      |         |             |        |            |          |           |           |                             |         |                         |          |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      | 7A                          | 7A      | C     | ROBERT O. STRAIT         |         |             |        |            |          |           |           |                             |         |                         |          |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          | 7A      | C     | FREDERICK L. FRIDAY      |         |             |        |            |          |           |           |                             |         |                         |          |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      | 7A                          | 7A      | C     | HAROLD W. HANMONG        |         |             |        |            |          |           |           |                             |         |                         |          |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 56    | 79 44     | 1040      | 10P                         | 10P     | C     | WM. W. MARSTELLER        |         |             |        |            |          |           |           |                             |         |                         |          |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          | 7A      | C     | UNITED ENG. & FRYRY. CO. |         |             |        |            |          |           |           |                             |         |                         |          |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7          | 40 36    | 79 36     | 995       |                             |         | C     | EUGENE R. YOUNG          |         |             |        |            |          |           |           |                             |         |                         |          |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 51    | 75 52     | 350       |                             | 8A      | C     | MRS. MARY M. WRIGHT      |         |             |        |            |          |           |           |                             |         |                         |          |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      | 7P                          | 7A      | C     | GILBERT H. REIER         |         |             |        |            |          |           |           |                             |         |                         |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         | C     | PA. DEPT. HIGHWAYS       |         |             |        |            |          |           |           |                             |         |                         |          |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 490       | 9P                          | 9P      | C     | WILLIAM BIRD             |         |             |        |            |          |           |           |                             |         |                         |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      | C     | SAMUEL B. GREENLEE       |         |             |        |            |          |           |           |                             |         |                         |          |
| WAYNESBURG I E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         | C     | SEWAGE DISPOSAL PLANT    |         |             |        |            |          |           |           |                             |         |                         |          |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       |                             |         | C     | WILLIAM D. COVER         |         |             |        |            |          |           |           |                             |         |                         |          |
| WELLSBORO 5 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      | C     | MARION L. SHURWAY        |         |             |        |            |          |           |           |                             |         |                         |          |

1-ALLEGHENY; 2-BEAVER; 3-CONEMAUGH; 4-CONEMAUGH; 5-DELAWARE; 6-JUNIATA; 7-ISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL;  
15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHEGHENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.





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ANP

U. S. DEPARTMENT OF COMMERCE  
FREDERICK H. MUELLER, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

NOVEMBER 1960  
Volume 65 No. 11



ASHEVILLE: 1961

RECEIVED  
JUL 27 1961  
U.S. DEPARTMENT OF COMMERCE

PENNSYLVANIA - NOVEMBER 1960  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 73° on the 15th at Waynesburg 2 W

Lowest Temperature: 10° on the 8th at Donegal and Coudersport 3 NW

Greatest Total Precipitation: 3.36 inches at Corry

Least Total Precipitation: 0.73 inch at Meyersdale

Greatest One-Day Precipitation: 1.72 inches on the 1st at Coudersport  
6 E

Greatest Reported Total Snowfall: 12.3 inches at Corry

Greatest Reported Depth of Snow on Ground: 5 inches on the 30+ at  
Corry and on the 7th at  
Conneautville 6 E











# DAILY PRECIPITATION

S. C. ZANIA  
1961

Continued

| Station             | Total          | Day of Month |     |     |     |     |     |   |   |     |     |      |     |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |     |     |     |
|---------------------|----------------|--------------|-----|-----|-----|-----|-----|---|---|-----|-----|------|-----|----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|
|                     |                | 1            | 2   | 3   | 4   | 5   | 6   | 7 | 8 | 9   | 10  | 11   | 12  | 13 | 14  | 15  | 16  | 17  | 18 | 19 | 20 | 21 | 22 | 23  | 24  | 25 | 26 | 27 | 28  | 29  | 30  | 31  |     |     |
| VIRGINVILLE         | 1.84           | .54          |     |     |     | .16 |     |   |   |     |     | .79  | .06 |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |     | .02 | .27 |
| WARREN              | 2.57           | .33          |     | .19 | .15 | .37 | .17 | T | T |     |     | .50  | .03 |    |     |     |     |     |    |    |    |    |    |     | .15 |    |    |    |     |     | .01 | .21 | .26 |     |
| WATSONTOWN          | 2.16           | .70          | T   | .01 | T   | .26 | .17 |   |   | .02 | .17 |      |     |    | .12 | .02 |     |     |    |    |    |    |    | .25 |     |    |    |    |     |     |     |     |     |     |
| WAYNESBURG 2 W      | 1.94           | .69          | .01 |     |     | .44 | .30 |   |   |     |     | .15  |     |    |     |     |     |     |    |    |    |    |    | .21 | .01 |    |    |    |     |     | .07 | .01 |     |     |
| WELLSBORO 3 S       | 1.01           | .33          | .01 | .02 | .03 | .07 | .04 |   |   |     |     | .17  |     |    |     |     |     |     |    |    |    |    |    | .14 |     |    |    |    |     |     | .11 | .08 |     |     |
| WEST CHESTER        | 2.52           | .30          | .11 |     |     | .16 |     |   |   |     |     | 1.40 | .09 |    |     |     |     |     |    |    |    |    |    | .06 |     |    |    |    |     |     | .40 |     |     |     |
| WEST GROVE 1 E      | 1.59           | .33          | .03 | .14 |     | .14 | .03 |   |   |     |     | .51  | .31 |    |     |     |     |     |    |    |    |    |    | .05 | T   |    |    |    |     | T   | .05 |     |     |     |
| WEST NICKORY        | RECORD MISSING |              |     |     |     |     |     |   |   |     |     |      |     |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |     |     |     |
| WHITESBURG          | 2.51           | .64          |     |     | .11 | .45 | T   |   |   |     |     | .43  |     |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     | T   | .05 |     |     |
| WILKES BARRE        | 1.76           | .15          | T   | T   |     | .28 | .02 | T |   |     |     | .18  | T   |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     | .10 | T   |     |
| WILLIAMSBURG        | 2.08           | .96          |     |     |     | .19 | T   | T |   |     |     | .19  | .04 |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |     | .34 | T   |
| WILLIAMSPORT WB AP  | 1.45           | .13          | .02 | T   | .29 | .05 |     |   |   | .08 |     | .09  |     |    |     | .03 | .02 | .13 |    |    |    |    |    | .23 |     |    |    |    | .01 | .50 | T   |     |     |     |
| WOLFSBURG           | 1.46           | .55          |     |     |     | .21 | .14 |   |   |     |     | .18  | T   |    |     |     |     |     |    |    |    |    |    | .04 |     |    |    |    |     |     | .27 | .07 |     |     |
| YORK 3 SSW PUMP STA | 2.14           | .78          | .02 |     | .10 | .08 | .12 |   |   |     |     | .48  |     |    |     |     |     |     |    |    |    |    |    | .07 |     |    |    |    |     |     | .47 | .02 |     |     |
| YORK HAVEN          | 2.44           | .90          |     |     |     | .14 | .02 |   |   |     |     | .45  | .05 | T  |     |     |     |     |    |    |    |    |    | .07 |     |    |    |    |     |     | .07 | .81 |     |     |
| ZION GROVE          | 1.55           |              |     | .35 |     |     |     |   |   |     |     | .20  |     |    |     |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     | .20 |     | .80 |     |
| ZIONSVILLE 3 SE     | 2.48           | .61          |     |     | .15 |     |     |   |   |     |     | .93  |     |    |     |     |     |     |    |    |    |    |    | .04 |     |    |    |    |     |     | .01 | .74 |     |     |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |         |               | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|---------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 2.00 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | WSW            | 21                              | 8.4                 | 31++         | W                         | 29                   | 83                                   | 86         | 55         | 71         | 4                                 | 2     | 3     | 2     | 0       | 0             | 11                           | -                                   | 5.7   |
| ERIE WB AIRPORT         | SSW            | 22                              | 14.8                | 32++         | SSE                       | 28                   | 72                                   | 75         | 62         | 68         | 1                                 | 6     | 9     | 1     | 0       | 0             | 17                           | -                                   | 8.1   |
| HARRISBURG WB AIRPORT   | W              | 18                              | 5.7                 | 26           | W                         | 30                   | 73                                   | 76         | 48         | 57         | 5                                 | 2     | 3     | 1     | 0       | 0             | 11                           | 63                                  | 6.4   |
| PHILADELPHIA WB AIRPORT | WSW            | 19                              | 7.6                 | 29           | NW                        | 30                   | 80                                   | 82         | 57         | 69         | 2                                 | 2     | 3     | 2     | 0       | 0             | 9                            | 56                                  | 5.9   |
| PITTSBURGH WB AIRPORT 2 | SW             | 15                              | 9.4                 | 28++         | WNW                       | 30                   | 70                                   | 76         | 56         | 61         | 7                                 | 4     | 5     | 0     | 0       | 0             | 16                           | 60                                  | 7.4   |
| READING WB CITY         | -              | -                               | 9.4                 | 40           | E                         | 28                   | -                                    | -          | -          | -          | 5                                 | 1     | 3     | 2     | 0       | 0             | 11                           | 55                                  | 5.8   |
| SCRANTON WB AIRPORT     | SW             | 18                              | 8.6                 | 26           | NW                        | 4                    | 71                                   | 76         | 56         | 61         | 4                                 | 5     | 3     | 0     | 1       | 0             | 13                           | 47                                  | 6.4   |
| WILLIAMSPORT WB AIRPORT | W              | 14                              | 6.8                 | 23           | W                         | 30                   | 80                                   | 82         | 57         | 68         | 2                                 | 7     | 3     | 1     | 0       | 0             | 13                           | -                                   | 6.4   |



DAILY TEMPERATURES

PENNSYLVANIA  
NOVEMBER 1960

Continued

Table with columns for Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like EVERETT 1 SW, FARRELL SHARON, FORD CITY 4 S DAM, FRANKLIN, FREELAND, GEORGE SCHOOL, GETTYSBURG, GRATERFORD 1 E, GRATZ 1 N, GREENVILLE, HANOVER, HARRISBURG WB AP, HAWLEY, HOLTWOOD, HOOVERSVILLE, HUNTINGDON, INDIANA 3 SE, JAMESTOWN 2 NW, JOHNSTOWN, KANE 1 NNE, KEGG, LANCASTER 2NE PUMP STA, LANDISVILLE 2 NW, LAWRENCEVILLE 2 S, LEBANON 3 W, LEWISTOWN, LOCK HAVEN, MADERA, MARCUS HOOK, MARTINSBURG FAA AP, MEOAVILLE 1 S, MERCER 2 NNE, MERCERSBURG, MIDLAND DAM 7, MILLVILLE 2 SW, MONTROSE, MORGANTOWN, MT GRENA 2 SE.

See Reference Notes Following Station Index





# DAILY TEMPERATURES

PENNSYLVANIA  
NOVEMBER 1960

Continued

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| YORK 3 SSW PUMP STA | MAX | 65           | 64 | 57 | 60 | 55 | 49 | 43 | 50 | 48 | 54 | 50 | 54 | 62 | 68 | 68 | 68 | 64 | 62 | 60 | 57 | 63 | 65 | 55 | 50 | 53 | 62 | 62 | 63 | 65 | 55 | 58.4 |         |
|                     | MIN | 52           | 33 | 40 | 32 | 38 | 32 | 31 | 20 | 30 | 42 | 25 | 22 | 23 | 31 | 46 | 48 | 43 | 29 | 30 | 27 | 29 | 29 | 37 | 20 | 32 | 28 | 33 | 37 | 51 | 29 | 33.3 |         |

# DAILY SOIL TEMPERATURES

| Station And Depth             | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      | Average |
|-------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|---------|
|                               |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30   | 31   |         |
| <b>ERIE CO FIELD RSCH LAB</b> |      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |         |
| 8 INCHES                      | MAX  | 51           | 50 | 47 | 49 | 48 | 45 | 43 | 41 | 43 | 44 | 43 | 43 | 43 | 46 | 49 | 51 | 50 | 48 | 45 | 44 | 45 | 46 | 46 | 44 | 43 | 44 | 47 | 51 | 51 | 45   | 46.1 |         |
|                               | MIN  | 50           | 46 | 46 | 46 | 45 | 43 | 41 | 39 | 41 | 43 | 42 | 40 | 40 | 42 | 47 | 50 | 46 | 43 | 43 | 43 | 43 | 43 | 45 | 42 | 41 | 41 | 44 | 47 | 45 | 41   | 43.8 |         |
| <b>LANDISVILLE 2 NW</b>       |      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |         |
| 2 INCHES                      | 8 AM | 53           | 49 | 50 | 47 | 48 | 45 | 43 | 40 | 40 | 44 | 40 | 39 | 40 | 40 | 46 | 46 | 49 | 42 | 43 | 42 | 42 | 42 | 43 | 40 | 41 | 41 | 42 | 44 | 48 | 40   | 43.6 |         |
| <b>STATE COLLEGE 2</b>        |      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |         |
| 2 INCHES                      | MAX  | 53           | 48 | 44 | 47 | 45 | 42 | 40 | 39 | 40 | 41 | 43 | 41 | 42 | 48 | 50 | 47 | 45 | 43 | 43 | 44 | 44 | 44 | 45 | 39 | 42 | 42 | 45 | 50 | 49 | 37   | 44.1 |         |
|                               | MIN  | 47           | 44 | 41 | 40 | 41 | 39 | 34 | 32 | 34 | 37 | 33 | 33 | 32 | 39 | 42 | 45 | 39 | 35 | 36 | 36 | 37 | 36 | 38 | 33 | 34 | 34 | 37 | 44 | 40 | 33   | 37.5 |         |
| 4 INCHES                      | MAX  | 51           | 48 | 45 | 45 | 45 | 42 | 40 | 39 | 40 | 41 | 41 | 40 | 41 | 47 | 48 | 47 | 45 | 43 | 43 | 43 | 43 | 44 | 45 | 39 | 41 | 42 | 44 | 48 | 48 | 39   | 43.6 |         |
|                               | MIN  | 48           | 45 | 42 | 41 | 42 | 40 | 36 | 33 | 35 | 38 | 35 | 34 | 33 | 39 | 43 | 45 | 40 | 37 | 37 | 37 | 38 | 38 | 40 | 35 | 35 | 35 | 38 | 44 | 42 | 34   | 38.6 |         |
| 8 INCHES                      | MAX  | 50           | 49 | 47 | 46 | 45 | 44 | 42 | 39 | 40 | 42 | 41 | 40 | 40 | 44 | 46 | 46 | 46 | 43 | 42 | 42 | 42 | 43 | 44 | 42 | 40 | 41 | 43 | 46 | 47 | 44   | 44.9 |         |
|                               | MIN  | 48           | 47 | 45 | 43 | 44 | 42 | 40 | 37 | 38 | 41 | 38 | 37 | 36 | 41 | 43 | 45 | 43 | 40 | 40 | 39 | 40 | 40 | 43 | 38 | 38 | 38 | 40 | 43 | 45 | 38   | 41.0 |         |
| 12 INCHES                     | MAX  | 50           | 50 | 49 | 47 | 46 | 45 | 42 | 41 | 42 | 43 | 42 | 41 | 44 | 45 | 46 | 46 | 44 | 43 | 43 | 43 | 44 | 44 | 44 | 41 | 41 | 43 | 45 | 46 | 45 | 44.1 |      |         |
|                               | MIN  | 49           | 48 | 47 | 46 | 46 | 45 | 42 | 40 | 41 | 42 | 41 | 40 | 41 | 43 | 45 | 44 | 43 | 42 | 42 | 42 | 42 | 44 | 41 | 40 | 40 | 41 | 43 | 46 | 41 | 42.9 |      |         |
| 16 INCHES                     | MAX  | 51           | 51 | 50 | 48 | 47 | 47 | 46 | 44 | 43 | 44 | 44 | 43 | 42 | 45 | 45 | 46 | 47 | 46 | 45 | 44 | 44 | 44 | 45 | 45 | 42 | 42 | 43 | 45 | 46 | 46   | 45.3 |         |
|                               | MIN  | 50           | 49 | 48 | 47 | 47 | 46 | 44 | 42 | 42 | 43 | 42 | 41 | 41 | 42 | 43 | 45 | 45 | 44 | 43 | 43 | 43 | 43 | 44 | 42 | 41 | 41 | 42 | 43 | 45 | 43   | 43.8 |         |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# SNOWFALL AND SNOW ON GROUND

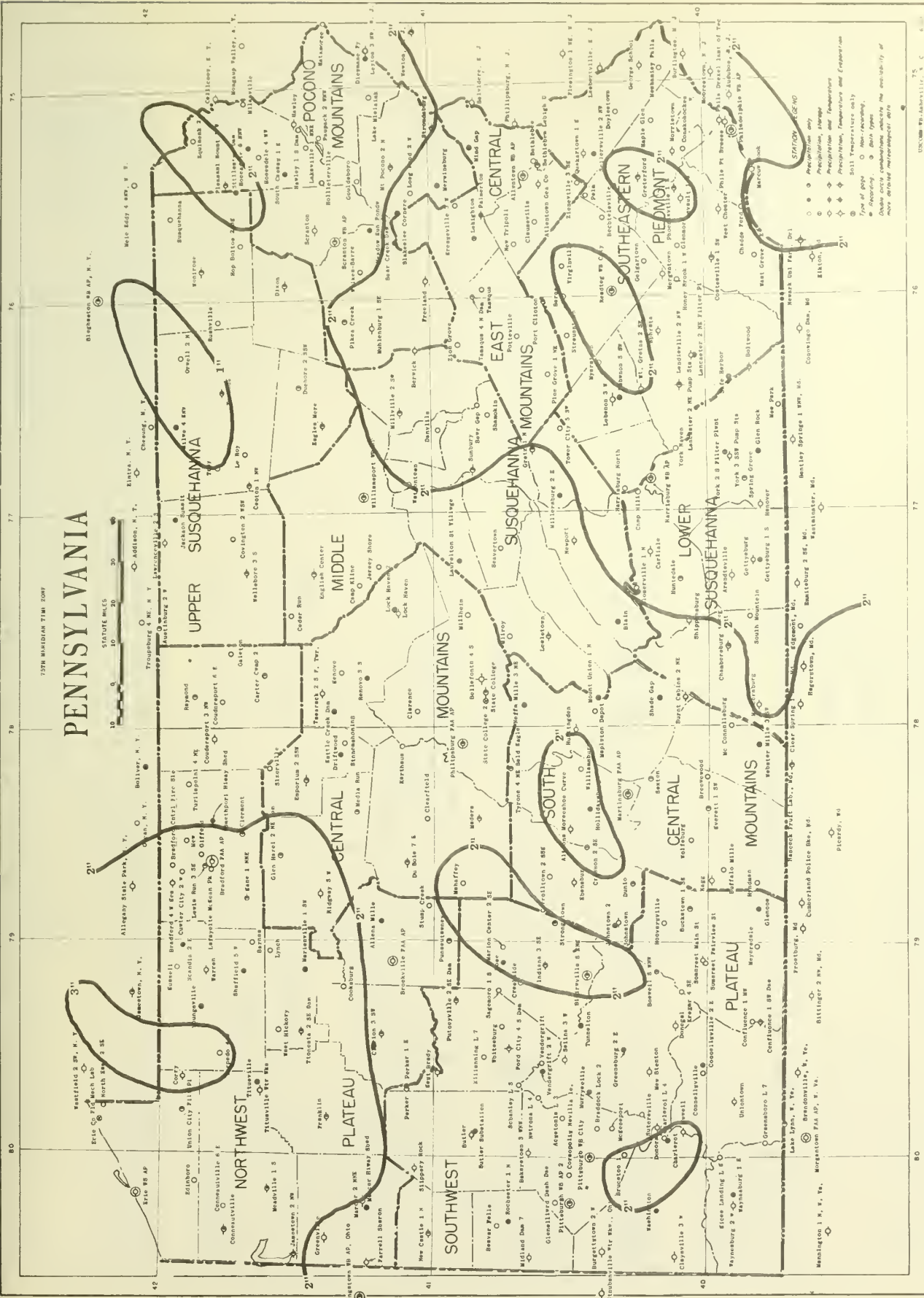
PENNSYLVANIA  
NOVEMBER 1960

| Station                 | Day of month |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
|-------------------------|--------------|---|---|---|-----|-----|-----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|----|--|
|                         | f            | 2 | 3 | 4 | 5   | 6   | 7   | 8   | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31  |     |    |  |
| AUSTINBURG 2 W          |              |   |   |   |     | T   | T   |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| BRADFORD FAA AIRPORT    |              |   | T |   | T   | 2.0 | T   |     | T |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | 5.0 |     |    |  |
| BRADFORD 4 W RES        |              |   |   | T | T   | 3.5 | .8  |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| BROOKVILLE FAA AIRPORT  |              |   |   |   | T   | T   | T   |     |   |    |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | 1.0 |     |    |  |
| CANTON 1 NW             |              |   |   |   |     | T   | T   |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| CARROLLTOWN 2 SSE       |              |   |   |   |     | 2.0 | 1.0 |     |   |    |    | T  |    |    |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    | 1.0 |     |    |  |
| CORRY                   |              |   |   |   | .3  | 7.0 | T   |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | 5.0 |     |    |  |
| DONEGAL                 | -            | - | - | - | -   | -   | -   | -   | - | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |     |    |  |
| DU BOIS 7 E             |              |   |   |   | .5  | 1.0 | T   |     |   |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1.5 |     |    |  |
| ERIE WB AIRPORT         |              |   |   | T | 1.4 | 1.5 |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | 2.4 |     |    |  |
| EVERETT 1 SW            |              |   |   |   |     |     |     | 1.0 |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| FORD CITY 4 S DAM       |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | T   |    |  |
| GALETON                 |              |   |   | T |     | 1.0 | T   |     |   |    |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | T   |    |  |
| GREENSBORO LOCK 7       |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | T  |  |
| HANOVER                 |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| HOLTWOOD                |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| INDIANA 3 SE            |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | .5 |  |
| KANE 1 NNE              |              |   |   | T | T   | 4.0 | 3.0 | T   | T |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 1.0 |    |  |
| LAWRENCEVILLE 2 S       |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| LEWISTOWN               |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| MARTINSBURG FAA AIRPORT |              |   |   |   | T   | .5  | T   |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | T  |  |
| MEADVILLE 1 S           |              |   |   | T |     | 1.5 | .3  |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | .2 |  |
| MEDIX RUN               |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| MONTROSE                |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| PHILIPSBURG FAA AIRPORT |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| PITTSBURGH WB AIRPORT 2 |              |   |   | T | T   | 1.7 | .2  |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     | .1 |  |
| PLEASANT MOUNT 1 W      |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| READING WB CITY         |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| SCRANTON WB AIRPORT     |              |   |   |   |     |     | .7  | T   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| SHIPPENSBURG            |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| TAMARACK 2 S FIRE TOWER |              |   |   |   |     | .5  | .4  | .4  | T |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| TIONESTA 2 SE DAM       |              |   |   |   |     | T   | 1.0 |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| TOWANDA                 |              |   |   |   |     | .2  | T   | T   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| TOWER CITY 5 SW         |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |
| WILLIAMSPORT WB AIRPORT |              |   |   |   |     |     |     |     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |    |  |

See reference notes following Station Index.

# TOTAL PRECIPITATION

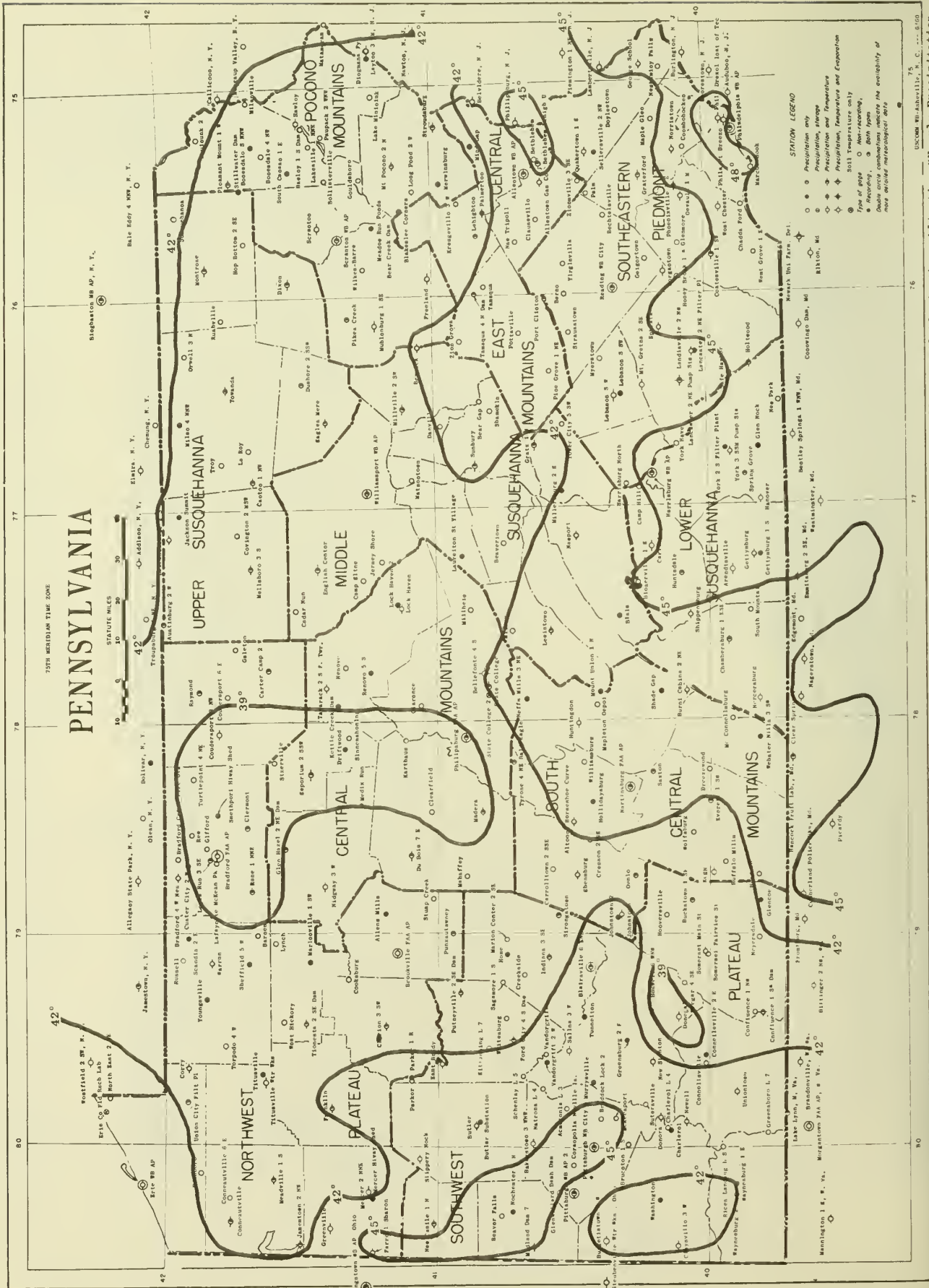
PENNSYLVANIA  
NOVEMBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
NOVEMBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA NOVEMBER 1960

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Rows include stations like ACHETONIA LOCK 3, ALLENS HILLS, ALLENTOWN WB AP, etc.

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Rows include stations like HUNTSDALE, HYDROM, INDIANA 3 SE, etc.

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Rows include stations like NETRO P. DOMOSH, DONALD LEMMON, GLENN WATER SVCS CO., etc.

# STATION INDEX

PENNSYLVANIA  
NOVEMBER 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER | STATION                  | INDEX NO.              | COUNTY | DRAINAGE I  | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER |    |                         |  |  |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|--------------------------|------------------------|--------|-------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|----|-------------------------|--|--|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |                          |                        |        |             |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |    |                         |  |  |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16         | 40 48    | 77 52     | 1180      |                             |         |       |         | G        | PA. STATE UNIVERSITY     | WEST GROVE 1 E         | 9503   | CHESTER     | 5        | 39 49     | 75 49     | 440                         |         |       |         |          | 8A | CONARD-RYLE CO.         |  |  |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 5          | 41 42    | 75 29     | 16        |                             |         |       |         | C        | ANTHONY E. SLICK         | WEST HICKORY           | 9507   | FOREST      | 1        | 41 34     | 79 25     | 1090                        |         |       |         |          | 8A | MRS. HELEN F. KINNEAR   |  |  |
| STRAUSTOWN             | 8570      | BERKS        | 14         | 40 29    | 76 11     | 600       |                             |         |       |         | BA       | JACOB KLAMP              | WHITESBURG             | 9655   | ARMSTRONG   | 1        | 40 45     | 79 24     | 1530                        |         |       |         |          | 7A | CORPS OF ENGINEERS      |  |  |
| STRONGSTOWN            | 8589      | INDIANA      | 4          | 40 33    | 78 55     | 1880      |                             |         |       |         | C        | HARRY F. BENNETT         | WILKES-BARRE           | 9702   | LAZERNE     | 15       | 41 15     | 75 52     | 610                         |         |       |         |          | 7A | MRS. MARY G. MIRNAK     |  |  |
| STRUDSBURG             | 8596      | MONROE       | 5          | 40 59    | 75 12     | 480       | 11P                         | 11P     |       |         | C        | WILLIAM HAGERTY          | WILLIAMSBURG           | 9714   | BLAIR       | 6        | 40 28     | 78 12     | 860                         |         |       |         |          | 7A | HYRON K. BIDDLE         |  |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 76 50     | 1320      |                             |         |       |         | 7A       | CORPS OF ENGINEERS       | WILLIAMSPORT WB AP     | 9728   | LYCOMING    | 16       | 41 15     | 76 55     | 527                         | MID     | MID   |         |          | C  | U.S. WEATHER BUREAU     |  |  |
| SUNBURY                | 8668      | NORTHUMBLAND | 15         | 40 52    | 76 47     | 480       |                             |         |       |         | 7A       | CHARLES W. BAYLER        | VIND GAP               | 9781   | NORTHAMPTON | 5        | 40 51     | 75 18     | 765                         |         |       |         |          | C  | MRS. MARY D. HOELZEL    |  |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      |                             |         |       |         | 7A       | MRS. LAURA A. BENSON     | WOLFSBURG              | 9823   | BEDFORD     | 6        | 40 03     | 78 32     | 1190                        |         |       |         |          | 7A | WALTER C. RICE          |  |  |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17         | 40 14    | 79 48     | 765       |                             |         |       |         | 7A       | MANCE SEE                | YORK 3 SSW PUMP STA    | 9933   | YORK        | 15       | 39 55     | 76 45     | 390                         | SP      | SP    |         |          | C  | YORK WATER COMPANY      |  |  |
| TAMAQUA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 850       |                             |         |       |         | 8A       | MRS. MARY L. ROBERTS     | YORK 2 S. FILTER PLANT | 9938   | YORK        | 15       | 39 56     | 76 44     | 640                         |         |       |         |          | C  | YORK WATER COMPANY      |  |  |
| TAMAQUA & N DAM        | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      |                             |         |       |         | 7A       | PANTHER VALLEY WTR. CO.  | YORK HAVEN             | 9950   | YORK        | 15       | 40 07     | 76 43     | 310                         |         |       |         |          | 8A | METROPOLITAN EDISON CO. |  |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      |                             |         |       |         | 7A       | H. JAMES E. SWARTZ       | YOUNGSVILLE            | 9966   | WARREN      | 1        | 41 51     | 79 20     | 1225                        |         |       |         |          | 7A | HENRY CARLETT           |  |  |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 26     | 1200      | 8A                          | 8A      |       |         | C        | CORPS OF ENGINEERS       | ZION GROVE             | 9990   | SCHUYLKILL  | 15       | 40 54     | 76 13     | 940                         |         |       |         |          | 7A | JAMES D. TEETER         |  |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1550      |                             |         |       |         | 7A       | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE        | 9995   | LEHIGH      | 14       | 40 28     | 75 27     | 680                         |         |       |         |          | 8A | LESLIE HOWATT           |  |  |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      |                             |         |       |         | 7P       | CITY OF TITUSVILLE       | NEW STATIONS           |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| TOPPEDO 4 W            | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      |                             |         |       |         | 7A       | MRS. LILLY B. GARBER     | HILAN 2 N              | 5731   | BRADFORD    | 15       | 41 56     | 76 31     | 770                         |         |       |         |          | C  | GEORGE J. RLATT         |  |  |
| TOWANDA                | 8905      | BRADFORD     | 15         | 41 46    | 76 26     | 780       |                             |         |       |         | 7P       | MRS. M. O. PARKS         | PUBLICATION ENDED      |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| TOWNER CITY 5 SW       | 8910      | DAUPHIN      | 15         | 40 31    | 76 37     | 745       |                             |         |       |         | 6P       | HARRISBURG WATER DEPT.   | HILAN 4 WW             | 5732   | BRADFORD    | 15       | 41 56     | 76 35     | 1448                        |         |       |         |          | C  | EFFECTIVE 11/60         |  |  |
| TROY                   | 8959      | BRADFORD     | 15         | 41 47    | 76 47     | 1100      |                             |         |       |         | 7A       | JENNIE L. BALLARD        |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 890       |                             |         |       |         | C        | MRS. MARY E. WEIMER      |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      |                             |         |       |         | 7A       | ROBERT D. STRAIT         |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      |                             |         |       |         | 7A       | FREDERICK L. FRIEDT      |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      |                             |         |       |         | 7A       | HAROLD W. HAMMOND        |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 54    | 79 44     | 1040      |                             |         |       |         | 10P      | Wm. W. HARTSELER         |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       |                             |         |       |         | 7A       | UNITED ENG. & FNDRY. CO. |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7          | 40 36    | 79 36     | 995       |                             |         |       |         | C        | EUGENE R. YOUNG          |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       |                             |         |       |         | 8A       | MRS. MARY M. WRIGHT      |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      |                             |         |       |         | 7P       | GILBERT W. REIER         |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         |       |         | C        | PA. DEPT. HIGHWAYS       |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 490       |                             |         |       |         | 9P       | WILLIAM BIRD             |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       |                             |         |       |         | 6P       | SAMUEL B. GREEMLEE       |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         |       |         | C        | SEWAGE DISPOSAL PLANT    |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WESTER HILLS 3 SW      | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       |                             |         |       |         | C        | WILLIAM D. COVER         |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      |                             |         |       |         | 7A       | MARION L. SHUPWAY        |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |
| WEST CHESTER           | 9464      | CHESTER      | 5          | 39 58    | 75 36     | 440       |                             |         |       |         | 8A       | DAILY LOCAL NEWS         |                        |        |             |          |           |           |                             |         |       |         |          |    |                         |  |  |

1-ALLEGHENY; 2-BEAVER; 3-4-CONEMAUGH; 5-DELAWARE; 6-JUNIATA; 7-KISIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOGENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperature from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.









51.05  
NP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

DECEMBER 1960

Volume 65      No. 12



ASHEVILLE: 1961

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PENNSYLVANIA - DECEMBER 1960

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 69° on the 5th at York 3 SSW Pump Sta

Lowest Temperature: -24° on the 13th at Ridgway 3 W

Greatest Total Precipitation: D3.78 inches at Glenmoore

Least Total Precipitation: 0.42 inch at Covington 2 WSW

Greatest One-Day Precipitation: 2.23 inches on the 12th at Graterford 1 E

Greatest Reported Total Snowfall: 45.9 inches at Kane 1 NNE

Greatest Reported Depth of Snow on Ground: 21 inches on the 22nd at Edinboro

SPECIAL WEATHER SUMMARY

Most sections of the Keystone State experienced one of the coldest and snowiest Decembers of record. In sharp contrast to November, when temperatures averaged well above normal, cold arctic air dominated the weather picture through all except the first week of December.

Almost without exception temperatures averaged 5° to 10° below normal for the month with even greater departures for the last 3 weeks. Philadelphia reported the second coldest December in 89 years of weather records while Harrisburg had the coldest December since 1917. During the last 24 days the mercury remained below the freezing level most of the time with numerous new low records established. The coldest period extended from the 22nd through the 24th during which time below zero readings were reported in all except the extreme southeastern portion of the state. In many areas of central and northern counties the mercury plunged to -20° or lower with unofficial readings as low as -28° reported in Jefferson County. Daily warming was not very great either as maximum temperatures failed to reach 20° over a wide area of Pennsylvania. On the 23rd Pittsburgh reported a high of 7° while at Donegal in Westmoreland County, the mercury climbed from a low of -14° to a high of only -8°. In the closing days of December some moderation was noted, however temperatures continued somewhat below normal.

Along with the change to much colder weather in the early part of the month, precipitation was on the increase with the result that nearly all of the precipitation occurred as snow. Near record amounts for December were

reported in many areas with total accumulations ranging from less than 10 inches in parts of several southern and northern border counties to over 3 feet in some northwestern areas. The ground remained snow-covered from about the 8th through the remainder of the month over most of the state. The storm on the 11th and 12th provided the first significant snow of the season and of the month. The eastern half of the state took the brunt of the storm with snow depths ranging from 8 to 20 inches whipped into drifts 4 to 6 feet high by winds which reached as high as 40 mph in the southeast. Transportation was disrupted, and in some areas paralyzed, resulting in the closing of schools, industry and business offices for several days. Auto accidents and heart attacks attributed to the storm took the lives of 14 persons. Snowfall in Philadelphia totaled 14.6 inches for the second largest amount ever to be measured in December. Lighter amounts occurred at frequent intervals throughout the remainder of the month which maintained a substantially unbroken snow-cover through the last 3 weeks. This prevented the ground from freezing to any appreciable depth which is extremely rare in Pennsylvania in December, and more especially so in view of the fact that temperatures were unusually cold. Soil moisture remained in short supply through western and some central counties due to sub-normal precipitation and little snow melt.

Nelson M. Kauffman  
Weather Bureau State Climatologist  
Harrisburg State Airport  
New Cumberland, Pennsylvania





# DAILY PRECIPITATION

PENNSYLVANIA  
DECEMBER 1960

| Station          | Total | Day of Month  |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |
|------------------|-------|---|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|-----|---------------|------|
|                  |       | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |
|                  |       | Precipitation   | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow | Ice | Precipitation | Snow |
| ACMETONIA LOCK 3 | 1.71  | .06   | .01  |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |     |               |      |

See reference notes following Station Index.





# DAILY PRECIPITATION

PENNSYLVANIA  
DECEMBER 1960

Continued

| Station             | Total | Day of Month |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|---------------------|-------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
|                     |       | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |
| WHITESBURG          | 2.19  | .16          | T |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| WILKES BARRE        | 1.71  | T            | T |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| WILLIAMSBURG        | 1.74  | .07          | T |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| WILLIAMSPORT WB AP  | 1.80  | T            | T |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| WOLFSTOWN           | 1.25  | T            | T |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| YORK 3 SSW PUMP STA | 2.26  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| YORK HAVEN          | 2.00  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| YONKERS GROVE       | 1.19  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
| YONKERSVILLE 3 SE   | 2.29  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |         |         |         |           |               | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|---------|---------|---------|-----------|---------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | SW             | 15                              | 10.3                | 46++         | WNW                       | 12                   | 73                                   | 78         | 61         | 67         | 4                                 | 5       | 1       | 3       | 0         | 0             | 13                           | -                                   | 5.3   |
| BERIE WB AIRPORT        | SSW            | 25                              | 16.9                | 32++         | S                         | 25                   | 70                                   | 70         | 63         | 67         | 9                                 | 10      | 6       | 0       | 0         | 0             | 25                           | -                                   | 8.2   |
| HARRISBURG WB AIRPORT   | WNW            | 18                              | 7.8                 | 27           | NW                        | 1                    | 66                                   | 70         | 49         | 56         | 5                                 | 2       | 2       | 3       | 0         | 0             | 12                           | 70                                  | 5.5   |
| PHILADELPHIA WB AIRPORT | WNW            | 17                              | 9.4                 | 42           | NE                        | 12                   | 68                                   | 71         | 55         | 62         | 2                                 | 5       | 1       | 2       | 1         | 0             | 11                           | 64                                  | 5.1   |
| PITTSBURGH WB AIRPORT 2 | SW             | 14                              | 10.3                | 23++         | NNW                       | 12                   | 73                                   | 73         | 62         | 67         | 7                                 | 12      | 4       | 0       | 0         | 0             | 23                           | 55                                  | 7.5   |
| READING WB CITY         | -              | -                               | 9.7                 | 49           | NW                        | 13                   | -                                    | -          | -          | -          | 4                                 | 3       | 2       | 2       | 0         | 0             | 11                           | 58                                  | 5.8   |
| SCRANTON WB AIRPORT     | SW             | 21                              | 9.3                 | 26           | NW                        | 1                    | 65                                   | 70         | 59         | 59         | 14                                | 4       | 4       | 0       | 0         | 0             | 22                           | 52                                  | 6.1   |
| WILLIAMSPORT WB AIRPORT | W              | 15                              | 7.3                 | 21           | WSW                       | 23+                  | 72                                   | 74         | 57         | 62         | 7                                 | 7       | 3       | 1       | 0         | 0             | 18                           | -                                   | 6.3   |

See reference notes following Station Index.







# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
OCTOBER 1960

| Station                 | Day of month |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
|-------------------------|--------------|-----|---|---|---|---|---|----|---|----|-----|-----|----|----|----|----|----|----|----|-----|----|-----|----|----|----|----|----|----|----|-----|----|--|--|--|--|--|
|                         | 1            | 2   | 3 | 4 | 5 | 6 | 7 | 8  | 9 | 10 | 11  | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20  | 21 | 22  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  | 31 |  |  |  |  |  |
| ALLENTOWN WB AIRPORT    |              |     |   |   |   |   |   | .4 |   |    | 6.4 | 3.9 |    |    |    | .4 |    |    |    | 1.3 |    | 1.3 |    | .1 |    |    |    |    |    | 2.5 |    |  |  |  |  |  |
| AUSTINBURG 2 W          | 1.0          | T   |   |   |   |   |   |    |   |    |     | 5.0 |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| BRAOORO FAA AIRPORT     | 3.0          |     | 2 | 2 | 1 |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| BRAOORO 4 W RES         |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| BROOKVILLE FAA AIRPORT  |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| CANTON 1 NW             |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| CARLISLE                |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| CARROLLTOWN 2 SSE       | 1.0          | T   |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| CORRY                   | 3.0          |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| DONEGAL                 |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| DU 8015 7 E             |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| ENGLISH CENTER          |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| ERIE WB AIRPORT         | .1           |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| EVERETT 1 SW            | 1.0          |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| FORO CITY 4 S OAM       | 3.0          | T   |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| GALETON                 | 2.1          | .3  |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| GEORGE SCHOOL           |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| GREENSBORO LOCK 7       |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| HANOVER                 |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| HARRISBURG WB AIRPORT   |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| HOLTWOOD                |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| HOOVERSVILLE            |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| INOIANA 3 SE            | .8           | .4  |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| KANE 1 NNE              | 10.0         | .5  |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| LANCASTER 2 NE PUMP STA |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| LAWRENCEVILLE 2 S       | .5           |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| LEWISTOWN               |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| MARTINSBURG FAA AIRPORT |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| MATAMORAS               |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| MEAOWILLE 1 S           | 6.5          | .3  |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| MEOIX RUN               | 5.5          | T   |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| MONTROSE                | 2.0          | .5  |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| NEWPORT                 |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| PHILADELPHIA WB AIRPORT |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| PHILIPSBURG FAA AIRPORT |              |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| PITTSBURGH WB AIRPORT 2 | .1           |     |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |
| PLEASANT MOUNT 1 W      | 3.0          | 2.5 |   |   |   |   |   |    |   |    |     |     |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |     |    |  |  |  |  |  |

See reference notes following Station Index.

## SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
DECEMBER 1960

CONTINUED

| Station                 |                                    | Day of month |     |    |   |   |   |   |    |     |     |     |     |     |    |     |    |     |     |     |     |     |     |     |    |    |     |    |     |     |     |     |     |   |   |   |
|-------------------------|------------------------------------|--------------|-----|----|---|---|---|---|----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|-----|-----|-----|-----|-----|---|---|---|
|                         |                                    | 1            | 2   | 3  | 4 | 5 | 6 | 7 | 8  | 9   | 10  | 11  | 12  | 13  | 14 | 15  | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24 | 25 | 26  | 27 | 28  | 29  | 30  | 31  |     |   |   |   |
| READING WB CITY         | SNOWFALL<br>SN ON GNO              | T            |     |    |   |   |   |   | T  |     |     | 3.1 | 3.7 | 6   | 6  | 5   | .3 | 3   | 3   | 1.5 |     | .8  | T   | T   |    |    |     |    |     |     | 2.1 | 4   | 4   | 4 |   |   |
| SCRANTON WB AIRPORT     | SNOWFALL<br>SN ON GNO<br>WTR EQUIV | T            |     |    |   |   |   | T | .4 | T   | 4.4 | 6.7 | T   | T   | .3 | T   | T  | .7  | .3  | 3.8 |     | T   | T   | T   | 5  | 4  | T   | T  | 3   | 3   | 2.4 | T   | 5   | 4 |   |   |
| SHIPPENSBURG            | SNOWFALL<br>SN ON GNO              |              |     |    |   |   |   |   |    |     |     | 3.0 | 8.0 | 10  | 10 | 8   | 8  | 7   | 6   | 6   | 6   | 8.0 | T   | T   | 14 | 14 | 14  | 14 | 12  | 10  | 8   | 8   | 2.0 | 9 | 8 | 8 |
| SLIPPERY ROCK           | SNOWFALL<br>SN ON GNO              | 2.0          | 1.0 |    |   |   |   |   |    | T   | 1.0 | T   | 6.0 | 6   | 5  | 5   | 4  | 1.0 | T   | T   | 1.0 | T   | 8.0 | 2.0 | 10 | 10 | 1.0 | T  | T   | 1.0 | 4.0 | 7   | 7   | 7 |   |   |
| TIONESTA 2 SE OAM       | SNOWFALL<br>SN ON GNO              | 4.0          | T   | .5 |   | T | T |   | .5 | 2.0 |     | T   | 7.0 | T   | T  | 1.5 | .5 | T   | 1.0 | T   | 8.0 | .5  | T   | T   | .5 | T  | .5  | .5 | .5  | 1.5 | T   | 1.5 | T   | 7 |   |   |
| TOWANOA                 | SNOWFALL<br>SN ON GNO              | .3           | T   |    |   |   |   |   | T  | T   |     | T   | 4.5 | 1.2 | 5  | 5   | 5  | 4   | 4   | 3   | 3   | .3  | 4.5 | .5  | 7  | 7  | 7   | 7  | 6   | 4   | 4   | 4   | 5   | 5 |   |   |
| TOWER CITY 5 SW         | SNOWFALL<br>SN ON GNO              | T            |     |    |   |   |   |   |    |     |     | 4.0 | 6.0 |     |    |     |    | T   |     |     | 2.0 |     | 8.0 |     |    |    |     |    | T   |     | 3.0 |     |     |   |   |   |
| WILLIAMSPORT WB AIRPORT | SNOWFALL<br>SN ON GNO<br>WTR EQUIV | T            |     |    |   |   |   | T | .1 |     |     | 4.8 | 3.1 | 8   | 8  | 8   | .4 | 1.2 | T   |     | .5  | 1.3 | 5.4 | T   | .1 | T  |     |    | 2.8 | T   | T   | 6   | 6   | 6 |   |   |

## DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth       |          | Time       | Day of month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | Average  |          |      |  |  |
|-------------------------------|----------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|--|--|
|                               |          |            | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       |          | 31       |      |  |  |
| <u>ERIE CO FIELD RSCH LAB</u> |          |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |  |
|                               | 8 INCHES | MAX<br>MIN | 41<br>40     | 40<br>39 | 39<br>38 | 39<br>38 | 43<br>39 | 44<br>40 | 44<br>38 | 40<br>37 | 37<br>36 | 37<br>36 | 37<br>36 | 36<br>35 | 35<br>35 | 36<br>35 | 36<br>35 | 35<br>35 | 36<br>35 | 36<br>36 | 36<br>36 | 36<br>36 | 37<br>37 | 35<br>35 | 35<br>35 | 36<br>36 | 36<br>35 | 36<br>35 | 36<br>35 | 35<br>35 | 35<br>35 | 35<br>35 | 35<br>35 | 35<br>35 | 37.3 |  |  |
| <u>LANDISVILLE 2 NW</u>       |          |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |  |  |
|                               | 2 INCHES | 8 AM       | 36           | 32       | 34       | 34       | 40       | 40       | 43       | 38       | 22       | 31       | 33       | 16       | 30       | 28       | 28       | 30       | 29       | 28       | 28       | 26       | 31       | 30       | 24       | 24       | 26       | 25       | 30       | 22       | 25       | 29       | 26       | 29.6     |      |  |  |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

See reference notes following Station Index.

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DELAYED DATA

| Station  | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|--|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|--------------|-------|--------------------------------|--------------|------|-------------|---------------------|------|-------------|------------|-------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------|------|------|------|-------|----|-----|----|---|----|---|---|---|---|------|-------|-----|----|----|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------|------|------|------|--|----|---|----|----|----|---|---|---|---|------|--|------|----|----|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------|------|------|------|--|----|----|----|----|---|---|---|----|---|------|--|-----|----|-----|---|----|---|---|---|--------------|-------|-------|-------|--|----|-----|----|----|-----|---|---|---|---|-----|--|-----|----|---|---|--|--|---|---|---|------------|------|------|------|-------|----|----|----|----|-----|---|---|---|---|------|--------|-----|----|----|---|--|--|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------|------|------|------|--|----|----|----|----|-----|---|---|----|---|------|--|-----|----|----|---|---|---|---|---|------------|------|------|------|----|----|----|----|---|-----|---|---|----|---|------|--------|-----|---|---|---|-----|---|---|---|
|  | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No of Days   |              |               |              | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                     |      | No. of Days |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|  |                 |                 |         |                                |         |      |        |      |             | Max          |              | Min           |              |       |                                |              |      | Total       | Max Depth on Ground | Date | 10 or More  | 50 or More | 100 or More |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|  |                 |                 |         |                                |         |      |        |      |             | 90° or Above | 80° or Above | 70° or Above  | 60° or Above |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| CORRECTIONS  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">JULY 1960</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>EMPORIUM 1 N</td> <td></td> <td></td> <td>M</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>HUNTINGDON</td> <td>82.9</td> <td>55.1</td> <td>69.0</td> <td>- 4.1</td> <td>90</td> <td>31+</td> <td>45</td> <td>6</td> <td>18</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>3.64</td> <td>- .34</td> <td>.74</td> <td>14</td> <td>.0</td> <td>0</td> <td></td> <td></td> <td>9</td> <td>2</td> <td>0</td> </tr> <tr> <td colspan="22"> </td> </tr> <tr> <td colspan="22" style="text-align: center;">SEPTEMBER 1960</td> </tr> <tr> <td>HUNTINGDON</td> <td>77.6</td> <td>53.6</td> <td>65.6</td> <td></td> <td>92</td> <td>2</td> <td>41</td> <td>15</td> <td>56</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>4.65</td> <td></td> <td>1.73</td> <td>12</td> <td>.0</td> <td>0</td> <td></td> <td></td> <td>7</td> <td>3</td> <td>1</td> </tr> <tr> <td colspan="22"> </td> </tr> <tr> <td colspan="22" style="text-align: center;">OCTOBER 1960</td> </tr> <tr> <td>BRAOFORD FAA AIRPORT</td> <td>57.5</td> <td>34.7</td> <td>46.1</td> <td></td> <td>75</td> <td>14</td> <td>24</td> <td>26</td> <td>0</td> <td>0</td> <td>0</td> <td>14</td> <td>0</td> <td>1.58</td> <td></td> <td>.36</td> <td>24</td> <td>1.4</td> <td>1</td> <td>25</td> <td>6</td> <td>0</td> <td>0</td> </tr> <tr> <td>BURNT CABINS</td> <td>66.1M</td> <td>40.1M</td> <td>53.1M</td> <td></td> <td>80</td> <td>16+</td> <td>24</td> <td>26</td> <td>364</td> <td>0</td> <td>0</td> <td>5</td> <td>0</td> <td>.79</td> <td></td> <td>.15</td> <td>20</td> <td>T</td> <td>0</td> <td></td> <td></td> <td>5</td> <td>0</td> <td>0</td> </tr> <tr> <td>HUNTINGDON</td> <td>66.2</td> <td>36.5</td> <td>51.4</td> <td>- 2.1</td> <td>82</td> <td>15</td> <td>24</td> <td>26</td> <td>416</td> <td>0</td> <td>0</td> <td>8</td> <td>0</td> <td>1.03</td> <td>- 1.78</td> <td>.34</td> <td>20</td> <td>.0</td> <td>0</td> <td></td> <td></td> <td>4</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="22"> </td> </tr> <tr> <td colspan="22" style="text-align: center;">NOVEMBER 1960</td> </tr> <tr> <td>EAGLES MERE</td> <td>46.9</td> <td>31.2</td> <td>39.1</td> <td></td> <td>57</td> <td>28</td> <td>17</td> <td>30</td> <td>770</td> <td>0</td> <td>1</td> <td>18</td> <td>0</td> <td>2.21</td> <td></td> <td>.74</td> <td>30</td> <td>.5</td> <td>1</td> <td>6</td> <td>5</td> <td>2</td> <td>0</td> </tr> <tr> <td>HUNTINGDON</td> <td>56.8</td> <td>28.2</td> <td>42.5</td> <td>.9</td> <td>73</td> <td>16</td> <td>14</td> <td>8</td> <td>667</td> <td>0</td> <td>0</td> <td>19</td> <td>0</td> <td>1.93</td> <td>- 1.15</td> <td>.75</td> <td>1</td> <td>T</td> <td>T</td> <td>30+</td> <td>6</td> <td>1</td> <td>0</td> </tr> </table> |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             | JULY 1960  |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | EMPORIUM 1 N |  |  | M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | HUNTINGDON | 82.9 | 55.1 | 69.0 | - 4.1 | 90 | 31+ | 45 | 6 | 18 | 2 | 0 | 0 | 0 | 3.64 | - .34 | .74 | 14 | .0 | 0 |  |  | 9 | 2 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SEPTEMBER 1960 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | HUNTINGDON | 77.6 | 53.6 | 65.6 |  | 92 | 2 | 41 | 15 | 56 | 2 | 0 | 0 | 0 | 4.65 |  | 1.73 | 12 | .0 | 0 |  |  | 7 | 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | OCTOBER 1960 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BRAOFORD FAA AIRPORT | 57.5 | 34.7 | 46.1 |  | 75 | 14 | 24 | 26 | 0 | 0 | 0 | 14 | 0 | 1.58 |  | .36 | 24 | 1.4 | 1 | 25 | 6 | 0 | 0 | BURNT CABINS | 66.1M | 40.1M | 53.1M |  | 80 | 16+ | 24 | 26 | 364 | 0 | 0 | 5 | 0 | .79 |  | .15 | 20 | T | 0 |  |  | 5 | 0 | 0 | HUNTINGDON | 66.2 | 36.5 | 51.4 | - 2.1 | 82 | 15 | 24 | 26 | 416 | 0 | 0 | 8 | 0 | 1.03 | - 1.78 | .34 | 20 | .0 | 0 |  |  | 4 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | NOVEMBER 1960 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | EAGLES MERE | 46.9 | 31.2 | 39.1 |  | 57 | 28 | 17 | 30 | 770 | 0 | 1 | 18 | 0 | 2.21 |  | .74 | 30 | .5 | 1 | 6 | 5 | 2 | 0 | HUNTINGDON | 56.8 | 28.2 | 42.5 | .9 | 73 | 16 | 14 | 8 | 667 | 0 | 0 | 19 | 0 | 1.93 | - 1.15 | .75 | 1 | T | T | 30+ | 6 | 1 | 0 |
| JULY 1960  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| EMPORIUM 1 N   |                 |                 | M       |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| HUNTINGDON   | 82.9            | 55.1            | 69.0    | - 4.1                          | 90      | 31+  | 45     | 6    | 18          | 2            | 0            | 0             | 0            | 3.64  | - .34                          | .74          | 14   | .0          | 0                   |      |             | 9          | 2           | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| SEPTEMBER 1960   |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| HUNTINGDON   | 77.6            | 53.6            | 65.6    |                                | 92      | 2    | 41     | 15   | 56          | 2            | 0            | 0             | 0            | 4.65  |                                | 1.73         | 12   | .0          | 0                   |      |             | 7          | 3           | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| OCTOBER 1960   |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| BRAOFORD FAA AIRPORT   | 57.5            | 34.7            | 46.1    |                                | 75      | 14   | 24     | 26   | 0           | 0            | 0            | 14            | 0            | 1.58  |                                | .36          | 24   | 1.4         | 1                   | 25   | 6           | 0          | 0           |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| BURNT CABINS   | 66.1M           | 40.1M           | 53.1M   |                                | 80      | 16+  | 24     | 26   | 364         | 0            | 0            | 5             | 0            | .79   |                                | .15          | 20   | T           | 0                   |      |             | 5          | 0           | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| HUNTINGDON   | 66.2            | 36.5            | 51.4    | - 2.1                          | 82      | 15   | 24     | 26   | 416         | 0            | 0            | 8             | 0            | 1.03  | - 1.78                         | .34          | 20   | .0          | 0                   |      |             | 4          | 0           | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
|  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| NOVEMBER 1960  |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |             |                     |      |             |            |             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| EAGLES MERE  | 46.9            | 31.2            | 39.1    |                                | 57      | 28   | 17     | 30   | 770         | 0            | 1            | 18            | 0            | 2.21  |                                | .74          | 30   | .5          | 1                   | 6    | 5           | 2          | 0           |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |
| HUNTINGDON   | 56.8            | 28.2            | 42.5    | .9                             | 73      | 16   | 14     | 8    | 667         | 0            | 0            | 19            | 0            | 1.93  | - 1.15                         | .75          | 1    | T           | T                   | 30+  | 6           | 1          | 0           |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |       |    |     |    |   |    |   |   |   |   |      |       |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |      |      |      |  |    |   |    |    |    |   |   |   |   |      |  |      |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |      |      |      |  |    |    |    |    |   |   |   |    |   |      |  |     |    |     |   |    |   |   |   |              |       |       |       |  |    |     |    |    |     |   |   |   |   |     |  |     |    |   |   |  |  |   |   |   |            |      |      |      |       |    |    |    |    |     |   |   |   |   |      |        |     |    |    |   |  |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |      |      |      |  |    |    |    |    |     |   |   |    |   |      |  |     |    |    |   |   |   |   |   |            |      |      |      |    |    |    |    |   |     |   |   |    |   |      |        |     |   |   |   |     |   |   |   |

## DAILY PRECIPITATION

PENNSYLVANIA  
CORRECTED DATA

| Station        | Day of month |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      | Total |      |   |
|----------------|--------------|-----|-----|------|-----|---|-----|---|---|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|------|-------|------|---|
|                | 1            | 2   | 3   | 4    | 5   | 6 | 7   | 8 | 9 | 10  | 11  | 12   | 13   | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24 | 25 | 26  | 27  | 28 | 29  | 30  | 31   |       |      |   |
|                |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| JULY 1960      |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| EMPORIUM 2 SSW | .02          | .19 |     | 1.49 |     |   |     |   |   |     |     | .36  | .01  | T   | .46 | .37 | .01 |     |     | .70 | .60 | .02 | -   | -  | -  | -   | -   | -  | -   | -   | -    | -     | -    | - |
| STATE COLLEGE  | T            | .76 |     | .26  |     |   |     |   |   |     | .30 |      | 1.13 | .45 |     |     |     |     | .20 | .06 |     |     | .03 |    |    | .17 | .16 |    |     |     |      | .02   | 3.56 |   |
|                |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| AUGUST 1960    |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| STATE COLLEGE  |              |     | .35 | .10  | .25 |   | .26 |   |   |     |     |      |      | T   | .01 | .03 |     |     |     | .02 | .02 | T   | T   | T  |    |     |     |    |     |     | .08  | 1.12  |      |   |
|                |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| SEPTEMBER 1960 |              |     |     |      |     |   |     |   |   |     |     |      |      |     |     |     |     |     |     |     |     |     |     |    |    |     |     |    |     |     |      |       |      |   |
| STATE COLLEGE  | T            | .17 |     | .06  |     |   |     |   |   | .63 | .68 | 1.72 | .06  | .14 |     | .01 | T   | .57 | .02 | .36 |     |     |     |    |    |     |     |    | .03 | .16 | 4.63 |       |      |   |

## DAILY TEMPERATURES

| Station        | Day of month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |    |    |    |    |    |    |    |    | Average |  |
|----------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----|----|---------|--|
|                | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |  |
|                |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |    |    |    |    |    |    |    |    |         |  |
| JULY 1960      |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |    |    |    |    |    |    |    |    |         |  |
| EMPORIUM 2 SSW | MAX<br>MIN   | 72<br>56 | 67<br>53 | 75<br>51 | 79<br>45 | 66<br>40 | 70<br>45 | 72<br>45 | 70<br>42 | 75<br>44 | 81<br>50 | 71<br>53 | 78<br>59 | 82<br>55 | 78<br>58 | 62<br>38 | 74<br>41 | 75<br>48 | 78<br>50 | 81<br>53 | 78<br>58 | 72<br>43 |    |    |    |    |    |    |    |    |    |         |  |

See Reference Notes Following Station Index

# DAILY PRECIPITATION

PENNSYLVANIA  
DELAYED DATA

| Station               | Day of month |     |     |     |     |     |     |   |   |     |     |      |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |      | Total |     |
|-----------------------|--------------|-----|-----|-----|-----|-----|-----|---|---|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|------|-------|-----|
|                       | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8 | 9 | 10  | 11  | 12   | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22 | 23  | 24  | 25  | 26 | 27  | 28  | 29  | 30  | 31   |       |     |
| <b>JULY 1960</b>      |              |     |     |     |     |     |     |   |   |     |     |      |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |      |       |     |
| EMPORIUM 1 N          | -            | -   | -   | -   | -   | -   | -   | - | - | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -   | .19 |     |    | .53 |     |     |     |      |       | .30 |
| HUNTINGDON            | .49          |     |     |     |     |     |     |   |   |     | .47 | .01  |     | .74 | .48 |     |     |     |     | .13 | .50 |    |     | .44 |     |    | .13 | .13 | .03 |     |      | .09   |     |
| <b>SEPTEMBER 1960</b> |              |     |     |     |     |     |     |   |   |     |     |      |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |      |       |     |
| HUNTINGDON            | .06          | .13 |     |     | .06 |     |     |   |   | .17 | .96 | 1.73 | .07 | .01 |     |     |     | .86 | .03 | .29 | .02 |    |     |     |     |    |     | .02 | .14 | .06 |      | 4.85  |     |
| MCKEESPORT            | .02          | .01 |     |     |     | .34 |     |   |   |     |     | 1.87 | .06 | T   |     |     |     |     | .36 | .24 |     |    |     |     |     |    |     |     | T   |     | 2.90 |       |     |
| <b>OCTOBER 1960</b>   |              |     |     |     |     |     |     |   |   |     |     |      |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |      |       |     |
| BRAOFORD FAA AIRPORT  |              | T   |     |     |     | .13 |     |   |   |     |     |      |     |     | .18 |     |     |     | .35 | .01 |     |    | .25 | .36 | T   | T  | .03 |     |     |     | .27  |       |     |
| BURNT CABINS          | .14          |     | .14 |     |     |     |     |   |   |     |     |      |     |     | .05 |     |     |     |     |     | .15 |    | .13 | .12 | .06 |    |     |     |     |     |      | .79   |     |
| HUNTINGDON            | .08          |     | .03 |     |     | .06 | .16 |   |   | .02 |     |      |     |     | .10 |     | .03 |     |     |     | .34 |    |     | .14 | .02 |    |     | .03 |     |     |      | 1.03  |     |
| KARTHAUS              |              |     | .13 |     |     | .47 | .06 |   |   |     |     |      |     |     |     |     |     |     |     |     | .50 |    | .11 | .19 | .09 |    | .07 | T   |     |     | 1.64 |       |     |
| <b>NOVEMBER 1960</b>  |              |     |     |     |     |     |     |   |   |     |     |      |     |     |     |     |     |     |     |     |     |    |     |     |     |    |     |     |     |     |      |       |     |
| EAGLES MERE           | .60          |     | T   | .02 |     | .26 | T   | T |   |     | .41 | T    |     |     | T   |     | .02 |     |     |     |     | T  |     | .06 |     |    |     | T   | .10 | .74 | 2.21 |       |     |
| HUNTINGDON            | .75          | .02 |     |     |     | .16 | .04 |   |   | .22 | .02 |      |     |     |     | .01 | .02 |     |     |     |     |    | .16 |     |     |    |     |     | .27 | .28 | 1.93 |       |     |
| KARTHAUS              | .87          |     |     | T   | .03 | .25 | .05 |   |   | T   | .30 | .03  |     |     |     | .04 | T   | .02 |     |     |     |    | .16 |     |     |    |     |     | .20 | T   | 1.97 |       |     |
| WEST HICKORY          | .42          |     | .05 | .22 | .09 | .31 | .10 |   |   | .04 | .55 | .05  |     |     | .02 | .05 |     |     |     |     |     |    | .10 | .23 |     |    |     |     | .62 | .03 | 3.06 |       |     |

# DAILY TEMPERATURES

| Station               | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|-----------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                       | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |
| <b>JULY 1960</b>      |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |
| EMPORIUM 1 N          | MAX          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 80 | 78 | 80 | 78 | 79 | 80 | 80 | 78 | 84      | 81   |
|                       | MIN          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 44 | 63 | 54 | 45 | 50 | 55 | 54 | 54 | 58      | 55   |
| HUNTINGDON            | MAX          | 80 | 69 | 83 | 89 | 77 | 79 | 81 | 79 | 84 | 89 | 79 | 80 | 90 | 85 | 67 | 79 | 84 | 85 | 88 | 88 | 83 | 80 | 89 | 82 | 85 | 85 | 83 | 85 | 86 | 87 | 90      | 82.9 |
|                       | MIN          | 64 | 56 | 57 | 52 | 46 | 45 | 49 | 48 | 49 | 55 | 57 | 62 | 63 | 63 | 46 | 48 | 51 | 55 | 57 | 60 | 48 | 52 | 55 | 62 | 50 | 56 | 64 | 58 | 60 | 59 | 61      | 55.1 |
| <b>SEPTEMBER 1960</b> |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |
| HUNTINGDON            | MAX          | 88 | 92 | 85 | 79 | 87 | 85 | 86 | 86 | 89 | 90 | 80 | 60 | 70 | 70 | 73 | 80 | 80 | 70 | 72 | 69 | 80 | 75 | 75 | 78 | 78 | 73 | 72 | 69 | 71 | 66 | 77.6    |      |
|                       | MIN          | 65 | 62 | 45 | 44 | 50 | 62 | 58 | 57 | 56 | 58 | 58 | 57 | 48 | 45 | 41 | 43 | 55 | 56 | 60 | 61 | 55 | 56 | 51 | 52 | 53 | 47 | 49 | 51 | 55 | 58 | 53.6    |      |
| <b>OCTOBER 1960</b>   |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |
| BRADFORD FAA AIRPORT  | MAX          | 56 | 64 | 55 | 56 | 64 | 59 | 58 | 63 | 73 | 70 | 65 | 65 | 69 | 75 | 74 | 56 | 66 | 57 | 46 | 46 | 41 | 50 | 51 | 39 | 35 | 48 | 51 | 58 | 61 | 63 | 48      | 57.5 |
|                       | MIN          | 31 | 36 | 32 | 31 | 34 | 39 | 32 | 29 | 35 | 35 | 41 | 31 | 31 | 54 | 47 | 37 | 37 | 33 | 37 | 32 | 31 | 33 | 39 | 29 | 31 | 24 | 39 | 33 | 32 | 31 | 41      | 34.7 |
| BURNT CABINS          | MAX          | 70 | 66 | 66 | 65 | 66 | 75 | 65 | 65 | 65 | 74 | 79 | 80 | 76 | 80 | 80 | 80 | 71 | 72 | 68 | 61 | 51 | 57 | 58 | 56 | 48 | 53 | 57 | 58 |    |    | 55      | 66.1 |
|                       | MIN          | 39 | 34 | 45 | 38 | 32 | 56 | 34 | 34 | 49 | 42 | 49 | 46 | 40 | 47 | 48 | 52 | 49 | 38 | 42 | 48 | 30 | 27 | 38 | 36 | 32 | 24 | 37 | 42 |    |    | 36      | 40.1 |
| HUNTINGDON            | MAX          | 79 | 63 | 68 | 68 | 65 | 68 | 72 | 65 | 67 | 68 | 77 | 80 | 75 | 77 | 82 | 80 | 73 | 74 | 68 | 58 | 54 | 53 | 60 | 59 | 45 | 47 | 53 | 58 | 63 | 67 | 66      | 66.2 |
|                       | MIN          | 37 | 35 | 36 | 37 | 40 | 42 | 37 | 36 | 38 | 47 | 40 | 38 | 36 | 36 | 43 | 53 | 43 | 35 | 38 | 40 | 29 | 30 | 30 | 39 | 36 | 24 | 26 | 39 | 32 | 27 | 32      | 36.5 |
| <b>NOVEMBER 1960</b>  |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |
| EAGLES MERE           | MAX          | 51 | 54 | 50 | 42 | 51 | 40 | 34 | 31 | 37 | 41 | 44 | 39 | 45 | 49 | 56 | 56 | 52 | 49 | 51 | 47 | 52 | 47 | 51 | 43 | 40 | 45 | 47 | 57 | 55 | 52 | 46.9    |      |
|                       | MIN          | 40 | 38 | 34 | 33 | 33 | 26 | 22 | 20 | 19 | 31 | 25 | 25 | 25 | 32 | 44 | 45 | 35 | 30 | 31 | 30 | 36 | 30 | 30 | 26 | 26 | 29 | 34 | 46 | 45 | 17 | 31.2    |      |
| HUNTINGDON            | MAX          | 57 | 65 | 62 | 50 | 59 | 47 | 44 | 43 | 50 | 45 | 48 | 50 | 52 | 63 | 70 | 73 | 64 | 57 | 60 | 58 | 60 | 61 | 60 | 55 | 49 | 52 | 64 | 62 | 68 | 57 | 56.8    |      |
|                       | MIN          | 45 | 32 | 36 | 40 | 43 | 34 | 29 | 14 | 16 | 33 | 20 | 17 | 18 | 19 | 34 | 41 | 40 | 22 | 24 | 23 | 25 | 22 | 23 | 15 | 16 | 26 | 28 | 43 | 45 | 24 | 28.2    |      |

See reference notes following Station Index.



CORRECTIONS

MONTH: JULY 1960

Climatological Data Table:  
Emporium 2 SSW

Delete all data; see corrected data  
this publication for record.

State College

Delete all precipitation data, see  
corrected data for record.

Daily Precipitation Table:  
Emporium 2 SSW

Delete all data; see corrected data  
this publication, for record.

Pine Grove 1 NE

Amount on the 30th should be \*; 31st  
should be 1.20; monthly total should  
be 4.47.

Shamokin

Amount on the 30th should be 0.53;  
monthly total should be 4.97; departure  
from long-term average + .48.

State College

Delete all precipitation data, see  
corrected data for record.

Daily Temperature Table:  
Emporium 2 SSW

Delete all data; see corrected data,  
this publication, for record.

MONTH: AUGUST 1960

Climatological Data Table:  
Emporium 2 SSW

All data published under Emporium 2 SSW  
should be shown as Emporium 1 N

State College

Delete all precipitation data, see  
corrected data for record.

Daily Precipitation Table:  
Emporium 2 SSW

All data published under Emporium 2 SSW  
should be shown as Emporium 1 N

State College

Delete all precipitation data, see  
corrected data for record.

Sutersville

Amount on the 6th should be 0.

Daily Temperature Table  
Emporium 2 SSW

All data published under Emporium 2 SSW  
should be shown as Emporium 1 N

MONTH: SEPTEMBER 1960

Climatological Data Table:  
State College

Delete Precipitation Data, see corrected  
data for record.

Daily Precipitation Table:  
Berwick

Amount on the 1st and 2nd should be Trace.

State College

Delete precipitation data, see corrected  
data for record.

MONTH: NOVEMBER 1960

Climatological Data Table:  
Devault 1 W

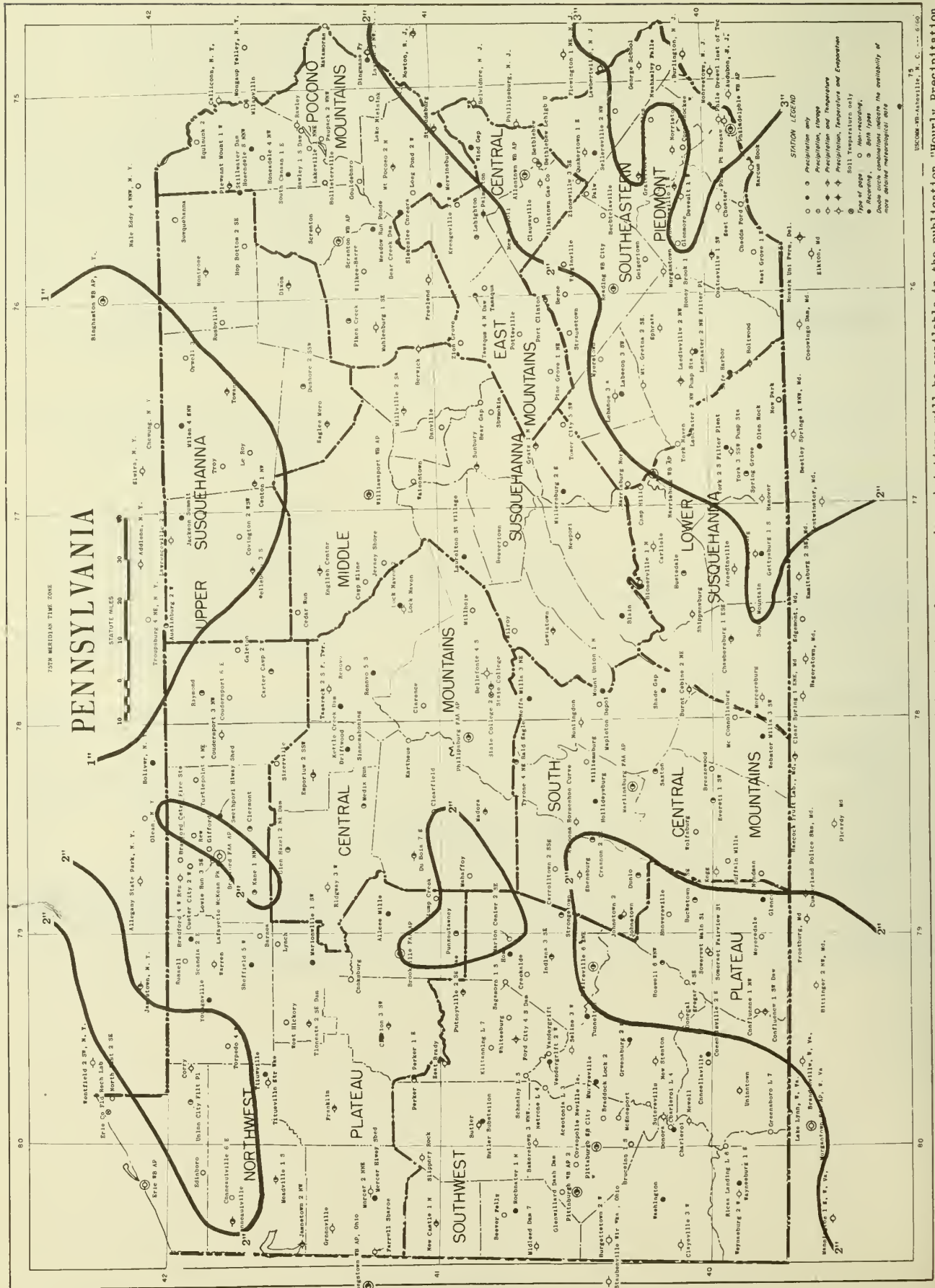
Total Precipitation should be 2.11. No.  
of days with .10 or more 4. Southeastern  
Piedmont Division average precipitation  
should be 2.16, departure from long-term  
average -1.35.

Daily Precipitation Table:  
Devault 1 W

Correct as follows: 2nd, .02; 3rd, .08;  
6th, .01; 9th, .03; 23rd, .06.

# TOTAL PRECIPITATION

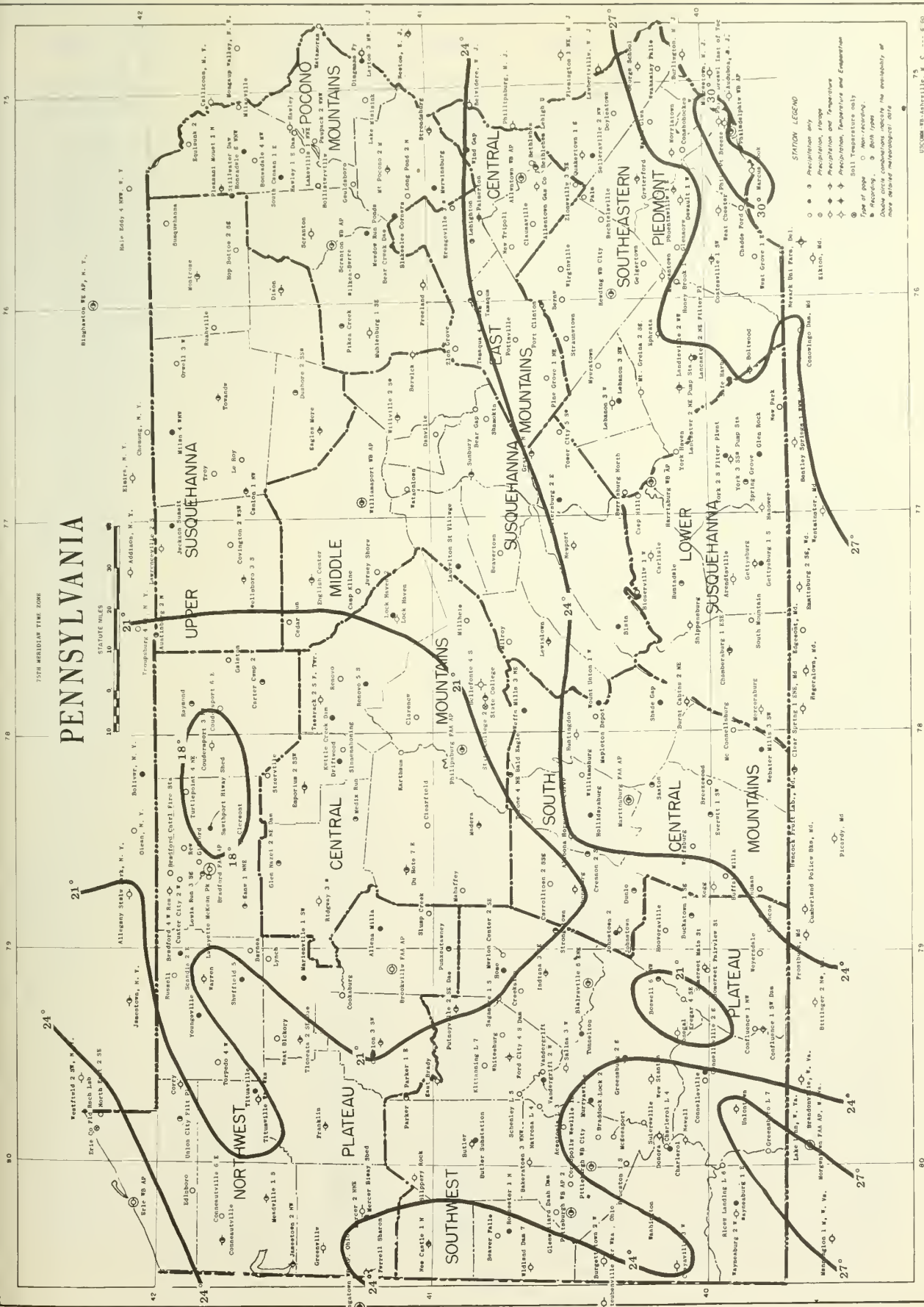
PENNSYLVANIA  
DECEMBER 1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
DECEMBER 1960



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



# STATION INDEX

PENNSYLVANIA  
DECEMBER 1960

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |                         | OBSERVER              | STATION | INDEX NO.   | COUNTY | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |                         |       |         | OBSERVER |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|-------------------------|-----------------------|---------|-------------|--------|------------|----------|-----------|-----------|-----------------------------|-------------------------|-------|---------|----------|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL                 |                       |         |             |        |            |          |           |           | TEMP.                       | PRECIP.                 | EVAP. | SPECIAL |          |
| STATE COLLEGE          | 8449      | CENTRE       | 16         | 40 48    | 77 52     | 1173      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY    | WEST CHESTER          | 9464    | CHESTER     | 5      | 39 58      | 75 36    | 440       | 8A        | 8A                          | DAILY LOCAL NEWS        |       |         |          |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16         | 40 48    | 77 52     | 1180      |                             |         | C     | PA. STATE UNIVERSITY    | WEST GROVE 1 E        | 9503    | CHESTER     | 5      | 39 49      | 75 49    | 440       | 8A        | 8A                          | CONARD-PYLE CO.         |       |         |          |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 4          | 41 42    | 74 29     | 16        |                             |         | C     | ANTHONY E. SLICK        | WEST HICKORY          | 9507    | FOREST      | 1      | 41 34      | 79 25    | 1090      | 8A        | 8A                          | MRS. HELEN F. KINNEAR   |       |         |          |
| STRASSTOWN             | 8570      | BERKS        | 14         | 40 29    | 76 11     | 800       | 8A                          |         | C     | JACOB KLAMR             | WHITESBURG            | 9655    | ARMSTRONG   | 1      | 40 43      | 79 24    | 1530      | 7A        | 7A                          | CORPS OF ENGINEERS      |       |         |          |
| STRONGSTOWN            | 8589      | INDIANA      | 4          | 40 33    | 78 55     | 1880      |                             |         | C     | HARRY F. BENNETT        | WILKES-BARRE          | 9702    | LAZERNE     | 15     | 41 15      | 75 52    | 610       | 7A        | 7A                          | MRS. MARY G. HIRMAK     |       |         |          |
| STROUDSBURG            | 8596      | HOMER        | 4          | 40 59    | 75 12     | 480       | 11R                         | 11P     | C     | WILLIAM MAGERTY         | WILLIAMSBURG          | 9714    | BLAIR       | 6      | 40 28      | 78 12    | 860       | 7A        | 7A                          | MYRON K. BIDDLE         |       |         |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 30     | 1320      | 7A                          |         | C     | CORPS OF ENGINEERS      | WILLIAMSPORT WB AP    | 9728    | LYCONING    | 16     | 41 19      | 76 55    | 527       | MID       | MID                         | U.S. WEATHER BUREAU     |       |         |          |
| SUNNYSID               | 8668      | NORTHUMBLAND | 15         | 40 52    | 76 47     | 480       | 7A                          | 7A      | C     | CHARLES W. BAYLER       | WIND GAP              | 9781    | NORTHAMPTON | 5      | 40 51      | 75 18    | 765       |           |                             | MRS. MARY D. HOELZEL    |       |         |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      | 7A                          |         | C     | MRS. LAURA A. BENSON    | WOLFSBURG             | 9823    | BEAFORD     | 6      | 40 03      | 78 32    | 1190      | 7A        | 7A                          | WALTER C. RICE          |       |         |          |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17         | 40 14    | 79 48     | 765       | 7A                          |         | C     | HANCE SEE               | YORK 5 SW RUMP STA    | 9933    | YORK        | 15     | 39 55      | 76 45    | 390       | 5P        | 5P                          | YORK WATER COMPANY      |       |         |          |
| TANAQUA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 830       | 8A                          |         | C     | MRS. MARY L. ROBERTS    | YORK 2 S FILTER RLANT | 9938    | YORK        | 15     | 39 56      | 76 44    | 640       |           |                             | YORK WATER COMPANY      |       |         |          |
| TANAQUA & N DAM        | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      | 7A                          |         | C     | RANTHER VALLEY WTR. CO. | YORK HAVEN            | 9990    | YORK        | 15     | 40 07      | 76 43    | 310       |           |                             | METROPOLITAN EDISON CO. |       |         |          |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          | 7A      | C     | JAMES E. SWARTZ         | YOUNGVILLE            | 9966    | WARREN      | 1      | 41 51      | 79 20    | 1225      | 8A        | 8A                          | HENRY CARLETT           |       |         |          |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 26     | 1200      | 8A                          | 8A      | C     | CORPS OF ENGINEERS      | ZION GROVE            | 9990    | SCHUYLKILL  | 15     | 40 54      | 76 13    | 940       | 7A        | 7A                          | JAMES O. TEETER         |       |         |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1950      |                             |         | C     | PA. ELECTRIC CO.        | ZIONSVILLE 3 SE       | 9995    | LEHIGH      | 14     | 40 28      | 75 27    | 680       | 8A        | 8A                          | LESLIE HOWATT           |       |         |          |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7R      |       | CITY OF TITUSVILLE      |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TOWNEO & W             | 8901      | WARREN       | 1          | 41 67    | 78 32     | 1725      | 7A                          |         | C     | MRS. LILY B. GARRER     |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TOWNEO                 | 8905      | BRADFORD     | 15         | 41 46    | 76 26     | 760       | 7P                          | 7A      | C     | MRS. M. O. RARKS        |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TOWER CITY 5 SW        | 8910      | DAUPHIN      | 15         | 40 31    | 76 37     | 745       | 6P                          |         | H     | HARRISBURG WATER DEPT.  |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TROY                   | 8959      | BRADFORD     | 15         | 41 67    | 76 47     | 1100      | 7A                          |         | C     | JENNIE L. BALLARD       |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 880       |                             |         | C     | MRS. MARY E. WEJMER     |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TURTLEPOINT & NE       | 9002      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      | 7A                          |         | C     | ROBERT O. STRAIT        |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          |         | C     | FREDERICK L. FRIDAY     |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| UNION CITY FILT PLANT  | 9042      | ERIC         | 1          | 41 59    | 79 48     | 1400      | 7A                          |         | C     | HAROLD W. MANNORD       |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| UNIONTOWN              | 9050      | PAYETTE      | 10         | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       | WM. W. MARSELLER        |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          |         | C     | UNITED ENG. & FDRY. CO. |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND | 7          | 40 36    | 79 36     | 895       | 7A                          |         | C     | EUGENE R. YOUNG         |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       | 8A                          |         | C     | MRS. MARY M. WRIGHT     |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      | 7P                          | 7A      | C     | GILBERT M. REISER       |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         | C     | PA. DEPT. HIGHWAYS      |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 490       | 9P                          |         | C     | WILLIAM BIRD            |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      | C     | SAMUEL B. GREENLEE      |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         | C     | SEWAGE DISPOSAL RLANT   |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       |                             |         | C     | WILLIAM O. COVER        |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      | C     | MARION L. SHUMWAY       |                       |         |             |        |            |          |           |           |                             |                         |       |         |          |

1-ALLEGHENY; 2-BEAVER; 3-4-CONEMAUGH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-VOUGHNIEGHENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

ANNUAL SUMMARY 1960

Volume 65      No. 13



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AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1960

Table 1-Continued

| STATION                  | January     |           | February    |           | March       |           | April       |           | May         |           | June        |           | July        |           | August      |           | September   |           | October     |           | November    |           | December    |           | Annual      |           |
|--------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
|                          | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure |
| ALTOONA                  | 28.7        | -.2       | 31.4        | 2.4       | 25.7        | -11.6     | 51.8        | 3.0       | 56.8        | -3.0      | 65.7        | -2.7      | 57.7        | -5.6      | 70.3        | -.6       | 63.0        | -.3       | 50.1        | -2.9      | 40.7        | -1.0      | 21.3        | -9.8      | 47.7        | -2.7      |
| BURK                     | 31.6        |           | 32.8        |           | 29.2        |           | 54.5        |           | 57.7        |           | 67.9        |           | 70.5        |           | 73.2        |           | 64.9        |           | 52.2        |           | 43.1        |           | 21.8        |           | 50.0        |           |
| CHARLTON 2 S FIRE TWR    | 24.2        |           | 24.7        |           | 21.7        |           | 49.0        |           | 53.1M       |           | 63.5        |           | 66.0        |           | 68.5        |           | 64.4        |           | 46.8M       |           | 40.3        |           | 19.1        |           | 45.8        |           |
| HESTER 2 SE DAM          | 27.6        |           | 27.6        |           | 20.1        |           | 48.6        |           | 54.6        |           | 63.7        |           | 66.0        |           | 68.1        |           | 64.4        |           | 48.9        |           | 41.0        |           | 18.8        |           | 45.7        |           |
| JACKSONVILLE WATER WORKS | 27.9        |           | 27.6        |           | 21.1        |           | 49.6        |           | 55.4        |           | 63.7        |           | 65.4        |           | 68.1        |           | 63.5        |           | 47.7        |           | 39.7        |           | 19.2        |           | 45.7        |           |
| LANCASTER                | 29.0        | 1.2       | 29.0        | 2.3       | 25.5        | -10.5     | 51.8        | 4.5       | 57.5        | -1.0      | 66.0        | -1.1      | 68.3        | -3.2      | 69.8        | .3        | 64.0        | 1.5       | 49.3        | -2.7      | 41.5        | 1.0       | 21.6        | -8.0      | 47.8        | -1.4      |
| LEWISBURG                | 35.3        | .5        | 32.1        | -2.7      | 29.6        | -12.5     | 56.6        | 4.0       | 60.5        | -4.8      | 69.5        | -1.3      | 69.9        | -4.3      | 73.3        | .8        | 67.6        | .9        | 54.4        | -1.7      | 44.6        | .1        | 27.5        | -7.7      | 51.7        | -2.2      |
| LEWISBURG 2 W            | 29.4        | 1.3       | 28.8        | 1.6       | 23.9        | -11.0     | 51.0        | 4.9       | 56.8        | -8        | 65.2        | -1.7      | 67.8        | -2.9      | 70.7        | 1.2       | 64.8        | 2.2       | 49.8        | -2.4      | 41.8        | 1.8       | 22.5        | -7.5      | 47.7        | -1.1      |
| LEWISBURG 3 S            | 33.6        | .3        | 31.4        | -2.9      | 27.0        | -13.9     | 54.2        | 3.2       | 58.3        | -2.8      | 67.5        | -2.2      | 68.6        | -4.4      | 71.5        | .1        | 66.4        | 1.4       | 52.0        | -2.3      | 42.0        | .6        | 24.9        | -8.6      | 49.7        | -2.7      |
| LEWISBURG 3 S            | 24.9        |           | 25.9M       |           | 21.3        |           | 48.7        |           | 53.4        |           | 62.2        |           | 64.7        |           | 66.0        |           | 60.5        |           | 47.6        |           | 40.2        |           | 18.9        |           | 44.5        |           |
| LEWISBURG CHESTER        | 35.3        | 2.0       | 36.7        | 3.4       | 33.1        | -8.3      | 57.9        | 6.3       | 61.5        | -1.0      | 71.6        | .8        | 73.7        | -1.8      | 74.5        | 1.2       | 66.2        | .7        | 55.3        | -1.2      | 47.1        | 2.0       | 27.0        | -7.8      | 53.3        | .5        |
| LEWISBURG JAMSPORT WB AP | 31.1        | 2.6       | 32.3        | 3.2       | 28.5        | -9.8      | 54.5        | 5.4       | 57.5        | -2.7      | 68.1        | -1.1      | 69.8        | -3.5      | 72.0        | 1.1       | 64.0        | .3        | 51.2        | -1.8      | 41.5        | .2        | 23.1        | -8.6      | 49.5        | -1.2      |
| LEWISBURG 3 S W PUMP STA | 34.3        | 1.2       | 35.1        | 1.5       | 31.1        | -11.0     | 57.2        | 4.9       | 60.9        | -2.6      | 70.8        | .8        | 73.2        | -2.6      | 75.6        | 1.7       | 68.6        | 1.5       | 55.7        | -1.1      | 45.9        | 1.6       | 26.6        | -7.4      | 52.9        | -1.0      |
| REGIONAL AVERAGES        |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |
| ALTOONA MOUNTAINS        | 27.1        | .7        | 28.5        | 2.2       | 23.4        | -11.2     | 50.4        | 4.3       | 55.8        | -1.8      | 65.0        | -.6       | 67.1        | -3.2      | 68.9        | .1        | 61.9        | 1.1       | 49.7        | -1.3      | 41.0        | 1.7       | 20.9        | -7.6      | 46.6        | -1.3      |
| CENTRAL MOUNTAINS        | 31.5        | 2.2       | 33.2        | 3.8       | 29.5        | -8.1      | 54.5        | 5.9       | 58.6        | -1.2      | 68.9        | .4        | 71.3        | -1.8      | 72.7        | 1.9       | 64.6        | .9        | 53.0        | -1.3      | 43.8        | 2.2       | 25.4        | -5.8      | 50.6        | .0        |
| EASTERN PIEDMONT         | 33.7        | 1.0       | 34.9        | 2.1       | 31.7        | -9.3      | 56.1        | 4.6       | 60.3        | -2.4      | 70.3        | -.9       | 72.8        | -3.1      | 74.3        | .6        | 66.5        | .2        | 54.4        | -1.9      | 45.5        | .9        | 26.7        | -7.6      | 52.3        | -1.3      |
| SUSQUEHANNA              | 33.2        | 1.1       | 33.5        | .8        | 30.8        | -10.1     | 56.2        | 4.7       | 59.5        | -3.2      | 69.5        | -1.7      | 71.9        | -3.6      | 74.4        | 1.0       | 66.7        | .4        | 54.1        | -1.4      | 44.9        | 1.3       | 25.2        | -8.2      | 51.7        | -1.5      |
| SUSQUEHANNA              | 31.5        | 1.8       | 32.1        | 2.0       | 27.5        | -11.0     | 53.6        | 3.9       | 57.1        | -3.9      | 67.0        | -2.3      | 69.3        | -4.4      | 71.9        | .3        | 64.8        | .3        | 51.3        | -2.4      | 42.1        | .4        | 21.4        | -9.8      | 49.1        | -2.1      |
| SUSQUEHANNA              | 26.7        | 1.1       | 27.8        | 2.5       | 22.4        | -11.2     | 49.8        | 4.6       | 55.2        | -1.6      | 63.6        | -1.9      | 66.0        | -4.0      | 67.4        | -.7       | 61.4        | .6        | 48.2        | -2.3      | 40.6        | 2.1       | 19.8        | -7.8      | 45.8        | -1.5      |
| CENTRAL MOUNTAINS        | 27.3        | -.1       | 27.7        | .5        | 22.2        | -13.0     | 50.6        | 3.9       | 54.8        | -3.3      | 64.2        | -2.2      | 65.7        | -4.6      | 68.6        | .1        | 62.6        | 1.2       | 47.9        | -3.2      | 40.3        | 1.2       | 19.6        | -9.2      | 46.0        | -2.4      |
| CENTRAL MOUNTAIN         | 30.9        | .9        | 29.7        | -.5       | 26.7        | -13.0     | 53.7        | 4.9       | 56.9        | -3.0      | 66.6        | -1.7      | 68.0        | -4.0      | 71.5        | 1.3       | 64.7        | 1.3       | 50.7        | -2.3      | 42.8        | 1.9       | 23.1        | -7.9      | 48.8        | -1.6      |
| EAST PLATEAU             | 31.7        | .3        | 29.4        | -1.8      | 25.9        | -13.0     | 53.7        | 4.1       | 57.8        | -2.3      | 66.8        | -2.1      | 68.5        | -3.9      | 71.5        | .8        | 65.9        | 1.6       | 52.0        | -1.7      | 42.7        | 1.0       | 23.7        | -8.6      | 49.1        | -2.2      |
| EAST PLATEAU             | 28.7        | 1.1       | 27.7        | .9        | 22.3        | -12.6     | 50.4        | 4.2       | 55.6        | -1.9      | 64.1        | -2.7      | 66.2        | -4.5      | 68.8        | .0        | 64.3        | 2.1       | 49.3        | -2.3      | 41.3        | 1.9       | 21.0        | -8.3      | 46.6        | -1.9      |

A narrative Special Weather Summary appeared in the February, March, May, September and December issues of this publication for 1960.



TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1960

TABLE 2 CONTINUED

| STATION | January       |           | February      |           | March         |           | April         |           | May           |           | June          |           | July          |           | August        |           | September     |           | October       |           | November      |           | December      |           | Annual        |           |
|---------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|         | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure |
| ALTOONA | 1.81          | - .90     | 3.35          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |
| ANDREW  | 3.40          | 3.31      | 3.31          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |
| ANDREW  | 3.40          | 3.31      | 3.31          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |
| ANDREW  | 3.40          | 3.31      | 3.31          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |
| ANDREW  | 3.40          | 3.31      | 3.31          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |
| ANDREW  | 3.40          | 3.31      | 3.31          | +.85      | 1.65          | -1.67     | 2.88          | - .18     | 5.62          | 2.27      | 3.75          | -.34      | 5.33          | 1.78      | 3.80          | - .53     | 10.50         | 7.74      | 1.70          | - .96     | 2.29          | - .61     | 1.67          | -1.03     | 44.05         | 7.10      |

See Reference Notes Following Station Index



TEMPERATURE EXTREMES AND FREEZE DATA

PENNSYLVANIA 1960

Table with columns for Station, Highest, Date, Lowest, Date, Last spring minimum of (16° or below, 20° or below, 24° or below, 28° or below, 32° or below), First fall minimum of (32° or below, 28° or below, 24° or below, 20° or below, 16° or below), and Number of days between dates (16° or below, 20° or below, 24° or below, 28° or below, 32° or below).

See reference notes following Station Index.

# TEMPERATURE EXTREMES AND FREEZE DATA

PENNSYLVANIA  
1960

Table 3—Continued

| Station                | Highest<br>Date | Lowest<br>Date | Last spring minimum of |        |              |       |              |       |              |       |              |       | First fall minimum of |       |              |       |              |       |              |       |              |       | Number of days between dates |              |              |              |              |       |      |       |
|------------------------|-----------------|----------------|------------------------|--------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|------------------------------|--------------|--------------|--------------|--------------|-------|------|-------|
|                        |                 |                | 16° or below           |        | 20° or below |       | 24° or below |       | 28° or below |       | 32° or below |       | 32° or below          |       | 28° or below |       | 24° or below |       | 20° or below |       | 16° or below |       | 16° or below                 | 20° or below | 24° or below | 28° or below | 32° or below |       |      |       |
|                        |                 |                | Date                   | Temp.  | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date                  | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date                         | Temp.        | Date         | Temp.        | Date         | Temp. | Date | Temp. |
| PUTNEYVILLE 2 SE DAM   | 90              | 6- 3           | -16                    | 12-29+ | 3-27         | 15    | 4-19         | 19    | 5- 2         | 23    | 5- 2         | 23    | 5- 3                  | 29    | 10- 1        | 28    | 10- 1        | 28    | 10-26        | 23    | 11- 7        | 20    | 11- 8                        | 15           | 226          | 202          | 177          | 152   | 151  |       |
| QUAKERTOWN 1 E         | -               | -              | -                      | 12-23  | 3-13         | 16    | 3-26         | 17    | 3-27         | 21    | 4-11         | 28    | 4-20                  | 29    | 10-21        | 30    | 11- 7        | 27    | 11- 8        | 17    | 12- 9        | 11    | 271                          | 227          | 226          | 210          | 184          |       |      |       |
| READING W8 CITY        | 92              | 8-28           | 3                      | 12-23  | 3-12         | 14    | 3-13         | 20    | 3-26         | 22    | 3-26         | 22    | 4-11                  | 31    | 10-24        | 32    | 11- 8        | 25    | 12- 2        | 24    | 12- 9        | 14    | 272                          | 271          | 251          | 227          | 194          |       |      |       |
| RIDGWAY 3 W            | 87              | 9- 8+          | -24                    | 12-13  | 3-26         | 1     | 4-19         | 20    | 5- 2         | 21    | 5- 2         | 21    | 5- 4                  | 31    | 10- 1        | 32    | 10-21        | 28    | 11- 8        | 11    | 11- 8        | 11    | 227                          | 203          | 190          | 172          | 150          |       |      |       |
| SALINA 3 W             | -               | -              | -13                    | 3- 8   | 4-10         | 16    | 4-10         | 16    | 4-19         | 24    | 4-19         | 24    | 5- 2                  | 29    | 10- 1        | 30    | 10-22        | 28    | 12- 1        | 23    | 12- 2        | 12    | 236                          | 236          | 226          | 186          | 152          |       |      |       |
| SCRANTON               | 93              | 8-30           | 0                      | 12-28+ | 3-27         | 14    | 3-27         | 14    | 3-27         | 14    | 4-11         | 27    | 4-12                  | 29    | 10-22        | 30    | 11- 7        | 28    | 11- 8        | 20    | 11- 8        | 20    | 12- 9                        | 10           | 257          | 226          | 226          | 210   | 193  |       |
| SCRANTON W8 AIRPORT    | 90              | 8-29           | -4                     | 12-28+ | 3-26         | 8     | 3-26         | 8     | 3-27         | 21    | 4-11         | 26    | 4-19                  | 32    | 10-21        | 32    | 11- 7        | 23    | 11- 8        | 18    | 12- 8        | 12    | 257                          | 227          | 225          | 210          | 185          |       |      |       |
| SHIPPENSBURG           | 93              | 8-29           | -8                     | 12-23  | 3-16         | 15    | 3-26         | 20    | 3-26         | 20    | 4-11         | 26    | 5- 2                  | 32    | 10-21        | 32    | 10-26        | 27    | 11- 8        | 18    | 11- 8        | 18    | 12- 9                        | 10           | 268          | 227          | 227          | 198   | 172  |       |
| SLIPPERY ROCK          | 94              | 7-13           | -4                     | 12-24+ | 3-26         | 14    | 3-26         | 14    | 4- 6         | 22    | 4-19         | 28    | 4-19                  | 28    | 10-24        | 31    | 11- 7        | 24    | 11- 7        | 24    | 11-30        | 18    | 12- 2                        | 14           | 251          | 249          | 215          | 202   | 188  |       |
| STATE COLLEGE          | 90              | 8-29           | -4                     | 12-24  | 3-26         | 15    | 3-27         | 18    | 3-27         | 18    | 4-11         | 26    | 5- 2                  | 32    | 10-25        | 31    | 11- 7        | 27    | 11- 8        | 20    | 11- 8        | 20    | 12- 9                        | 10           | 258          | 226          | 226          | 210   | 176  |       |
| STROUDSBURG            | 90              | 4-25+          | -13                    | 12-23  | 3-27         | 15    | 3-27         | 15    | 4-11         | 24    | 4-11         | 24    | 5-10                  | 31    | 10- 2        | 30    | 10-21        | 28    | 11- 7        | 20    | 11- 7        | 20    | 11- 8                        | 14           | 226          | 225          | 210          | 193   | 143  |       |
| SUNBURY                | 94              | 8-30           | -12                    | 12-24+ | 3-17         | 16    | 3-26         | 18    | 3-27         | 21    | 4-12         | 28    | 5- 3                  | 31    | 10-22        | 32    | 10-26        | 28    | 11- 8        | 19    | 11- 8        | 19    | 12- 9                        | 13           | 267          | 227          | 226          | 197   | 172  |       |
| TAMARACK 2 S FIRE TWR  | -               | -              | -                      | 12-25  | 3-27         | 11    | 4-11         | 20    | 4-12         | 22    | 4-20         | 28    | 5-12                  | 32    | 10-21        | 30    | 10-25        | 27    | 11- 7        | 22    | 11-30        | 15    | 11-30                        | 15           | 248          | 233          | 209          | 188   | 162  |       |
| TIONESTA 2 SE DAM      | 88              | 9-10           | -16                    | 12-29+ | 3-27         | 13    | 4-11         | 19    | 4-11         | 19    | 5- 2         | 27    | 5- 3                  | 31    | 10-22        | 31    | 11- 7        | 24    | 11- 7        | 24    | 11- 8        | 18    | 12- 2                        | 14           | 250          | 211          | 210          | 189   | 172  |       |
| TITUSVILLE WATER WORKS | 89              | 8-29+          | -22                    | 12-24  | 3-27         | 15    | 4-11         | 20    | 4-20         | 24    | 5- 2         | 25    | 5- 2                  | 31    | 10- 1        | 29    | 10- 5        | 26    | 10-26        | 24    | 11- 8        | 14    | 11- 8                        | 14           | 226          | 211          | 189          | 156   | 152  |       |
| TOWANDA                | 92              | 9- 1           | -16                    | 12-30  | 3-27         | 15    | 3-27         | 15    | 4-11         | 22    | 4-20         | 25    | 5- 3                  | 32    | 10- 2        | 32    | 10-27        | 28    | 11- 7        | 22    | 11- 8        | 15    | 11- 8                        | 15           | 226          | 226          | 210          | 190   | 152  |       |
| UNIONTOWN              | 90              | 7-26           | 1                      | 12-23+ | 3-25         | 16    | 3-25         | 16    | 4-11         | 22    | 4-11         | 22    | 5- 2                  | 29    | 10-22        | 32    | 10-26        | 25    | 11- 7        | 23    | 11- 8        | 18    | 12- 9                        | 7            | 259          | 228          | 210          | 198   | 173  |       |
| WARREN                 | 90              | 9- 1+          | -12                    | 12-24  | 3-26         | 9     | 3-26         | 9     | 4-11         | 21    | 5- 2         | 27    | 5- 2                  | 27    | 10- 5        | 32    | 10-26        | 28    | 11- 8        | 20    | 11- 8        | 20    | 12- 2                        | 15           | 251          | 227          | 211          | 177   | 154  |       |
| WAYNESBORO 2 W         | 92              | 7-26           | -12                    | 12-23  | 3-25         | 13    | 4-11         | 18    | 4-11         | 18    | 5- 2         | 25    | 5- 3                  | 31    | 10-21        | 27    | 10-21        | 27    | 10-26        | 20    | 10-26        | 20    | 11- 8                        | 15           | 228          | 198          | 198          | 172   | 171  |       |
| WELLSBORO 3 S          | 85              | 9- 2+          | -7                     | 12-24  | 3-27         | 11    | 3-27         | 11    | 4-11         | 21    | 4-19         | 26    | 5- 2                  | 30    | 10- 5        | 32    | 10-21        | 28    | 11- 7        | 23    | 11- 8        | 19    | 12- 2                        | 14           | 250          | 226          | 210          | 185   | 154  |       |
| WEST CHESTER           | 94              | 8-31           | 4                      | 12-13  | 3-12         | 15    | 3-26         | 20    | 3-26         | 20    | 3-27         | 27    | 4-11                  | 31    | 10-21        | 32    | 11- 8        | 24    | 11- 8        | 24    | 12- 2        | 20    | 12- 2                        | 9            | 11           | 272          | 251          | 227   | 226  | 191   |
| WILLIAMSPORT W8 AP     | 93              | 8-29           | -11                    | 12-23  | 3-26         | 15    | 3-27         | 20    | 3-27         | 20    | 4-11         | 27    | 5- 2                  | 32    | 10-22        | 31    | 11- 7        | 24    | 11- 7        | 24    | 11- 8        | 20    | 12- 8                        | 15           | 257          | 226          | 225          | 210   | 171  |       |
| YORK 3 SSW PUMP STA    | 94              | 8-29           | -9                     | 12-23  | 3-16         | 14    | 3-23         | 19    | 4-11         | 24    | 4-11         | 24    | 5- 2                  | 30    | 10-21        | 30    | 10-26        | 27    | 11- 8        | 20    | 11- 8        | 20    | 12- 9                        | 14           | 268          | 230          | 211          | 198   | 171  |       |

# TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

| Station             |      | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov. | Dec. | Annual |
|---------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| BELLEFONTE 4 S      | EVAP | -    | -    | -    | -     | B6.34 | B7.82 | B7.19 | 6.42  | B4.56 | B2.86 | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | 238   | 197   | 153   | 160   | 131   | 166   | -    | -    | -      |
| CONFLUENCE 1 SW DAM | EVAP | -    | -    | -    | B4.14 | B4.39 | 5.65  | 5.22  | 4.71  | B3.24 | 1.99  | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -    | -    | -      |
|                     | WIND | -    | -    | -    | B2086 | 1844  | 1317  | 936   | 983   | 953   | 1269  | -    | -    | -      |
| FORD CITY 4 S DAM   | EVAP | -    | -    | -    | -     | B4.65 | B5.84 | 6.46  | 4.69  | 3.71  | 2.17  | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | B1227 | 1054  | 782   | 659   | 647   | 908   | -    | -    | -      |
| JAMESTOWN 2 NW      | EVAP | -    | -    | -    | -     | B4.21 | 5.09  | B5.26 | 4.55  | 3.35  | -     | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | 0.08  | 0.05  | -0.05 | -0.14 | -0.01 | -     | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | 864   | 688   | 456   | 431   | 459   | -     | -    | -    | -      |
| LANDISVILLE 2 NW    | EVAP | -    | -    | -    | -     | B5.65 | B7.16 | 7.75  | 5.79  | B3.85 | 3.15  | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -     | -    | -    | -      |
|                     | WIND | -    | -    | -    | 2399  | 1682  | 1580  | 1456  | 1062  | 1042  | 1559  | -    | -    | -      |

### RELOCATION AND CHANGES OF EQUIPMENT

|  |  |   |
|--|--|---|
| <p>BELLEFONTE 4 S<br/>EDINBORO 6 SW<br/>ENGLISH CENTER<br/>ENGLISH CENTER<br/>GETTYSBURG 1 S</p> | <p>Recorder removed<br/>All equipment moved 4.4 miles S to Conneautville 6 E<br/>Temperature equipment installed<br/>All equipment moved 45 feet NE<br/>Recorder moved 500 feet NE</p> | <p>February 1, 1960<br/>February 3, 1960<br/>January 1, 1960<br/>August 11, 1960<br/>May 17, 1960</p>         |
| <p>GRATERFORD<br/>GRATERFORD<br/>HANOVER<br/>ROOVERSVILLE<br/>HYNDMAN</p>                        | <p>All equipment moved 0.1 mile ENE<br/>Temperature equipment removed<br/>All equipment moved 200 feet NW<br/>Temperature equipment installed<br/>All equipment moved 0.5 mile NW</p>  | <p>June 30, 1960<br/>July 1, 1960<br/>July 13, 1960<br/>May 25, 1960<br/>April 1, 1960</p>                    |
| <p>MERCERSBURG<br/>MERCERSBURG<br/>MILLVILLE 2 SW<br/>MILLVILLE 2 SW<br/>MC CONNELLSBURG</p>     | <p>All equipment moved 1/4 mile SW<br/>Temperature equipment installed<br/>All equipment moved 8 feet S<br/>Temperature equipment installed<br/>All equipment moved 1/4 mile N</p>     | <p>November 5, 1959<br/>November 5, 1959<br/>October 28, 1959<br/>October 28, 1959<br/>September 14, 1960</p> |
| <p>RUSSELL<br/>RUSSELL<br/>STATE COLLEGE</p>   | <p>All equipment moved 0.3 mile NW<br/>All equipment moved 0.3 mile SE<br/>Soil temperature equipment removed</p>  | <p>September 7, 1960<br/>November 17, 1960<br/>January 1, 1960</p>  |

See reference notes following Station Index.

# SOIL TEMPERATURES

PENNSYLVANIA  
1960

| Station and Depth             | January |          | February |          | March   |          | April   |          | May     |          | June    |          | July    |          | August  |          | September |          | October |          | November |          | December |          | Annual  |          |  |
|-------------------------------|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|--|
|                               | Average | Extremes | Average  | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average   | Extremes | Average | Extremes | Average  | Extremes | Average  | Extremes | Average | Extremes |  |
| <u>ERIE CO FIELD RSCH LAB</u> |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |
| 8 INCHES                      | 34.2    | 37/33    | 34.1     | 39/33    | 35.3    | 50/33    | 49.2    | 66/37    | 57.7    | 70/47    | 67.2    | --/56    | 72.8    | 80/66    | 74.4    | 79/88    | 72.0      | 82/63    | 55.8    | 64/44    | 44.9     | 51/39    | 38.9     | 44/35    | 52.9    | 82/33    |  |
| <u>LANDISVILLE 2 NW</u>       |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |
| 2 INCHES                      | 32.6    | 37/29    | 32.1     | 40/29    | 30.2    | 46/24    | 38.4    | 61/37    | 55.7    | 62/47    | 64.8    | 69/60    | 67.8    | 71/64    | 69.6    | 73/65    | 65.9      | 69/61    | 55.2    | 63/44    | 43.6     | 53/39    | 29.8     | 43/16    | 48.8    | 73/16    |  |
| <u>STATE COLLEGE 2</u>        |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |
| 2 INCHES                      | 29.3    | 35/24    | 30.1     | 39/25    | 29.6    | 50/19    | 50.1    | 74/30    | 54.8    | 75/41    | 69.4    | 84/56    | 70.8    | 84/58    | 73.4    | 86/59    | 66.6      | 86/54    | 52.0    | 66/38    | 40.8     | 53/32    | 30.4     | 41/25    | 49.8    | 86/19    |  |
| 4 INCHES                      | 30.2    | 34/26    | 30.5     | 37/27    | 29.4    | 45/21    | 48.6    | 67/32    | 56.8    | 68/43    | 67.1    | 77/57    | 69.7    | 79/60    | 71.8    | 80/62    | 66.1      | 79/56    | 52.5    | 63/39    | 41.1     | 51/33    | 30.7     | 41/26    | 49.5    | 80/21    |  |
| 8 INCHES                      | 31.2    | 33/29    | 31.0     | 35/30    | 29.8    | 41/25    | 47.0    | 61/34    | 56.0    | 64/47    | 66.4    | 73/58    | 68.6    | 74/62    | 70.7    | 76/65    | 65.8      | 75/58    | 53.0    | 62/43    | 43.0     | 50/36    | 32.5     | 40/29    | 49.6    | 76/25    |  |
| 12 INCHES                     | -       | --       | -        | --       | -       | --       | -       | --       | 54.7    | 61/48    | 64.7    | 68/58    | 67.5    | 70/63    | 69.4    | 72/67    | 63.5      | 72/61    | 54.3    | 63/46    | 43.5     | 50/40    | 34.6     | 41/31    | -       | --       |  |
| 16 INCHES                     | 33.6    | 36/32    | 32.1     | 35/32    | 31.8    | 36/30    | 44.9    | 54/36    | 54.3    | 60/49    | 63.8    | 67/57    | 66.7    | 69/63    | 68.8    | 71/67    | 65.8      | 71/61    | 55.0    | 63/48    | 44.6     | 51/41    | 35.4     | 43/32    | 49.7    | 71/30    |  |

Erie Co Field Rsch Lab - Monthly averages are obtained by taking the average of max and min values.

Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Monthly averages are obtained by taking the average of single daily observations at 8 a.m.

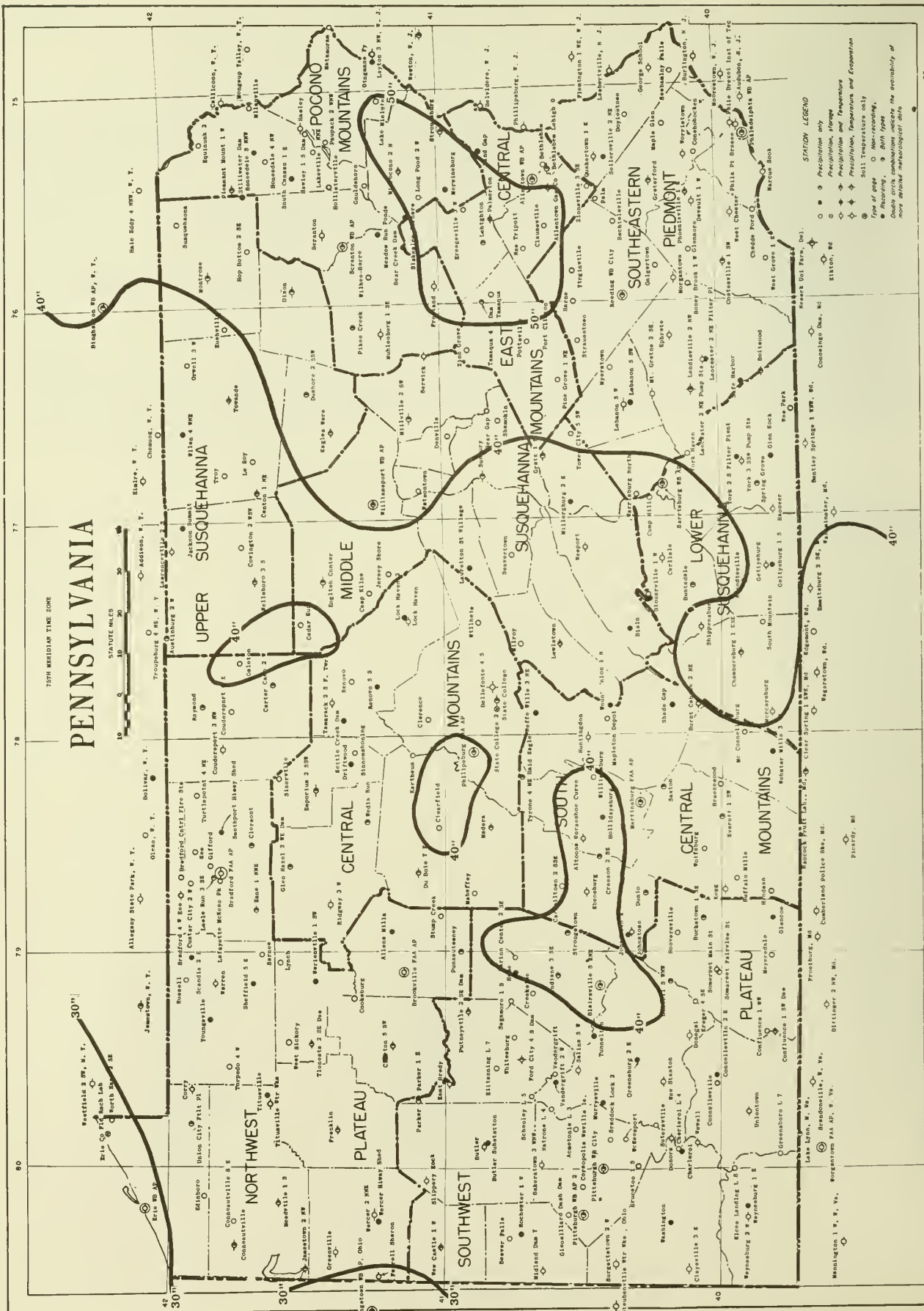
Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Monthly averages are obtained by taking the average of max and min values.

Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# TOTAL PRECIPITATION

PENNSYLVANIA  
1960

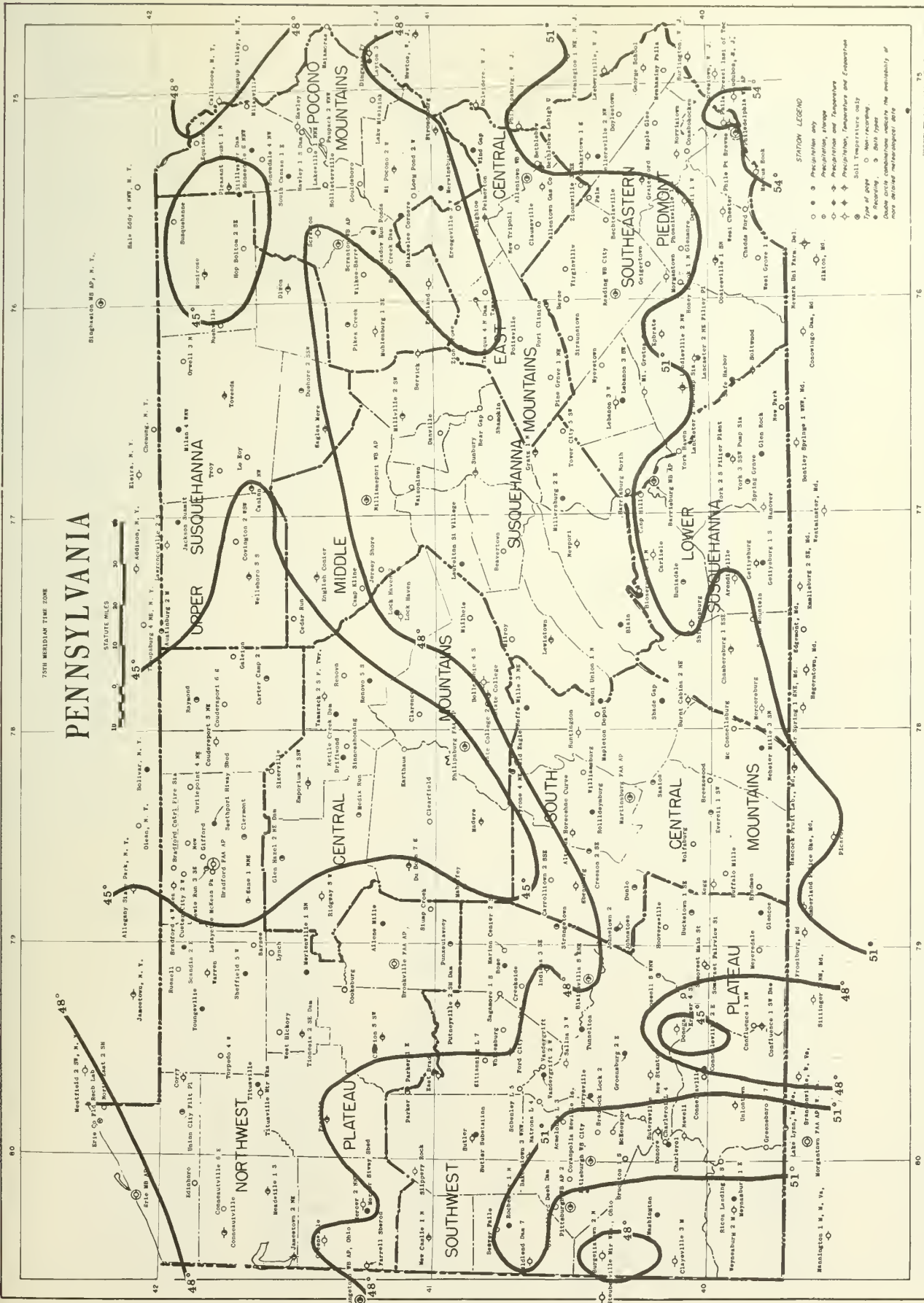


Isohyets are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
1960



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

Table with columns: Station, Index No, County, Drainage, Latitude, Longitude, Elevation, Temp., Precip., Evap., Months opened/closed, Years of record, Refer to tables, Station, Index No, County, Drainage, Latitude, Longitude, Elevation, Temp., Precip., Evap., Months opened/closed, Years of record, Refer to tables. Includes entries like RUSHVILLE, RUSSELL, SAFE HARBOR, SAGAMORE 1 S, SAGAMORE 3 W, SEXTON, SCANDIA 2 E, etc.

1-ALLEGHENY; 2-HEAVER; 3-4-CONEMAUGH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETS; 8-LAKE ERIE; 9-LEIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-ST. LAWRENCE; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOWEN

REFERENCE NOTES

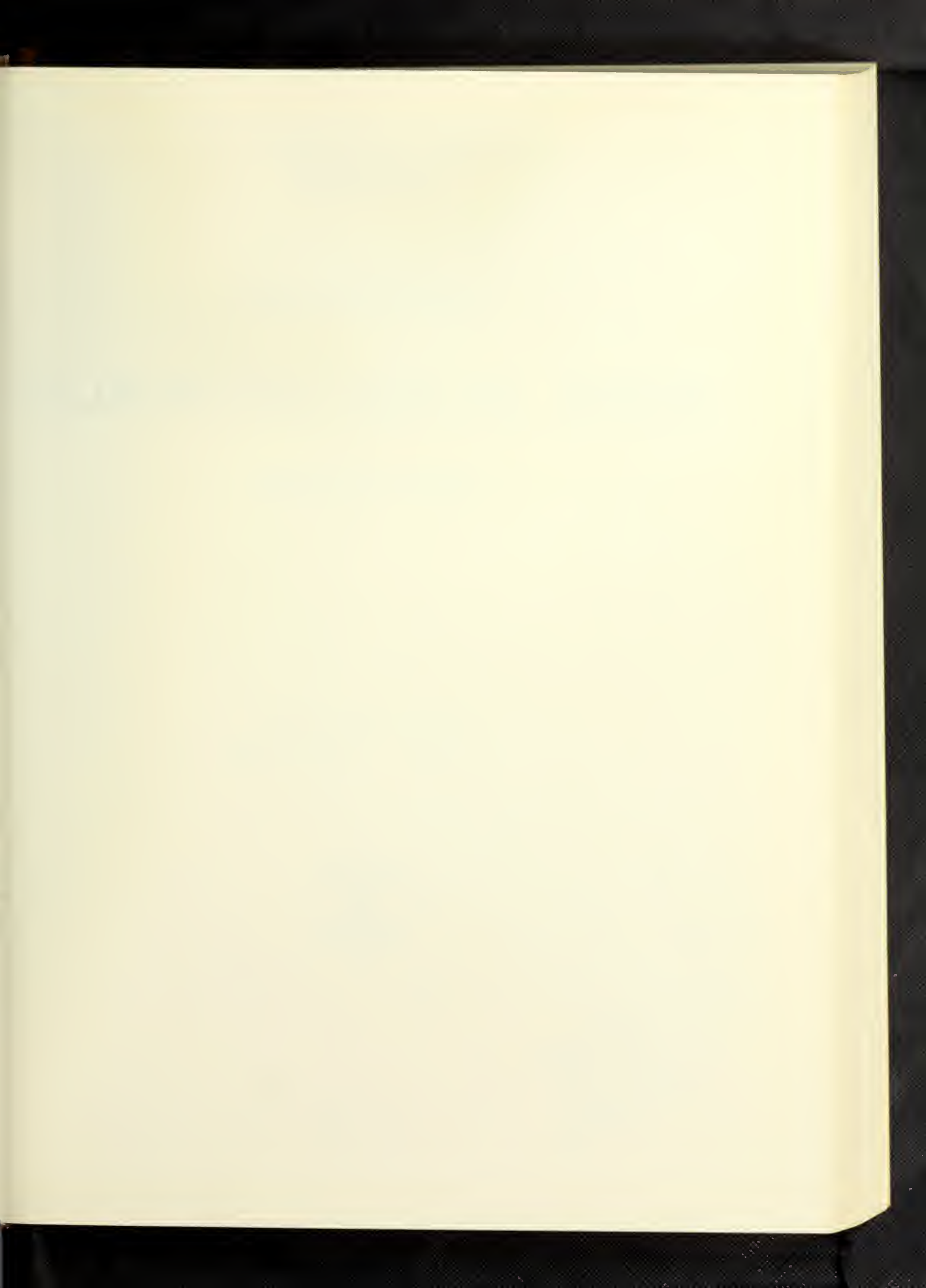
Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania or to any Weather Bureau Office near you.

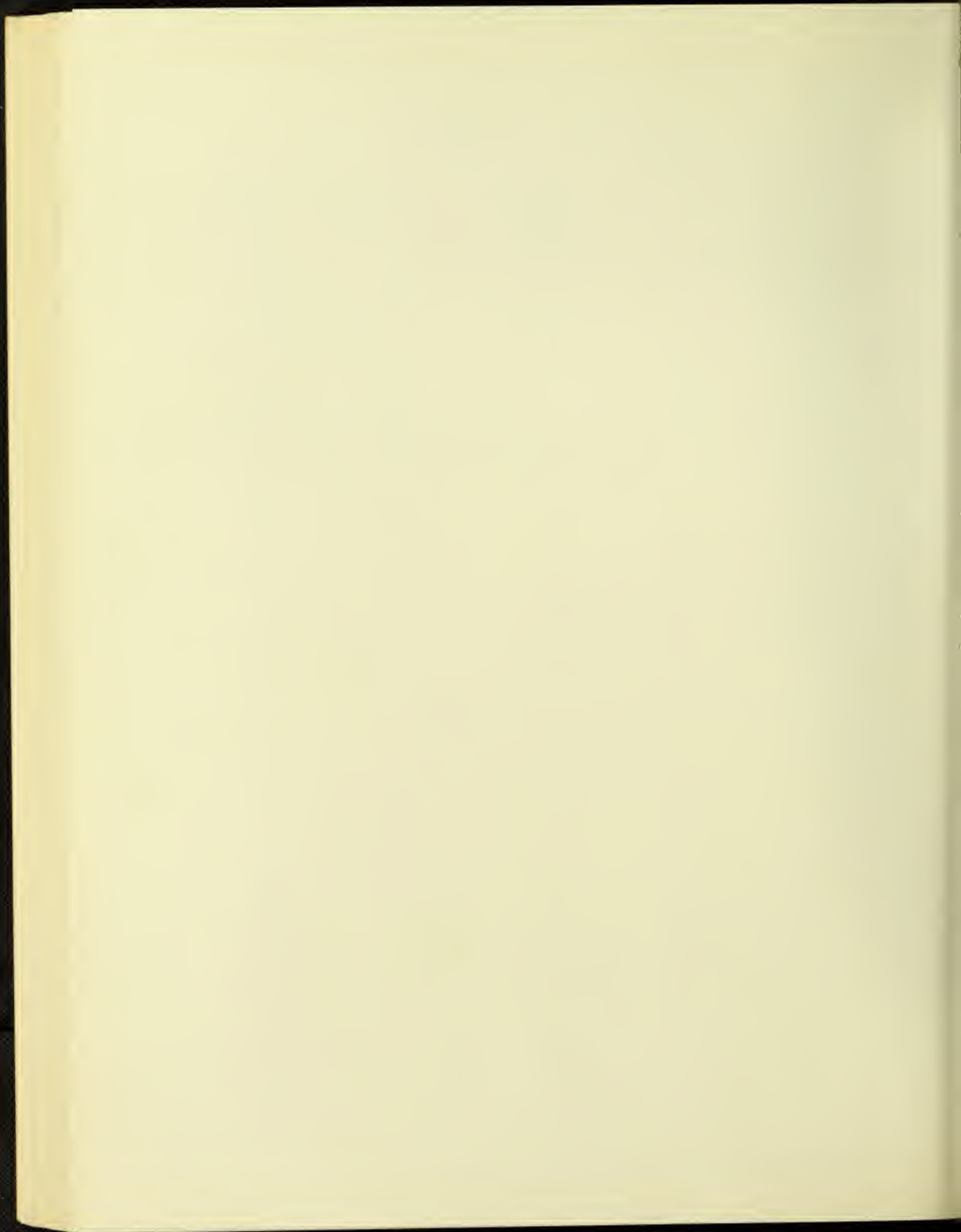
- Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles.
Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.
Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.
Climatological divisions, outlined on the maps in this bulletin became effective with data for September 1956.
Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.
Delayed data and corrections will be carried in the June and December issues of Climatological Data.
- No record.
\* Also on earlier date (dates) or months.
# Amount included in following measurement.
# Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
# Adjusted to a full month.
C Data for recorder stations denoted by "C" in the "Refer to tables" column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder - only stations may be found in the annual issue of "Hourly Precipitation Data".
E Amount is wholly or partially estimated.
G In the "Refer to tables" column of the Station Index the letter "G" indicates that soil temperatures are published.
# One or more days record missing: if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
T Trace, an amount too small to measure.
V Includes total for previous month. V in annual column means total is for a two-year period.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks, and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 3/8/61 --- 1200







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INP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JANUARY 1961  
Volume 66      No. 1



ASHEVILLE: 1961

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PENNSYLVANIA - JANUARY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 59° on the 7th at Norristown  
Lowest Temperature: -32° on the 22nd at Mercer 2 NNE  
Greatest Total Precipitation: 5.56 inches at Johnstown  
Least Total Precipitation: 0.56 inch at Greenville  
Greatest One-Day Precipitation: 1.73 inches on the 20th at Long Pond  
2 W  
Greatest Reported Total Snowfall: 47.0 inches at Somerset Fairview St  
Greatest Reported Depth of Snow on Ground: 31 inches on the 20th at  
Paupack 2 WNW

SPECIAL WEATHER SUMMARY

Weatherwise, January was very similar to the previous month - temperatures and precipitation for the most part continued below normal while snowfall set new records in many areas.

Temperatures averaged 5 to 10° below normal for the coldest month in many years although the first 18 days were relatively mild with temperatures averaging up to 4 degrees above normal. Southerly breezes on the 7th pushed the mercury into the 50's most places for the highest readings of the month. On the 19th and 20th however, the weather picture changed radically as cold arctic air invaded the state on the heels of a severe snowstorm. By the morning of the 21st many temperatures had dropped below zero. Philadelphia reported a record low of minus 4° for the coldest temperature there since February 1934 and the first sub-zero reading since 1936. The story was much the same throughout the state the remainder of the month as the cold spell held Pennsylvania firmly in its grip. During the last 13 days temperatures remained below freezing with minimum readings in some areas below zero for 11 consecutive night. Many old records tumbled as new low temperatures were reported almost daily particularly from the 21st through the 26th. Although the cold spell had not ended with the close of the month, it had already equaled or set new records for such a long frigid siege in many areas. Philadelphia reported the longest such period since January 1893.

Numerous and frequent snowfalls kept the ground snow covered throughout the month over most of the state. Many areas received as much or more

snow this month as is normally received during an entire winter season. Amounts totaled 16 to 24 inches over the major portion of the state; however, some sections such as the Lower Susquehanna Valley and part of Somerset, Westmoreland and McKean Counties received from 2 to 4 feet of snow. For most of the southern and eastern sections, it was the snowiest January of record. The 34 inches recorded at Harrisburg set a new all-time monthly record while the seasonal accumulation thus far reached 56.1 inches exceeding the old record by 3 inches set in 1892-1893.

Although many harassing snowfalls occurred, the snowstorm on the 19th and 20th dealt a staggering blow to southern and eastern cities and towns, many of which were nearly marooned by the 8 to 20 inches of new snow. The Lower Susquehanna Valley bore the brunt of the storm in Pennsylvania where up to 19 inches of snow fell in about 30 hours. This was the greatest accumulation since the storm of January 15-16, 1945.

Strong gusty winds of 20 to 40 mph persisted for several days following the storm which resulted in extensive drifting with many drifts 3 to 50 feet deep.

Fuel consumption for heating dwelling and snow removal from streets and sidewalks ranked high among the problems that concerned most of the populace much of the time. The cost of these items ran well into the millions of dollars.

Nelson M. Kauffman  
Weather Bureau State Climatologist  
Harrisburg State Airport  
New Cumberland, Pennsylvania





CLIMATOLOGICAL DATA

PENNSYLVANIA  
JANUARY 1961

CONTINUED

Table with columns for Station, Temperature (Average Maximum, Average Minimum, Average, Departure from Long Term Means, Highest, Date, Lowest, Date, Degrees Days, No of Days Max, No of Days Min), and Precipitation (Total, Descriptive From Long Term Means, Greatest Day, Date, Snow/Sleet Total, Max Depth on Ground, Date, 10 or More, 50 or More, DD, More).

See Reference Notes Following Station Index





# DAILY PRECIPITATION

PENNSYLVANIA  
JANUARY 1961

Continued

| Station                | Total | Day of Month |     |   |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|------------------------|-------|--------------|-----|---|-----|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|                        |       | 1            | 2   | 3 | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |
| WILLIAMSBURG           | 3.88  | .62          |     |   |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| WILLIAMSPORT WB AP     | 2.33  | 1.12         | T   | T | .01 | T | T |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| WILKESBORO             | 2.41  | .73          | T   | T | .04 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| WYOMING 3 SSW PUMP STA | 2.85  | .77          |     | T | .02 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| WYOMING HAVEN          | 2.56  | .92          |     | T |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| YON GROVE              | 2.00  | .65          | .27 |   |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| YONKERSVILLE 3 SE      | 1.93  | .74          | .15 | T | T   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

# SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
|                         |                |                                 |                     |              |                           |                      |                                    |            |            |            |                                   |       |       |       |         |              |                              |                                     |       |
| ALLENTOWN WB AIRPORT    | WSW            | 19                              | 10.9                | 46++         | WNW                       | 1                    | 74                                 | 75         | 62         | 70         | 8                                 | 3     | 2     | 1     | 2       | 0            | 16                           | -                                   | 5.5   |
| ARIE WB AIRPORT         | SW             | 19                              | 13.2                | 32++         | WSW                       | 7                    | 77                                 | 77         | 70         | 73         | 10                                | 12    | 3     | 0     | 0       | 0            | 25                           | -                                   | 8.3   |
| CARRISBURG WB AIRPORT   | W              | 23                              | 7.5                 | 33           | NW                        | 24                   | 67                                 | 71         | 55         | 61         | 6                                 | 4     | 2     | 2     | 1       | 0            | 15                           | 61                                  | 6.0   |
| PHILADELPHIA WB AIRPORT | WNW            | 18                              | 10.0                | 35           | N                         | 20                   | 71                                 | 74         | 59         | 65         | 4                                 | 2     | 2     | 2     | 1       | 0            | 11                           | 68                                  | 5.9   |
| PITTSBURGH WB AIRPORT 2 | WSW            | 21                              | 10.8                | 38++         | NNW                       | 24                   | 74                                 | 76         | 67         | 69         | 6                                 | 12    | 4     | 1     | 0       | 0            | 23                           | 54                                  | 7.5   |
| READING WB CITY         | -              | -                               | 10.3                | 49           | E                         | 1                    | -                                  | -          | -          | -          | 5                                 | 2     | 2     | 2     | 1       | 0            | 12                           | 62                                  | 6.0   |
| FRANTON WB AIRPORT      | SW             | 19                              | 9.2                 | 26           | NW                        | 8                    | 87                                 | 72         | 58         | 61         | 11                                | 4     | 3     | 1     | 0       | 0            | 19                           | 64                                  | 6.2   |
| WILLIAMSPORT WB AIRPORT | -              | -                               | -                   | -            | -                         | -                    | -                                  | 78         | 57         | 85         | 12                                | 2     | 5     | 0     | 1       | 0            | 20                           | -                                   | 6.4   |

# DAILY SOIL TEMPERATURES

| Station And Depth                  | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |      |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |      |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 35           | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 35 | 34 | 34 | 34   | 34      | 34.6 |
|                                    | MIN  | 34           | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34   | 34      | 34.3 |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 30           | 30 | 30 | 30 | 27 | 28 | 28 | 30 | 28 | 28 | 28 | 30 | 30 | 30 | 30 | 32 | 31 | 32 | 29 | 25 | 22 | 21 | 23 | 20 | 18 | 23 | 23 | 21 | 22 | 21 | 26.8 |         |      |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.



Continued

DAILY TEMPERATURES

PENNSYLVANIA JANUARY 1961

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various stations like FORO CITY 4 S OAM, FRANKLIN, FREELAND, etc., with their respective temperature data for each day.

See Reference Notes Following Station Index

DAILY TEMPERATURES

PENNSYLVANIA JANUARY 1961

Continued

Table with columns for Station, Day Of Month (1-31), MAX, MIN, and Average. Rows list various Pennsylvania locations like NEW STANTON, NORRISTOWN, PALMERTON, etc., with their respective temperature ranges.

See Reference Notes Following Station Index





CONTINUED

SNOWFALL AND SNOW ON GROUND

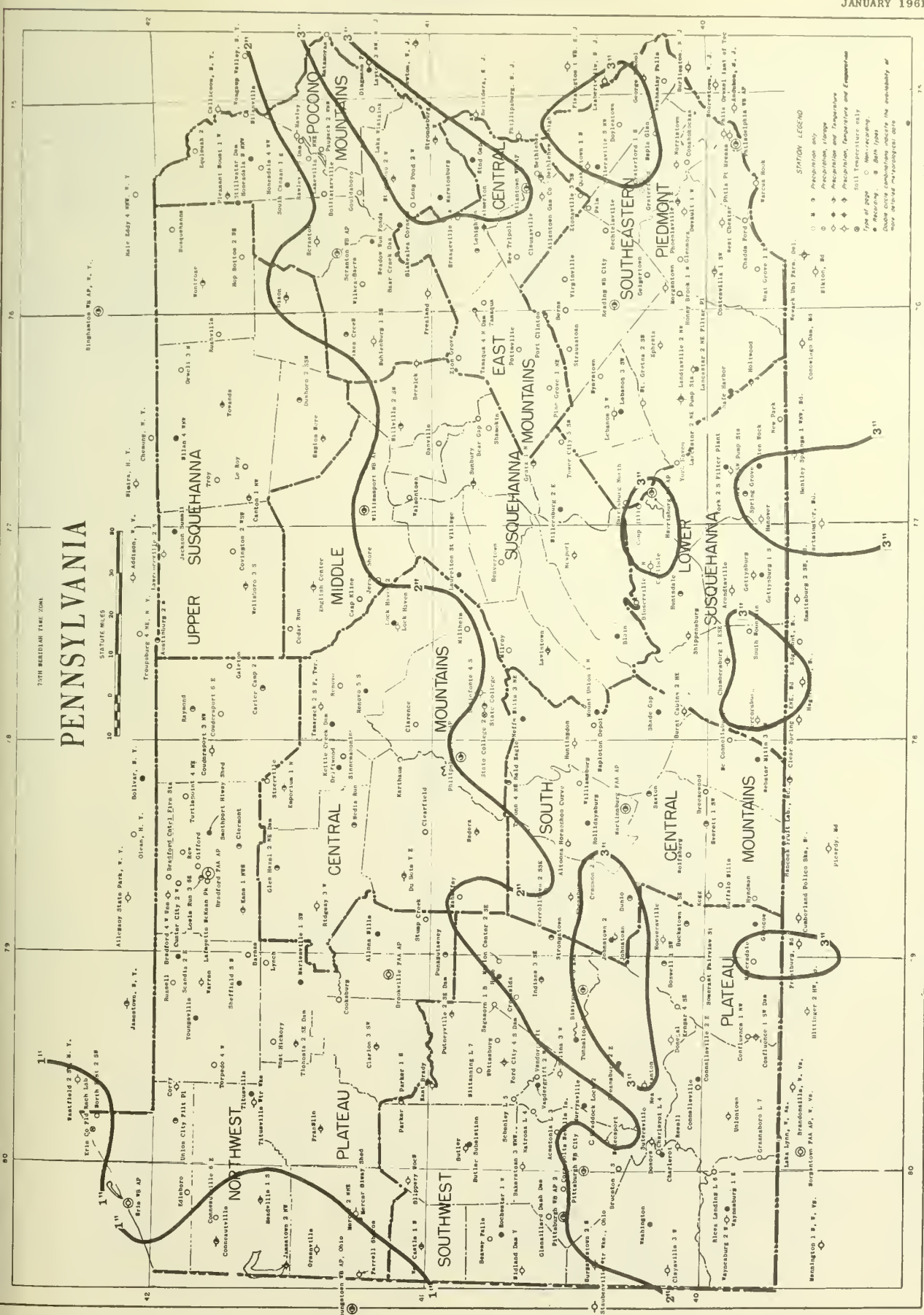
PENNSYLVANIA  
JANUARY 1961

| Station                 |           | Day of month |     |     |     |     |     |     |     |     |     |    |    |    |    |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------|-----------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                         |           | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15  | 16  | 17  | 18  | 19  | 20   | 21   | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |     |     |
| SHIPPENSBURG            | SNOWFALL  | 1.0          |     | T   | T   |     |     |     | T   |     |     |    |    |    |    | 1.0 | 4.0 |     |     | 7.0 | 11.0 | T    |     |     |     |     |     |     |     |     |     |     | T   |     |
|                         | SN ON GND | 6            | 6   | 6   | 6   | 5   | 3   | 3   | T   | T   | T   | T  | T  | T  | T  | 1   | 2   | 2   | T   | 7   | 18   | 18   | 18  |     | 1.0 | 1.0 |     | 2.0 | 2.0 |     |     |     | T   |     |
| SLIPPERY ROCK           | SNOWFALL  | 6.0          | T   |     | 1.0 |     |     |     | T   | T   |     |    |    |    |    |     |     |     |     | 1.0 | 3.0  |      | T   | T   |     |     |     |     |     |     |     | T   | 1.0 |     |
|                         | SN ON GND | 12           | 12  | 12  | 13  | 13  | 10  | 2   | T   | T   | 2   | 2  | 2  | 1  | 1  | T   | T   | T   |     | 1   | 4    | 4    | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 4   | 4   |
| TAMARACK 2 S FIRE TOWER | SNOWFALL  | 8.0          |     | T   | T   |     |     |     | T   |     |     |    |    |    |    |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|                         | SN ON GND | 15           | 15  | 13  | 13  | 13  | 13  | 13  | 11  | 11  | 11  | 10 | 10 | 9  | 9  | 9   | 9   | 1.8 | 1.0 |     | T    | 5.0  |     |     |     | 1.0 |     |     |     |     |     |     |     |     |
| TIONESTA 2 SE DAM       | SNOWFALL  | 10.0         | T   | .5  | 1.0 | T   | .5  |     | T   | 1.0 |     |    |    |    |    |     |     |     |     | T   | T    | 1.5  | T   | 1.0 | .5  | 1.5 | T   |     | 2.5 | .1  | T   | 1.5 | T   |     |
|                         | SN ON GND | 16           | 16  | 15  | 14  | 14  | 12  | 8   | 6   | 7   | 7   | 6  | 6  | 6  | 6  | 5   | 5   | 5   | 5   | 4   | 6    | 6    | 6   | 7   | 7   | 9   | 8   | 8   | 8   | 11  | 11  | 11  | 11  | 11  |
| TOWER CITY 5 SW         | SNOWFALL  | 3.0          |     |     | 1.0 |     |     | T   |     |     |     |    |    |    |    |     |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |     |
|                         | SN ON GND | -            | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -  | -   | -   | 8.0 | -   | -   | 4.0  | 16.0 | -   | -   | -   | 1.0 | -   | 2.5 | 2.0 | -   | -   | -   | -   | -   |
| WILLIAMSPORT WB AIRPORT | SNOWFALL  | 7.0          | T   | T   | .3  | T   | T   |     | T   | T   |     |    |    |    |    | 2.6 | .2  |     |     | 4.8 | 1.3  | T    | T   | T   | 1.6 |     |     |     |     |     |     |     |     | T   |
|                         | SN ON GND | 8            | 10  | 9   | 7   | 7   | 7   | 6   | 5   | 5   | 5   | 5  | 5  | 4  | 4  | 3   | 6   | 4   | 3   | 3   | 9    | 8    | 8   | 8   | 8   | 9   | 8   | 8   | 11  | 11  | 11  | 11  | 10  | 9   |
|                         | WTR EQUIV | 1.2          | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .9 | .8 | .7 | .7 | .6  | .9  | .9  | .7  | .6  | 1.2  | 1.2  | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.2 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 |

See reference notes following Station Index.

# TOTAL PRECIPITATION

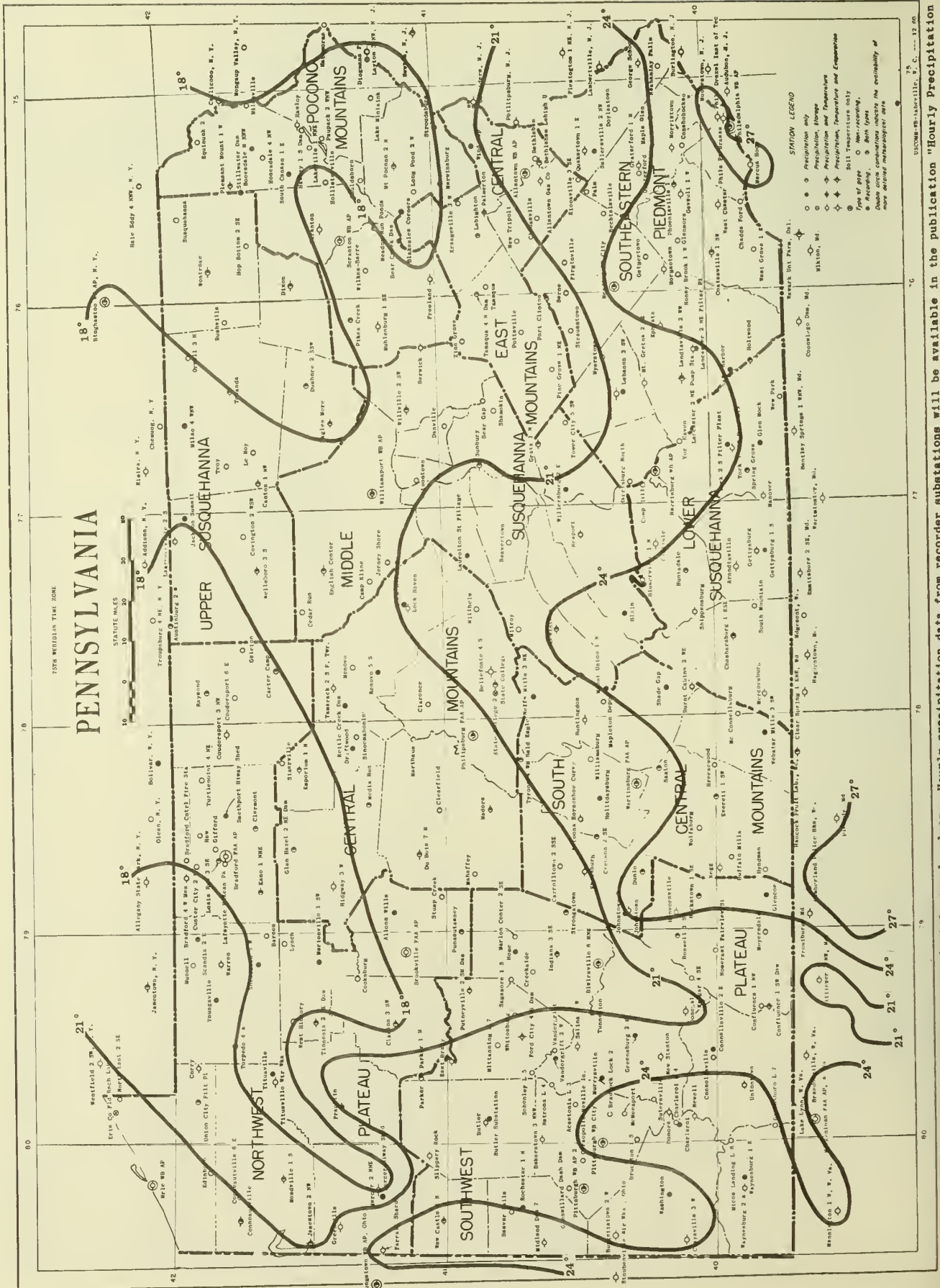
PENNSYLVANIA  
JANUARY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JANUARY 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





51.05  
NP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

FEBRUARY 1961  
Volume 66      No. 2



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PENNSYLVANIA - FEBRUARY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 72° on the 25+ at 3 stations

Lowest Temperature: -35° on the 2nd at DuBois 7 E and Ridgway 3 W

Greatest Total Precipitation: 6.63 inches at Williamsburg

Least Total Precipitation: 1.74 inches at Landisville 2 NW

Greatest One Day Precipitation: 2.41 inches on the 26th at Williamsburg

Greatest Reported Total Snowfall: 46.5 inches at Somerset Fairview St

Greatest Reported Depth of Snow on Ground: 49 inches on the 5th at  
Lakeville 1 NNE

SPECIAL WEATHER SUMMARY

By February 10th after nearly 2 months of almost continuously below normal temperatures, the unusually cold weather came to a close. Before doing so however, many new daily temperature records were established especially during the prolonged 16 day cold spell that ended on the 4th when temperatures at some stations rose above freezing for the first time in more than 2 weeks. In mountain and northern sections sub zero readings were reported on as many as 15 consecutive days.

Some of the coldest weather of the season occurred during the first 3 days of February. On the 2nd, temperatures averaged 20 to 30 degrees below normal as minima dipped below zero in all sections. Northern areas experienced one of the coldest nights of the century as the mercury skidded to 20 degrees below zero and lower. Ridgway and DuBois reported minus 35 degrees. Unofficially, the lowest temperature in the state occurred at St. Marys in Elk County where a low of minus 40 degrees was reported. Some relief from the cold was in evidence on the 4th as temperatures climbed above freezing. By the 10th the weather picture took on a more spring-like appearance as temperatures climbed above normal levels where they remained through the balance of the month. In eastern sections even night-time lows

remained above freezing. Under these moderating conditions, the snow cover melted rather rapidly and by the 19th and 20th ice on the rivers and streams broke up and began to move out.

The snowstorm of the 3rd and 4th brought near blizzard conditions to all except extreme western areas of the Commonwealth. Snowfall totaled from 5 inches in the northwest to over 2 feet in parts of the Upper Susquehanna Valley. Amounts over the major portion of the state totaled from 12 to 18 inches. Winds of 20 to 50 mph accompanying the storm piled the snow into drifts up to 10 feet high. Transportation facilities were nearly paralyzed as airports and all except major highways were closed. Some secondary roads remained closed for nearly a week with the result that schools were closed for a similar period of time in number of areas. A total of 15 deaths resulted from over-exertion while shoveling the snow. Money-wise, the greatest expense of the storm was for snow removal.

Nelson M. Kauffman  
Weather Bureau State Climatologist  
Weather Bureau Airport Station  
Harrisburg State Airport  
New Cumberland, Pennsylvania







# DAILY PRECIPITATION

PENNSYLVANIA  
FEBRUARY 1961

| Station | Total | Day of Month     |      |     |   |     |   |   |   |   |     |     |    |     |    |     |    |     |     |     |     |    |    |     |    |     |    |    |    |    |    |    |  |  |  |
|---------|-------|------------------|------|-----|---|-----|---|---|---|---|-----|-----|----|-----|----|-----|----|-----|-----|-----|-----|----|----|-----|----|-----|----|----|----|----|----|----|--|--|--|
|         |       | 1                | 2    | 3   | 4 | 5   | 6 | 7 | 8 | 9 | 10  | 11  | 12 | 13  | 14 | 15  | 16 | 17  | 18  | 19  | 20  | 21 | 22 | 23  | 24 | 25  | 26 | 27 | 28 | 29 | 30 | 31 |  |  |  |
|         |       | UNIONTOWN LOCK 3 | 3.44 | .07 | T | .93 | T |   |   |   | .14 | .32 | T  | .15 | T  | .02 | T  | .16 | .04 | .23 | .18 |    |    | .34 |    | .92 | T  |    |    |    |    |    |  |  |  |

See reference notes following Station Index.



# DAILY PRECIPITATION

PENNSYLVANIA  
FEBRUARY 1961

continued

| Station       | Total | Day of Month |     |      |      |   |   |   |     |   |    |     |     |     |    |     |     |     |     |     |    |    |     |     |     |     |     |    |    |    |    |     |  |
|---------------|-------|--------------|-----|------|------|---|---|---|-----|---|----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|----|----|----|-----|--|
|               |       | 1            | 2   | 3    | 4    | 5 | 6 | 7 | 8   | 9 | 10 | 11  | 12  | 13  | 14 | 15  | 16  | 17  | 18  | 19  | 20 | 21 | 22  | 23  | 24  | 25  | 26  | 27 | 28 | 29 | 30 | 31  |  |
| RAVEN         | 2.58  |              |     |      |      |   |   |   |     |   |    |     |     |     |    |     |     |     |     |     |    |    |     |     |     |     |     |    |    |    |    |     |  |
| ON GROVE      | 2.48  |              |     | 1.10 | 1.90 |   |   |   | .12 |   |    | .01 | .12 | .12 |    | .04 | .12 | .12 | .09 | .09 |    |    | .02 | .17 | .02 |     | .68 |    |    |    |    | .90 |  |
| UNSVILLE 3 SE | .4    |              | .81 |      |      |   |   |   |     |   |    |     | .09 |     |    |     | .24 |     | .03 | .41 |    |    |     |     | .01 | .03 | .70 |    |    |    |    |     |  |

# DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time            | Day of month |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |      | Average |
|-------------------------|-----------------|--------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|------|---------|
|                         |                 | 1            | 2   | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28   | 29   | 30   |         |
| ERIE CO FIELD RSCH LAB  | 8 INCHES        | MAX          | 35  | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 34 | 33 | 33 | 33 | 33 | 32 | 37 | 39 | 36 | 36 | 36 | 36 | 41 | 44 | 44 | 38 | 36   | 36   |      | 35.5    |
|                         | MIN             | 34           | 34  | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 36 | 36 | 35 | 33 | 37 | 40 | 38 | 36 | 36 | 35   |      | 34.1 |         |
| LANDISVILLE 2 NW        | 2 INCHES        | 8 AM         | 22  | 16 | 19 | 24 | 24 | 20 | 19 | 24 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 32 | 31 | 32 | 31 | 32 | 32 | 31 | 32   |      | 27.9 |         |
|                         | STATE COLLEGE 2 | 2 INCHES     | MAX | 27 | 25 | 25 | 27 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 36 | 45 | 43 | 38   | 44   | 35   | 31.5    |
| MIN                     | 26              | 21           | 22  | 25 | 27 | 28 | 28 | 29 | 29 | 29 | 29 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 30 | 30 | 31 | 31 | 38 | 33 | 31   | 33   | 29.3 |         |
| 4 INCHES                | MAX             | 27           | 25  | 25 | 27 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 33 | 42 | 41 | 37 | 41   | 36   | 31.2 |         |
| MIN                     | 26              | 22           | 22  | 25 | 27 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 36 | 34 | 32   | 34   | 29.3 |         |
| 8 INCHES                | MAX             | 28           | 27  | 26 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 36 | 39 | 38 | 38   | 37   | 31.1 |         |
| MIN                     | 27              | 25           | 25  | 26 | 28 | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 30 | 31 | 30 | 31 | 31 | 31 | 36 | 35 | 33   | 35   | 30.0 |         |
| 12 INCHES               | MAX             | 29           | 29  | 28 | 29 | 29 | 29 | 30 | 30 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 31 | 32 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 34 | 37 | 37 | 36   | 36   | 31.5 |         |
| MIN                     | 29              | 28           | 28  | 28 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 34 | 36 | 34 | 35   | 30.8 |      |         |
| 16 INCHES               | MAX             | 30           | 30  | 30 | 30 | 30 | 31 | 31 | 32 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 36 | 36 | 36 | 36   | 32.2 |      |         |
| MIN                     | 29              | 29           | 29  | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 34 | 36 | 35 | 36 | 31.5 |      |      |         |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# SUPPLEMENTAL DATA

| Station              | Wind direction |                                 | Wind speed |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Total | Percent of possible sunshine | Average sky cover |
|----------------------|----------------|---------------------------------|------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|-------|------------------------------|-------------------|
|                      | Prevailing     | Percent of time from prevailing | Average    | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |       |                              |                   |
| LENTOWN WB AIRPORT   | NE             | 14                              | 9.5        | 36++         | S                         | 25                   | 82                                 | 80         | 68         | 73         | 5                                 | 4     | 4     | 3     | 0       | 0            | 16    |                              | 7.1               |
| E WB AIRPORT         | NE             | 15                              | 11.2       | 35++         | WSW                       | 19+                  | 84                                 | 85         | 75         | 80         | 7                                 | 6     | 5     | 1     | 1       | 0            | 20    |                              | 8.0               |
| CRISBURG WB AIRPORT  | WNW            | 14                              | 6.8        | 37           | NW                        | 26                   | 76                                 | 77         | 64         | 67         | 5                                 | 8     | 2     | 3     | 0       | 0            | 18    | 40                           | 8.0               |
| LADELPHIA WB AIRPORT | N              | 12                              | 8.9        | 38           | NW                        | 26                   | 72                                 | 74         | 65         | 68         | 6                                 | 5     | 6     | 0     | 1       | 0            | 18    | 36                           | 8.1               |
| TSBURGH WB AIRPORT 2 | ENE            | 10                              | 9.3        | 37++         | SSW                       | 25                   | 77                                 | 81         | 70         | 72         | 5                                 | 5     | 5     | 3     | 0       | 0            | 18    | 29                           | 8.8               |
| NDING WB CITY        | -              | -                               | 10.0       | 50           | E                         | 3                    | -                                  | -          | -          | -          | 4                                 | 6     | 3     | 1     | 1       | 0            | 15    | 49                           | 7.7               |
| ANTON WB AIRPORT     | SW             | 11                              | 8.8        | 38           | W                         | 26                   | 77                                 | 79         | 64         | 66         | 10                                | 6     | 3     | 0     | 1       | 0            | 20    | 54                           | 7.1               |
| LIAMSPORT WB AIRPORT | -              | -                               | -          | -            | -                         | -                    | -                                  | 78         | 63         | 71         | 4                                 | 7     | 3     | 3     | 0       | 0            | 17    | -                            | 7.0               |

See reference notes following Station Index











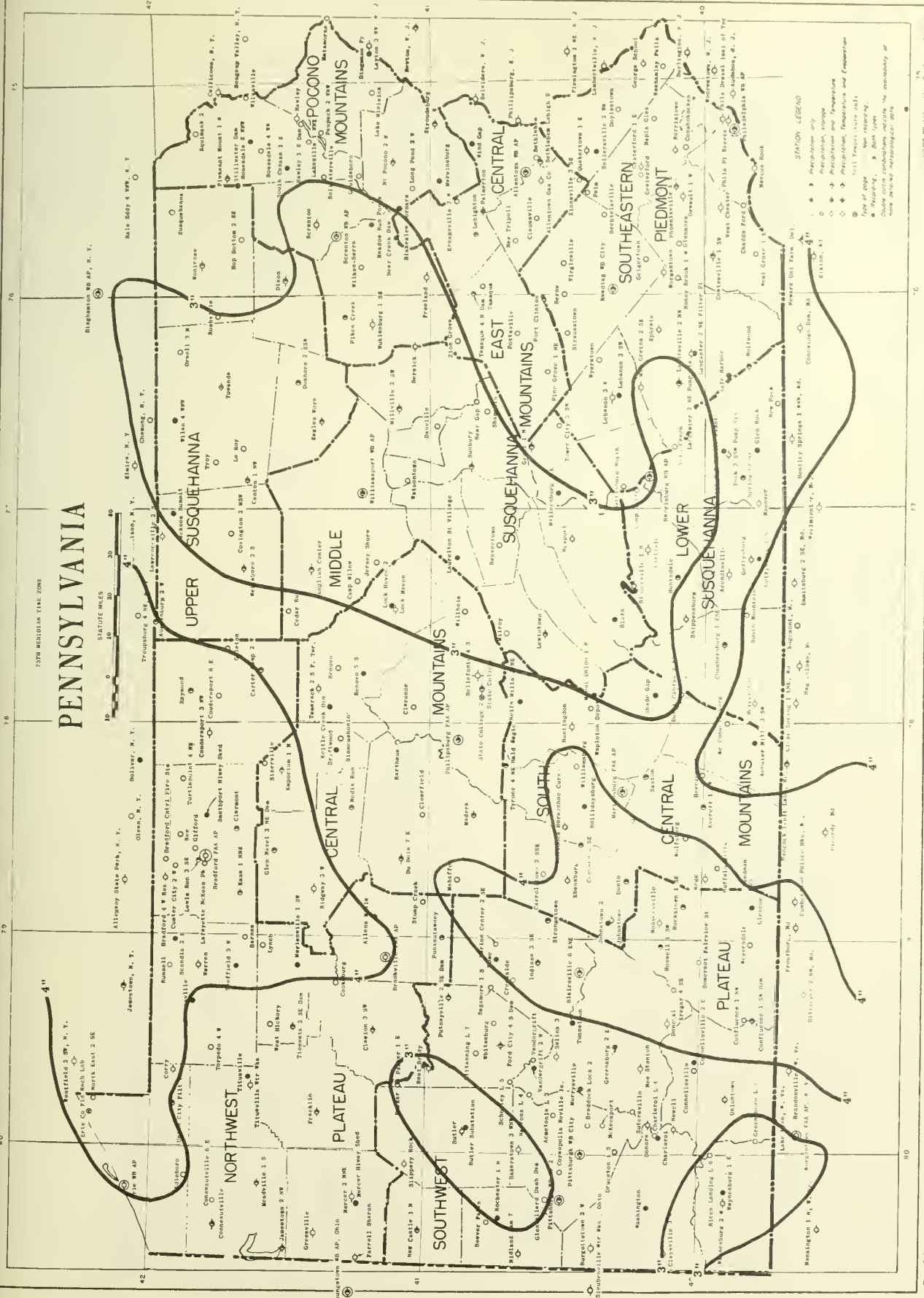
SNOWFALL AND SNOW ON GROUND

| Station                 | Day of month |     |     |      |      |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |    |    |    |    |
|-------------------------|--------------|-----|-----|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|----|----|----|----|
|                         | 1            | 2   | 3   | 4    | 5    | 6   | 7   | 8   | 9   | 10   | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24 | 25 | 26 | 27  | 28 | 29 | 30 | 31 |
| SCRANTON WB AIRPORT     | SNOWFALL     | T   | T   | 2.0  | 12.5 | T   |     | T   |     |      | .1  | T   | .1  | T   | 1.2 | T   |     |     |     |     |     |     |     |    |    |    |     |    |    |    |    |
|                         | SN ON GND    | 12  | 12  | 12   | 21   | 25  | 24  | 23  | 23  | 23   | 20  | 19  | 19  | 19  | 18  | 17  | 16  | 14  | 13  | 9   | 6   | 5   | 3   | 1  | 1  | T  | .6  |    |    |    | .4 |
| SHIPPENSBURG            | WTR EQUIV    | 1.2 | 1.2 | 1.2  | 1.9  | 2.3 | 2.2 | 2.2 | 2.2 | 2.2  | 2.1 | 2.1 | 2.1 | 2.1 | 1.9 | 1.9 | 1.9 | 2.0 | 2.1 | 1.6 | 1.2 | .8  |     |    |    |    |     |    |    |    |    |
|                         | SNOWFALL     | 1.0 |     | 5.0  | 6.0  |     |     |     |     | 11.0 | 1.0 |     | .5  | 2.0 | T   | 17  | 14  | 11  | 9   | 8   | 6   | 3   | 1   | T  | T  | T  | T   | T  | T  | T  |    |
| SLIPPERY ROCK           | SN ON GND    | 9   | 8   | 13   | 17   | 16  | 16  | 14  | 22  | 18   | 17  | 16  | 18  | 17  | 14  | 11  | 9   | 8   | 6   | 3   | 1   | T   | T   | T  | T  | T  | T   | T  | T  | T  |    |
|                         | SNOWFALL     | 2.0 |     | .5   | 19.0 | T   |     |     |     |      |     | T   | 4.0 |     |     |     |     |     |     |     |     |     |     |    |    |    |     |    |    |    |    |
| TIONESTA 2 SE DAM       | SN ON GND    | 6   | 6   | 6    | 14   | 14  | 14  | 12  | 10  | 8    | 8   | 8   | 11  | 11  | 8   | 4   | 3   | 2   | T   | T   |     |     |     |    |    |    |     |    |    |    |    |
|                         | SNOWFALL     | 13  | 11  | 11   | 30   | 30  | 25  | 18  | 17  | 16   | 16  | 15  | 16  | 15  | 13  | 12  | 11  | 10  | 8   | 5   | 4   | 4   | 3   | 1  | T  | T  | 4.0 | 4  | 4  | T  |    |
| TOWANDA                 | SN ON GND    | 10  | 10  | 11   | 24   | 29  | 22  | 22  | 22  | 22   | 20  | 20  | 19  | 14  | 13  | 12  | 10  | 9   | 8   | 7   | 2   | 2   | 2   | T  | T  | T  | T   |    |    |    |    |
|                         | SNOWFALL     | T   |     | 14.0 | 5.0  |     |     |     |     |      |     | .5  | T   | .2  |     |     |     |     |     |     |     |     |     |    |    |    |     |    |    |    |    |
| TOWER CITY 5 SW         | SN ON GND    | -   | -   | 4.0  | 11.0 | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -   | -  | -  | -  | -  |
|                         | SNOWFALL     | -   | -   | -    | -    | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  | -  | -   | -  | -  | -  | -  |
| WILLIAMSPORT WB AIRPORT | SNOWFALL     | T   |     | 7.6  | 7.2  |     |     |     |     | T    | T   | 2.9 | T   |     | .2  | 1.3 | T   |     |     |     |     |     |     |    |    |    |     |    |    |    |    |
|                         | SN ON GND    | 8   | 8   | 8    | 21   | 19  | 18  | 17  | 16  | 16   | 14  | 12  | 13  | 13  | 12  | 10  | 9   | 8   | 7   | 5   | 3   | 3   | 2   | 1  | T  | T  | T   | T  | T  | T  | .4 |
|                         | WTR EQUIV    | 1.2 | 1.2 | 1.2  | 2.6  | 2.7 | 2.7 | 2.6 | 2.6 | 2.6  | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.5 | 2.3 | 2.2 | 2.1 | 1.7 | 1.5 | 1.3 |    |    |    |     |    |    |    |    |

See reference notes following Station Index.

# TOTAL PRECIPITATION

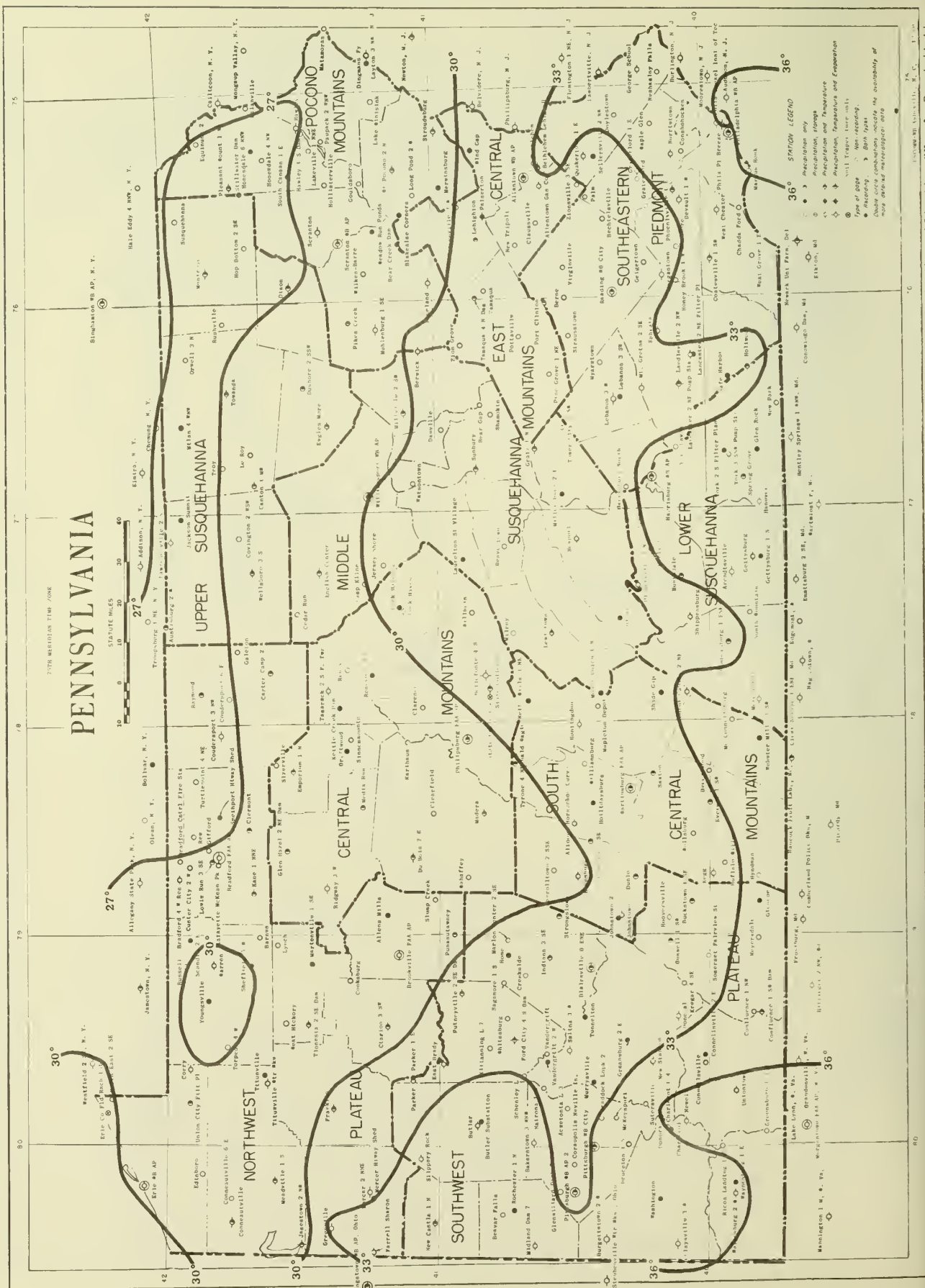
PENNSYLVANIA  
FEBRUARY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
FEBRUARY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. Lists various weather stations across Pennsylvania with their respective details.

1-ALLEGHENY; 2-BEAVER; 3-... 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHEGONY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table, "Daily Temperature" Table, and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following: C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.

G "Soil Temperature" Table. R "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month. J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry. Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

O Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made very near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual: \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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LNP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

MARCH 1961

Volume 66 No. 3



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ASHEVILLE: 1961

PENNSYLVANIA - MARCH 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 79° on the 29+ at 3 stations

Lowest Temperature: -1° on the 17th at Titusville Water Works

Greatest Total Precipitation: 6.50 inches at Newell

Least Total Precipitation: 1.70 inches at Clearfield

Greatest One-Day Precipitation: 1.58 inches on the 9th at Lake  
Minisink

Greatest Reported Total Snowfall: 19.5 inches at Pleasant Mount 1 W

Greatest Reported Depth of Snow on Ground: 10 inches on the 25+ at  
Pleasant Mount, and on the  
2nd+ at Sizerville.

PREPARATION AND PUBLICATION OF THIS BULLETIN

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are checked for accuracy and completeness and placed on punch cards. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state can not be checked by machine until nearly all of them for that state have been received. Printing can not be done until all tables and the text for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.





# CLIMATOLOGICAL DATA

PENNSYLVANIA  
MARCH 1961

CONTINUED

| Station                        | Temperature        |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       | Precipitation                        |              |      |             |                        |      |   |   |   |   |
|--------------------------------|--------------------|--------------------|---------|--------------------------------------|---------|------|--------|------|-------------|-----------------|-----------------|-----------------|----------------|-------|--------------------------------------|--------------|------|-------------|------------------------|------|---|---|---|---|
|                                | Average<br>Maximum | Average<br>Minimum | Average | Departure<br>From Long<br>Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days     |                 |                 |                | Total | Departure<br>From Long<br>Term Means | Greatest Day | Date | Snow, Sleet |                        |      | No. of Days                             |   |   |   |
|                                |                    |                    |         |                                      |         |      |        |      |             | Max             |                 | Min.            |                |       |                                      |              |      | Total       | Max Depth<br>on Ground | Date | 10 or More<br>50 or More<br>100 or More | 10 or More<br>50 or More<br>100 or More | 10 or More<br>50 or More<br>100 or More |   |
|                                |                    |                    |         |                                      |         |      |        |      |             | 90° or<br>Above | 32° or<br>Above | 32° or<br>Below | 0° or<br>Below |       |                                      |              |      |             |                        |      |   |   |   |   |
| <b>CENTRAL MOUNTAINS</b>       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| BELLEFONTE 4 S                 | 47.6               | 27.2               | 37.4    |                                      | 72      | 6    | 10     | 17   | 849         | 0               | 1               | 25              | 0              |       |                                      |              |      |             |                        |      |   |   |   |   |
| OU BOIS 7 E                    | 46.3               | 27.2               | 36.8    |                                      | 72      | 27   | 7      | 17+  | 866         | 0               | 3               | 25              | 0              | 3.34  |                                      | .65          | 4    | 7.5         | 3                      | 10+  | 10                                      | 2                                       | 0                                       |   |
| EMPORIUM 1 N                   | 43.0               | 24.7               | 33.9    |                                      | 70      | 28   | 7      | 18+  | 958         | 0               | 3               | 28              | 0              | 2.95  |                                      | .62          | 9    | 7.0         | 4                      | 10+  | 12                                      | 1                                       | 0                                       |   |
| LOCK HAVEN                     | 48.1               | 28.2               | 38.2    | -.4                                  | 73      | 28   | 13     | 18+  | 825         | 0               | 0               | 23              | 0              | 3.41  | -.47                                 | .72          | 9    | 5.5         | 2                      | 23+  | 11                                      | 1                                       | 0                                       |   |
| MAERA                          | 45.4               | 26.7               | 36.1    |                                      | 70      | 28+  | 10     | 18+  | 893         | 0               | 3               | 25              | 0              | 4.08  |                                      | .75          | 5    | 2.1         | 2                      | 9    | 10                                      | 3                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| PHILIPSBURG FAA AP             | 42.7               | 26.4               | 34.6    |                                      | 66      | 5    | 8      | 17   | 936         | 0               | 9               | 26              | 0              | 4.02  |                                      | .82          | 8    |             | 4                      | 24+  | 11                                      | 3                                       | 0                                       |   |
| RENOVO                         | 49.6               | 28.8               | 39.2    |                                      | 76      | 28   | 14     | 18+  | 791         | 0               | 0               | 21              | 0              | 3.11  | -.40                                 | .58          | 9    |             | 3                      | 9    | 10                                      | 1                                       | 0                                       |   |
| RIOGWAY 3 W                    | 47.5               | 26.6               | 37.1    | 3.9                                  | 72      | 27   | 4      | 17   | 859         | 0               | 2               | 22              | 0              |       |                                      |              |      | 6.0         | 4                      | 10+  |   |   |   |   |
| STATE COLLEGE                  | 46.2               | 29.4               | 37.8    | .6                                   | 71      | 6    | 12     | 18+  | 836         | 0               | 2               | 21              | 0              | 3.36  | -.55                                 | .59          | 9    | 9.9         | 3                      | 22+  | 9                                       | 2                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 36.8    | 1.6                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| <b>SOUTH CENTRAL MOUNTAINS</b> |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| ALTOONA HORSESHOE CURVE        | 48.6               | 29.5               | 39.1    | 2.1                                  | 70      | 27+  | 10     | 17   | 798         | 0               | 1               | 23              | 0              | 4.67  | .19                                  | .59          | 8+   | 11.5        | 4                      | 23+  | 13                                      | 4                                       | 0                                       |   |
| BURNT CABINS 2 NE              | 53.3               | 30.7               | 42.0    |                                      | 72      | 28   | 11     | 11   | 707         | 0               | 0               | 21              | 0              | 5.05  |                                      | .75          | 19   | 5.0         |                        | 4    | 10+                                     | 12                                      | 5                                       | 0 |
| EBENSBURG                      | 45.8               | 26.7               | 36.3    | 1.4                                  | 72      | 27   | 6      | 17   | 883         | 0               | 2               | 25              | 0              | 4.22  | -.06                                 | .63          | 5    | 6.0         | 2                      | 23+  | 13                                      | 2                                       | 0                                       |   |
| EVERETT 1 SW                   | 48.8               | 30.2               | 39.5    |                                      | 74      | 28   | 15     | 17   | 768         | 0               | 2               | 20              | 0              | 4.43  |                                      |              |      | 4.5         |                        |      |   |   |   |   |
| HUNTINGOON                     | 49.6               | 29.0               | 39.3    | .9                                   | 74      | 6    | 13     | 19   | 788         | 0               | 1               | 20              | 0              |       |                                      | .99          | 5    | 4.5         | 2                      | 23   |   |   | 2                                       | 0 |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 39.4    | 1.4                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| <b>SOUTHWEST PLATEAU</b>       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| BAKERSTOWN 3 WNW               | 52.5               | 32.7               | 42.6    |                                      | 75      | 27   | 11     | 17   | 686         | 0               | 2               | 14              | 0              | 2.38  |                                      | .85          | 9    | 1.1         | 1                      | 9    | 5                                       | 2                                       | 0                                       |   |
| BLAIRSVILLE 6 ENE              | 46.0               | 30.3               | 38.2    |                                      | 76      | 27   | 8      | 17   | 827         | 0               | 3               | 23              | 0              | 5.64  | 1.02                                 | .28          | 28   | 6.9         | 4                      | 10+  | 15                                      | 4                                       | 1                                       |   |
| BURGETTSTOWN 2 W               | 50.4               | 29.1               | 39.8    |                                      | 75      | 28   | 10     | 17   | 777         | 0               | 2               | 19              | 0              | 3.85  |                                      | .61          | 5    | T           | T                      | 17+  | 10                                      | 2                                       | 0                                       |   |
| BUTLER                         | 48.7M              | 29.3M              | 39.0M   | .6                                   | 73      | 28   | 12     | 17   | 800         | 0               | 2               | 19              | 0              | 4.02  | .43                                  |              |      | .0          | 0                      |      |   |   |   |   |
| CLAYSVILLE 3 W                 | 53.1               | 31.4               | 42.3    | 2.8                                  | 79      | 27   | 14     | 18+  | 697         | 0               | 0               | 15              | 0              | 4.25  | .39                                  | .88          | 5    | T           | T                      | 17+  | 11                                      | 2                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 39.9    | 1.9                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| CONFLUENCE 1 SW DAM            | 49.6               | 30.1               | 39.9    |                                      | 73      | 7    | 13     | 11   | 776         | 0               | 2               | 21              | 0              | 6.16  |                                      | 1.17         | 5    | 5.6         | 5                      | 10   | 13                                      | 4                                       | 2                                       |   |
| DOONEGAL                       | 44.3               | 26.4               | 35.4    |                                      | 70      | 27   | 6      | 11   | 919         | 0               | 4               | 26              | 0              | 5.23  | -.05                                 | 1.22         | 4    |             |                        |      |   |   |   |   |
| DOONORA                        | 55.7               | 30.9               | 43.3    | .9                                   | 76      | 27+  | 11     | 17   | 669         | 0               | 0               | 16              | 0              | 3.62  |                                      | .72          | 8    | .3          | 1                      | 10   | 8                                       | 2                                       | 0                                       |   |
| FORD CITY 4 S OAM              | 49.5               | 30.1               | 39.8    |                                      | 74      | 28+  | 13     | 17   | 773         | 0               | 1               | 19              | 0              | 3.85  |                                      | .76          | 9    | 1.0         | 1                      | 10   | 10                                      | 3                                       | 0                                       |   |
| INDIANA 3 SE                   | 50.3               | 30.1               | 40.2    |                                      | 75      | 27+  | 11     | 18   | 764         | 0               | 1               | 18              | 0              | 4.19  |                                      | .86          | 5    | .2          | T                      | 11+  | 11                                      | 3                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 42.9    | 4.0                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| MIDLANO OAM 7                  | 51.6               | 34.2               | 42.9    |                                      | 74      | 27   | 16     | 17   | 678         | 0               | 2               | 14              | 0              | 3.52  |                                      | 1.17         | 5    | .5          | 1                      | 10   | 11                                      | 2                                       | 0                                       |   |
| NEW CASTLE 1 N                 | 52.4               | 31.5               | 42.0    |                                      | 74      | 27   | 9      | 17   | 706         | 0               | 1               | 15              | 0              | 3.45  | -.10                                 | .80          | 9    | T           | T                      | 10   | 10                                      | 3                                       | 0                                       |   |
| NEWELL                         | 54.5               | 36.1               | 45.3    |                                      | 75      | 28   | 19     | 17   | 603         | 0               | 0               | 11              | 0              | 6.50  |                                      | .85          | 29+  | .0          | 0                      |      | 15                                      | 6                                       | 0                                       |   |
| NEW STANTON                    | 52.9               | 32.9               | 42.9    |                                      | 76      | 27   | 15     | 17   | 676         | 0               | 0               | 16              | 0              | 2.19  |                                      | .50          | 28   | T           | 0                      |      | 5                                       | 1                                       | 0                                       |   |
| PITTSBURGH WB AP 2 //R         | 49.8               | 32.7               | 41.3    | 2.7                                  | 74      | 27   | 14     | 17   | 729         | 0               | 2               | 15              | 0              | 3.48  | .28                                  | .94          | 4    | 1.4         | T                      | 17+  | 8                                       | 2                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 44.2    | 2.6                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| PITTSBURGH WB CITY             | 52.0               | 36.3               | 44.2    | 2.6                                  | 74      | 27   | 17     | 17   | 638         | 0               | 1               | 9               | 0              | 3.68  | .27                                  | 1.03         | 4    | .9          | 0                      |      | 10                                      | 2                                       | 1                                       |   |
| PUTNEVILLE 2 SE OAM            | 47.5               | 24.7               | 36.1    |                                      | 73      | 28   | 7      | 17   | 888         | 0               | 3               | 27              | 0              | 3.51  |                                      | .70          | 5    | 3.0         | 2                      | 10   | 9                                       | 2                                       | 0                                       |   |
| SALINA 3 W                     | 50.9               | 31.1M              | 41.0M   |                                      | 72      | 6    | 13     | 31   | 725         | 0               | 1               | 17              | 0              | 3.56  |                                      | .97          | 4    | T           | T                      | 16+  | 11                                      | 2                                       | 0                                       |   |
| SLIPPERY ROCK                  | 49.3               | 31.6               | 40.5    |                                      | 73      | 27   | 12     | 17   | 754         | 0               | 1               | 16              | 0              | 2.46  |                                      | .60          | 5    | 1.0         | 1                      | 10   | 7                                       | 1                                       | 0                                       |   |
| UNIONTOWN                      | 53.3               | 36.0               | 44.7    | 2.6                                  | 76      | 27+  | 17     | 17   | 626         | 0               | 0               | 12              | 0              | 4.80  | .78                                  | .91          | 4    | 3.0         | 2                      | 9    | 12                                      | 4                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 43.9    | 3.0                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| WAYNESBURG 2 W                 | 54.6               | 33.1               | 43.9    | 3.0                                  | 75      | 27   | 15     | 17   | 648         | 0               | 0               | 15              | 0              | 4.78  | .91                                  | .93          | 22   | .5          | T                      | 10+  | 11                                      | 4                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 41.2    | 2.3                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| <b>NORTHWEST PLATEAU</b>       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| BRAEFORD FAA AIRPORT           | 41.0               | 25.0               | 33.0    |                                      | 66      | 27   | 4      | 17   | 985         | 0               | 7               | 25              | 0              | 3.08  |                                      | .56          | 9    |             | 8                      | 10   | 10                                      | 1                                       | 0                                       |   |
| BROOKVILLE FAA AIRPORT         | 46.1               | 28.0               | 37.1    |                                      | 71      | 27   | 7      | 11   | 857         | 0               | 2               | 23              | 0              | 4.29  |                                      | .96          | 4    | 4.0         | 3                      | 11+  | 11                                      | 2                                       | 0                                       |   |
| CLARION 3 SW                   | 43.5               | 25.0               | 34.3    |                                      | 69      | 27   | 5      | 17+  | 946         | 0               | 3               | 28              | 0              | 3.85  |                                      | .90          | 9    | 2.0         | 2                      | 10+  | 9                                       | 2                                       | 0                                       |   |
| CORRY                          | 45.2               | 27.3               | 36.3    | 2.4                                  | 71      | 27   | 4      | 17   | 884         | 0               | 2               | 21              | 0              | 3.54  | -.45                                 | .58          | 19   | 11.3        | 3                      | 9    | 12                                      | 2                                       | 0                                       |   |
| COUDERSPORT 3 NW               | 41.9               | 24.1               | 33.0    |                                      | 67      | 5    | 1      | 17   | 983         | 0               | 5               | 26              | 0              | 2.85  |                                      | .56          | 25   | 9.9         | 6                      | 11+  | 10                                      | 1                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 42.0    | 3.3                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| EAST BRADY                     | 52.9               | 31.0               | 42.0    |                                      | 76      | 27   | 13     | 11   | 708         | 0               | 1               | 17              | 0              | 4.53  |                                      | .78          | 4    |             | 1                      | 9    | 13                                      | 4                                       | 0                                       |   |
| ERIE WB AIRPORT                | 45.3               | 29.4               | 37.4    | 3.3                                  | 74      | 27   | 13     | 17   | 848         | 0               | 3               | 20              | 0              | 2.13  | -.66                                 | .36          | 13   | .7          | 1                      | 1    | 10                                      | 0                                       | 0                                       |   |
| FARRELL SHARON                 | 50.6               | 34.7               | 42.7    | 3.7                                  | 74      | 27   | 18     | 17   | 685         | 0               | 2               | 11              | 0              | 4.23  | 1.04                                 | 1.19         | 4    |             |                        |      |   |   |   |   |
| FRANKLIN                       | 48.7               | 30.5               | 39.6    | 4.6                                  | 72      | 27   | 11     | 17   | 782         | 0               | 1               | 17              | 0              | 3.22  | -.15                                 | .67          | 9    |             |                        |      |   |   |   |   |
| GREENVILLE                     | 50.1               | 30.2               | 40.2    | 3.3                                  | 72      | 27   | 12     | 17   | 764         | 0               | 1               | 16              | 0              | 3.45  | -.03                                 | .62          | 4    | 2.0         | 2                      | 9    | 12                                      | 2                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 37.4    | 2.2                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| JAMESTOWN 2 NW                 | 46.3               | 28.5               | 37.4    |                                      | 73      | 28   | 10     | 11   | 850         | 0               | 4               | 19              | 0              | 3.36  | .27                                  | .57          | 9    |             | 1                      | 11+  | 11                                      | 2                                       | 0                                       |   |
| KANE 1 NNE                     | 42.9               | 24.1               | 33.5    |                                      | 70      | 28   | 4      | 17   | 968         | 0               | 4               | 27              | 0              | 3.55  |                                      | .76          | 9    | 15.3        | 9                      | 10   | 11                                      | 2                                       | 0                                       |   |
| MEADVILLE 1 S                  | 45.5               | 28.4               | 37.0    | 2.2                                  | 72      | 28   | 9      | 17   | 863         | 0               | 3               | 20              | 0              | 3.57  | .15                                  | .65          | 9    | 3.8         | 2                      | 11+  | 13                                      | 3                                       | 0                                       |   |
| MERCER 2 NNE                   | 49.0               | 26.8               | 37.9    |                                      | 73      | 27   | 8      | 11   | 828         | 0               | 2               | 24              | 0              | 05.13 |                                      | .75          | 5    | 1.0         | 1                      | 10   | 14                                      | 6                                       | 0                                       |   |
| TIONESTA 2 SE OAM              | 45.8               | 27.2M              | 36.5M   |                                      | 73      | 28   | 11     | 18+  | 867         | 0               | 3               | 24              | 0              | 3.50  |                                      |              |      | 8.5         | 4                      | 10   |   |   |   |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 37.4    | 2.5                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
| TITUSVILLE WATER WORKS         | 43.5               | 25.9               | 34.7    |                                      | 69      | 27   | -1     | 17   | 932         | 0               | 4               | 26              | 1              | 3.90  |                                      | .87          | 19   | 3.0         | 2                      | 10+  | 12                                      | 2                                       | 0                                       |   |
| WARREN                         | 46.4               | 28.4               | 37.4    | 2.5                                  | 73      | 27   | 8      | 17   | 847         | 0               | 2               | 18              | 0              | 2.75  | -.98                                 | .61          | 14   | 5.5         | 3                      | 10+  | 9                                       | 1                                       | 0                                       |   |
| <b>DIVISION</b>                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |
|                                |                    |                    | 37.1    | 2.2                                  |         |      |        |      |             |                 |                 |                 |                |       |                                      |              |      |             |                        |      |   |   |   |   |

See Reference Notes Following Station Index

# DAILY PRECIPITATION

PENNSYLVANIA  
MARCH 1961

| Station                 | Total | Day of Month |     |     |      |     |      |      |      |     |     |      |     |     |     |     |      |     |     |      |     |     |     |    |    |    |    |    |      |     |     |     |     |     |
|-------------------------|-------|--------------|-----|-----|------|-----|------|------|------|-----|-----|------|-----|-----|-----|-----|------|-----|-----|------|-----|-----|-----|----|----|----|----|----|------|-----|-----|-----|-----|-----|
|                         |       | 1            | 2   | 3   | 4    | 5   | 6    | 7    | 8    | 9   | 10  | 11   | 12  | 13  | 14  | 15  | 16   | 17  | 18  | 19   | 20  | 21  | 22  | 23 | 24 | 25 | 26 | 27 | 28   | 29  | 30  | 31  |     |     |
| ACNETOMIA LOCK 3        | 4.32  | .12          | .01 | .25 | 1.04 | .15 | .05  | .11  | .73  | .08 | T   | .21  | .55 | T   | .24 | .15 | .22  | .05 | .16 | .25  | .03 |     |     |    |    |    |    |    |      |     | .11 | .38 | .   |     |
| ALLEN TOWN WB AP        | 4.47  | .11          |     | .13 | .02  | .27 | .05  | .11  | .73  | .08 | T   | .21  | .55 | T   | .24 | .15 | .22  | .05 | .16 | .25  | .03 |     |     |    |    |    |    |    |      | .16 | .11 | .38 | .   |     |
| ALLEN TOWN GAS CO       | 4.03  |              | .13 | .15 | .03  | .28 | T    | 1.13 | T    |     |     | .02  | .70 | T   | .35 | .07 | .35  | .07 | .26 | .73  | T   |     |     |    |    |    |    |    |      | .16 | .12 |     | .   |     |
| ALTOONA HORSESHOE CURVE | 4.67  | .02          |     | .59 | .39  | .27 | .05  | .22  | .04  |     |     | .17  | .20 | .02 | T   |     |      | .58 | .13 | .55  | .17 |     |     |    |    |    |    |    | .44  | .02 | .27 | .   |     |     |
| ARENDTSTVILLE           | 3.96  | T            |     | .63 | .11  | .20 | .05  | .72  | T    |     |     | .38  | T   |     |     |     |      | .67 | .06 | .40  | .52 | .11 |     |    |    |    |    |    | .44  | .11 |     | .   |     |     |
| AUSTINBURG 2 W          | 2.03  | T            | T   | .10 | .15  | .02 | .46  | .10  |      |     |     | .36  | T   | T   | T   | T   | T    | .38 | .17 | .15  | .10 | .04 | T   |    |    |    |    |    |      |     |     | .   |     |     |
| BAKERSTOWN 3 WNW        | 2.34  |              | .03 | .50 | .41  | .22 | .03  | .85  | .22  | .02 |     | .01  | .06 | .06 | .02 | .06 | .06  | .01 | .03 | .11  |     |     |     |    |    |    |    |    |      |     |     | .02 | .   |     |
| BARNES                  | 3.13  | T            |     | .11 | .29  | .19 | .09  | .60  | .40  |     |     | .05  | .25 | .18 | .10 | .05 | .34  | .15 | .35 | .15  | .10 | .06 |     |    |    |    |    |    |      |     |     | .   | .   |     |
| BEAR CREEK DAM          | 3.78  | .08          | .01 | .20 | .12  | .25 | .05  | .04  | .40  | .06 |     | .14  | .35 |     |     |     | .50  | .02 | .17 | .15  |     |     |     |    |    |    |    |    |      |     |     | .   | .   |     |
| BEAR GAP                | 3.19  | .03          |     | .20 | .12  | .25 | .05  | .04  | .40  | .06 |     | .14  | .35 |     |     |     | .50  | .02 | .17 | .15  |     |     |     |    |    |    |    |    |      |     |     | .   | .   |     |
| BEAVER FALLS            | 2.72  | .22          | .01 | .20 | .55  | .21 | T    | .62  | .12  | .01 |     | .13  | .22 | .02 | T   | T   | .24  | .04 | .07 | .03  | .04 | .01 |     |    |    |    |    |    |      |     |     | .   | .   |     |
| BEAVERTOWN              | 3.66  | .02          |     | .35 | .21  | .15 | .05  | 1.06 | T    |     |     | .03  | .25 | .01 |     |     | .34  | .07 | .17 | .49  | .05 |     |     |    |    |    |    |    |      |     |     | .24 | .   |     |
| BECHTELSVILLE           | 3.81  | .11          | .10 | .17 | T    | .21 | .05  | 1.09 | T    |     |     | .02  | .50 |     |     |     | .60  | .15 | *   | .18  | .46 |     |     |    |    |    |    |    |      |     |     | .22 | .   |     |
| BELLEFONTA 4 S          | -     |              |     | .27 | -    | -   | .62  |      |      |     |     | T    | .18 |     |     |     | T    | .50 | *   | .50  |     |     |     |    |    |    |    |    |      |     |     | .28 | .   |     |
| BERNE                   | 3.52  | T            | .10 | .23 | .06  | .37 | .72  |      |      |     |     | .65  | T   |     |     |     | .45  | .05 | .   | .37  | .30 | T   |     |    |    |    |    |    |      |     |     | .13 | .   |     |
| BERWICK                 | 3.59  | T            |     | .04 | .23  | .33 | .57  | .39  | T    | T   |     | .14  | .38 | T   | T   |     | .59  |     |     | .61  | .04 | T   |     |    |    |    |    |    |      | .05 | .22 | T   | .   |     |
| BETHLEHEM               | 3.64  | .09          | .15 | *   | .09  | T   | .30  |      |      |     |     | T    | .71 | T   |     |     | .43  | .03 |     | .19  | .49 | T   |     |    |    |    |    |    |      |     | .18 | .   |     |     |
| BETHLEHEM LEHIGH UNIV   | 4.43  | .16          | .01 | .14 | .27  | .22 | 1.50 | 1.07 | T    | .02 |     | T    | .71 | T   |     |     | .43  | .03 |     | .19  | .49 | T   |     |    |    |    |    |    |      | .17 | .18 | .13 | .   |     |
| BLAIRSVILLE 6 EME       | 5.64  | .03          | .01 | .89 | .27  | .22 | .43  | .34  | .12  |     |     | .20  | .18 | .04 | .12 | .19 | .69  |     | .01 | .18  | .18 | .05 |     |    |    |    |    |    | 1.02 | .06 | .50 | .   |     |     |
| BLGSERVILLE 1 N         | 3.88  | .05          | T   | .73 | .45  | .25 | 1.10 | .68  |      |     |     | .02  | .26 | .02 |     |     | .72  | .02 |     | .27  | .17 | .01 |     |    |    |    |    |    |      |     |     |     | .   |     |
| BOSWELL 1 SW            | 4.75  | .18          | .05 | .09 | .63  | .59 | .18  | .30  | .48  | .17 | T   | .02  | .18 | .06 | .06 | .03 | .58  | .20 |     | .58  | .05 | .01 | T   |    |    |    |    |    |      |     |     | .31 | .   |     |
| BRADDOCK LOCK 2         | 3.82  | .15          | .02 | .28 | .63  | .23 | .09  | .18  | .69  | .07 | .01 | .04  | .35 | .08 | T   | .01 | .28  | .09 |     | .38  | .12 | T   | T   |    |    |    |    |    |      |     |     |     | .   |     |
| BRADFORD FAA AIRPORT    | 3.08  | .02          | .03 | .22 | .11  | .27 | .39  | .56  | .07  | T   | T   | .43  | .08 | .18 | .06 | T   | .12  | .20 | .02 | .08  | .12 | .05 | T   | T  |    |    |    |    |      |     |     |     | .19 | .   |
| BRADFORD CNTRL FIRE STA | 2.62  | .03          |     | .06 | .12  | .16 | .23  | .42  | .13  |     |     | T    | .54 | .14 | .02 | T   | T    | .21 | .18 | .16  | .05 | .09 | .08 |    |    |    |    |    |      |     |     |     | .   |     |
| BREEZEWOOD              | 5.00  | .08          |     | *   | .18  | .38 | 1.05 | .22  | T    |     |     | .21  | .07 | .02 |     |     | .66  |     | .44 | .32  | .02 |     |     |    |    |    |    |    |      | .24 |     | .42 | .   |     |
| BROOKVILLE FAA AIRPORT  | 4.29  | .06          | T   | .96 | .16  | .11 | .69  | 1.10 | .04  |     |     | .35  | .24 | .05 | T   | .26 | .44  |     | .24 | .06  | .08 | .09 |     |    |    |    |    |    |      |     |     |     | .   |     |
| BRUCETON 1 S            | 3.19  | .15          | .03 | *   | .10  | .01 | .33  | .47  | .15  |     |     | .02  | .36 | .04 | .01 | T   | .26  | .44 |     | .36  | .14 | .01 |     |    |    |    |    |    |      |     | .14 | .   |     |     |
| BUCHY MILLS             | 4.51  | .20          |     | .60 | .10  | .13 | .25  | .66  | .03  |     |     | .02  | .29 | .09 |     |     | .80  | .35 |     | .76  | .23 | .04 |     |    |    |    |    |    |      |     |     | .25 | .   |     |
| BURGETSTOWN 2 W         | 3.85  | .26          | .02 | .15 | .61  | .25 | .03  | .33  | .49  | .08 |     | .05  | .59 | .07 | T   | T   | .26  | .07 |     | .37  | .11 | .02 | .01 |    |    |    |    |    |      |     |     |     | .   |     |
| BURNT CASINS 2 NE       | 05.05 |              |     | .29 | .48  | .45 | .55  | .58  |      |     |     | .20  | .35 |     |     |     | .75  | .35 | T   | 0.50 | .60 |     |     |    |    |    |    |    |      | .05 | .10 | .15 | .   |     |
| BUTLER                  | 4.02  | .36          | .02 | .47 | *    | .90 | T    | .20  | .77  | .04 |     | .09  | .46 | .01 | .01 |     | .35  |     | .18 | .10  | .06 | T   |     |    |    |    |    |    |      |     |     | .   | .   |     |
| CAMP HILL               | 4.51  | .02          |     | .50 | T    | .91 | .80  | .02  |      |     |     | .03  | .70 |     |     |     | .56  |     |     | .35  | .31 |     |     |    |    |    |    |    | .03  | .25 | .03 | .   |     |     |
| CAMP KLINE              | 3.65  | .09          |     | .27 | .16  | .11 | .60  | .03  |      |     |     | .48  | .03 |     |     |     | .23  | .09 |     | .18  | .38 | .09 | .03 |    |    |    |    |    |      |     | .18 | .50 | .   |     |
| CANTON 1 NW             | 2.03  | .20          | T   | .10 | .01  | .20 | .56  | T    |      |     |     | .34  | .03 | .20 |     |     | .15  | .07 |     | .19  | .10 | .06 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CARLISLE                | 4.50  |              |     | .48 | .15  | .72 | .02  | .66  | .30  |     |     | .13  | .16 |     |     |     | .31  | .06 | .51 | .55  | .21 | .01 |     |    |    |    |    |    |      |     |     | .14 | .09 | .31 |
| CARROLLTOWN 2 SSE       | 4.76  | .10          | .05 | .26 | .72  | .31 | .11  | .12  | .65  | .08 | T   | .05  | .29 | .11 | .01 | T   | .39  | .23 |     | .39  | .25 | .02 | T   |    |    |    |    |    |      |     |     | .62 | .   |     |
| CARTER CAMP 2 W         | 2.82  | .07          | T   | .30 | .10  | .07 | .33  | .40  | .05  | .55 |     | .13  | .30 | .11 | T   |     | .13  | .13 |     | .20  | .18 | .20 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CECIL RUN               | 2.92  | .10          | .01 | .25 | .20  | .30 | .25  | .10  |      |     |     | .60  | .10 |     | T   | T   | .20  | .25 |     | .20  | .15 | .19 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CHAMBERSBURG 1 ESE      | 5.14  | T            |     | .62 | .03  | .66 | .80  | T    |      |     |     | .13  | .19 |     | T   |     | .64  | .09 |     | .94  | .09 |     |     |    |    |    |    |    |      | .17 | .02 | T   | .   |     |
| CHARLOT LOCK 4          | 4.27  | .13          | .03 | T   | .76  | .27 | .24  | .20  | .78  | .07 | T   | .01  | .50 | .01 |     |     | .18  | .12 |     | .56  | .10 | .03 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CLARENCE 1 E            | 3.63  | .10          | .04 | .02 | .50  | .04 | .32  | T    | .66  | .05 |     | .13  | .46 | T   |     |     | .25  | .10 |     | .30  | .20 | .10 | T   |    |    |    |    |    |      |     |     | .40 | .   |     |
| CLARIFION 3 SW          | 3.85  | .08          | .04 | .18 | .80  | .12 | .02  | .90  | .07  |     |     | .08  | .44 | .08 | .01 |     | .38  | .16 |     | .22  | .02 | .25 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CLAUSVILLE              | 4.30  | .17          |     | .25 | .23  | .08 | .23  | 1.21 |      |     |     | .79  |     |     |     |     | .45  | .04 |     | .37  | .12 | .03 | .59 |    |    |    |    |    |      |     |     | .18 | .   |     |
| CLAUSVILLE 3 W          | 4.25  | .17          | T   | .23 | .08  | .09 | .35  | .42  |      |     |     | .35  | T   |     | T   | T   | .37  | .55 | T   | .26  | .12 | .02 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CLEARFIELD              | 1.70  | .08          | .05 | .20 | .24  | .09 | .35  | .03  |      |     |     | .03  | .12 | .02 | T   | T   | .07  | T   |     | .49  | .12 | .01 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CODATESVILLE 1 SW       | 4.54  | .20          | .11 | .30 | .06  | .15 | .99  | .05  |      |     |     | T    | .53 |     |     |     | 1.02 | .11 |     | .90  | .17 |     |     |    |    |    |    |    |      |     |     |     | .   |     |
| CONFLUENCE 1 SW OAM     | 6.16  | .14          | .02 | T   | 1.17 | .33 | .28  | .32  | 1.02 | .13 | T   | T    | .12 | .04 | .01 | .01 | .82  | .14 |     | .92  | .13 | .03 | .01 |    |    |    |    |    |      | .01 | .02 | .21 | .   |     |
| CONFLUENCE 1 NW         | 5.70  | .13          | .04 | T   | 1.07 | .29 | .16  | .34  | 1.10 | .16 | T   | T    | .10 | .07 | T   | T   | .82  | .14 |     | .69  | .10 | .04 | T   |    |    |    |    |    |      |     |     |     | .45 | .   |
| CONNEAUTVILLE 6 E       | 2.14  | T            |     | .11 | .38  | .12 | .02  | .34  | .07  |     |     | .48  | .04 | T   | T   |     | .23  | .10 |     | .18  | .03 | .04 | T   |    |    |    |    |    |      |     |     |     | .   |     |
| CONNELLSVILLE           | 4.32  | .20          | .07 | .87 | .31  | .10 | .29  | .44  | .20  |     |     | .19  | T   |     |     |     | .41  | .23 |     | .45  | .11 | .01 |     |    |    |    |    |    |      |     |     |     | .   |     |
| CONSHOHOCKEN            | 4.53  | T            |     | .30 | .04  | .09 | 1.08 | T    |      |     |     | 1.10 |     |     |     |     | .90  | .09 |     |      |     |     |     |    |    |    |    |    |      |     |     |     |     |     |

# DAILY PRECIPITATION

PENNSYLVANIA  
MARCH 1961

Continued

| Station                | Total | Day of Month |      |      |      |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
|------------------------|-------|--------------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|------|------|------|------|----|----|------|--|--|--|
|                        |       | 1            | 2    | 3    | 4    | 5    | 6    | 7      | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23 | 24 | 25   | 26   | 27   | 28   | 29 | 30 | 31   |  |  |  |
| LANCASTER 2NE PUMP STA | 4.27  | T            |      |      | +1.0 | +3.7 | +1.4 | +1.2   | +4.2 | +5.5 | +1.0 |      |      | +0.5 | +4.4 | T    |      |      |      |      | +0.6 | +3.9 | +0.6 |    |    | +0.8 | +0.8 | +0.2 | +2.2 |    |    | +0.7 |  |  |  |
| LANDISVILLE 2 NW       | 3.96  |              | +0.8 | +0.4 |      |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LAWRENCEVILLE 2 S      | 1.75  |              |      |      | +0.3 | T    | +2.9 |        | +1.7 | +2.9 | +0.2 | T    |      |      | +1.1 | +3.4 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LEBANON 3 W            | 4.00  |              | +0.1 | +0.4 |      |      | +4.1 | +1.2   | +3.5 | +8.2 |      |      |      | +0.3 | +4.6 | +0.1 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LEHIGHTON              | 3.97  |              |      |      |      |      | +2.0 | +1.5   | +5.0 | +9.5 |      |      |      |      | +0.6 | +3.0 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LEWIS RUN 3 SE         | 2.94  | +0.5         | T    |      | +0.5 | +2.7 | +0.5 | +1.6   |      | +5.5 | +1.0 | T    | T    | +0.2 | +6.5 | +1.6 | +0.4 | +0.2 |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LEWISTOWN              | 3.95  | T            | +1.0 |      |      | +7.2 | +2.4 | +3.5   | T    | +8.0 | +0.2 | T    | T    |      | +3.6 | T    |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LOCK HAVEN             | 3.41  |              | +0.8 | T    |      | +0.4 | +2.6 | +0.7   | +2.0 | +7.2 | +0.1 |      |      | +0.7 | +4.0 | +0.4 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LONG POND 2 W          | 3.42  |              | +0.8 | +1.0 |      | +1.0 | +3.9 | +1.5   | +1.0 | +4.5 | +1.2 |      |      |      | +0.5 | +7.5 | +1.9 | +1.0 | +0.5 |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| LYNCH                  | 3.83  |              |      |      |      |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MADERA                 | 4.08  |              |      |      | +0.4 | +7.5 | +0.5 | +4.2   |      | +5.5 | +0.4 |      |      | T    | +2.9 | +0.9 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MAINFREY               | 5.10  | +1.5         | +0.3 |      | +1.5 | +1.0 | +5.2 | +2.4   | +0.2 | +7.4 | +0.3 | T    |      | T    | +5.0 | +0.8 | T    | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MAPLE GLEN             | 4.98  | +6.7         | +2.7 |      |      | +1.8 | T    | +1.6   |      | +9.7 | +0.2 |      |      |      | +9.5 | +0.2 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MAPLETON DEPOT         | 4.98  | +1.3         |      |      |      | +6.8 | +2.0 | +2.9   | +0.5 | +8.3 |      |      |      | +1.8 | +2.1 |      | T    | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MARCUS HOOK            | 5.26  | +1.8         |      |      | +3.0 | T    | +2.7 |        | +1.2 | +2.0 |      |      |      | +0.3 | +8.6 | T    |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MARION CENTER 2 SE     | 4.20  | +1.1         | +0.6 |      |      | +3.5 | +7.7 | +3.3   | +1.5 | +1.4 | +4.9 | +0.9 | +0.1 |      | +0.2 | +4.0 | +0.8 | +0.2 | T    |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MARTINSBURG FAA AP     | 4.05  | +0.2         | T    |      | +6.4 | +2.7 | +2.9 |        | +7.1 | +0.7 |      |      |      |      | +1.1 | +0.7 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MATAMORAS              | 4.59  | +1.2         | +0.7 |      |      | +4.2 | +0.5 | +3.4   |      | +1.4 |      |      |      |      | +6.4 | +1.2 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MC CONNELLSBURG        | 4.98  | +0.8         | +0.2 |      |      | +6.8 | +1.0 |        | +3.6 | +0.3 | +8.3 | T    | T    |      | +0.4 | +2.9 | +0.6 |      | +0.1 |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MC KEESPORT            | 3.31  |              | +0.1 |      |      | +1.0 | +0.8 | +1.0   | +3.2 | +5.3 | +0.1 |      |      |      | +0.5 | +3.2 | +0.5 | +0.1 |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MEADVILLE 1 S          | 3.57  |              |      |      | +1.1 | +4.4 | +1.8 | +1.7   | +0.1 | +6.5 | +1.4 | T    |      |      | +1.6 | +5.1 | +1.0 | T    | +0.1 |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MEIGER RUN             | 3.48  |              | +2.8 | +0.4 | T    |      | +6.0 | +1.3   | +2.3 | +5.6 | +0.9 | T    |      |      | +0.4 | +5.5 | +1.0 | T    | +0.3 | +0.3 |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MERCER 2 NNE           | 05.13 |              |      |      | +3.2 | +7.5 | +5.0 | +5.3   |      | +6.0 | +1.0 |      |      |      | +5.5 | +6.5 | +1.0 | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MERCERSBURG            | 5.45  | T            |      |      |      | +8.3 | +0.6 | +7.2   | +2.0 | +1.0 |      |      |      |      | +2.2 | T    |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MEYERSDALE             | 4.48  |              | +3.5 |      |      | +9.3 | +1.4 | +1.4   | +0.9 | +4.5 | +2.8 |      |      |      | +0.9 | +0.2 | +0.1 | +3.2 |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MILANO DAM 7           | 3.52  |              | +2.0 | +0.2 |      | +3.6 | +5.9 | +2.8   |      | +0.9 | +5.7 | +0.4 | T    |      | +1.6 | +3.9 | +0.1 | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MILANVILLE             | 4.21  | +0.4         | +0.5 |      |      | +2.0 | +0.7 | +4.7   |      | +1.0 | +0.7 | T    |      |      | +8.5 | +0.4 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MILLHEIM               | 3.50  | T            |      |      |      | +4.7 | +1.3 | +2.1   | T    | +6.8 | +0.6 |      |      |      | +3.8 | +0.1 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MILLVILLE 2 SW         | 3.88  |              | +0.2 | +0.4 |      |      | +2.9 | +0.5   | +2.8 | +9.8 | +1.1 | T    |      |      | +6.3 |      | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MILROY                 | 3.77  |              | +0.2 | +0.4 |      |      | +5.0 | +1.6   | +2.5 | +0.5 | +7.6 | T    | T    |      | +2.3 | +0.2 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MOATROSE               | 3.91  | +1.4         | T    |      |      | +2.0 | +0.6 | +3.8   |      | +7.6 | +3.0 | T    | T    |      | +8.5 | +0.6 | T    |      | +0.2 |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MORGANTOWN             | 4.29  | +0.7         |      |      | +3.6 | T    | +3.5 | T      |      | +8.6 | T    |      |      |      | +0.6 | +4.0 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MT GRENA 2 SE          | 3.88  |              | +0.9 |      |      | +4.6 | +0.4 | +3.0   | +0.2 | +7.6 |      |      |      |      | +2.1 | +1.0 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| MYERSTOWN              | 3.30  | T            |      |      |      | +2.6 | +1.0 | +3.2   |      | +6.2 |      |      |      |      | +3.6 | +0.2 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NATRONA LOCK 4         | 3.34  |              | +0.3 |      |      | +1.5 | +7.7 | +1.4   | +0.1 | +0.5 | +8.1 | +0.9 | T    |      | +0.1 | +5.8 | +0.6 | +0.2 | T    |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NESMAMINT FALLS        | 5.58  | +2.4         |      |      |      | +1.7 | T    | +1.2   |      | +9.4 | +1.4 |      |      |      | +0.3 | +1.0 | +0.8 | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEW CASTLE 1 N         | 3.45  | +0.3         |      |      |      | +2.2 | +5.6 | +2.5   | +0.2 | T    | +8.0 |      |      |      | +1.8 | +3.2 | +0.1 | T    | +0.2 |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEWELL                 | 6.50  | +2.0         |      |      |      | +4.0 | +8.5 | +6.5   | +2.0 | +7.0 | +5.0 | +1.0 | T    |      | +2.6 | +5.2 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEW PARK               | 4.76  | +0.4         |      |      |      | +2.5 | +0.9 | +4.3   |      | +2.0 | +1.3 |      |      |      | +4.2 |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEWPORT                | 3.47  | +1.2         | T    |      |      |      | +5.3 | +2.2   | +2.8 | +0.2 | +8.5 | T    |      |      | +0.7 | +2.6 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEW STANTON            | 2.19  | T            |      |      |      | +0.7 | +1.8 | T      |      | +4.8 | T    |      |      |      | +3.0 | +3.0 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NEW TRIPOLI            | 3.86  | +1.4         | T    |      |      | +0.6 | +1.8 | +3.6   | +0.2 | +6.1 | +4.1 |      |      |      | +0.9 | +6.0 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NORRISTOWN             | 4.75  | +2.2         | +1.6 |      |      |      | +1.6 | +0.1   | +1.6 | +1.0 | +0.1 |      |      |      | +0.1 | +8.3 | +0.1 | T    |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| NORTH EAST 2 SE        | 2.12  |              |      |      |      | +0.3 | +0.7 | +1.6   | T    | +3.8 | +1.2 |      |      |      | +6.5 | +1.2 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PALM                   | 4.42  | +1.0         | +1.5 |      |      |      |      |        |      | +3.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PALMERTON              | 3.96  | +0.8         | T    |      |      | +2.0 | +0.4 | +3.8   | +0.1 | +0.6 | T    |      |      |      | +2.2 | +3.2 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PARKER                 | 3.19  | +0.9         | +0.5 |      |      | +1.6 | +6.8 | +1.0   |      | +0.4 | +8.6 | +0.7 |      |      | +5.2 | +0.4 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PAUDUCK 2 WNW          | 3.59  | +0.5         | +0.4 |      |      |      | +0.1 | +0.1   | +4.9 | +0.4 | +1.5 |      |      |      | +6.3 | +0.8 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PHIL OREX INST OF TEC  | 5.03  | +2.5         |      |      |      | +2.0 | T    | +3.3   |      | +1.1 | T    |      |      |      | +0.5 | +7.6 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PHILADELPHIA W8 AP     | 5.17  | +2.1         |      |      |      | +2.3 | T    | +3.4   |      | +1.3 | T    |      |      |      | +0.7 | +8.8 | T    |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PHILADELPHIA PT BREEZE | 4.90  | +1.7         |      |      |      | +1.9 | +0.5 | +2.3   |      | +1.2 | +0.1 |      |      |      | +0.7 | +8.7 |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |
| PHILIPSBURG FAA AP     | 4.02  | +0.3         | T    |      |      | +6.1 | +0.6 | +2.0</ |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |      |      |      |      |    |    |      |  |  |  |

## DAILY PRECIPITATION

Continued

PENNSYLVANIA  
MARCH 1961

| Station            | Total | Day of Month |     |     |     |     |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------------|-------|--------------|-----|-----|-----|-----|-----|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                    |       | 1            | 2   | 3   | 4   | 5   | 6   | 7    | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| WOLFSBURG          | .4    | .14          | .16 | T   | .01 | .61 | .16 | .74  | .21 | .66 | .01 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| YORK 3 SW PUMP STA | 3     | .96          | .04 | .24 | .29 | .25 | .04 | .38  | .27 | T   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| YORK HAVEN         | .6    | .03          | .02 | .02 | .50 | .13 | .21 | T    | .75 | T   |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| ZION GROVE         | 2     | .79          | .02 | .25 | .27 | .72 |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| ZIONSVILLE 3 SE    | 3     | .93          | .01 | .22 | .13 | .40 | T   | 1.01 | T   |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                    |       |              |     |     |     |     |     |      |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

## DAILY SOIL TEMPERATURES

| Station And Depth                  | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 35           | 35 | 41 | 41 | 44 | 46 | 46 | 42 | 38 | 38 | 37 | 39 | 39 | 39 | 39 | 38 | 37 | 36 | 35 | 38 | 37 | 39 | 40 | 40 | 42 | 44 | 48 | 48 | 46 | 43 | 42   | 40.4    |
|                                    | MIN  | 35           | 34 | 35 | 39 | 39 | 41 | 42 | 38 | 38 | 37 | 35 | 35 | 38 | 38 | 37 | 37 | 36 | 35 | 34 | 35 | 35 | 37 | 38 | 38 | 37 | 38 | 42 | 46 | 42 | 40 | 39   | 37.7    |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 31           | 32 | 32 | 34 | 38 | 45 | 42 | 40 | 36 | 33 | 33 | 33 | 37 | 37 | 37 | 37 | 32 | 32 | 34 | 33 | 33 | 35 | 35 | 33 | 37 | 36 | 38 | 43 | 44 | 42 | 38   | 36.2    |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 33           | 39 | 47 | 41 | 55 | 56 | 49 | 41 | 39 | 36 | 34 | 44 | 36 | 38 | 43 | 36 | 36 | 31 | 32 | 45 | 44 | 39 | 34 | 34 | 46 | 51 | 57 | 54 | 53 | 48 | 39   | 42.3    |
| MIN                                | 32   | 31           | 32 | 37 | 40 | 48 | 43 | 35 | 34 | 32 | 31 | 32 | 33 | 34 | 35 | 32 | 30 | 30 | 31 | 31 | 35 | 31 | 33 | 33 | 32 | 33 | 37 | 43 | 40 | 35 | 33 | 34.5 |         |
| 4 INCHES                           | MAX  | 33           | 38 | 44 | 40 | 52 | 54 | 49 | 42 | 39 | 34 | 34 | 42 | 36 | 38 | 42 | 37 | 37 | 32 | 33 | 43 | 41 | 39 | 34 | 34 | 43 | 48 | 52 | 50 | 50 | 45 | 39   | 41.1    |
| MIN                                | 32   | 31           | 32 | 37 | 40 | 47 | 44 | 36 | 35 | 33 | 32 | 32 | 34 | 34 | 36 | 33 | 32 | 31 | 31 | 32 | 36 | 31 | 33 | 33 | 33 | 33 | 38 | 43 | 40 | 36 | 34 | 35.0 |         |
| 8 INCHES                           | MAX  | 35           | 36 | 39 | 39 | 46 | 49 | 48 | 44 | 39 | 37 | 35 | 38 | 37 | 37 | 39 | 39 | 39 | 33 | 34 | 39 | 41 | 41 | 35 | 35 | 39 | 43 | 46 | 47 | 46 | 44 | 40   | 40.0    |
| MIN                                | 33   | 32           | 33 | 37 | 39 | 45 | 45 | 38 | 37 | 35 | 34 | 34 | 35 | 35 | 36 | 35 | 33 | 32 | 33 | 33 | 36 | 35 | 34 | 34 | 34 | 35 | 39 | 43 | 42 | 41 | 39 | 36.2 |         |
| 12 INCHES                          | MAX  | 35           | 35 | 37 | 37 | 41 | 45 | 45 | 44 | 40 | 39 | 37 | 37 | 37 | 38 | 40 | 40 | 35 | 35 | 38 | 40 | 41 | 36 | 35 | 37 | 39 | 42 | 43 | 43 | 43 | 42 | 39.1 |         |
| MIN                                | 34   | 33           | 34 | 37 | 37 | 42 | 44 | 40 | 39 | 37 | 36 | 35 | 36 | 36 | 37 | 36 | 35 | 34 | 34 | 34 | 35 | 36 | 35 | 35 | 35 | 36 | 38 | 42 | 42 | 41 | 39 | 36.9 |         |
| 16 INCHES                          | MAX  | 36           | 35 | 36 | 37 | 40 | 43 | 45 | 44 | 41 | 40 | 38 | 37 | 37 | 38 | 41 | 42 | 36 | 36 | 38 | 40 | 41 | 37 | 36 | 37 | 38 | 40 | 42 | 43 | 43 | 42 | 39.2 |         |
| MIN                                | 34   | 34           | 35 | 36 | 37 | 40 | 43 | 41 | 39 | 38 | 37 | 36 | 37 | 37 | 37 | 37 | 36 | 35 | 35 | 34 | 36 | 37 | 36 | 35 | 35 | 36 | 38 | 41 | 42 | 41 | 40 | 36.1 |         |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              |       | Percent of possible sunshine | Average sky cover sunrise to sunset |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|-------|------------------------------|-------------------------------------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over | Total |                              |                                     |
| ALLENTOWN WB AIRPORT    | WNW            | 13                              | 11.9                | 38++         | WNW                       | 10                   | 78                                 | 78         | 58         | 67         | 6                                 | 2     | 9     | 2     | 1       | 0            | 20    | -                            | 6.5                                 |
| ERIE WB AIRPORT         | SW             | 12                              | 13.5                | 37++         | SE                        | 6                    | 75                                 | 78         | 70         | 73         | 7                                 | 3     | 10    | 0     | 0       | 0            | 20    | -                            | 8.5                                 |
| HARRISBURG WB AIRPORT   | WNW            | 16                              | 9.0                 | 31           | NW                        | 10                   | 69                                 | 71         | 54         | 62         | 4                                 | 4     | 9     | 2     | 0       | 0            | 19    | 54                           | 7.0                                 |
| PHILADELPHIA WB AIRPORT | ENE            | 14                              | 10.4                | 35           | NW                        | 10                   | 71                                 | 72         | 59         | 64         | 7                                 | 1     | 7     | 3     | 1       | 0            | 19    | 52                           | 6.6                                 |
| PITTSBURGH WB AIRPORT 2 | WSW            | 12                              | 11.2                | 30++         | SW                        | 6                    | 76                                 | 79         | 65         | 67         | 5                                 | 9     | 6     | 2     | 0       | 0            | 22    | 33                           | 7.7                                 |
| READING WB CITY         | -              | -                               | 11.6                | 56           | E                         | 8                    | -                                  | -          | -          | -          | 4                                 | 4     | 9     | 0     | 1       | 0            | 18    | 54                           | 6.3                                 |
| CRANTON WB AIRPORT      | NW             | 15                              | 9.5                 | 29           | W                         | 28+                  | 79                                 | 77         | 63         | 66         | 8                                 | 7     | 8     | 1     | 0       | 0            | 24    | 47                           | 7.5                                 |
| WILLIAMSPORT WB AIRPORT | -              | -                               | -                   | -            | -                         | -                    | -                                  | 77         | 58         | 65         | 4                                 | 3     | 10    | 2     | 0       | 0            | 19    | -                            | 7.4                                 |

See reference notes following Station Index

# DAILY TEMPERATURES

PENNSYLVANIA

MARCH 196

| Station                 | Day Of Month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            | Average    |
|-------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|------------|
|                         | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31         |            |
|                         | MAX          | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX      | MIN      | MAX        |            |
| ALLENTOWN WB AP         | 35<br>25     | 49<br>29 | 60<br>27 | 52<br>32 | 68<br>39 | 58<br>40 | 61<br>37 | 37<br>30 | 39<br>29 | 34<br>22 | 44<br>19 | 53<br>24 | 41<br>31 | 37<br>33 | 52<br>36 | 41<br>21 | 33<br>16 | 42<br>13 | 37<br>31 | 49<br>28 | 46<br>24 | 45<br>29 | 36<br>30 | 46<br>33 | 45<br>34 | 59<br>30 | 70<br>36 | 74<br>42 | 59<br>44 | 48<br>32 | 43<br>26   | 48.<br>29. |
| ALLENTOWN GAS CO        | 43<br>25     | 36<br>28 | 50<br>30 | 63<br>35 | 52<br>39 | 68<br>41 | 48<br>39 | 61<br>33 | 35<br>29 | 41<br>24 | 34<br>20 | 45<br>22 | 55<br>29 | 40<br>31 | 43<br>34 | 52<br>34 | 40<br>16 | 33<br>15 | 42<br>19 | 38<br>29 | 48<br>25 | 46<br>29 | 44<br>30 | 37<br>33 | 46<br>35 | 45<br>29 | 59<br>37 | 70<br>41 | 75<br>45 | 60<br>36 | 48<br>27   | 48.<br>30. |
| ALTOONA HORSESHOE CURVE | 36<br>23     | 56<br>32 | 61<br>29 | 51<br>38 | 70<br>43 | 66<br>50 | 60<br>40 | 42<br>30 | 36<br>29 | 30<br>17 | 54<br>16 | 55<br>32 | 50<br>30 | 41<br>31 | 50<br>35 | 44<br>24 | 34<br>10 | 40<br>14 | 34<br>28 | 50<br>24 | 47<br>28 | 34<br>26 | 35<br>28 | 42<br>33 | 49<br>32 | 62<br>35 | 70<br>45 | 67<br>42 | 51<br>34 | 47<br>26 | 43<br>22   | 48.<br>29. |
| ARENOTSVILLE            | 45<br>26     | 38<br>30 | 51<br>26 | 65<br>34 | 51<br>44 | 70<br>45 | 65<br>45 | 65<br>35 | 42<br>32 | 41<br>24 | 33<br>19 | 54<br>27 | 62<br>34 | 39<br>33 | 46<br>33 | 55<br>32 | 40<br>17 | 35<br>15 | 42<br>27 | 39<br>29 | 50<br>24 | 47<br>28 | 34<br>30 | 37<br>32 | 52<br>33 | 52<br>32 | 61<br>35 | 73<br>40 | 75<br>42 | 60<br>32 | 50<br>27   | 50.<br>31. |
| BAKERSTOWN 3 WNW        | 32<br>28     | 48<br>29 | 61<br>35 | 60<br>37 | 66<br>51 | 71<br>58 | 62<br>39 | 48<br>34 | 42<br>30 | 30<br>20 | 55<br>15 | 55<br>26 | 51<br>38 | 50<br>39 | 50<br>35 | 49<br>24 | 34<br>11 | 50<br>21 | 49<br>37 | 51<br>42 | 51<br>27 | 47<br>26 | 35<br>35 | 34<br>34 | 47<br>29 | 51<br>31 | 64<br>46 | 74<br>50 | 56<br>36 | 52<br>24 | 45<br>27   | 52.<br>32. |
| BELLEFONTE 4 S          | 39<br>20     | 36<br>24 | 48<br>32 | 61<br>35 | 61<br>36 | 72<br>50 | 67<br>44 | 48<br>30 | 35<br>27 | 39<br>17 | 40<br>15 | 47<br>19 | 52<br>28 | 36<br>28 | 43<br>32 | 50<br>27 | 30<br>10 | 36<br>19 | 40<br>19 | 41<br>20 | 50<br>19 | 46<br>25 | 34<br>25 | 40<br>30 | 45<br>33 | 54<br>25 | 60<br>30 | 71<br>42 | 68<br>29 | 53<br>27 | 40<br>25   | 47.<br>27. |
| BERWICK                 | 36<br>24     | 50<br>27 | 63<br>27 | 61<br>35 | 68<br>41 | 65<br>48 | 57<br>42 | 52<br>34 | 39<br>28 | 35<br>19 | 41<br>17 | 49<br>23 | 48<br>30 | 40<br>32 | 51<br>27 | 47<br>26 | 44<br>14 | 43<br>13 | 47<br>24 | 42<br>27 | 37<br>24 | 40<br>24 | 46<br>30 | 40<br>33 | 45<br>36 | 59<br>41 | 73<br>46 | 62<br>33 | 62<br>31 | 55<br>25 | 47<br>29   | 50.<br>32. |
| BETHLEHEM LEHIGH UNIV   | 35<br>30     | 46<br>34 | 60<br>38 | 54<br>41 | 66<br>42 | 64<br>41 | 60<br>36 | 38<br>33 | 39<br>30 | 34<br>29 | 43<br>26 | 52<br>30 | 48<br>31 | 36<br>33 | 47<br>36 | 46<br>32 | 42<br>22 | 36<br>33 | 48<br>36 | 46<br>30 | 43<br>32 | 35<br>33 | 44<br>32 | 43<br>32 | 57<br>38 | 71<br>44 | 74<br>47 | 56<br>38 | 53<br>41 | 42<br>33 | 48.<br>34. |            |
| BLAIRSVILLE 6 ENE       | 34<br>30     | 42<br>28 | 56<br>35 | 54<br>43 | 63<br>55 | 67<br>55 | 57<br>34 | 39<br>31 | 30<br>22 | 24<br>16 | 50<br>15 | 51<br>27 | 44<br>32 | 41<br>32 | 45<br>31 | 38<br>18 | 45<br>8  | 49<br>22 | 41<br>34 | 46<br>23 | 39<br>31 | 35<br>29 | 32<br>29 | 38<br>32 | 47<br>27 | 60<br>31 | 76<br>43 | 62<br>47 | 48<br>30 | 46<br>26 | 37.<br>30. |            |
| BLOESVILLE 1 N          | 41<br>27     | 38<br>29 | 51<br>32 | 67<br>41 | 51<br>40 | 65<br>40 | 58<br>40 | 61<br>34 | 35<br>21 | 41<br>23 | 34<br>19 | 54<br>27 | 62<br>33 | 36<br>33 | 41<br>34 | 54<br>31 | 38<br>12 | 36<br>17 | 42<br>27 | 38<br>27 | 51<br>27 | 40<br>29 | 35<br>32 | 46<br>33 | 53<br>39 | 63<br>46 | 71<br>44 | 71<br>39 | 59<br>51 | 51<br>28 | 49.<br>31. |            |
| BRAEFORD FAA AIRPORT    | 31<br>17     | 41<br>24 | 53<br>35 | 53<br>33 | 64<br>48 | 64<br>48 | 54<br>47 | 32<br>26 | 31<br>27 | 18<br>9  | 37<br>30 | 38<br>19 | 32<br>28 | 38<br>31 | 36<br>27 | 27<br>11 | 26<br>4  | 39<br>8  | 34<br>17 | 40<br>23 | 43<br>19 | 33<br>29 | 35<br>31 | 35<br>31 | 40<br>29 | 53<br>30 | 61<br>42 | 62<br>36 | 41<br>27 | 36<br>18 | 41.<br>26. |            |
| BROOKVILLE FAA AIRPORT  | 34<br>20     | 45<br>30 | 58<br>33 | 57<br>34 | 65<br>53 | 69<br>56 | 57<br>29 | 35<br>30 | 33<br>21 | 24<br>12 | 48<br>7  | 46<br>27 | 38<br>32 | 48<br>35 | 48<br>29 | 33<br>15 | 43<br>10 | 33<br>17 | 42<br>17 | 38<br>27 | 49<br>21 | 42<br>31 | 39<br>32 | 39<br>31 | 40<br>29 | 50<br>40 | 60<br>45 | 66<br>40 | 44<br>25 | 44<br>18 | 45.<br>28. |            |
| BURGETTSTOWN 2 W        | 36<br>27     | 36<br>29 | 51<br>30 | 60<br>35 | 61<br>49 | 52<br>52 | 72<br>43 | 45<br>33 | 56<br>30 | 33<br>15 | 30<br>20 | 60<br>19 | 56<br>28 | 47<br>39 | 45<br>35 | 53<br>27 | 34<br>12 | 40<br>10 | 48<br>19 | 49<br>19 | 53<br>30 | 48<br>23 | 45<br>36 | 43<br>38 | 50<br>28 | 63<br>38 | 75<br>42 | 62<br>39 | 53<br>23 | 47<br>29 | 50.<br>32. |            |
| BURNT CABINS 2 NE       | 37<br>23     | 51<br>32 | 65<br>29 | 67<br>38 | 71<br>48 | 68<br>53 | 66<br>48 | 56<br>34 | 37<br>22 | 41<br>11 | 62<br>26 | 61<br>33 | 45<br>33 | 54<br>38 | 51<br>30 | 35<br>15 | 41<br>12 | 43<br>29 | 50<br>24 | 50<br>26 | 43<br>27 | 38<br>31 | 50<br>32 | 43<br>32 | 53<br>27 | 61<br>38 | 72<br>41 | 64<br>39 | 56<br>31 | 47<br>23 | 53.<br>29. |            |
| BUTLER                  | 38<br>25     | 35<br>31 | 50<br>34 | 61<br>36 | 66<br>44 | 66<br>44 | 70<br>41 | 42<br>32 | 46<br>31 | 33<br>20 | 27<br>15 | 37<br>10 | 55<br>21 | 44<br>36 | 48<br>36 | 49<br>24 | 30<br>12 | 30<br>12 | 43<br>18 | 49<br>18 | 52<br>12 | 44<br>30 | 46<br>34 | 47<br>39 | 52<br>44 | 64<br>38 | 73<br>41 | 63<br>36 | 52<br>24 | 46<br>19 | 48.<br>29. |            |
| CANTON 1 NW             | 34<br>20     | 30<br>20 | 45<br>25 | 58<br>35 | 46<br>35 | 69<br>40 | 55<br>35 | 45<br>35 | 33<br>24 | 35<br>13 | 48<br>9  | 63<br>10 | 41<br>25 | 33<br>26 | 37<br>32 | 45<br>25 | 29<br>8  | 25<br>8  | 29<br>7  | 39<br>10 | 34<br>20 | 40<br>19 | 36<br>20 | 40<br>29 | 46<br>30 | 38<br>27 | 65<br>40 | 75<br>35 | 67<br>42 | 56<br>28 | 38<br>20   | 42.<br>27. |
| CARLISLE                | 36<br>23     | 52<br>30 | 68<br>25 | 53<br>37 | 59<br>38 | 58<br>51 | 64<br>43 | 49<br>33 | 49<br>29 | 36<br>23 | 57<br>17 | 63<br>25 | 51<br>31 | 42<br>30 | 57<br>36 | 61<br>30 | 42<br>15 | 38<br>15 | 51<br>28 | 42<br>15 | 38<br>27 | 50<br>24 | 48<br>26 | 47<br>31 | 56<br>36 | 63<br>45 | 73<br>39 | 61<br>31 | 52<br>27 | 45<br>27 | 52.<br>30. |            |
| CHAMBERSBURG 1 ESE      | 38<br>26     | 50<br>32 | 67<br>29 | 51<br>40 | 69<br>43 | 63<br>48 | 64<br>48 | 46<br>32 | 39<br>21 | 34<br>25 | 56<br>18 | 64<br>27 | 47<br>34 | 46<br>33 | 55<br>36 | 44<br>26 | 38<br>16 | 43<br>16 | 39<br>28 | 50<br>28 | 48<br>27 | 34<br>28 | 36<br>28 | 45<br>31 | 54<br>35 | 61<br>42 | 72<br>49 | 60<br>34 | 51<br>27 | 41<br>27 | 50.<br>31. |            |
| CLARION 3 SW            | 29<br>19     | 42<br>24 | 55<br>27 | 51<br>29 | 63<br>43 | 63<br>47 | 59<br>42 | 33<br>30 | 33<br>27 | 30<br>23 | 23<br>14 | 45<br>5  | 43<br>22 | 41<br>31 | 41<br>31 | 33<br>18 | 41<br>5  | 33<br>13 | 41<br>29 | 33<br>16 | 45<br>25 | 46<br>30 | 46<br>28 | 37<br>31 | 36<br>30 | 56<br>26 | 69<br>45 | 54<br>34 | 45<br>22 | 40<br>15 | 38.<br>25. |            |
| CLAYSVILLE 3 W          | 38<br>30     | 51<br>28 | 63<br>35 | 58<br>35 | 66<br>56 | 73<br>53 | 62<br>41 | 57<br>33 | 48<br>27 | 34<br>22 | 61<br>16 | 60<br>21 | 47<br>40 | 50<br>40 | 52<br>36 | 45<br>24 | 35<br>14 | 48<br>14 | 46<br>34 | 53<br>18 | 46<br>31 | 53<br>28 | 48<br>31 | 52<br>36 | 54<br>35 | 64<br>42 | 79<br>54 | 66<br>39 | 53<br>28 | 49<br>24 | 53.<br>31. |            |
| COATESVILLE 1 SW        | 44<br>24     | 37<br>28 | 53<br>30 | 67<br>36 | 59<br>40 | 75<br>42 | 48<br>41 | 64<br>36 | 38<br>31 | 42<br>25 | 36<br>18 | 50<br>22 | 63<br>29 | 41<br>35 | 44<br>35 | 55<br>36 | 44<br>35 | 47<br>36 | 44<br>17 | 38<br>19 | 31<br>26 | 56<br>32 | 43<br>34 | 39<br>34 | 50<br>35 | 50<br>42 | 70<br>39 | 78<br>44 | 61<br>37 | 52<br>24 | 51.<br>27. |            |
| CONFLUENCE 1 SW OAM     | 38<br>32     | 38<br>32 | 47<br>27 | 62<br>36 | 64<br>43 | 65<br>45 | 73<br>45 | 54<br>37 | 40<br>30 | 32<br>20 | 49<br>13 | 58<br>18 | 61<br>32 | 41<br>35 | 47<br>37 | 50<br>27 | 32<br>14 | 47<br>15 | 50<br>27 | 42<br>27 | 51<br>29 | 45<br>29 | 40<br>32 | 37<br>32 | 51<br>31 | 63<br>34 | 50<br>40 | 72<br>43 | 65<br>37 | 52<br>28 | 46<br>24   | 49.<br>30. |
| CORRY                   | 34<br>20     | 48<br>24 | 57<br>40 | 50<br>35 | 63<br>45 | 65<br>43 | 62<br>38 | 37<br>23 | 43<br>23 | 24<br>13 | 39<br>8  | 41<br>21 | 37<br>30 | 42<br>33 | 40<br>32 | 35<br>17 | 26<br>4  | 45<br>13 | 38<br>19 | 46<br>19 | 45<br>27 | 46<br>31 | 45<br>33 | 41<br>33 | 40<br>29 | 47<br>35 | 66<br>42 | 59<br>33 | 62<br>33 | 39<br>25 | 45<br>16   | 45.<br>27. |
| COUERSPORT 3 NW         | 31<br>10     | 42<br>21 | 54<br>33 | 50<br>27 | 67<br>37 | 60<br>44 | 57<br>44 | 31<br>22 | 34<br>20 | 22<br>10 | 36<br>33 | 41<br>30 | 34<br>26 | 37<br>29 | 39<br>12 | 31<br>10 | 23<br>10 | 37<br>24 | 39<br>16 | 37<br>14 | 34<br>29 | 41<br>26 | 37<br>32 | 37<br>34 | 52<br>28 | 64<br>30 | 72<br>42 | 52<br>35 | 54<br>32 | 38<br>21 | 41.<br>27. |            |
| DEVAULT 1 W             | 41<br>25     | 50<br>32 | 64<br>36 | 58<br>39 | 73<br>39 | 61<br>40 | 64<br>39 | 40<br>31 | 41<br>28 | 34<br>24 | 47<br>19 | 59<br>29 | 40<br>31 | 39<br>34 | 54<br>37 | 45<br>25 | 40<br>17 | 43<br>12 | 46<br>26 | 40<br>29 | 48<br>26 | 36<br>29 | 48<br>30 | 48<br>34 | 37<br>32 | 59<br>42 | 74<br>41 | 59<br>43 | 50<br>31 | 45<br>27 | 50.<br>30. |            |
| OIXON                   | 37<br>20     | 34<br>22 | 47<br>26 | 62<br>28 | 46<br>30 | 71<br>42 | 53<br>38 | 30<br>26 | 35<br>27 | 40<br>17 | 28<br>13 | 37<br>13 | 43<br>24 | 36<br>37 | 38<br>35 | 50<br>36 | 35<br>26 | 37<br>18 | 46<br>17 | 35<br>17 | 46<br>10 | 36<br>24 | 43<br>32 | 50<br>36 | 46<br>36 | 63<br>43 | 70<br>38 | 73<br>41 | 57<br>30 | 42<br>20 | 45.<br>24. |            |
| OONEGAL                 | 32<br>28     | 42<br>28 | 56<br>32 | 54<br>36 | 60<br>48 | 68<br>48 | 52<br>36 | 38<br>24 | 34<br>18 | 24<br>10 | 50<br>6  | 50<br>22 | 38<br>18 | 40<br>32 | 42<br>30 | 28<br>8  | 40<br>20 | 28<br>20 | 48<br>28 | 36<br>22 | 48<br>28 | 36<br>22 | 46<br>28 | 48<br>28 | 54<br>44 | 58<br>48 | 70<br>46 | 60<br>36 | 44<br>32 | 36<br>20 | 44.<br>26. |            |
| DONORA                  | 41<br>30     | 51<br>27 | 67<br>35 | 63<br>40 | 68<br>50 | 76<br>52 | 66<br>41 | 51<br>33 | 43<br>26 | 36<br>18 | 63<br>17 | 61<br>25 | 55<br>35 | 49<br>35 | 53<br>33 | 49<br>23 | 38<br>11 | 51<br>21 | 49<br>33 | 56<br>22 | 56<br>19 | 51<br>33 | 48<br>22 | 47<br>32 | 56<br>35 | 67<br>48 | 72<br>58 | 55<br>48 | 54<br>33 | 53<br>30 | 55.<br>30. |            |
| DU BOIS 7 E             | 34<br>20     | 45<br>28 | 56<br>32 | 55<br>35 | 66<br>44 | 66<br>47 | 60<br>40 | 39<br>32 | 32<br>27 | 28<br>15 | 47<br>7  | 45<br>27 | 44<br>27 | 32<br>32 | 43<br>22 | 30<br>7  | 38<br>14 | 39<br>10 | 45<br>26 | 48<br>18 | 35<br>22 | 45<br>29 | 36<br>34 | 46<br>38 | 45<br>32 | 60<br>42 | 76<br>43 | 67<br>40 | 52<br>32 | 42<br>17 | 46.<br>27. |            |
| EAGLES MERE             | 31<br>18     | 28<br>10 | 40<br>22 | 55<br>33 | 43<br>36 | 63<br>40 | 53<br>25 | 47<br>24 | 30<br>10 | 32<br>6  | 23<br>10 | 32<br>6  | 40<br>25 | 32<br>21 | 43<br>31 | 30<br>5  | 32<br>5  | 43<br>21 | 30<br>24 | 36<br>5  | 42<br>22 | 40<br>18 | 42<br>22 | 31<br>27 | 40<br>28 | 51<br>29 | 63<br>33 | 66<br>45 | 52<br>49 | 40<br>15 | 39.<br>24. |            |
| EAST BRADY              | 42<br>28     | 51<br>32 | 64<br>32 | 62<br>35 | 68<br>44 | 72<br>47 | 67<br>40 | 44<br>32 | 37<br>29 | 31<br>21 | 56<br>13 | 54<br>26 | 46<br>36 | 49<br>37 | 51<br>37 | 47<br>26 | 36<br>14 | 50<br>18 | 43<br>35 | 42<br>22 | 36<br>19 | 50<br>35 | 55<br>38 | 46<br>40 | 43<br>33 | 60<br>42 | 73<br>48 | 58<br>43 | 52<br>34 | 49<br>21 | 52.<br>31. |            |
| EBENSBURG               | 34<br>20     | 42<br>27 | 57<br>29 | 53<br>37 | 63<br>50 | 68<br>49 | 56<br>35 | 35<br>28 | 33<br>21 | 26<br>13 | 50<br>10 | 52<br>27 | 44<br>27 | 42<br>29 | 45<br>31 | 37<br>19 | 30<br>6  | 40<br>15 | 45<br>27 | 46<br>21 | 46<br>25 | 48<br>30 | 38<br>25 | 35<br>26 | 38<br>27 | 60<br>45 | 72<br>51 | 63<br>44 | 48<br>30 | 39<br>23 | 45.<br>26. |            |
| EMPORIUM 1 N            | 36<br>26     | 33<br>26 | 43<br>28 | 56<br>30 | 58<br>32 | 68<br>50 | 64<br>38 | 42<br>26 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |            |            |

Continued

# DAILY TEMPERATURES

PENNSYLVANIA  
MARCH 1961

| Station                | Day Of Month      |            |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | Average      |              |
|------------------------|-------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|--------------|
|                        | 1                 | 2          | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31       |              |              |
|                        | FORD CITY 4 S DAM | MAX<br>MIN | 37<br>26 | 36<br>31 | 50<br>33 | 61<br>37 | 62<br>43 | 67<br>54 | 74<br>43 | 44<br>32 | 44<br>32 | 34<br>21 | 29<br>16 | 57<br>23 | 53<br>26 | 43<br>36 | 48<br>36 | 50<br>26 | 34<br>13 | 33<br>15 | 48<br>28 | 48<br>21 | 52<br>26 | 45<br>34 | 44<br>34 | 46<br>35 | 44<br>31 | 51<br>26 | 62<br>32 | 74<br>40 | 63<br>36 |              | 51<br>25     |
| FRANKLIN               | MAX<br>MIN        | 35<br>27   | 50<br>30 | 61<br>41 | 54<br>35 | 70<br>52 | 68<br>47 | 63<br>34 | 40<br>30 | 36<br>25 | 26<br>19 | 50<br>14 | 47<br>29 | 46<br>34 | 47<br>35 | 48<br>35 | 35<br>33 | 48<br>33 | 44<br>18 | 41<br>33 | 53<br>21 | 44<br>30 | 43<br>34 | 44<br>34 | 42<br>38 | 52<br>30 | 62<br>29 | 72<br>32 | 63<br>44 | 48<br>36 | 45<br>27 | 45<br>20     | 48.7<br>30.5 |
| FREELAND               | MAX<br>MIN        | 31<br>19   | 43<br>20 | 41<br>36 | 49<br>31 | 68<br>60 | 60<br>36 | 53<br>33 | 37<br>21 | 33<br>18 | 32<br>7  | 35<br>6  | 42<br>26 | 43<br>20 | 42<br>23 | 44<br>35 | 40<br>19 | 29<br>3  | 35<br>3  | 32<br>22 | 41<br>19 | 42<br>20 | 41<br>21 | 36<br>20 | 36<br>24 | 36<br>25 | 51<br>36 | 65<br>55 | 68<br>44 | 62<br>33 | 50<br>25 | 41<br>21     | 43.8<br>22.7 |
| GEORGE SCHOOL          | MAX<br>MIN        | 40<br>24   | 38<br>30 | 55<br>33 | 61<br>33 | 55<br>36 | 72<br>35 | 50<br>40 | 62<br>38 | 38<br>30 | 41<br>26 | 35<br>22 | 45<br>24 | 59<br>30 | 41<br>34 | 48<br>36 | 53<br>37 | 41<br>18 | 35<br>15 | 41<br>20 | 40<br>28 | 51<br>25 | 45<br>29 | 48<br>32 | 44<br>33 | 51<br>37 | 48<br>29 | 55<br>37 | 68<br>42 | 75<br>45 | 55<br>37 | 49<br>24     | 49.6<br>30.8 |
| GETTYSBURG             | MAX<br>MIN        | 43<br>26   | 41<br>31 | 51<br>35 | 68<br>42 | 54<br>45 | 71<br>47 | 67<br>47 | 66<br>36 | 37<br>32 | 40<br>25 | 34<br>24 | 56<br>30 | 65<br>35 | 42<br>34 | 47<br>37 | 56<br>33 | 40<br>19 | 44<br>17 | 43<br>30 | 51<br>41 | 51<br>26 | 47<br>29 | 35<br>31 | 37<br>32 | 51<br>37 | 58<br>29 | 63<br>37 | 73<br>42 | 73<br>45 | 61<br>37 | 51<br>24     | 51.6<br>33.3 |
| GRATERFORD 1 E         | MAX<br>MIN        | 42<br>22   | 36<br>23 | 51<br>32 | 63<br>34 | 55<br>35 | 73<br>39 | 47<br>39 | 61<br>34 | 35<br>29 | 42<br>25 | 35<br>17 | 46<br>20 | 58<br>26 | 40<br>32 | 53<br>35 | 42<br>35 | 44<br>32 | 44<br>15 | 43<br>22 | 41<br>30 | 35<br>24 | 43<br>29 | 37<br>30 | 49<br>32 | 45<br>29 | 43<br>31 | 47<br>37 | 57<br>48 | 58<br>43 | 48<br>38 | 23<br>29     | 48.7<br>29.2 |
| GREENVILLE             | MAX<br>MIN        | 38<br>26   | 52<br>28 | 62<br>32 | 57<br>38 | 67<br>49 | 68<br>44 | 65<br>34 | 45<br>28 | 38<br>25 | 29<br>19 | 48<br>13 | 48<br>27 | 42<br>35 | 44<br>36 | 47<br>32 | 38<br>21 | 36<br>12 | 50<br>18 | 41<br>35 | 55<br>20 | 54<br>33 | 48<br>35 | 46<br>35 | 41<br>35 | 51<br>28 | 64<br>38 | 72<br>38 | 66<br>46 | 49<br>35 | 44<br>26 | 47<br>19     | 50.1<br>30.2 |
| HANOVER                | MAX<br>MIN        | 42<br>27   | 37<br>34 | 52<br>32 | 69<br>41 | 56<br>40 | 71<br>55 | 64<br>59 | 68<br>45 | 39<br>41 | 41<br>34 | 57<br>55 | 57<br>60 | 66<br>42 | 43<br>55 | 46<br>37 | 58<br>43 | 42<br>24 | 39<br>18 | 45<br>39 | 40<br>51 | 53<br>48 | 50<br>37 | 36<br>36 | 49<br>49 | 54<br>43 | 63<br>37 | 73<br>43 | 75<br>59 | 55<br>49 | 49<br>41 | 32<br>33     | 52.5<br>32.5 |
| HARRISBURG WB AP       | MAX<br>MIN        | 35<br>27   | 51<br>34 | 67<br>32 | 52<br>41 | 59<br>40 | 55<br>55 | 59<br>43 | 45<br>33 | 41<br>31 | 34<br>25 | 55<br>22 | 60<br>28 | 42<br>33 | 44<br>34 | 55<br>42 | 43<br>24 | 37<br>18 | 20<br>20 | 39<br>32 | 51<br>32 | 48<br>28 | 37<br>35 | 36<br>34 | 49<br>35 | 54<br>35 | 63<br>37 | 73<br>43 | 59<br>43 | 50<br>36 | 41<br>30 | 30<br>22     | 50.0<br>33.0 |
| HAWLEY                 | MAX<br>MIN        | 33<br>16   | 34<br>21 | 46<br>25 | 60<br>28 | 47<br>29 | 70<br>36 | 45<br>26 | 51<br>26 | 31<br>24 | 38<br>19 | 27<br>11 | 37<br>15 | 44<br>24 | 34<br>28 | 35<br>31 | 48<br>28 | 36<br>9  | 26<br>6  | 42<br>11 | 35<br>22 | 45<br>28 | 44<br>34 | 43<br>34 | 34<br>37 | 46<br>33 | 39<br>25 | 52<br>30 | 69<br>30 | 73<br>40 | 54<br>31 | 40<br>21     | 43.8<br>24.1 |
| HOLTWOOD               | MAX<br>MIN        | 39<br>29   | 50<br>34 | 64<br>33 | 50<br>38 | 72<br>41 | 54<br>44 | 59<br>43 | 42<br>33 | 42<br>33 | 35<br>24 | 49<br>22 | 61<br>31 | 43<br>36 | 40<br>37 | 55<br>36 | 48<br>28 | 35<br>21 | 40<br>20 | 38<br>32 | 49<br>28 | 46<br>29 | 40<br>33 | 48<br>33 | 50<br>34 | 52<br>36 | 57<br>38 | 67<br>42 | 74<br>42 | 59<br>45 | 52<br>37 | 41<br>31     | 49.7<br>33.6 |
| HUNTINGOON             | MAX<br>MIN        | 47<br>26   | 38<br>27 | 50<br>26 | 65<br>26 | 50<br>39 | 74<br>48 | 70<br>51 | 51<br>35 | 33<br>33 | 40<br>24 | 50<br>17 | 57<br>16 | 56<br>28 | 39<br>33 | 44<br>34 | 53<br>32 | 45<br>15 | 33<br>14 | 45<br>13 | 34<br>25 | 53<br>23 | 48<br>29 | 35<br>30 | 39<br>32 | 45<br>35 | 50<br>29 | 64<br>33 | 73<br>33 | 72<br>38 | 57<br>32 | 22<br>22     | 49.6<br>29.0 |
| INDIANA 3 SE           | MAX<br>MIN        | 37<br>27   | 47<br>32 | 60<br>32 | 56<br>35 | 69<br>52 | 75<br>50 | 62<br>40 | 43<br>29 | 38<br>28 | 28<br>21 | 53<br>14 | 53<br>26 | 45<br>33 | 48<br>36 | 43<br>23 | 44<br>34 | 37<br>12 | 44<br>11 | 48<br>34 | 53<br>47 | 46<br>37 | 40<br>34 | 44<br>34 | 43<br>37 | 51<br>32 | 61<br>25 | 75<br>35 | 65<br>52 | 47<br>47 | 43<br>33 | 30<br>21     | 50.3<br>30.1 |
| JAMESTOWN 2 NW         | MAX<br>MIN        | 41<br>26   | 36<br>26 | 50<br>34 | 59<br>37 | 61<br>45 | 67<br>50 | 68<br>43 | 37<br>33 | 45<br>31 | 31<br>18 | 25<br>22 | 45<br>28 | 43<br>33 | 44<br>35 | 43<br>23 | 44<br>23 | 28<br>11 | 29<br>15 | 48<br>26 | 39<br>31 | 50<br>31 | 44<br>34 | 45<br>33 | 45<br>37 | 47<br>25 | 48<br>26 | 62<br>35 | 73<br>46 | 59<br>47 | 41<br>35 | 46<br>28     | 46.3<br>28.5 |
| JOHNSTOWN              | MAX<br>MIN        | 43<br>32   | 38<br>33 | 49<br>31 | 62<br>30 | 62<br>43 | 69<br>50 | 69<br>45 | 49<br>36 | 38<br>33 | 28<br>18 | 52<br>15 | 52<br>25 | 57<br>38 | 39<br>35 | 46<br>34 | 49<br>27 | 30<br>14 | 35<br>18 | 49<br>22 | 46<br>29 | 54<br>34 | 49<br>31 | 46<br>28 | 54<br>34 | 43<br>30 | 50<br>35 | 63<br>40 | 76<br>47 | 67<br>50 | 47<br>48 | 31<br>27     | 48.7<br>31.5 |
| KANE 1 NNE             | MAX<br>MIN        | 37<br>15   | 33<br>26 | 45<br>30 | 56<br>29 | 55<br>35 | 67<br>42 | 65<br>40 | 36<br>26 | 33<br>29 | 23<br>13 | 23<br>7  | 40<br>12 | 43<br>29 | 35<br>30 | 39<br>32 | 40<br>22 | 27<br>4  | 42<br>6  | 42<br>15 | 37<br>16 | 44<br>21 | 44<br>30 | 36<br>30 | 36<br>31 | 44<br>37 | 46<br>26 | 56<br>32 | 70<br>35 | 63<br>46 | 40<br>23 | 42<br>13     | 42.9<br>24.1 |
| KEGG                   | MAX<br>MIN        | 39<br>32   | 48<br>31 | 64<br>28 | 55<br>39 | 69<br>51 | 71<br>60 | 60<br>36 | 40<br>33 | 34<br>25 | 30<br>21 | 58<br>19 | 62<br>34 | 45<br>34 | 48<br>35 | 46<br>34 | 42<br>20 | 36<br>15 | 43<br>14 | 41<br>32 | 52<br>25 | 42<br>27 | 33<br>28 | 40<br>31 | 45<br>29 | 52<br>30 | 63<br>34 | 74<br>42 | 68<br>42 | 55<br>38 | 40<br>26 | 40<br>26     | 49.8<br>30.8 |
| LANCASTER 2NE PUMP STA | MAX<br>MIN        | 38<br>24   | 53<br>29 | 66<br>31 | 58<br>33 | 72<br>39 | 68<br>46 | 62<br>41 | 59<br>35 | 43<br>30 | 43<br>25 | 63<br>18 | 63<br>25 | 48<br>33 | 40<br>34 | 52<br>34 | 39<br>35 | 54<br>18 | 42<br>15 | 42<br>29 | 49<br>23 | 51<br>30 | 46<br>30 | 38<br>31 | 52<br>33 | 55<br>39 | 62<br>27 | 70<br>42 | 75<br>38 | 71<br>42 | 58<br>35 | 48<br>25     | 53.8<br>30.9 |
| LANOISVILLE 2 NW       | MAX<br>MIN        | 42<br>25   | 35<br>30 | 51<br>26 | 64<br>34 | 54<br>40 | 67<br>54 | 55<br>42 | 35<br>31 | 38<br>25 | 42<br>18 | 34<br>11 | 49<br>25 | 60<br>28 | 39<br>33 | 44<br>35 | 54<br>32 | 42<br>16 | 34<br>16 | 41<br>21 | 37<br>29 | 49<br>23 | 47<br>31 | 39<br>32 | 36<br>33 | 50<br>34 | 52<br>32 | 59<br>38 | 68<br>42 | 73<br>46 | 57<br>35 | 48<br>22     | 49.0<br>30.2 |
| LAWRENCEVILLE 2 S      | MAX<br>MIN        | 34<br>19   | 39<br>24 | 60<br>30 | 45<br>29 | 72<br>38 | 59<br>38 | 55<br>34 | 40<br>27 | 37<br>17 | 40<br>17 | 34<br>10 | 44<br>34 | 45<br>33 | 41<br>33 | 45<br>37 | 40<br>20 | 9<br>5   | 5<br>5   | 40<br>28 | 42<br>17 | 49<br>25 | 41<br>25 | 40<br>31 | 43<br>32 | 45<br>35 | 56<br>22 | 71<br>37 | 70<br>39 | 59<br>43 | 46<br>33 | 46<br>17     | 46.2<br>26.8 |
| LEBANON 3 W            | MAX<br>MIN        | 42<br>23   | 35<br>29 | 52<br>27 | 65<br>30 | 53<br>39 | 64<br>54 | 53<br>41 | 60<br>35 | 36<br>24 | 43<br>24 | 53<br>17 | 53<br>25 | 59<br>31 | 39<br>32 | 44<br>35 | 54<br>33 | 42<br>17 | 42<br>11 | 44<br>26 | 37<br>25 | 52<br>32 | 49<br>29 | 39<br>31 | 36<br>32 | 49<br>34 | 54<br>31 | 61<br>32 | 71<br>35 | 73<br>40 | 59<br>47 | 51<br>29     | 49.6<br>29.8 |
| LEWISTOWN              | MAX<br>MIN        | 41<br>27   | 38<br>27 | 51<br>28 | 67<br>28 | 47<br>39 | 75<br>46 | 63<br>45 | 58<br>36 | 38<br>32 | 40<br>25 | 34<br>22 | 51<br>22 | 56<br>30 | 38<br>35 | 47<br>36 | 55<br>38 | 37<br>18 | 38<br>17 | 45<br>29 | 40<br>29 | 51<br>33 | 49<br>29 | 35<br>33 | 37<br>34 | 46<br>34 | 54<br>31 | 63<br>37 | 74<br>38 | 73<br>40 | 59<br>43 | 51<br>29     | 50.0<br>30.7 |
| LOCK HAVEN             | MAX<br>MIN        | 39<br>25   | 34<br>26 | 50<br>27 | 62<br>28 | 44<br>39 | 72<br>46 | 69<br>47 | 53<br>33 | 34<br>21 | 42<br>17 | 33<br>10 | 40<br>24 | 53<br>29 | 35<br>30 | 41<br>34 | 50<br>29 | 36<br>13 | 45<br>13 | 46<br>18 | 37<br>22 | 50<br>23 | 46<br>25 | 37<br>32 | 36<br>32 | 43<br>34 | 53<br>26 | 62<br>32 | 73<br>36 | 71<br>40 | 58<br>30 | 40<br>22     | 48.1<br>28.2 |
| MAORA                  | MAX<br>MIN        | 36<br>29   | 34<br>29 | 44<br>30 | 57<br>33 | 58<br>36 | 69<br>54 | 70<br>44 | 45<br>30 | 34<br>25 | 49<br>11 | 52<br>12 | 49<br>28 | 47<br>28 | 35<br>31 | 42<br>35 | 47<br>26 | 30<br>10 | 30<br>10 | 43<br>16 | 36<br>20 | 47<br>20 | 44<br>27 | 33<br>29 | 37<br>30 | 41<br>33 | 49<br>28 | 60<br>30 | 70<br>35 | 67<br>43 | 49<br>35 | 22<br>19     | 45.4<br>26.7 |
| MARCUS HOOK            | MAX<br>MIN        | 40<br>33   | 56<br>36 | 59<br>38 | 55<br>42 | 67<br>42 | 69<br>43 | 66<br>43 | 46<br>36 | 45<br>33 | 38<br>28 | 45<br>26 | 61<br>34 | 44<br>38 | 42<br>40 | 52<br>40 | 48<br>28 | 38<br>20 | 41<br>20 | 40<br>34 | 54<br>35 | 50<br>34 | 45<br>34 | 40<br>36 | 52<br>38 | 54<br>39 | 60<br>37 | 66<br>45 | 75<br>47 | 62<br>44 | 52<br>39 | 45<br>35     | 51.5<br>36.0 |
| MARTINSBURG FAA AP     | MAX<br>MIN        | 35<br>26   | 45<br>33 | 59<br>35 | 53<br>43 | 68<br>54 | 70<br>54 | 59<br>37 | 38<br>31 | 34<br>24 | 26<br>19 | 55<br>15 | 56<br>30 | 42<br>31 | 43<br>33 | 46<br>35 | 35<br>23 | 40<br>17 | 40<br>17 | 36<br>27 | 48<br>30 | 41<br>28 | 32<br>27 | 39<br>30 | 39<br>32 | 48<br>33 | 60<br>32 | 71<br>37 | 65<br>45 | 51<br>35 | 46<br>26 | 38<br>26     | 46.8<br>30.8 |
| MEADVILLE 1 S          | MAX<br>MIN        | 39<br>25   | 34<br>30 | 50<br>33 | 59<br>35 | 60<br>41 | 66<br>44 | 67<br>32 | 36<br>29 | 42<br>18 | 33<br>11 | 44<br>18 | 42<br>32 | 42<br>36 | 43<br>33 | 44<br>23 | 27<br>9  | 28<br>13 | 46<br>26 | 39<br>20 | 48<br>28 | 42<br>34 | 44<br>34 | 43<br>36 | 37<br>29 | 49<br>28 | 61<br>36 | 72<br>43 | 60<br>35 | 45<br>25 | 41<br>18 | 45.5<br>28.4 |              |
| MERCER 2 NNE           | MAX<br>MIN        | 39<br>24   | 50<br>19 | 60<br>36 | 53<br>35 | 69<br>50 | 66<br>45 | 63<br>32 | 44<br>30 | 38<br>29 | 28<br>17 | 49<br>8  | 46<br>24 | 43<br>28 | 45<br>28 | 47<br>30 | 42<br>21 | 30<br>9  | 47<br>13 | 43<br>32 | 50<br>17 | 49<br>31 | 44<br>33 | 46<br>24 | 42<br>33 | 49<br>24 | 60<br>25 | 73<br>32 | 68<br>33 | 68<br>42 | 44<br>31 | 44<br>26     | 49.0<br>26.8 |
| MERCERSBURG            | MAX<br>MIN        | 43<br>28   | 44<br>32 | 53<br>26 | 70<br>39 | 51<br>43 | 71<br>50 | 64<br>41 | 66<br>35 | 38<br>32 | 39<br>25 | 39<br>19 | 60<br>29 | 67<br>34 | 38<br>33 | 47<br>35 | 57<br>33 | 40<br>18 | 41<br>15 | 44<br>27 | 38<br>28 | 55<br>27 | 48<br>28 | 35<br>30 | 39<br>32 | 45<br>34 | 54<br>30 | 64<br>32 | 72<br>39 | 73<br>42 | 61<br>34 | 52<br>26     | 51.9<br>31.5 |
| MIOLAND OAM 7          | MAX<br>MIN        | 39<br>32   | 52<br>30 | 60<br>40 | 58<br>43 | 66<br>56 | 72<br>54 | 56<br>38 | 52<br>37 | 26<br>26 | 29<br>22 | 55<br>29 | 46<br>40 | 48<br>41 | 52<br>38 | 39<br>19 | 32<br>16 | 49<br>22 | 50<br>32 | 50<br>27 | 45<br>37 | 51<br>39 | 50<br>39 | 45<br>33 | 53<br>33 | 65<br>42 | 74<br>36 | 68<br>46 | 55<br>35 | 45<br>27 | 47<br>28 | 51.6<br>34.2 |              |
| MILLVILLE 2 SW         | MAX<br>MIN        | 38<br>22   | 33<br>25 | 46<br>26 | 60<br>39 | 46<br>43 | 59<br>50 | 54<br>43 | 51<br>30 | 33<br>27 | 36<br>18 | 29<br>12 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |

Continued

## DAILY TEMPERATURES

PENNSYLVANIA  
MARCH 1961

| Station                 | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                         | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |
| NORRISTOWN              | MAX          | 39 | 52 | 65 | 59 | 75 | 59 | 65 | 43 | 44 | 37 | 48 | 61 | 42 | 40 | 54 | 43 | 37 | 45 | 38 | 52 | 47 | 44 | 40 | 50 | 49 | 60 | 70 | 76 | 61 | 53 | 46      | 51.4 |
|                         | MIN          | 29 | 33 | 37 | 38 | 40 | 41 | 40 | 33 | 31 | 27 | 23 | 28 | 34 | 36 | 39 | 26 | 20 | 17 | 32 | 32 | 29 | 32 | 34 | 35 | 36 | 30 | 40 | 44 | 47 | 37 | 30      | 33.2 |
| PALMERTON               | MAX          | 34 | 50 | 63 | 51 | 69 | 60 | 59 | 35 | 41 | 32 | 42 | 50 | 38 | 35 | 51 | 38 | 30 | 41 | 37 | 46 | 45 | 43 | 35 | 45 | 42 | 57 | 69 | 74 | 59 | 48 | 42      | 47.1 |
|                         | MIN          | 22 | 31 | 30 | 33 | 40 | 40 | 35 | 29 | 28 | 21 | 19 | 24 | 31 | 33 | 35 | 20 | 16 | 11 | 31 | 27 | 20 | 29 | 30 | 33 | 30 | 27 | 36 | 42 | 43 | 32 | 26      | 29.2 |
| PHIL OREXEL INST OF TEC | MAX          | 38 | 50 | 59 | 59 | 68 | 59 | 65 | 44 | 42 | 39 | 47 | 61 | 42 | 40 | 52 | 48 | 43 | 46 | 38 | 55 | 53 | 48 | 41 | 55 | 53 | 61 | 68 | 78 | 63 | 54 | 46      | 52.1 |
|                         | MIN          | 30 | 32 | 37 | 38 | 39 | 43 | 40 | 33 | 32 | 26 | 28 | 26 | 38 | 36 | 39 | 29 | 26 | 30 | 33 | 33 | 35 | 35 | 35 | 40 | 38 | 35 | 42 | 47 | 48 | 40 | 34      | 35.4 |
| PHILADELPHIA WB AP      | MAX          | 38 | 51 | 60 | 61 | 68 | 57 | 64 | 45 | 42 | 36 | 46 | 60 | 42 | 41 | 51 | 47 | 37 | 44 | 39 | 53 | 50 | 47 | 41 | 53 | 51 | 61 | 71 | 79 | 63 | 55 | 48      | 51.6 |
|                         | MIN          | 28 | 33 | 35 | 39 | 41 | 41 | 41 | 34 | 31 | 27 | 22 | 26 | 35 | 37 | 39 | 30 | 25 | 22 | 34 | 35 | 32 | 34 | 36 | 38 | 41 | 32 | 39 | 45 | 47 | 39 | 33      | 34.5 |
| PHILADELPHIA PT BREEZE  | MAX          | 40 | 52 | 60 | 61 | 68 | 58 | 66 | 46 | 44 | 37 | 48 | 62 | 44 | 42 | 54 | 49 | 38 | 47 | 42 | 53 | 50 | 47 | 41 | 52 | 52 | 62 | 67 | 76 | 61 | 53 | 46      | 52.2 |
|                         | MIN          | 36 | 36 | 40 | 41 | 42 | 42 | 42 | 36 | 34 | 29 | 26 | 37 | 39 | 39 | 42 | 28 | 22 | 23 | 36 | 38 | 34 | 35 | 37 | 38 | 43 | 39 | 50 | 48 | 47 | 40 | 36      | 37.3 |
| PHILIPSBURG FAA AP      | MAX          | 32 | 42 | 55 | 50 | 66 | 61 | 55 | 31 | 31 | 21 | 42 | 45 | 34 | 39 | 44 | 30 | 30 | 36 | 32 | 45 | 40 | 31 | 32 | 39 | 45 | 57 | 65 | 64 | 48 | 44 | 37      | 42.7 |
|                         | MIN          | 15 | 29 | 31 | 30 | 42 | 52 | 30 | 28 | 20 | 14 | 9  | 28 | 28 | 30 | 30 | 14 | 8  | 13 | 26 | 21 | 25 | 24 | 28 | 31 | 31 | 29 | 38 | 41 | 33 | 24 | 16      | 26.4 |
| PHOENIXVILLE 1 E        | MAX          | 37 | 52 | 64 | 60 | 74 | 71 | 64 | 59 | 44 | 40 | 48 | 60 | 55 | 39 | 54 | 52 | 43 | 40 | 45 | 50 | 47 | 46 | 42 | 50 | 48 | 59 | 68 | 76 | 72 | 59 | 50      | 53.8 |
|                         | MIN          | 22 | 30 | 32 | 32 | 39 | 40 | 38 | 29 | 29 | 25 | 20 | 28 | 31 | 34 | 36 | 35 | 14 | 21 | 30 | 30 | 21 | 30 | 30 | 32 | 40 | 24 | 39 | 39 | 34 | 39 | 23      | 30.5 |
| PITTSBURGH WB AP 2      | MAX          | 32 | 49 | 60 | 58 | 65 | 69 | 58 | 50 | 41 | 29 | 58 | 54 | 44 | 45 | 50 | 34 | 33 | 47 | 47 | 52 | 42 | 47 | 47 | 44 | 51 | 62 | 74 | 61 | 51 | 47 | 42      | 49.8 |
|                         | MIN          | 30 | 27 | 40 | 46 | 55 | 54 | 34 | 35 | 26 | 20 | 18 | 26 | 38 | 38 | 34 | 19 | 14 | 24 | 30 | 25 | 37 | 36 | 36 | 36 | 31 | 31 | 45 | 43 | 33 | 25 | 27      | 32.7 |
| PITTSBURGH WB CITY      | MAX          | 40 | 51 | 63 | 61 | 67 | 72 | 61 | 50 | 45 | 30 | 59 | 55 | 46 | 49 | 53 | 36 | 34 | 49 | 50 | 52 | 45 | 49 | 49 | 47 | 53 | 62 | 74 | 64 | 53 | 48 | 46      | 52.0 |
|                         | MIN          | 35 | 34 | 44 | 49 | 60 | 60 | 38 | 38 | 27 | 22 | 24 | 35 | 39 | 41 | 36 | 21 | 17 | 25 | 35 | 29 | 38 | 37 | 39 | 40 | 46 | 36 | 44 | 46 | 38 | 32 | 31      | 36.3 |
| PLEASANT MOUNT 1 W      | MAX          | 33 | 30 | 40 | 54 | 45 | 63 | 43 | 43 | 28 | 33 | 20 | 32 | 37 | 30 | 34 | 43 | 31 | 19 | 39 | 34 | 37 | 41 | 42 | 38 | 40 | 34 | 44 | 63 | 65 | 45 | 32      | 38.9 |
|                         | MIN          | 11 | 21 | 26 | 22 | 32 | 34 | 34 | 24 | 21 | 13 | 5  | 6  | 22 | 26 | 27 | 23 | 2  | 0  | 2  | 20 | 8  | 12 | 25 | 29 | 28 | 19 | 27 | 30 | 34 | 25 | 18      | 20.2 |
| PORT CLINTON            | MAX          | 42 | 36 | 52 | 60 | 50 | 65 | 49 | 60 | 35 | 42 | 35 | 47 | 55 | 39 | 41 | 54 | 44 | 36 | 43 | 36 | 51 | 47 | 42 | 36 | 47 | 49 | 60 | 74 | 75 | 61 | 50      | 48.8 |
|                         | MIN          | 19 | 25 | 26 | 30 | 35 | 36 | 36 | 29 | 25 | 19 | 15 | 19 | 22 | 28 | 31 | 29 | 13 | 8  | 20 | 23 | 16 | 28 | 27 | 29 | 31 | 26 | 34 | 45 | 40 | 27 | 18      | 26.0 |
| PUTNEYVILLE 2 SE DAM    | MAX          | 37 | 35 | 42 | 60 | 60 | 68 | 71 | 50 | 39 | 33 | 21 | 53 | 49 | 28 | 38 | 47 | 50 | 32 | 32 | 46 | 43 | 57 | 44 | 40 | 42 | 50 | 60 | 73 | 63 | 51 | 45      | 47.5 |
|                         | MIN          | 20 | 26 | 28 | 32 | 37 | 52 | 37 | 26 | 27 | 15 | 8  | 14 | 23 | 30 | 30 | 21 | 7  | 10 | 20 | 17 | 22 | 28 | 28 | 28 | 27 | 23 | 29 | 36 | 31 | 20 | 15      | 24.7 |
| QUAKERTOWN 1 E          | MAX          | 35 | 50 | 62 | 61 | 71 | 69 | 61 | 57 | 40 | 39 | 49 | 55 | 51 | 37 | 52 | 50 | 36 | 42 | 40 | 48 | 48 | 45 | 40 | 47 | 46 | 59 | 69 | 75 | 70 | 59 | 50      | 52.0 |
|                         | MIN          | 22 | 32 | 34 | 32 | 37 | 39 | 37 | 30 | 27 | 23 | 20 | 33 | 32 | 31 | 34 | 34 | 16 | 12 | 32 | 30 | 22 | 28 | 30 | 34 | 38 | 30 | 36 | 38 | 45 | 36 | 33      | 30.5 |
| READING WB CITY         | MAX          | 36 | 52 | 65 | 54 | 70 | 61 | 62 | 42 | 43 | 35 | 48 | 59 | 41 | 41 | 53 | 44 | 37 | 45 | 38 | 52 | 48 | 41 | 38 | 49 | 50 | 61 | 71 | 76 | 59 | 50 | 45      | 50.5 |
|                         | MIN          | 28 | 33 | 40 | 40 | 42 | 43 | 42 | 33 | 32 | 25 | 24 | 31 | 34 | 36 | 41 | 24 | 17 | 19 | 32 | 32 | 17 | 32 | 33 | 36 | 37 | 35 | 40 | 46 | 46 | 38 | 29      | 33.9 |
| RENUVO                  | MAX          | 39 | 35 | 50 | 65 | 45 | 75 | 68 | 53 | 36 | 41 | 33 | 45 | 55 | 37 | 44 | 50 | 39 | 37 | 46 | 39 | 53 | 52 | 37 | 39 | 45 | 54 | 64 | 76 | 72 | 62 | 51      | 49.6 |
|                         | MIN          | 24 | 27 | 28 | 29 | 36 | 44 | 48 | 34 | 32 | 20 | 19 | 19 | 31 | 31 | 36 | 31 | 14 | 14 | 16 | 24 | 24 | 27 | 32 | 33 | 36 | 27 | 28 | 33 | 41 | 33 | 22      | 28.8 |
| RIOGWAY 3 W             | MAX          | 38 | 45 | 57 | 57 | 69 | 69 | 61 | 40 | 35 | 27 | 46 | 45 | 44 | 42 | 44 | 39 | 31 | 42 | 42 | 47 | 46 | 40 | 37 | 39 | 47 | 59 | 72 | 69 | 57 | 46 | 42      | 47.5 |
|                         | MIN          | 16 | 27 | 31 | 28 | 43 | 46 | 36 | 26 | 27 | 16 | 7  | 30 | 30 | 33 | 33 | 21 | 4  | 10 | 32 | 17 | 22 | 31 | 32 | 34 | 37 | 51 | 59 | 72 | 69 | 57 | 46      | 26.6 |
| SALINA 3 W              | MAX          | 37 | 47 | 60 | 58 | 66 | 72 | 63 | 45 | 39 | 29 | 56 | 55 | 51 | 47 | 50 | 45 | 33 | 48 | 49 | 51 | 48 | 44 | 45 | 44 | 50 | 61 | 71 | 69 | 52 | 49 | 44      | 50.9 |
|                         | MIN          | 28 | 32 | 40 | 37 | 54 | 50 | 40 | 32 | 28 | 14 | 25 | 28 | 37 | 37 | 35 | 20 | 14 | 18 | 35 | 22 | 31 | 34 | 35 | 37 | 32 | 26 | 35 | 43 | 36 | 21 | 13      | 31.1 |
| SCRANTON                | MAX          | 44 | 37 | 49 | 64 | 52 | 66 | 47 | 49 | 35 | 37 | 27 | 36 | 43 | 36 | 40 | 49 | 34 | 26 | 48 | 36 | 44 | 50 | 48 | 38 | 42 | 38 | 51 | 72 | 72 | 56 | 34      | 45.2 |
|                         | MIN          | 25 | 25 | 32 | 35 | 35 | 43 | 41 | 30 | 26 | 18 | 13 | 14 | 29 | 31 | 33 | 10 | 10 | 10 | 11 | 27 | 22 | 23 | 31 | 34 | 35 | 30 | 32 | 36 | 42 | 32 | 32      | 28.0 |
| SCRANTON WB AIRPORT     | MAX          | 34 | 45 | 60 | 48 | 64 | 53 | 49 | 34 | 34 | 26 | 33 | 40 | 35 | 35 | 46 | 33 | 24 | 44 | 34 | 41 | 46 | 43 | 34 | 38 | 35 | 50 | 69 | 70 | 52 | 38 | 46      | 43.0 |
|                         | MIN          | 23 | 30 | 34 | 34 | 39 | 41 | 32 | 26 | 24 | 14 | 12 | 26 | 27 | 32 | 33 | 15 | 9  | 7  | 28 | 25 | 19 | 28 | 30 | 32 | 31 | 28 | 34 | 43 | 36 | 27 | 20      | 27.1 |
| SHIPPENSBURG            | MAX          | 38 | 52 | 67 | 65 | 65 | 65 | 63 | 55 | 38 | 36 | 56 | 64 | 61 | 42 | 54 | 53 | 39 | 44 | 39 | 53 | 52 | 43 | 37 | 45 | 55 | 63 | 73 | 70 | 60 | 57 | 50      | 53.4 |
|                         | MIN          | 25 | 28 | 30 | 40 | 40 | 52 | 40 | 33 | 31 | 23 | 22 | 29 | 33 | 32 | 40 | 32 | 17 | 16 | 31 | 28 | 25 | 28 | 31 | 32 | 32 | 33 | 35 | 40 | 40 | 33 | 28      | 31.6 |
| SLIPPERY ROCK           | MAX          | 35 | 48 | 60 | 54 | 65 | 66 | 63 | 45 | 37 | 29 | 52 | 50 | 43 | 45 | 50 | 41 | 33 | 46 | 44 | 52 | 44 | 45 | 45 | 41 | 52 | 62 | 73 | 66 | 52 | 46 | 43      | 49.3 |
|                         | MIN          | 30 | 31 | 41 | 42 | 52 | 54 | 35 | 31 | 24 | 15 | 15 | 29 | 35 | 36 | 34 | 22 | 12 | 20 | 28 | 20 | 34 | 34 | 34 | 35 | 29 | 30 | 40 | 51 | 35 | 24 | 23      | 31.6 |
| STATE COLLEGE           | MAX          | 38 | 35 | 46 | 60 | 58 | 71 | 65 | 49 | 34 | 36 | 27 | 47 | 51 | 35 | 42 | 47 | 31 | 33 | 40 | 36 | 49 | 44 | 33 | 36 | 45 | 50 | 59 | 70 | 69 | 52 | 45      | 46.2 |
|                         | MIN          | 25 | 25 | 32 | 40 | 40 | 54 | 48 | 33 | 30 | 19 | 16 | 18 | 31 | 30 | 33 | 27 | 12 | 12 | 16 | 28 | 27 | 27 | 27 | 30 | 31 | 34 | 37 | 37 | 36 | 29 | 26      | 29.4 |
| STROUSBURG              | MAX          | 33 | 50 | 62 | 51 | 70 | 55 | 57 | 35 | 40 | 27 | 38 | 50 | 38 | 36 | 50 | 36 | 26 | 37 | 35 | 44 | 48 | 45 | 34 | 46 | 44 | 58 | 70 | 77 | 54 | 45 | 44      | 46.3 |
|                         | MIN          | 18 | 28 | 25 | 28 | 36 | 36 | 35 | 25 | 25 | 15 | 7  | 20 | 25 | 31 | 29 | 18 | 9  | 6  | 30 | 24 | 17 | 25 | 29 | 31 | 23 | 25 | 32 | 37 | 42 | 29 | 20      | 25.3 |
| SUNBURY                 | MAX          | 42 | 35 | 51 | 65 | 48 | 65 | 59 | 58 | 36 | 41 | 35 | 50 | 53 | 38 | 38 | 50 | 39 | 36 | 46 | 37 | 51 | 52 | 42 | 36 | 45 | 52 | 62 | 72 | 65 | 59 | 52      | 48.7 |
|                         | MIN          | 23 | 24 | 31 | 36 | 40 | 44 | 44 | 34 | 29 | 22 | 19 | 20 | 25 | 30 | 33 | 30 | 14 | 13 | 13 | 27 | 20 | 23 | 31 | 32 | 35 | 29 | 32 | 33 | 42 | 32 | 23      | 28.5 |
| TIONESTA 2 SE OAM       | MAX          | 40 | 34 | 48 | 58 | 60 | 69 | 67 | 38 | 37 | 34 | 23 | 46 | 44 | 38 | 45 | 45 | 27 | 30 | 47 | 40 | 51 | 45 | 40 | 42 | 39 | 49 | 60 | 73 | 64 | 47 | 41      | 45.8 |
|                         |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |



# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
MARCH 1961

| Station                 | Day of month |    |   |   |   |   |   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
|-------------------------|--------------|----|---|---|---|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|----|
|                         | 1            | 2  | 3 | 4 | 5 | 6 | 7 | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 24  | 25  | 26 | 27 | 28 | 29 | 30 | 31 |    |     |     |    |
| ALLENTOWN WB AIRPORT    | .4           |    |   |   |   |   |   | 2.3 | .1  | T   | T   |     | .2  |     | T   |     |    |    |    |    |    |    | 1.1 | T   |     |    |    |    |    |    |    |    | .9  |     |    |
| AUSTINBURG 2 W          |              | T  | T | T |   |   |   | 3.0 | 1.0 |     |     | 2   | 1   | 1   | 1.0 | T   | T  | T  | T  | T  |    | T  | T   | T   | T   | T  | T  |    |    |    | T  |    |     |     |    |
| BRADFORD FAA AIRPORT    | T            | T  | T |   |   |   |   | 5.0 | 1.0 | .4  | T   | 1.3 | 1   | 2   | 2.0 | .8  | T  | T  | T  | T  | T  | 1  | T   | T   | T   | T  | T  |    | T  | T  |    |    |     |     |    |
| BROOKVILLE FAA AIRPORT  | T            | T  | 2 | 1 | T |   |   | 3.0 | 1.0 | T   | 3   | 3   | T   | T   | T   |     |    |    |    |    |    | T  | T   |     |     |    |    |    |    |    |    | T  |     |     |    |
| CANTON 1 NW             | 1.8          | 2  | 2 |   |   |   |   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    | 1.2 | 1   | 1   |    |    |    |    |    |    |    |     |     |    |
| CARLISLE                |              |    |   |   |   |   |   | T   | .5  |     |     |     |     |     |     |     |    |    |    |    |    |    | 1.0 | 1   |     |    |    |    |    |    |    |    | 1.0 |     |    |
| CARROLLTOWN 2 SSE       | 2.0          | T  | T | T |   |   |   | T   | 3.0 | 1.0 | T   | 4   | T   | T   | .1  | T   | T  | T  | T  |    | .1 |    | T   | 3.0 | 1   |    |    |    |    |    |    |    |     |     |    |
| CORRY                   | T            | T  |   |   |   |   |   | .5  | 3.5 | 2.0 | 1.0 |     | 1.0 |     | .5  | 2.0 | .5 |    |    |    |    |    |     |     |     |    |    |    |    |    |    | .3 | T   |     |    |
| DONEGAL                 | T            |    |   |   |   |   |   | T   |     | T   |     |     |     |     |     | T   | T  |    |    |    |    | T  | T   |     |     |    |    |    |    |    |    |    | T   |     |    |
| DU BOIS 7 E             | .5           | 2  | 2 |   |   |   |   | 4.0 | 1.0 |     |     | 1.0 |     | T   | T   | T   | T  |    |    |    |    | T  | T   | 1.0 | 1   |    |    |    |    |    |    |    |     |     |    |
| ENGLISH CENTER          | -            | 1  | 1 | T | T | T |   |     |     |     |     | 3   | 1   | T   | T   | T   |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| ERIE WB AIRPORT         | T            | T  |   |   |   |   |   | T   | .4  | T   | T   |     |     | T   | T   | .3  |    |    |    |    |    | T  | T   |     |     |    |    |    |    |    |    |    | T   |     |    |
| EVERETT 1 SW            |              |    |   |   |   |   |   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    | 1.5 | 2.0 |     |    |    |    |    |    |    |    |     |     |    |
| FORD CITY 4 S DAM       | T            |    |   |   |   |   |   | T   | 1.0 |     |     |     |     |     |     | T   | T  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| GALETON                 |              |    |   |   |   |   |   | .3  | 2.3 | T   |     |     |     | 3.0 | .5  |     | T  |    |    |    |    |    | T   | 3.0 |     |    |    |    |    |    |    |    | .3  |     |    |
| GEORGE SCHOOL           | .2           |    |   |   |   |   |   |     | .2  |     |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     | .4  |    |
| GREENSBORO LOCK 7       | T            |    |   |   |   |   |   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| HANOVER                 |              |    |   |   |   |   |   |     | T   | T   |     |     |     |     |     |     |    |    |    |    |    | T  |     |     |     |    |    |    |    |    |    |    |     |     |    |
| HARRISBURG WB AIRPORT   | .1           |    |   |   |   |   |   | .3  | .2  | T   |     |     | .4  |     |     | T   |    |    |    |    |    |    | 1.2 | T   |     |    |    |    |    |    |    |    |     | 1.8 |    |
| HOLTWOOD                | T            | T  | T | T | T | T | T | T   | T   | T   | T   | T   | T   | T   |     |     |    |    |    |    |    | T  | T   | T   | T   |    |    |    |    |    |    |    |     |     |    |
| INDIANA 3 SE            | T            | T  | T |   |   |   |   |     | T   | .2  | T   | T   |     |     |     |     | T  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| KANE 1 NNE              | .2           | 6  | 4 | 3 | 1 | T | T | T   | 5.5 | 3.5 | .3  | 2   | 1.5 | 1.5 | 1.0 | .5  | .3 | 1  | 1  | 1  | 1  | 1  | T   | T   | 1.0 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | T   | T   |    |
| LANCASTER 2 NE PUMP STA |              |    |   |   |   |   |   |     | T   | T   |     |     |     |     |     |     | T  |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| LAWRENCEVILLE 2 S       |              |    |   |   |   |   |   | 2.0 | .5  |     |     |     | 1.0 |     |     | T   |    |    |    |    |    |    | .5  |     |     |    |    |    |    |    |    |    |     | T   |    |
| LEWISTOWN               |              |    |   |   |   |   |   |     | T   | T   |     |     | T   | T   |     |     |    |    |    |    |    |    | .8  |     |     |    |    |    |    |    |    |    |     |     |    |
| MARTINSBURG FAA AIRPORT | T            | T  |   |   |   |   |   | T   |     | T   |     |     | .2  |     | T   |     | T  | T  | T  |    |    |    | 5.2 | .7  | T   | 3  | 1  |    |    |    |    |    |     | .6  |    |
| MATAMORAS               | 1.0          | .5 |   |   |   |   |   | 4.0 |     | 2   | 2   | 1   | 1   | 2   | 1   |     |    |    |    |    |    |    | 1.0 | 4.5 | 2   | 1  |    |    |    |    |    |    |     |     |    |
| MEADVILLE 1 S           |              | T  | T | T |   |   |   | .5  | 2.6 | .1  |     |     |     |     | T   | T   | .2 | .4 |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     | T  |
| MEDIX RUN               | 2.5          | .2 | T |   |   |   |   | 3.0 | .5  | T   | T   |     | .8  | .5  |     | T   | .3 |    |    |    |    | T  | T   | T   |     |    |    |    |    |    |    |    |     | T   |    |
| MONTROSE                | 2.0          | 1  | 1 | T | T | T | T | 4.0 | 3.0 | T   | T   | 6   | 6   | 4   | 4.0 | .1  | T  | .5 |    |    |    | .3 | .5  | 3   | 2   | 4  | 4  | 4  | 4  | 2  | 2  | T  | T   | .2  |    |
| NEWPORT                 |              |    |   |   |   |   |   |     | T   | T   |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| PHILADELPHIA WB AIRPORT |              |    |   |   |   |   |   |     | T   | T   |     |     | T   |     |     |     |    |    |    |    |    |    | .1  |     |     |    |    |    |    |    |    |    |     |     | T  |
| PHILIPSBURG FAA AIRPORT |              |    |   |   |   |   |   |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| PITTSBURGH WB AIRPORT 2 | T            | T  |   |   |   |   |   | T   | 1.1 | T   | T   |     |     |     | T   | .3  | T  | T  |    |    |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |
| PLEASANT MOUNT 1 W      | 1.0          | T  | 3 | 2 | 1 | T | T | T   | 3.0 | 3.0 | T   | T   |     | 4.0 | T   | T   | T  | T  |    |    |    | T  | 2.0 | 4   | 4   | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4   | 4   | T  |
| READING WB CITY         | T            |    |   |   |   |   |   | .6  | T   | T   |     |     | T   |     |     |     |    |    |    |    |    |    | .7  |     |     |    |    |    |    |    |    |    |     |     | .5 |
| SCRANTON WB AIRPORT     | .2           | T  |   |   |   |   |   | 1.8 | 2.2 | .1  | T   | 3   | 3   | 3   | 1   | 1.7 | .1 | 2  | .5 |    |    |    | 1.0 | .7  | T   | T  |    |    |    |    |    |    |     | 1.1 |    |

See reference notes following Station Index.

CONTINUED

## SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
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| Station                 |           | Day of month |   |   |   |   |   |   |   |     |     |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
|-------------------------|-----------|--------------|---|---|---|---|---|---|---|-----|-----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|---|---|-----|---|
|                         |           | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9   | 10  | 11 | 12 | 13  | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 24  | 25 | 26 | 27 | 28 | 29 | 30 | 31 |   |   |     |   |
| SHIPPENSBURG            | SNOWFALL  |              |   |   |   |   |   |   |   | 1.0 |     |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   | 1.0 |   |
|                         | SN ON GND |              |   |   |   |   |   |   |   | T   |     |    |    |     |     |     |    |    |    |    |    |    |    | 2.0 | 1.0 |    |    |    |    |    |    |    |   |   | 1.0 |   |
| SLIPPERY ROCK           | SNOWFALL  |              |   |   |   |   |   |   |   | T   | 1.0 | T  |    |     |     |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
|                         | SN ON GND | T            | T |   |   |   |   |   |   | T   | 1   |    |    |     |     |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
| TAMARACK 2 S FIRE TOWER | SNOWFALL  | -            | - | - | - | - | - | - | - | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | - | - | -   |   |
|                         | SN ON GND | -            | - | - | - | - | - | - | - | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -   | -   | 8  | 4  | 2  | T  | -  | -  | -  | - | - | -   |   |
| TIONESTA 2 SE DAM       | SNOWFALL  | T            | T |   |   |   |   |   |   | 2.0 | 3.5 | T  |    | 1.0 | 1.0 |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
|                         | SN ON GND | T            | T | T | T |   |   |   |   | 1   | 4   | 3  | T  | 1   | T   |     |    |    |    |    |    |    |    |     |     | .5 | .5 |    |    |    |    |    |   |   |     |   |
| TOWANDA                 | SNOWFALL  | 2.0          |   | T |   |   |   |   |   | 3.0 | 1.0 | T  |    |     |     | 1.0 | T  |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     | T |
|                         | SN ON GND | 1            | 1 |   |   |   |   |   |   | 3   | 2   | 2  | 2  | T   | 1   | T   |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
| TOWER CITY 5 SW         | SNOWFALL  | T            |   |   |   |   |   |   |   | 1.0 | 1.0 |    |    |     | T   |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
|                         | SN ON GND | -            | - | - | - | - | - | - | - | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | - | - | -   | - |
| WILLIAMSPORT WB AIRPORT | SNOWFALL  | T            |   |   |   |   |   |   |   | 1.3 | .8  | T  |    |     |     | 1.9 |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |
|                         | SN ON GND | -            | - | - | - | - | - | - | - | -   | -   | -  | -  | -   | -   | -   | -  | -  | -  | -  | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | - | - | -   | - |
|                         | WTR EQUIV |              |   |   |   |   |   |   |   | .4  | T   |    |    |     | T   |     |    |    |    |    |    |    |    |     |     |    |    |    |    |    |    |    |   |   |     |   |

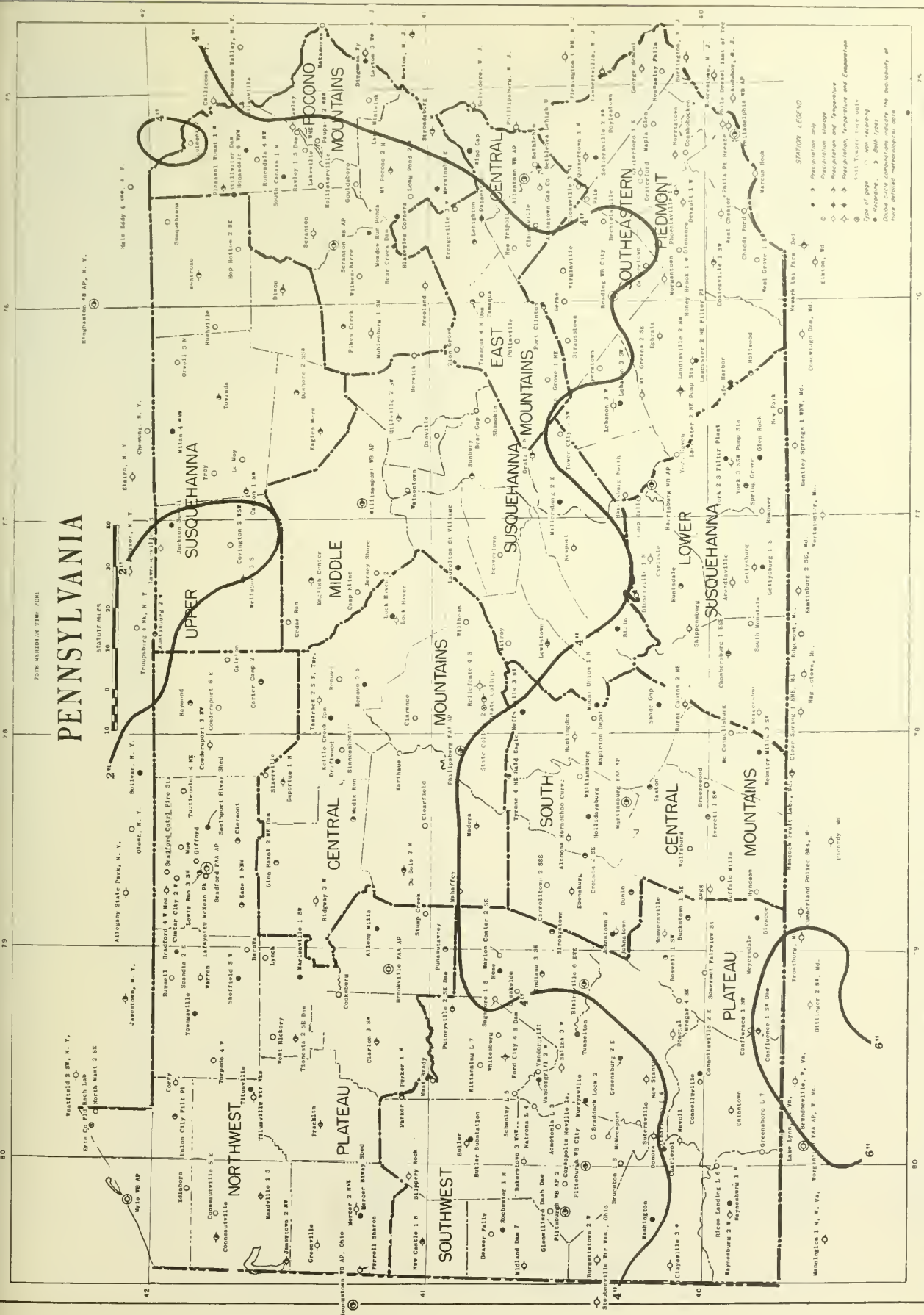
See reference notes following Station Index.

# TOTAL PRECIPITATION

PENNSYLVANIA  
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## PENNSYLVANIA

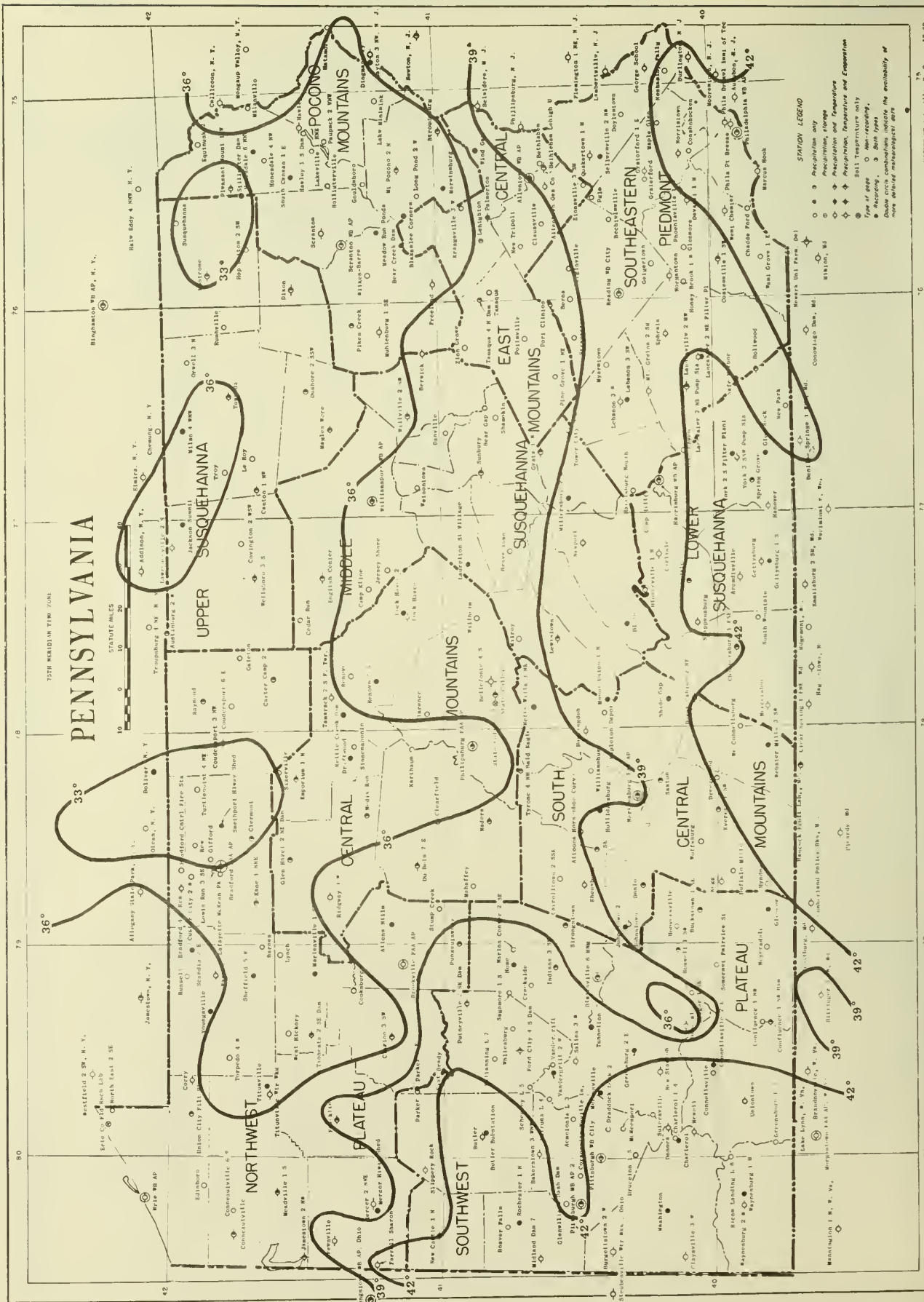
70th MERIDIAN TIME ZONE



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
MARCH 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA MARCH 1964

Table with columns: STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. It lists numerous weather stations across Pennsylvania with their respective coordinates and observers.

# STATION INDEX

PENNSYLVANIA  
MARCH 1961

CONTINUED

| STATION                | INDEX NO. | COUNTY        | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |                          | OBSERVER              | STATION | INDEX NO.    | COUNTY | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                         |         | OBSERVER |  |
|------------------------|-----------|---------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|--------------------------|-----------------------|---------|--------------|--------|----------|----------|-----------|-----------|-----------------------------|---------|-------------------------|---------|----------|--|
|                        |           |               |          |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL                  |                       |         |              |        |          |          |           |           | TEMP.                       | PRECIP. | EVAP.                   | SPECIAL |          |  |
| STATE COLLEGE          | 8489      | CENTRE        | 16       | 40 48    | 77 52     | 1175      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY     | WEST CHESTER          | 9484    | CHESTER      | 5      | 39 58    | 75 36    | 440       | 8A        | 8A                          | C       | DAILY LOCAL NEWS        |         |          |  |
| STATE COLLEGE 2        | 8452      | CENTRE        | 16       | 40 48    | 77 52     | 1100      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY     | WEST GROVE 1 SE       | 9503    | CHESTER      | 5      | 39 48    | 75 48    | 450       | 8A        | 8A                          | C       | COMARD-PILE CO.         |         |          |  |
| STILLWATER DAM         | 8491      | SUSQUEHANNA   | 5        | 41 42    | 75 29     | 16        |                             |         | C     | ANTHONY E. SLICK         | WEST HICKORY          | 9507    | FOREST       | 1      | 41 34    | 79 25    | 1090      | 8A        | 8A                          | C       | MRS. HELEN F. KINNEAP   |         |          |  |
| STRAUSTOWN             | 8570      | BERKS         | 14       | 40 29    | 76 11     | 600       |                             |         | C     | JACOB KLARR              | WHITESBURG            | 9555    | ARMSTRONG    | 1      | 40 45    | 79 24    | 1530      | 7A        | 7A                          | C       | CORPS OF ENGINEERS      |         |          |  |
| STRONGSTOWN            | 8589      | INDIANA       | 4        | 40 33    | 78 55     | 1840      | 8A                          | 8A      | C     | HARRY F. BENNETT         | WILKES-BARRE          | 9702    | LAZERNE      | 15     | 41 15    | 75 52    | 810       | 7A        | 7A                          | C       | MRS. MARY G. HIRNAE     |         |          |  |
| STROUSBURG             | 8596      | MONROE        | 5        | 40 59    | 75 12     | 480       | 11P                         | 11P     | C     | WILLIAM HAGERTY          | WILLIAMSBURG          | 9714    | BLAIR        | 6      | 40 28    | 78 12    | 860       | 7A        | 7A                          | C       | HYRON K. BIDDLE         |         |          |  |
| STUMP CREEK            | 8610      | JEFFERSON     | 1        | 41 01    | 78 50     | 1320      | 7A                          | 7A      | C     | CORPS OF ENGINEERS       | WILLIAMSPORT WB AP    | 9726    | LYCOMING     | 16     | 41 15    | 76 55    | 527       | MID       | MID                         | C       | U.S. WEATHER BUREAU     |         |          |  |
| SUNBURY                | 8668      | NORTHUMBRLAND | 15       | 40 52    | 76 47     | 480       | 7A                          | 7A      | C     | CHARLES W. BAYLER        | WIND GAP              | 9781    | NORTHAMPTON  | 5      | 40 51    | 75 18    | 765       | 7A        | 7A                          | C       | MRS. MARY D. HOELZEL    |         |          |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA   | 15       | 41 57    | 75 36     | 1020      | 7A                          | 7A      | C     | MRS. LAURA A. BENSON     | WOLFSBURG             | 9823    | BEFORED      | 6      | 40 03    | 78 32    | 1190      | 7A        | 7A                          | C       | WALTER C. RICE          |         |          |  |
| SUTERSVILLE            | 8699      | ALLEGHENY     | 17       | 40 14    | 79 48     | 765       | 7A                          | 7A      | C     | HANCE SEE                | YORK 3 SW PUMP STA    | 9933    | YORK         | 15     | 39 55    | 76 45    | 390       | 5P        | 5P                          | C       | YORK WATER COMPANY      |         |          |  |
| TAMAQUA                | 8758      | SCHUYLKILL    | 1A       | 40 48    | 75 58     | 830       | 8A                          | 8A      | C     | MRS. MARY L. ROBERTS     | YORK 2 S FILTER PLANT | 9938    | YORK         | 15     | 39 56    | 76 44    | 640       | 8A        | 8A                          | C       | YORK WATER COMPANY      |         |          |  |
| TAMAQUA 4 N DAM        | 8763      | SCHUYLKILL    | 1A       | 40 51    | 75 59     | 1120      | 7A                          | 7A      | C     | PANTHER VALLEY WTR. CO.  | YORK HAVEN            | 9950    | YORK         | 15     | 40 07    | 76 43    | 310       | 8A        | 8A                          | C       | METROPOLITAN EDISON CO. |         |          |  |
| TAMARACK 2 S FIRE TWP  | 8770      | CLINTON       | 16       | 41 24    | 77 51     | 2220      | 7A                          | 7A      | C     | JAMES E. SWARTZ          | YOUNGSVILLE           | 9968    | WARREN       | 1      | 41 51    | 79 20    | 1225      | 7A        | 7A                          | C       | HENRY CARLETT           |         |          |  |
| TIONESTA 2 SE DAM      | 8873      | FOREST        | 1        | 41 29    | 79 26     | 1200      | 8A                          | 8A      | C     | CORPS OF ENGINEERS       | ZION GROVE            | 9990    | SCHUYLKILL   | 15     | 40 54    | 76 13    | 940       | 7A        | 7A                          | C       | JAMES D. TETER          |         |          |  |
| TITUSVILLE             | 8885      | CRAWFORD      | 1        | 41 38    | 79 40     | 1550      | 7A                          | 7A      | C     | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE       | 9995    | LEHIGH       | 14     | 40 28    | 75 28    | 620       | 8A        | 8A                          | C       | LESLIE HOWATT           |         |          |  |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD      | 1        | 41 38    | 79 42     | 1220      | 7P                          | 7P      | C     | CITY OF TITUSVILLE       | NEW STATIONS          |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| TORPEDO A W            | 8901      | WARREN        | 1        | 41 47    | 79 32     | 1735      | 7A                          | 7A      | C     | MRS. LILLY B. GARBER     | APOLL 2 W             | 0204    | WESTMORELAND | 7      | 40 35    | 79 36    | 1060      | 7A        | 7A                          | C       | EUGENE R. YOUNG         |         |          |  |
| TOWANDA                | 8905      | BRADFORD      | 15       | 41 48    | 76 26     | 760       | 7P                          | 7P      | C     | MRS. W. D. PARES         | CLERMONT 6 NW         | 1534    | MC KEAN      | 1      | 43 44    | 78 32    | 1620      | 5P        | 7A                          | C       | MRS. TILLIE M. SIMMONS  |         |          |  |
| TOWER CITY 5 SW        | 8910      | GAUPOHN       | 15       | 40 31    | 76 37     | 745       | 6P                          | 6P      | C     | HARRISBURG WATER DEPT.   | COMBINED STATIONS     |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| TROY                   | 8959      | BRADFORD      | 15       | 41 47    | 76 48     | 1100      | 7A                          | 7A      | C     | JENNIE L. BALLARD        | VANDERGRIFT 2 W       | 9133    | WESTMORELAND | 7      | 40 36    | 79 36    | 995       |           |                             | C       | COMBINED WITH STA D204  |         |          |  |
| TUNNELTON              | 8989      | INDIANA       | 4        | 40 27    | 79 23     | 890       | 7A                          | 7A      | C     | MRS. MARY E. WEIMER      |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN       | 1        | 41 54    | 76 16     | 1840      | 7A                          | 7A      | C     | ROBERT D. STRAIT         |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR         | 6        | 40 43    | 78 12     | 1020      | 7A                          | 7A      | C     | FREDERICK L. FRIDAY      |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| UNION CITY FILT PLANT  | 9042      | ERIE          | 1        | 41 55    | 79 48     | 1400      | 7A                          | 7A      | C     | HAROLD W. HAMMOND        |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| UNIONTOWN              | 9050      | FAYETTE       | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     | C     | W. W. MARSTELLER         |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| VANDERGRIFT            | 9126      | WESTMORELAND  | 7        | 40 36    | 79 33     | 800       | 7A                          | 7A      | C     | UNITED ENG. + FNDPT. CO. |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| VANDERGRIFT 2 W        | 9133      | WESTMORELAND  | 7        | 40 36    | 79 36     | 995       | 8A                          | 8A      | C     | EUGENE R. YOUNG          |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| VIRGINVILLE            | 9196      | BERKS         | 1A       | 40 31    | 75 52     | 350       | 7A                          | 7A      | C     | MRS. MARY M. WRIGHT      |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WARREN                 | 9298      | WARREN        | 1        | 41 51    | 79 08     | 1260      | 7P                          | 7A      | C     | GILBERT M. REIER         |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WASHINGTON             | 9312      | WASHINGTON    | 11       | 40 11    | 80 14     | 1200      | 9P                          | 9P      | C     | PA. DEP. HIGHWAYS        |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WATSONTOWN             | 9345      | NORTHUMBRLAND | 16       | 41 05    | 76 52     | 490       | 9P                          | 9P      | C     | WILLIAM BIRD             |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WAYNESBURG 2 W         | 9362      | GREENE        | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      | C     | SAMUEL D. GRENLEE        |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WAYNESBURG 1 E         | 9367      | GREENE        | 10       | 39 54    | 80 10     | 940       |                             |         | C     | SEWAGE DISPOSAL PLANT    |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WESTER MILLS 3 SW      | 9380      | FULTON        | 12       | 39 40    | 78 08     | 920       |                             |         | C     | WILLIAM D. COVER         |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |
| WELLSBORO 3 S          | 9408      | TIOGA         | 16       | 41 A3    | 77 16     | 1920      | 7A                          | 7A      | C     | MARION L. SHUMWAY        |                       |         |              |        |          |          |           |           |                             |         |                         |         |          |  |

1-ALLEGHENY; 2-AVEAR; 3- 4-CONEAUCH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-ORID; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOGHENY

### REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sum of the positive departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extreme of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other cause of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and in the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extremes Table"; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T. In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

### OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of local climatological data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

51.05  
WP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

APRIL 1961  
Volume 66 No. 4



ASHEVILLE: 1961

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PENNSYLVANIA - APRIL 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 85° on the 26+ at 3 stations

Lowest Temperature: 16° on the 20th at Coudersport 3 NW

Greatest Total Precipitation: 8.09 inches at North East 2 SE

Least Total Precipitation: 2.48 inches at Scranton WB Airport

Greatest One-Day Precipitation: 2.82 inches on the 25th at Susquehanna

Greatest Reported Total Snowfall: 27.0 inches at Gouldsboro

Greatest Reported Depth of Snow on Ground: 15 inches on the 14th at  
Gouldsboro











# DAILY PRECIPITATION

PENNSYLVANIA  
APRIL 1961

Continued

| Station             | Total | Day of Month |     |     |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|---------------------|-------|--------------|-----|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|                     |       | 1            | 2   | 3   | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |
| WHITESBURG          | 6.08  | .50          | .30 | T   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILKES BARRE        | 3.61  | .17          | .02 | .03 | T |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILLIAMSBURG        | 5.04  | .21          | .10 | .09 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILLIAMSPORT WB AP  | 5.46  | .18          | .07 | T   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WOLFSBURG           | 5.66  | .60          | .01 |     |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| YORK 3 SSW PUMP STA | 6.19  | .65          | T   |     |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| YORK HAVEN          | 4.69  | .50          | .02 |     |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ZIONSVILLE 3 SE     | 4.94  | .35          | .07 |     |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m p h. |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|-------------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average           | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | W              | 16                              | 14.2              | 51++         | W                         | 26                   | 79                                 | 79         | 53         | 61         | 7                                 | 5     | 6     | 1     | 1       | 0            | 20                           | -                                   | 6.9   |
| ERIE WB AIRPORT         | WSW            | 13                              | 12.4              | 40++         | SSW                       | 16+                  | 85                                 | 83         | 73         | 79         | 9                                 | 4     | 9     | 1     | 3       | 0            | 26                           | -                                   | 8.5   |
| HARRISBURG WB AIRPORT   | WNW            | 20                              | 11.5              | 32           | W                         | 26                   | 67                                 | 66         | 48         | 52         | 7                                 | 6     | 3     | 4     | 1       | 0            | 21                           | 63                                  | 7.4   |
| PHILADELPHIA WB AIRPORT | NW             | 16                              | 11.9              | 39           | E                         | 13                   | 69                                 | 68         | 49         | 55         | 4                                 | 5     | 7     | 0     | 2       | 0            | 18                           | 52                                  | 6.8   |
| PITTSBURGH WB AIRPORT 2 | WNW            | 15                              | 11.4              | 35++         | WSW                       | 16                   | 74                                 | 75         | 62         | 67         | 8                                 | 9     | 7     | 3     | 1       | 0            | 28                           | 33                                  | 8.5   |
| READING WB CITY         | -              | -                               | 15.0              | 57           | N                         | 16                   | -                                  | -          | -          | -          | 6                                 | 4     | 6     | 1     | 2       | 0            | 19                           | 53                                  | 7.0   |
| SCRANTON WB AIRPORT     | NW             | 13                              | 10.6              | 35           | E                         | 16                   | 80                                 | 83         | 58         | 64         | 11                                | 8     | 5     | 2     | 0       | 0            | 26                           | 40                                  | 7.9   |
| WILLIAMSPORT WB AIRPORT | -              | -                               | -                 | -            | -                         | -                    | -                                  | 76         | 53         | 59         | 6                                 | 6     | 7     | 0     | 3       | 0            | 22                           | -                                   | 8.1   |

See reference notes following Station Index













# SNOWFALL AND SNOW ON GROUND

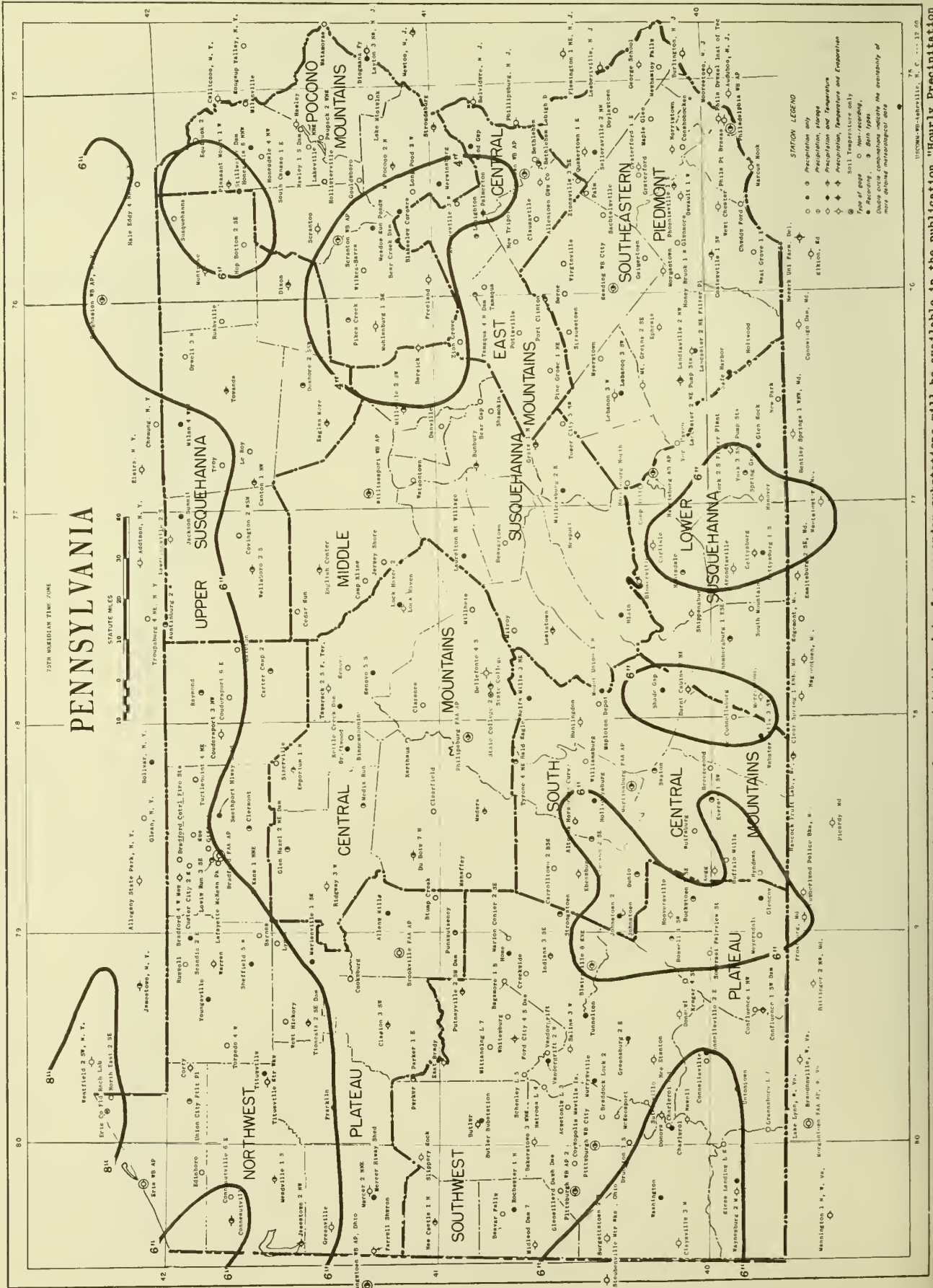
PENNSYLVANIA  
APRIL 1961

| Station                 |                                    | Day of month |          |          |        |        |   |        |        |   |          |    |        |          |     |    |    |    |    |        |          |    |    |    |    |    |    |    |    |    |    |    |   |   |  |
|-------------------------|------------------------------------|--------------|----------|----------|--------|--------|---|--------|--------|---|----------|----|--------|----------|-----|----|----|----|----|--------|----------|----|----|----|----|----|----|----|----|----|----|----|---|---|--|
|                         |                                    | 1            | 2        | 3        | 4      | 5      | 6 | 7      | 8      | 9 | 10       | 11 | 12     | 13       | 14  | 15 | 16 | 17 | 18 | 19     | 20       | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |   |   |  |
| SLIPPERY ROCK           | SNOWFALL<br>SN ON GNO              | 1.0<br>1     | 1.0<br>2 | 1.0<br>3 | T      |        |   |        |        |   |          |    |        | T<br>T   |     |    |    |    |    | T<br>T | T<br>T   |    |    |    |    |    |    |    |    |    |    |    |   | T |  |
| TAMARACK 2 S FIRE TOWER | SNOWFALL<br>SN ON GNO              | -            | -        | -        | -      | -      | - | -      | -      | - | -        | -  | -      | -        | -   | -  | -  | -  | -  | -      | -        | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | - |  |
| TIONESTA 2 SE DAM       | SNOWFALL<br>SN ON GND              |              | 3.0<br>4 | 2.0<br>5 | T<br>2 | T<br>T |   | T<br>T | T<br>T |   | T<br>T   |    | T<br>T |          |     |    |    |    |    | T<br>T | 2.0<br>T |    |    |    |    |    |    |    |    |    |    |    |   |   |  |
| TOWANOA                 | SNOWFALL<br>SN ON GND              | 2.0<br>2     | 1.0<br>1 | T        | T      | T      |   | T      | T      | T | 2.0<br>2 | T  |        | .5<br>1  | 1.5 |    |    |    | T  |        |          |    |    |    |    |    |    |    |    |    |    |    |   |   |  |
| TOWER CITY 1 S          | SNOWFALL<br>SN ON GND              | -            | -        | -        | -      | -      | - | -      | -      | - | -        | -  | -      | -        | -   | -  | -  | -  | -  | -      | -        | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | - |  |
| WILLIAMSPORT WB AIRPORT | SNOWFALL<br>SN ON GND<br>WTR EQUIV |              |          | .3<br>T  | T      |        |   | T      |        | T | 5.0<br>3 |    | T      | 2.5<br>1 | T   |    |    |    |    |        |          | .1 |    |    |    |    |    |    |    |    |    |    |   |   |  |

See reference notes following Station Index.

# TOTAL PRECIPITATION

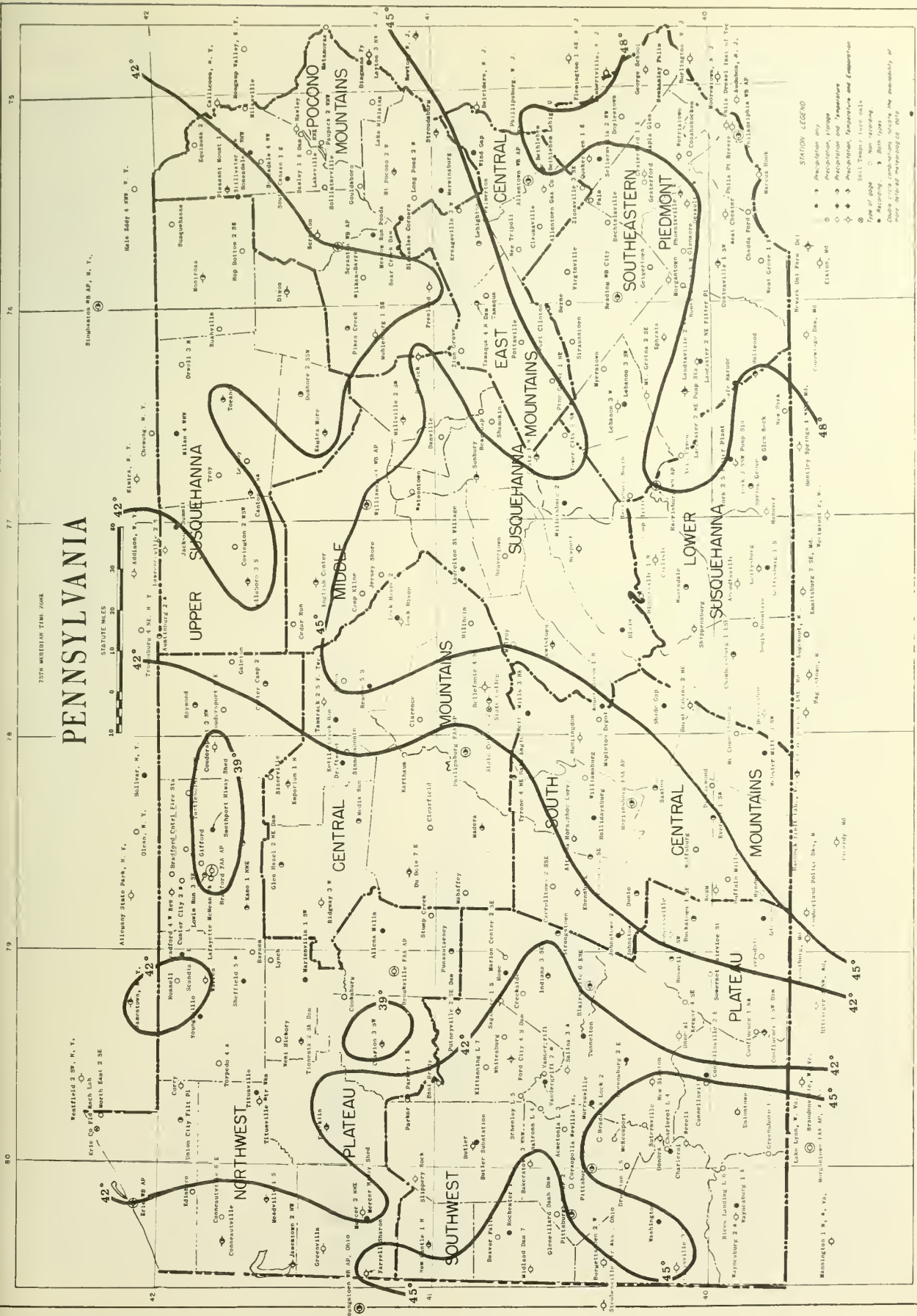
PENNSYLVANIA  
APRIL 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
APRIL 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA  
APRIL 1961

Table with columns: STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. The table lists numerous weather stations across Pennsylvania with their respective coordinates and observation details.



REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

MAY 1961

Volume 66 No. 5



*Faint, illegible stamp or handwritten text.*

ASHEVILLE: 1961

PENNSYLVANIA - MAY 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 89° on the 15+ at 3 stations

Lowest Temperature: 18° on the 5th at Clermont 4 NW

Greatest Total Precipitation: 5.33 inches at Hop Bottom 2 SE

Least Total Precipitation: 1.57 inches at Hanover

Greatest One-Day Precipitation: 1.80 inches on the 10th at New Tripoli

Greatest Reported Total Snowfall: Trace at 53 stations

Greatest Reported Depth of Snow on Ground: Trace on the 28+ at 9 stations

SPECIAL WEATHER SUMMARY

Weatherwise, May was an unusual month in several respects. Temperatures averaged well below normal, freezing occurred as late as the end of the month and snow was reported in several areas as late as May 27th.

Daily temperatures were below normal most of the time with average departures 2 to 5° for the coldest May in many years and one of the coldest of record. Frequent outbreaks of cold Canadian air, especially near the beginning and end of the month sent the mercury to record lows for the date on several occasions. During both of these periods below freezing temperatures were reported over a wide area of the state and, while the lowest temperatures occurred near the beginning of the month, the most noteworthy were the low readings near the end of the month which set new records not only for the date but for so late in the season. The coldest day of the month, as judged by the average daily temperature, occurred

on the 27th when daily values were as much as 15 to 25° below normal. Some moderation of afternoon highs were noted during the balance of the month but night-time minima remained mostly in the 30's and 40's. Below freezing temperatures were reported at several locations as late as the 30th. Kane had a low of 25° while several other northern stations each recorded 30°. On the same date Philadelphia reported the coldest Memorial Day of record when temperatures averaged a cool 53°.

As a result of the cold, snow flurries were observed at a number of places as late as the end of the month. However, most of them melted before or as they hit the ground.

Nelson M. Kauffman  
Weather Bureau State Climatologist  
Harrisburg State Airport  
New Cumberland, Pennsylvania











# DAILY PRECIPITATION

PENNSYLVANIA  
MAY 1961

Continued

| Station             | Total | Day of Month |     |   |   |   |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|---------------------|-------|--------------|-----|---|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|                     |       | 1            | 2   | 3 | 4 | 5 | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |
| WEST GROVE 1 SE     | 2.35  |              | .34 |   |   |   | .22 | .07 |     | .55 |     | .32 |     | .04 | .02 |     | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WHITESBURG          | 2.90  | T            |     | T |   |   | .34 | .08 | .93 | T   |     | T   |     |     |     | .82 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILLES BARRE        | 2.73  | T            |     |   |   |   | .27 | .15 | .47 | .45 | T   | .21 | T   |     |     | .36 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILLIAMSBURG        | 3.43  | T            |     |   |   |   | .76 | .33 | .33 | .46 | T   | .09 |     | .03 |     | .29 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WILLIAMSPORT WB AP  | 2.94  | .03          | .20 |   |   |   | .51 | .10 | .38 | .44 | .01 | .01 | .20 | .01 |     | .30 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| WOLFSBURG           | 2.19  | .02          | T   |   |   |   | T   | .54 | .11 | .01 | .08 |     |     |     |     | .75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| YORK 3 SSW PUMP STA | 1.83  |              | .16 |   |   |   | .18 | .14 | .02 | .14 |     | .20 | .08 | T   |     | .75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| YORK HAVEN          | 1.71  |              | .20 |   |   |   |     | .35 | .08 | .02 | .03 |     | .31 | .05 | .01 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ZIONSVILLE 3 SE     | 3.13  |              | .30 |   |   |   |     | .25 | .24 | .21 | .36 |     | .27 |     |     | .40 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |         |         |         |           |               |       | Percent of possible sunshine | Average sky cover sunrise to sunset |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|---------|---------|---------|-----------|---------------|-------|------------------------------|-------------------------------------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 and over | Total |                              |                                     |
| ALLENTOWN WB AIRPORT    | NW             | 10                              | 11.3                | 46++         | W                         | 3                    | 80                                   | 77         | 54         | 62         | 5                                 | 7       | 7       | 1       | 0         | 0             | 20    | -                            | 6.9                                 |
| ERIE WB AIRPORT         | WSW            | 13                              | 12.2                | 30++         | S                         | 15                   | 77                                   | 73         | 63         | 65         | 8                                 | 4       | 6       | 0       | 0         | 0             | 18    | -                            | 6.6                                 |
| HARRISBURG WB AIRPORT   | W              | 16                              | 8.8                 | 33           | W                         | 9                    | 71                                   | 70         | 50         | 56         | 7                                 | 7       | 7       | 0       | 0         | 0             | 21    | 53                           | 7.1                                 |
| PHILADELPHIA WB AIRPORT | WSW            | 17                              | 9.5                 | 30           | NW                        | 3                    | 74                                   | 74         | 57         | 61         | 6                                 | 6       | 6       | 0       | 1         | 0             | 19    | 54                           | 6.9                                 |
| PITTSBURGH WB AIRPORT 2 | WSW            | 11                              | 9.5                 | 35++         | S                         | 8                    | 72                                   | 75         | 53         | 55         | 4                                 | 5       | 7       | 1       | 0         | 0             | 17    | 49                           | 7.6                                 |
| READING WB CITY         | -              | -                               | 11.6                | 45           | SW                        | 9                    | -                                    | -          | -          | -          | 3                                 | 4       | 5       | 3       | 0         | 0             | 15    | 47                           | 6.8                                 |
| SCRANTON WB AIRPORT     | NNW            | 14                              | 10.3                | 27           | NW                        | 3+                   | 72                                   | 71         | 49         | 55         | 7                                 | 4       | 7       | 2       | 0         | 0             | 20    | 48                           | 7.4                                 |
| WILLIAMSPORT WB AIRPORT | -              | -                               | -                   | -            | -                         | -                    | -                                    | 77         | 51         | 58         | 2                                 | 6       | 10      | 1       | 0         | 0             | 19    | -                            | 7.6                                 |

See reference notes following Station Index









# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
MAY 1961

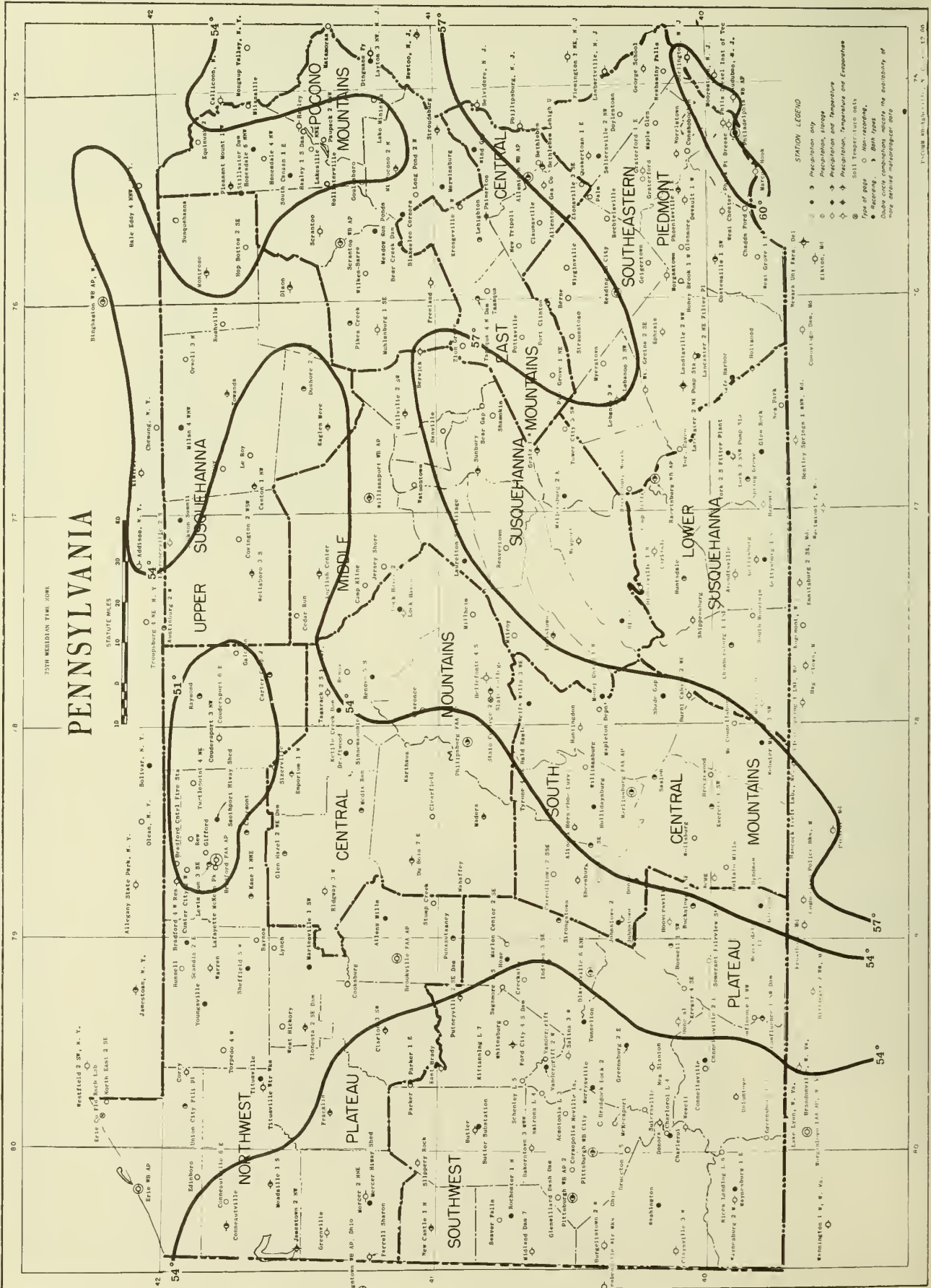
| Station                 | Day of month |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|-------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|                         | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |
| AUSTINBURG 2 W          |              |   | T |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| BRADFORD FAA AIRPORT    |              |   | T | T |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | T  | T  |    |    |    |  |
| BRADFORD 4 W RES        |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| BROOKVILLE FAA AIRPORT  |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| CARROLLTOWN 2 SSE       |              |   |   |   | T |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| CORRY                   |              |   | T |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| DONEGAL                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| DU BOIS 7 E             |              |   |   | T |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| ERIE WB AIRPORT         |              |   | T |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| INDIANA 3 SE            |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| KANE 1 NNE              |              |   |   | T | T |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| MEADVILLE 1 S           |              |   |   | T |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| MEDIX RUN               |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| MONTROSE                |              |   |   | T | T |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| PITTSBURGH WB AIRPORT 2 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
| TIONESTA 2 SE DAM       |              |   | T |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

See reference notes following Station Index.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
MAY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



STATION INDEX

PENNSYLVANIA  
MAY 1961

Table with columns: STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, COUNTY, INDEX NO., DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. The table lists numerous weather stations across Pennsylvania with their respective coordinates and observation details.

# STATION INDEX

PENNSYLVANIA  
MAY 1961

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER | STATION                                    | INDEX NO.       | COUNTY      | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |                         |                       |         | OBSERVER |
|------------------------|-----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------|----------|--|-----------------|-------------|----------|----------|-----------|-----------|-----------------------------|-------------------------|-----------------------|---------|----------|
|                        |           |              |          |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |          |  |                 |             |          |          |           |           | TEMP.                       | PRECIP.                 | EVAP.                 | SPECIAL |          |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16       | 40 48    | 77 32     | 1180      |                             |         |       |         | G        | PA. STATE UNIVERSITY<br>CORPS OF ENGINEERS | WEST GROVE 1 SE | 9503        | CHESTER  | 5        | 39 48     | 75 48     | 430                         | 8A                      | CONARD-PYLE CO.       |         |          |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 15       | 41 43    | 75 29     | 1180      |                             |         |       |         |          |  | WEST HICKORY    | 9507        | FOREST   | 1        | 41 34     | 79 25     | 1090                        | 8A                      | MRS. HELEN F. KINNEAR |         |          |
| STOYSTOWN              | 8560      | SOMERSET     | 4        | 40 06    | 78 57     | 1800      | 9A                          | 9A      |       |         |          | VERNON MORG                                | 9655            | ARMSTRONG   | 1        | 40 45    | 79 24     | 1930      | 7A                          | CORPS OF ENGINEERS      |                       |         |          |
| STRALESTOWN            | 8570      | BERKS        | 14       | 40 29    | 76 11     | 600       |                             |         |       |         |          | JACOB KLAMM                                | 9702            | LAZIERNE    | 15       | 41 15    | 75 52     | 610       | 7A                          | MRS. MARY G. MIERNAK    |                       |         |          |
| STRONGSTOWN            | 8589      | INDIANA      | 4        | 40 33    | 78 55     | 1880      |                             |         |       |         |          | HARRY F. BENNETT                           | 9714            | GLAIR       | 6        | 40 28    | 78 12     | 860       | 7A                          | MYRON K. BIDDLE         |                       |         |          |
| STROUSBURG             | 8594      | MONROE       | 5        | 40 59    | 75 12     | 480       | 11P                         | 11P     |       |         |          | WILLIAM MAGERTY                            | 9728            | LYCOMING    | 16       | 41 15    | 76 55     | 527       | MID                         | U.S. WEATHER BUREAU     |                       |         |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1        | 41 01    | 78 50     | 1320      | 7A                          | 7A      |       |         |          | CORPS OF ENGINEERS                         | 9781            | NORTHAMPTON | 5        | 40 51    | 75 18     | 765       | 7A                          | MRS. MARY D. HOELZEL    |                       |         |          |
| SUNBURY                | 8668      | NORTHUMBLAND | 15       | 40 52    | 76 47     | 480       | 7A                          | 7A      |       |         |          | CHARLES W. BAYLER                          | 9823            | BEDFORD     | 6        | 40 03    | 78 32     | 1190      | 7A                          | WALTER C. RICE          |                       |         |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15       | 41 57    | 75 36     | 1020      | 7A                          | 7A      |       |         |          | MRS. LAURA A. BENSON                       | 9933            | YORK        | 12       | 39 55    | 76 45     | 390       | 5P                          | YORK WATER COMPANY      |                       |         |          |
| SUTERSVILLE            | 8699      | ALLEGHENY    | 17       | 40 14    | 79 48     | 765       | 7A                          | 7A      |       |         |          | HANCE SEE                                  | 9938            | YORK        | 15       | 39 56    | 76 44     | 640       | 7A                          | YORK WATER COMPANY      |                       |         |          |
| TAMAQUA                | 8798      | SCHUYLKILL   | 14       | 40 48    | 75 58     | 830       | 8A                          | 8A      |       |         |          | MRS. MARY L. ROBERTS                       | 9950            | YORK        | 15       | 40 07    | 76 43     | 310       | 8A                          | METROPOLITAN Edison CO. |                       |         |          |
| TAMAQUA 4 N DAM        | 8763      | SCHUYLKILL   | 14       | 40 51    | 75 59     | 1120      | 7A                          | 7A      |       |         |          | PANTHER VALLEY WTR. CO.                    | 9966            | WARREN      | 1        | 41 51    | 79 20     | 1225      | 7A                          | HENRY CARLETT           |                       |         |          |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16       | 41 24    | 77 51     | 2220      | 7A                          | 7A      |       |         |          | MRS. FRANCES SWARTZ                        | 9990            | SCHUYLKILL  | 15       | 40 54    | 76 13     | 940       | 7A                          | JAMES O. TETER          |                       |         |          |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1        | 41 29    | 79 26     | 1200      | 8A                          | 8A      |       |         |          | CORPS OF ENGINEERS                         | 9995            | LEHIGH      | 14       | 40 28    | 75 27     | 680       | 8A                          | LESLIE HOWATT           |                       |         |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1        | 41 38    | 79 40     | 1550      | 7A                          | 7A      |       |         |          | PA. ELECTRIC CO.                           |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1        | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       |         |          | CITY OF TITUSVILLE                         |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TORPEDO 4 W            | 8901      | WARREN       | 1        | 41 47    | 79 32     | 1735      | 7A                          | 7A      |       |         |          | MRS. LILY B. GARDNER                       | 6622            | BRADFORD    | 15       | 41 55    | 76 18     | 1340      | 8A                          | ELMER T. MOORE          |                       |         |          |
| TOYAHOGA               | 8903      | BRADFORD     | 15       | 41 46    | 76 26     | 780       | 7A                          | 7A      |       |         |          | MRS. JOHN MURRAY, JR.                      |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15       | 40 34    | 76 33     | 790       | 7A                          | 7A      |       |         |          | JENNIE L. BALLARD                          |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TROY                   | 8959      | BRADFORD     | 15       | 41 47    | 76 47     | 1100      | 7A                          | 7A      |       |         |          | MRS. MARY E. WEIMER                        | 6621            | BRADFORD    | 15       | 41 55    | 76 16     | 1420      |                             | EFFECTIVE 5/61          |                       |         |          |
| TUNNELTON              | 8989      | INDIANA      | 4        | 40 27    | 79 23     | 890       | 7A                          | 7A      |       |         |          | ROBERT O. STRAIT                           |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1        | 41 54    | 78 16     | 1640      | 7A                          | 7A      |       |         |          | FREDERICK L. FRIQATY                       |                 |             |          |          |           |           |                             |                         |                       |         |          |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6        | 40 43    | 78 12     | 1020      | 7A                          | 7A      |       |         |          | HAROLD W. HAMMOND                          |                 |             |          |          |           |           |                             |                         |                       |         |          |
| UNION CITY FILL PLANT  | 9042      | ERIE         | 1        | 41 55    | 79 48     | 1400      | 7A                          | 7A      |       |         |          | Wm. W. MARSTELLER                          |                 |             |          |          |           |           |                             |                         |                       |         |          |
| UNIONTOWN              | 9050      | FAYETTE      | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       |         |          | UNITED ENG. & FNDRY. CO.                   |                 |             |          |          |           |           |                             |                         |                       |         |          |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7        | 40 36    | 79 35     | 800       | 7A                          | 7A      |       |         |          | MRS. MARY M. WRIGHT                        |                 |             |          |          |           |           |                             |                         |                       |         |          |
| VIRGINVILLE            | 9194      | BERKS        | 14       | 40 31    | 75 52     | 350       | 7A                          | 7A      |       |         |          | GILBERT H. REIER                           |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WARREN                 | 9298      | WARREN       | 1        | 41 51    | 79 08     | 1280      | 7P                          | 7A      |       |         |          | PA. DEPT. HIGHWAYS                         |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11       | 40 11    | 80 14     | 1200      |                             |         |       |         |          | WILLIAM BIRD                               |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WATSONTOWN             | 9343      | NORTHUMBLAND | 16       | 41 05    | 76 52     | 490       | 9P                          | 9P      |       |         |          | SAMUEL B. GREENLEE                         |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      |       |         |          | SEWAGE DISPOSAL PLANT                      |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10       | 39 54    | 80 10     | 940       | 7A                          | 7A      |       |         |          | WILLIAM D. COVER                           |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WEBSTER MILLS 3 SW     | 9380      | FULTON       | 12       | 39 49    | 78 05     | 920       | 7A                          | 7A      |       |         |          | MARION L. SHUMWAY                          |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WELLSBORO 3 S          | 9400      | TIOGA        | 14       | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       |         |          | DAILY LOCAL NEWS                           |                 |             |          |          |           |           |                             |                         |                       |         |          |
| WEST CHESTER           | 9464      | CHESTER      | 5        | 39 58    | 75 36     | 440       | 8A                          | 8A      |       |         |          |  |                 |             |          |          |           |           |                             |                         |                       |         |          |

1-ALLEGHENY; 2-BEAVER; 3-4-CONDELMURCH; 5-DELAWARE; 6-JUNIATA; 7-RISKIMINTAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOHEHY

### REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 33W, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1958.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperature from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extreme of temperatures of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Extreme Tables", "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E. S. T. In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

### OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; "Daily Soil Temperature" Table; and the Station Index.
- + and also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above eod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- ^ Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E. S. T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Resittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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WP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JUNE 1961

Volume 66 No. 6



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ASHEVILLE: 1961

PENNSYLVANIA - JUNE 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 96° on the 30th at Carlisle and on the 14th at  
Hawley

Lowest Temperature: 29° on the 16th at Coudersport 3 NW

Greatest Total Precipitation: 8.00 inches at Newell

Least Total Precipitation: 1.50 inches at Myerstown

Greatest One-Day Precipitation: 3.50 inches on the 22nd at Tamaqua  
4 N Dam





DAILY PRECIPITATION

PENNSYLVANIA  
JUNE 1961

Table with columns for Station, Total, Day of Month (1-31), and numerical precipitation values for various locations across Pennsylvania.

See reference notes following Station Index

DAILY PRECIPITATION

PENNSYLVANIA JUNE 1961

Continued

Table with columns for Station, Total, and Day of Month (1-31). Rows list various Pennsylvania locations with their corresponding precipitation data for each day of the month.

See reference notes following Station Index



# DAILY PRECIPITATION

PENNSYLVANIA  
JUNE 1961

Continued

| Station             | Total | Day of Month |     |     |     |     |     |     |     |      |     |     |      |     |     |    |    |    |    |    |    |      |     |     |     |     |     |     |    |    |    |    |     |  |  |  |  |
|---------------------|-------|--------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|----|----|----|----|----|----|------|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|--|--|--|--|
|                     |       | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9    | 10  | 11  | 12   | 13  | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 21   | 22  | 23  | 24  | 25  | 26  | 27  | 28 | 29 | 30 | 31 |     |  |  |  |  |
| WILLIAMSBURG        | 2.58  |              | .21 | .11 |     |     |     | .06 | T   | .56  | .43 | .02 |      | .03 | .38 |    |    |    |    |    |    |      |     |     |     |     |     |     |    |    |    |    |     |  |  |  |  |
| WILLIAMSPORT WB AP  | 5.11  | .03          | .22 | .02 |     |     |     | .21 | .56 | 1.47 |     | T   | T    | .08 |     |    |    |    |    |    |    | .05  | .65 | T   |     | .25 | .08 |     |    |    |    |    |     |  |  |  |  |
| WOLFSBURG           | 2.55  | .11          | .02 | .18 | .05 |     |     |     | T   | .08  | .94 |     |      | .01 | .32 |    |    |    |    |    |    | .08  | .58 |     | .16 | .02 | T   |     |    |    |    |    |     |  |  |  |  |
| YORK 3 SSW PUMP STA | 4.67  | .04          |     | .71 | .02 |     | .03 | .09 | .22 | .07  | .18 |     | 1.06 | .40 | .35 |    |    |    |    |    |    | .45  | .28 |     | .15 | .28 | .03 | .21 |    |    |    |    | .10 |  |  |  |  |
| YORK HAVEN          | 2.29  | .04          |     | .03 | .12 |     |     | .01 | .15 | .24  | .27 |     |      | .05 | .02 |    |    |    |    |    |    | 1.09 |     | .06 | .03 | .05 | .13 |     |    |    |    |    |     |  |  |  |  |
| ZION GROVE          | 4.12  | .05          | .30 |     | .16 |     |     |     |     | .95  | .40 |     |      |     |     |    |    |    |    |    |    |      |     |     |     |     |     |     |    |    |    |    |     |  |  |  |  |
| ZIONSVILLE 3 SE     | 2.95  | T            |     |     | .67 | .17 |     |     |     |      | .11 |     |      |     |     |    |    |    |    |    |    |      |     |     |     |     |     |     |    |    |    |    |     |  |  |  |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Total | Percent of possible sunshine | Average sky cover sunrise to sunset |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|-------|------------------------------|-------------------------------------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |       |                              |                                     |
| ALLENTOWN WB AIRPORT    | SW             | 18                              | 9.2                 | 28++         | SE                        | 21+                  | 83                                 | 82         | 52         | 63         | 6                                 | 9     | 2     | 1     | 0       | 0            | 18    | -                            | 5.7                                 |
| ERIE WB AIRPORT         | WSW            | 17                              | 11.2                | 29++         | WSW                       | 2+                   | 81                                 | 79         | 65         | 62         | 6                                 | 6     | 3     | 1     | 1       | 0            | 17    | -                            | 5.9                                 |
| HARRISBURG WB AIRPORT   | W              | 16                              | 7.5                 | 29           | W                         | 2                    | 80                                 | 80         | 52         | 62         | 6                                 | 10    | 0     | 2     | 0       | 0            | 18    | 70                           | 5.9                                 |
| PHILADELPHIA WB AIRPORT | WSW            | 23                              | 8.1                 | 26           | N                         | 14                   | 79                                 | 78         | 58         | 64         | 7                                 | 6     | 2     | 2     | 0       | 0            | 17    | 65                           | 6.4                                 |
| PITTSBURGH WB AIRPORT 2 | SW             | 18                              | 7.0                 | 35++         | WNW                       | 23                   | 85                                 | 87         | 61         | 63         | 1                                 | 9     | 2     | 3     | 0       | 0            | 15    | 66                           | 6.5                                 |
| READING WB CITY         | -              | -                               | 9.1                 | 34           | S                         | 21                   | -                                  | -          | -          | -          | 2                                 | 8     | 7     | 0     | 0       | 0            | 17    | 67                           | 6.0                                 |
| SCRANTON WB AIRPORT     | SW             | 17                              | 8.6                 | 42           | SW                        | 2                    | 77                                 | 80         | 55         | 61         | 2                                 | 8     | 3     | 1     | 1       | 0            | 15    | 62                           | 5.7                                 |
| WILLIAMSPORT WB AIRPORT | W              | 13                              | 6.1                 | 32           | WSW                       | 1                    | 86                                 | 85         | 50         | 57         | 3                                 | 4     | 3     | 1     | 1       | 1            | 13    | -                            | 5.8                                 |





# MONTHLY AND SEASONAL SNOWFALL

CONTINUEO

Season of 1960 - 1961

PENNSYLVANIA

| Station                 | July | August | September | October | November | December | January | February | March | April | May | June | Total |
|-------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|-------|
| RAYMOND                 |      |        |           | T       | -        | -        | 18.5    | -        | 9.4   | 17.0  | T   |      | -     |
| READING WB CITY         |      |        |           | T       | T        | 11.5     | 24.3    | 20.4     | 1.8   | .8    |     |      | 58.8  |
| RENOVO                  |      |        |           | T       |          | 15.8     | -       | -        | -     | -     |     |      | -     |
| REW                     |      |        |           | -       | -        | 31.9     | 25.0    | 36.0     | 16.2  | 23.7  |     |      | -     |
| RICES LANDING L 6       |      |        |           |         |          | -        | 21.0    | 19.0     | 1.0   | T     |     |      | -     |
| RIOGWAY 3 W             |      |        |           | 5.0     | 1.1      | 24.1     | 25.9    | 23.7     | 6.0   | 7.5   | T   |      | 93.3  |
| RUSHVILLE               |      |        |           | T       | T        | 12.0     | 10.6    | 18.8     | 10.5  | 6.6   |     |      | 58.5  |
| RUSSELL                 |      |        |           |         |          | 26.0     | 22.0    | 23.5     | -     | -     |     |      | -     |
| SAGAMORE 1 S            |      |        |           | 1.0     | T        | 23.5     | 20.5    | 19.5     | 1.0   | 1.0   | T   |      | 66.5  |
| SALINA 3 W              |      |        |           | 1.5     | -        | 21.3     | 27.2    | 24.0     | T     | T     |     |      | -     |
| SAXTON                  |      |        |           |         | T        | 14.1     | 21.0    | 25.0     | -     | 7.0   |     |      | -     |
| SCHENLEY LOCK 5         |      |        |           | T       | T        | 16.5     | 17.0    | 25.5     | T     | .5    |     |      | 59.5  |
| SCRANTON                |      |        |           |         |          | 13.0     | 11.6    | 12.8     | 5.0   | 2.6   |     |      | 45.0  |
| SCRANTON WB AIRPORT     |      |        |           | .4      | .7       | 19.0     | 19.0    | 16.9     | 9.3   | 8.4   |     |      | 73.7  |
| SHAMOKIN                |      |        |           | -       | T        | -        | -       | 16.0     | T     | -     |     |      | -     |
| SHIPPENSBURG            |      |        |           | 1.0     | T        | 21.0     | 30.0    | 26.5     | 5.0   | 9.0   |     |      | 92.5  |
| SINNEMAHONING           |      |        |           | T       | T        | 15.5     | 13.5    | 20.0     | 7.0   | 3.0   |     |      | 59.0  |
| SIZERVILLE              |      |        |           | T       | -        | -        | -       | -        | -     | -     |     |      | -     |
| SLIPPERY ROCK           |      |        |           |         |          | 26.0     | 14.0    | 13.0     | 1.0   | 3.0   |     |      | 57.0  |
| SOMERSET FAIRVIEW ST    |      |        |           | 3.0     | 7.0      | 41.3     | 47.0    | 46.5     | 16.0  | 18.0  |     |      | 178.8 |
| SOUTH MOUNTAIN          |      |        |           | T       | 3.4      | 16.4     | 27.5    | 35.4     | 2.9   | 12.4  |     |      | 98.0  |
| SPRING GROVE            |      |        |           | T       | T        | 16.0     | -       | 22.8     | T     | 1.5   |     |      | -     |
| STATE COLLEGE           |      |        |           | .9      | .3       | 19.4     | 24.4    | 23.6     | 9.9   | 13.4  |     |      | 91.9  |
| STOYSTOWN               |      |        |           | -       | -        | -        | -       | -        | -     | -     | T   |      | -     |
| STRAUSTOWN              |      |        |           | T       | -        | 13.1     | 20.2    | 16.6     | 2.4   | 4.2   |     |      | 56.5  |
| STROUOSBURG             |      |        |           | T       | T        | 20.8     | 34.5    | 20.4     | 13.4  | 9.5   | T   |      | 98.6  |
| STUMP CREEK             |      |        |           | T       | T        | 17.2     | 14.0    | 14.0     | 2.8   | -     |     |      | -     |
| SUNBURY                 |      |        |           | T       | T        | 16.5     | 16.5    | 14.5     | 4.5   | -     |     |      | -     |
| SUSQUEHANNA             |      |        |           | .5      | T        | 22.4     | 19.8    | 22.5     | 10.5  | 7.4   | T   |      | 83.1  |
| SUTERSVILLE             |      |        |           |         | T        | -        | -       | 12.0     | -     | -     |     |      | -     |
| TAMAQUA                 |      |        |           | T       |          | 15.5     | 19.0    | 19.0     | 4.0   | 9.0   |     |      | 66.5  |
| TAMAQUA 4 N DAM         |      |        |           | -       | -        | -        | -       | -        | -     | -     |     |      | -     |
| TAMARACK 2 S FIRE TOWER |      |        |           | .5      | 1.3      | 20.1     | 18.8    | -        | -     | -     |     |      | -     |
| TIONESTA 2 SE DAM       |      |        |           | 3.6     | 1.0      | 28.5     | 21.6    | 29.5     | 8.5   | 7.0   | T   |      | 99.7  |
| TITUSVILLE WATER WORKS  |      |        |           | 3.0     | -        | -        | 22.0    | 21.0     | 3.0   | 8.0   |     |      | -     |
| TORPECO 4 W             |      |        |           | 10.4    | 7.4      | 27.0     | 11.2    | 15.6     | 10.2  | 18.8  | T   |      | 100.6 |
| TOWANDA                 |      |        |           | T       | .2       | 14.0     | -       | 21.0     | 9.0   | 7.0   |     |      | -     |
| TOWER CITY 5 SW         |      |        |           | .5      | T        | 23.0     | -       | 18.5     | 4.0   | -     |     |      | -     |
| TOWER CITY 1 S          |      |        |           | -       | -        | -        | -       | -        | -     | -     |     |      | -     |
| TROY                    |      |        |           | -       | T        | 13.6     | 17.1    | 27.1     | 8.0   | 10.0  |     |      | 75.8  |
| TURTLEPOINT 4 NE        |      |        |           | -       | -        | -        | -       | -        | 5.0   | -     |     |      | -     |
| TYRONE 4 NE BALO EAGLE  |      |        |           | T       | T        | 18.5     | 23.0    | 17.0     | 4.0   | 7.0   |     |      | 69.5  |
| UNION CITY FILT PLANT   |      |        |           | .3      | T        | -        | -       | 22.1     | 15.0  | 3.0   |     |      | -     |
| UNIONTOWN               |      |        |           | T       | .4       | 10.0     | 18.3    | 14.8     | 3.0   | 1.8   |     |      | 48.3  |
| VANDERGRIFT             |      |        |           | T       | T        | 19.0     | 19.0    | 26.0     | 1.0   | 2.0   | T   |      | 67.0  |
| VIRGINVILLE             |      |        |           | T       |          | -        | -       | 19.0     | 2.0   | 6.0   |     |      | -     |
| WARREN                  |      |        |           | .6      | 4.2      | 31.1     | 20.0    | 24.2     | 5.5   | 7.5   |     |      | 93.1  |
| WATSONTOWN              |      |        |           | T       | T        | 24.6     | 23.2    | 17.0     | 8.0   | 5.4   |     |      | 78.2  |
| WAYNESBURG 2 W          |      |        |           | T       | T        | 11.0     | 16.8    | 14.0     | .5    | T     |     |      | 42.3  |
| WELLSBORO 3 S           |      |        |           | T       |          | 15.5     | 20.0    | 24.0     | 12.0  | 19.0  | T   |      | 90.5  |
| WEST CHESTER            |      |        |           | T       |          | 8.0      | 19.3    | 17.5     | T     | T     |     |      | 44.8  |
| WEST GROVE 1 SE         |      |        |           | T       |          | -        | 27.0    | 16.0     | 3.0   | -     |     |      | -     |
| WEST HICKORY            |      |        |           | 2.0     | T        | 23.0     | 13.0    | 24.0     | 5.0   | 5.0   |     |      | 72.0  |
| WHITESBURG              |      |        |           | 1.0     | T        | 25.5     | -       | 25.5     | T     | 1.0   | T   |      | -     |
| WILKES BARRE            |      |        |           | T       | T        | 15.1     | 19.6    | 16.4     | 5.2   | -     |     |      | -     |
| WILLIAMSBURG            |      |        |           | 1.5     | T        | 15.9     | 23.5    | 25.0     | 7.2   | 3.5   |     |      | 76.6  |
| WILLIAMSPORT WB AP      |      |        |           | T       | T        | 19.7     | 20.5    | 19.6     | 12.5  | 7.9   |     |      | 80.2  |
| WOLFSBURG               |      |        |           | T       | T        | 16.8     | 20.0    | 29.5     | 5.3   | 5.0   |     |      | 76.6  |
| YORK 3 SSW PUMP STA     |      |        |           | T       | T        | 15.4     | 25.1    | 16.3     | T     | 1.5   |     |      | 58.3  |
| YORK HAVEN              |      |        |           |         |          | 17.5     | 30.0    | 17.5     | T     | T     |     |      | 65.0  |
| ZION GROVE              |      |        |           | T       |          | -        | 20.5    | 16.0     | -     | -     |     |      | -     |
| ZIONSVILLE 3 SE         |      |        |           | T       |          | 13.6     | 21.7    | 20.6     | 1.6   | 1.4   |     |      | 58.9  |

See Reference Notes Following Station Index













## MONTHLY AND SEASONAL HEATING DEGREE DAYS

CONTINUED

Season of 1960 - 1961

PENNSYLVANIA

| Station                 | July | August | September | October | November | December | January | February | March | April | May | June | Total | Long-term means<br>July-June |
|-------------------------|------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|-------|------------------------------|
| PUTNEYVILLE 2 SE DAM    | 61   | 16     | 100       | 532     | 760      | 1405     | 1428    | 1058     | 888   | 754   | 453 | 114  | 7569  |                              |
| OUAKERTOWN 1 E          | 1    | 1      | 46        | 365     | 626      | 1218     | 1327    | 913      | 728   | 536   | 233 | 25   | 6019  |                              |
| READING WB CITY         | 0    | 0      | 24        | 285     | 540      | 1141     | 1184    | 838      | 702   | 488   | 178 | 7    | 5387  |                              |
| RENOVO                  |      |        |           |         |          |          | 1292    |          | 791   | 587   | 293 | 42   |       |                              |
| RIDGWAY 3 W             | 47   | 9      | 85        | 516     | 744      | 1406     | 1470    | 1024     | 859   | 695   | 384 | 84   | 7323  | 5060                         |
| SALINA 3 W              | 39   |        | 62        | 425     |          | 1265     | 1329    | 905      | 725   | 630   | 338 | 68   |       |                              |
| SCRANTON                | 7    | 0      | 59        | 388     | 635      | 1270     | 1333    | 994      | 873   | 612   | 271 | 38   | 6480  |                              |
| SCRANTON WB AIRPORT     | 8    | 4      | 92        | 446     | 700      | 1331     | 1422    | 1005     | 922   | 684   | 293 | 44   | 6951  |                              |
| SHIPPENSBURG            | 1    | 0      | 30        | 332     | 612      | 1223     | 1242    | 884      | 691   | 539   | 224 | 22   | 5800  |                              |
| SLIPPERY ROCK           | 10   | 0      | 30        | 368     | 630      | 1271     | 1287    | 876      | 754   | 642   | 307 | 53   | 6228  |                              |
| STATE COLLEGE           | 22   | 5      | 82        | 440     | 650      | 1307     | 1310    | 951      | 836   | 662   | 329 | 45   | 6639  |                              |
| STOYSTOWN               |      |        |           |         |          |          |         |          |       | 574   | 420 | 108  |       |                              |
| STROUDSBURG             | 23   | 10     | 98        | 460     | 721      | 1320     | 1453    | 1030     | 897   | 637   | 301 | 51   | 7001  |                              |
| SUNBURY                 | 9    | 2      | 70        | 394     | 652      | 1331     | 1346    | 978      | 809   | 560   | 252 | 28   | 6431  |                              |
| TAMARACK 2 S FIRE TOWER |      |        |           | 569     | 732      | 1418     | 1411    |          |       |       |     |      |       |                              |
| TIONESTA 2 SE DAM       | 44   | 10     | 61        | 494     | 716      | 1427     | 1441    | 1077     | 867   | 732   | 425 | 98   | 7392  |                              |
| TITUSVILLE WATER WORKS  | 55   | 18     | 80        | 530     | 753      | 1415     | 1509    | 1081     | 932   | 759   | 441 | 138  | 7711  |                              |
| TOWANDA                 | 19   | 9      | 73        | 478     | 697      | 1341     |         | 1033     | 882   | 639   | 312 | 44   |       |                              |
| TOWER CITY 1 S          |      |        |           |         |          |          |         |          |       | 630   |     |      |       |                              |
| UNIONTOWN               | 6    | 0      | 29        | 324     | 611      | 1155     | 1190    | 795      | 626   | 556   | 262 | 40   | 5594  |                              |
| WARREN                  | 26   | 6      | 69        | 465     | 690      | 1312     | 1345    | 965      | 847   | 674   | 345 | 65   | 6809  |                              |
| WAYNESBURG 2 W          | 14   | 1      | 45        | 396     | 683      | 1235     | 1258    | 828      | 648   | 597   | 291 | 73   | 6069  |                              |
| WELLSBORO 3 S           | 61   | 32     | 151       | 534     | 736      | 1426     | 1454    | 1077     | 1000  | 764   | 423 | 103  | 7761  |                              |
| WEST CHESTER            | 0    | 0      | 40        | 303     | 530      | 1170     | 1226    | 878      | 731   | 509   | 228 | 16   | 5631  |                              |
| WILLIAMSPORT WB AP      | 4    | 2      | 60        | 422     | 698      | 1325     | 1369    | 976      | 822   | 581   | 264 | 28   | 6551  |                              |
| YORK 3 SSW PUMP STA     | 0    | 0      | 22        | 290     | 569      | 1183     | 1282    | 880      | 663   | 514   | 208 | 14   | 5625  | 5898                         |

See Reference Notes Following Station Index

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DELAYED DATA

| Station               | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
|-----------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|--------------|-------|--------------------------------|--------------|------|--------------|--------------|-------|---------------------|------|------------|------------|-------------|
|                       | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No of Days   |              |               |              | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet  |              |       | No of Days          |      |            |            |             |
|                       |                 |                 |         |                                |         |      |        |      |             | Max          | Min          | 12" or Above  | 12" or Below |       |                                |              |      | 12" or Below | 12" or Below | Total | Max Depth on Ground | Date | 10 or More | 50 or More | 100 or More |
|                       |                 |                 |         |                                |         |      |        |      |             | 12" or Above | 12" or Below | 12" or Below  | 12" or Below |       |                                |              |      |              |              |       |                     |      |            |            |             |
| JUNE 1960             |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| MONROE                | 74.4M           | 53.4M           | 63.9M   | 1.4                            | 81      | 5    | 40     | 10   | 65          | 0            | 0            | 0             | 0            | 3.33  | 1.00                           | 1.32         | 12   | .0           | 0            |       |                     |      | 5          | 3          | 1           |
| JULY 1960             |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| MONROE                | 76.9M           | 53.0M           | 65.0M   | - 2.0                          | 83      | 12   | 45     | 5    | 41          | 0            | 0            | 0             | 0            |       |                                |              |      | .0           | 0            |       |                     |      |            |            |             |
| AUGUST 1960           |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| MONROE                | 77.0M           | 57.4M           | 67.2M   | 2.0                            | 85      | 29   | 44     | 26   | 22          | 0            | 0            | 0             | 0            |       |                                |              |      | .0           | 0            |       |                     |      |            |            |             |
| DECEMBER 1960         |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| TAMARACK 2 S FIRE TWR | 27.7            | 10.5            | 19.1    |                                | 58      | 7    | - 3    | 25+  | 1418        | 0            | 20           | 31            | 5            | 2.02  |                                | .80          | 21   | 20.1         | 16           | 23+   |                     | 5    | 2          | 0          |             |
| JANUARY 1961          |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| CLERMONT 4 NW         | 29.2            | 7.5             | 18.4    |                                | 53      | 13   | -21    | 21   | 1440        | 0            | 19           | 31            | 12           | 1.73  |                                | .75          | 1    | 25.0         | 23           | 6+    |                     | 4    | 1          | 0          |             |
| MARION CENTER 2 SE    | 27.1            | 11.4            | 19.3    |                                | 49      | 15   | -16    | 25   | 1411        | 0            | 18           | 31            | 6            | 2.28  |                                | .80          | 1    | 27.9         | 65           | 25    |                     | 6    | 1          | 0          |             |
| RENOVO                | 33.6            | 12.6            | 23.1    |                                | 55      | 8    | - 8    | 22   | 1292        | 0            | 13           | 30            | 5            | 1.47  | - 1.02                         | .73          | 1    |              | 15           | 3+    |                     | 2    | 1          | 0          |             |
| FEBRUARY 1961         |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| CLERMONT 4 NW         | 38.9            | 18.0            | 28.5    |                                | 60      | 24   | -34    | 2    | 1019        | 0            | 7            | 27            | 4            | 2.70  |                                | 1.02         | 4    | 25.0         | 34           | 4     |                     | 5    | 2          | 1          |             |
| EAGLES MERE           | 33.6M           | 12.5M           | 23.1M   |                                | 52      | 26   | -23    | 15   | 1167        | 0            | 10           |               | 6            | 2.25  |                                | .75          | 26   | 15.5         |              |       |                     | 5    | 2          | 0          |             |
| MARION CENTER 2 SE    | 36.5            | 20.9            | 28.7    |                                | 66      | 25   | 9      | 7+   | 1011        | 0            | 10           | 24            | 1            | 4.50  |                                | 1.19         | 26   | 33.3         | 31           | 4     |                     | 10   | 3          | 2          |             |
| MARCH 1961            |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| CLERMONT 4 NW         | 46.1            | 25.3            | 35.7    |                                | 74      | 28   |        | 5    | 18+         | 900          | 0            | 3             | 26           | 0     | 2.85                           |              | .76  | 10           |              |       |                     |      |            | 0          |             |
| MARION CENTER 2 SE    | 46.3            | 29.5            | 37.9    |                                | 73      | 28   |        | 9    | 17          | 857          | 0            | 3             | 24           | 0     | 4.20                           |              | .77  | 5            | 2.8          | 2     | 11+                 |      | 11         | 1          | 0           |
| APRIL 1961            |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| OIXON                 | 52.9            | 31.1            | 42.0    |                                | 70      | 24   |        | 20   | 9+          | 684          | 0            | 0             | 22           | 0     | 4.65                           |              | .71  | 10           |              |       |                     | 11   | 4          | 0          |             |
| MAY 1961              |                 |                 |         |                                |         |      |        |      |             |              |              |               |              |       |                                |              |      |              |              |       |                     |      |            |            |             |
| CLARION 3 SW          | 63.4            | 36.3            | 49.9    |                                | 80      | 15   |        | 22   | 5           | 461          | 0            | 0             | 13           | 0     | 3.71                           |              | .79  | 7            | .0           | 0     |                     | 8    | 4          | 0          |             |

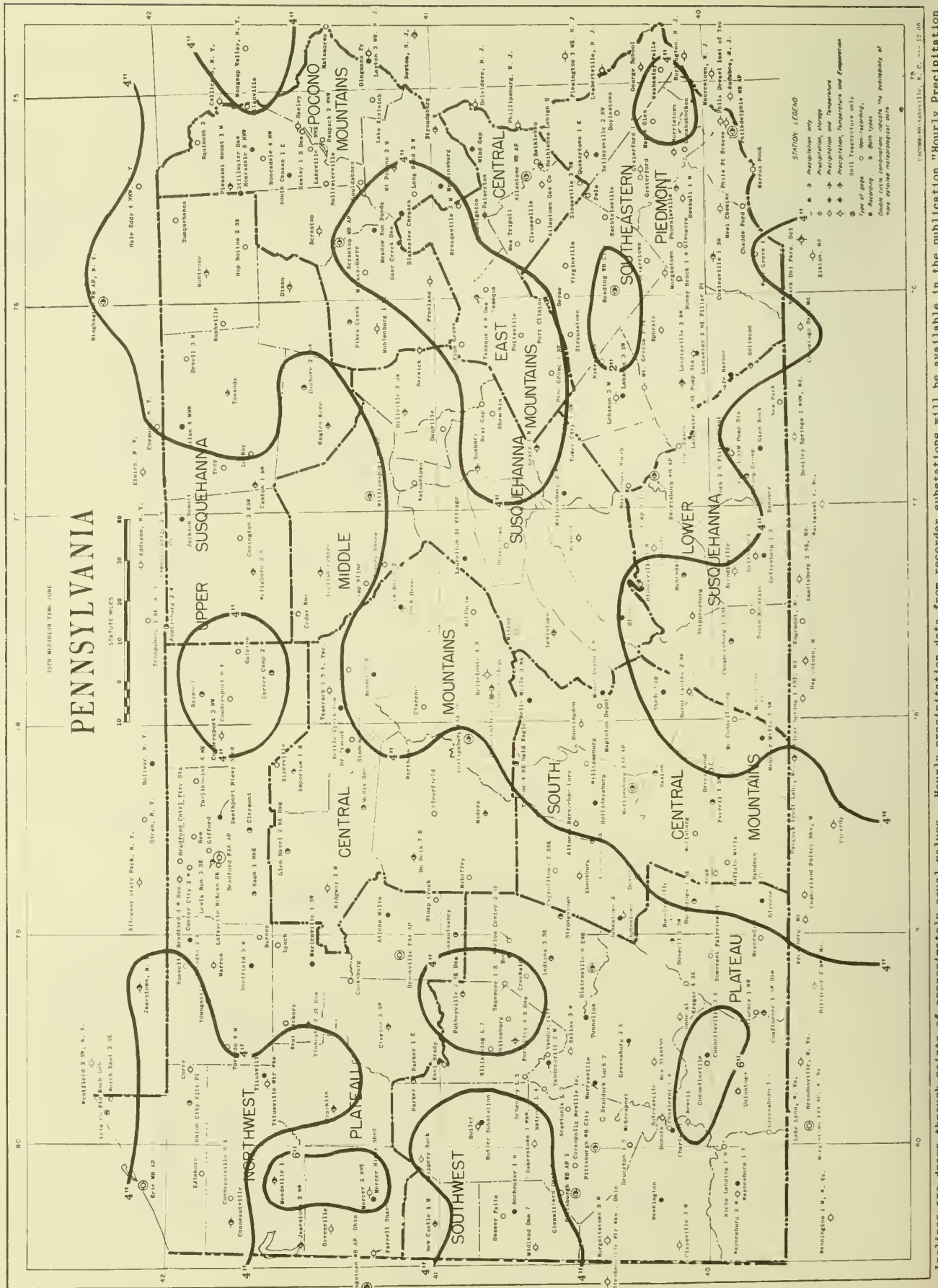
See Reference Notes Following Station Index





# TOTAL PRECIPITATION

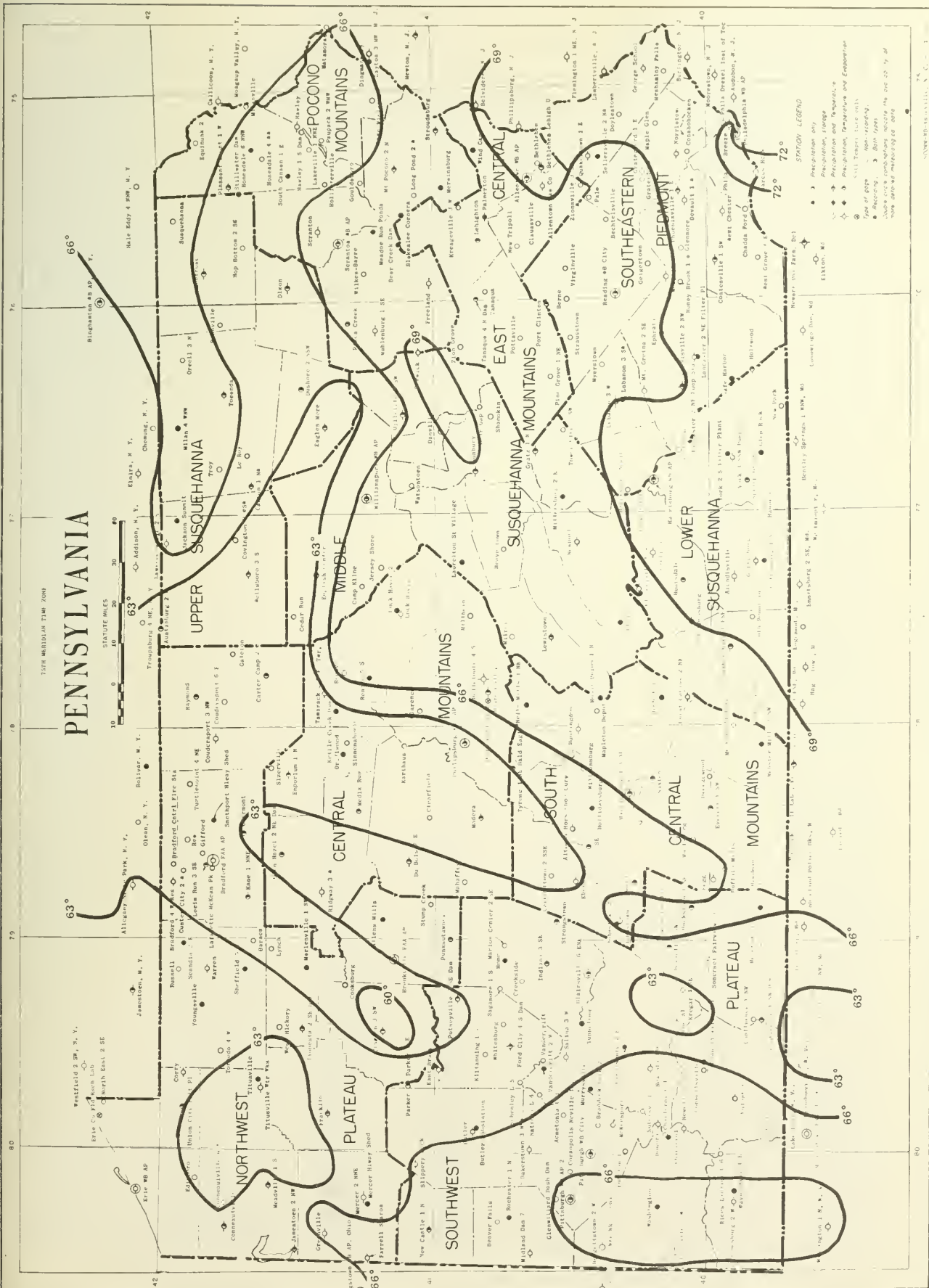
PENNSYLVANIA  
JUNE 1961



Isobars are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JUNE 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.







REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- \* Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

51.05  
LNP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

JULY 1961

Volume 66 No. 7



ASHEVILLE: 1961

DEPARTMENT OF THE

JUL 22 1961

CLIP 57

PENNSYLVANIA - JULY 1961  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 98° on the 23rd at Philadelphia Pt Breeze

Lowest Temperature: 32° on the 10th at Clermont 4 NW and  
Coudersport 3 NW

Greatest Total Precipitation: 10.83 inches at Neshaminy Falls

Least Total Precipitation: 1.80 inches at South Mountain

Greatest One-Day Precipitation: 4.38 inches on the 25th at Port  
Clinton







DAILY PRECIPITATION

PENNSYLVANIA JULY 1961

Continued

Table with columns: Station, Total, Day of Month (1-31). Rows include stations like KEGG, KITTANNING LOCK 7, KRESGEVILLE 3 W, etc. Values represent precipitation amounts for each day.

See reference notes following Station Index



# DAILY PRECIPITATION

PENNSYLVANIA  
JULY 1961

Continued

| Station             | Total | Day of Month |     |     |     |     |     |     |     |     |     |    |     |     |     |      |     |     |     |     |     |      |     |     |      |      |     |      |      |     |     |     |
|---------------------|-------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|-----|------|------|-----|------|------|-----|-----|-----|
|                     |       | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11 | 12  | 13  | 14  | 15   | 16  | 17  | 18  | 19  | 20  | 21   | 22  | 23  | 24   | 25   | 26  | 27   | 28   | 29  | 30  | 31  |
| WILLIAMSBURG        | 3.19  |              |     | .36 |     |     |     | .09 |     | .08 | .11 |    |     | .42 | .12 | .17  |     | .09 | .13 | .08 | .56 |      |     | .08 | .03  | .05  | .04 |      |      | .40 | .13 | .33 |
| WILLIAMSPORT WB AP  | 5.49  | T            | .23 | T   |     |     | .06 |     |     |     |     | T  |     | .45 | .11 | .66  | .13 | .12 |     | .04 | .68 |      | .02 | .06 | 2.02 | .02  | T   |      | .09  | .83 | .01 |     |
| WOLFSBURG           | 2.33  | .02          |     | .14 |     | .01 |     |     |     |     |     |    |     | .36 | .11 | .50  |     | .10 |     |     | .12 |      |     |     | .02  | .40  |     |      | .33  | .21 | .01 |     |
| YORK 3 SSW PUMP STA | 5.02  |              |     | .08 |     |     | .63 | .22 |     | .03 |     |    |     | .23 | .57 | .88  | .82 | .24 | .08 | .19 | .70 |      |     |     | .24  | .02  |     |      | .89  |     |     |     |
| YORK HAVEN          | 4.93  |              |     | .06 | .05 | .01 |     | .09 |     | .05 |     |    |     | .40 | .75 | .08  | .34 | .04 | .02 |     |     | 1.42 |     |     |      | .15  | .06 |      | 1.30 | .11 |     |     |
| ZION GROVE          | 3.24  | .09          |     | .13 |     |     |     |     | .03 |     | .01 |    |     | .47 | .03 |      | .60 |     |     |     |     | 1.25 |     |     |      | .35  |     |      | .07  | .21 |     |     |
| ZIONSVILLE 3 SE     | 8.45  |              | .02 | .07 |     |     |     |     |     |     |     |    | .33 | .40 | .01 | 1.97 | .01 |     |     |     |     | 1.95 | .34 | T   |      | 1.41 |     | 1.19 | .55  |     |     |     |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | SW             | 16                              | 7.5                 | 38           | WSW                       | 2                    | 87                                   | 87         | 55         | 64         | 10                                | 2     | 3     | 3     | 0       | 2            | 20                           | -                                   | 5.9   |
| ERIE WB AIRPORT         | S              | 19                              | 10.4                | 37           | WSW                       | 23                   | 82                                   | 79         | 65         | 65         | 7                                 | 4     | 4     | 1     | 1       | 0            | 17                           | -                                   | 5.8   |
| HARRISBURG WB AIRPORT   | W              | 19                              | 7.2                 | 23           | NW                        | 2                    | 84                                   | 83         | 53         | 63         | 2                                 | 8     | 5     | 0     | 2       | 1            | 18                           | 66                                  | 6.3   |
| PHILADELPHIA WB AIRPORT | WSW            | 23                              | 7.3                 | 34           | SW                        | 24                   | 83                                   | 80         | 58         | 66         | 5                                 | 3     | 3     | 1     | 3       | 0            | 15                           | 65                                  | 6.3   |
| PITTSBURGH WB AIRPORT 2 | SW             | 19                              | 7.0                 | 32           | NW                        | 2                    | 85                                   | 87         | 61         | 71         | 5                                 | 6     | 2     | 2     | 3       | 0            | 18                           | 63                                  | 7.1   |
| READING WB CITY         | W              | -                               | 7.6                 | 34           | N                         | 1                    | -                                    | -          | -          | -          | 3                                 | 4     | 3     | 2     | 1       | 1            | 14                           | 66                                  | 6.5   |
| SCRANTON WB AIRPORT     | WSW            | 13                              | 7.1                 | 22           | W                         | 3                    | 80                                   | 83         | 55         | 61         | 5                                 | 8     | 5     | 3     | 1       | 0            | 22                           | 56                                  | 6.4   |
| WILLIAMSPORT WB AIRPORT | W              | 12                              | 5.4                 | 29           | NW                        | 24                   | 91                                   | 91         | 55         | 66         | 5                                 | 7     | 4     | 3     | 0       | 1            | 20                           | -                                   | 6.9   |

See reference notes following Station Index







# EVAPORATION AND WIND

PENNSYLVANIA  
JULY 1961

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total<br>for<br>Avg |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |                     |
| BELLEFONTE 4 S      | EVAP | .44          | .51 | .18 | .32 | .02 | .13 | .33 | .21 | .16 | .24 | .14 | .21 | .28 | .42 | .39 | .13 | .21 | .39 | .10 | .04 | .44 | *   | *   | .49 | *   | .95 | .16 | .07 | .41 | .10 | .27 | 7.74                |
|                     | WIND | 8            | 10  | 14  | 12  | 6   | 4   | 3   | 6   | 5   | 4   | 7   | 7   | 7   | 5   | 6   | 4   | 8   | 8   | 7   | 3   | 6   | 2   | 3   | 3   | 11  | 8   | 3   | 3   | 5   | 5   | 188 |                     |
| CONFLUENCE 1 SW DAM | EVAP | .15          | .12 | .39 | .17 | .12 | .16 | .15 | .15 | .12 | .13 | .19 | .23 | .10 | .11 | .18 | .11 | .05 | .13 | .16 | .16 | .48 | .09 | .20 | .19 | .17 | .22 | .12 | .20 | .22 | .13 | .36 | 5.48                |
|                     | WIND | 15           | 39  | 82  | 33  | 16  | 29  | 29  | 19  | 27  | 36  | 32  | 27  | 25  | 41  | 12  | 18  | 37  | 20  | 30  | 43  | 26  | 12  | 22  | 26  | 50  | 10  | 29  | 57  | 21  | 30  | 47  | 940                 |
| FORD CITY 4 S DAM   | EVAP | .14          | .25 | .31 | .29 | .15 | .14 | .22 | .20 | .10 | .22 | .18 | .21 | .21 | .12 | .20 | .09 | .13 | .17 | .15 | .04 | .08 | .22 | .21 | .21 | .20 | .25 | .10 | .21 | .18 | .06 | .27 | 5.51                |
|                     | WIND | 16           | 35  | 68  | 60  | 34  | 11  | 11  | 20  | 12  | 31  | 29  | 29  | 31  | 39  | 39  | 29  | 33  | 19  | 26  | 22  | 18  | 20  | 18  | 26  | 39  | 58  | 22  | 15  | 20  | 21  | 29  | 880                 |
| JAMESTOWN 2 NW      | EVAP | .20          | .25 | .14 | .27 | .14 | .17 | .22 | .14 | .15 | .19 | .16 | .20 | .20 | .06 | .16 | .07 | .14 | .16 | .19 | .09 | .15 | .08 | -   | -   | .08 | .15 | .13 | .19 | .14 | .16 | .19 | 84.89               |
|                     | WIND | 20           | 22  | 35  | 29  | 17  | 20  | 2   | 31  | 10  | 17  | 23  | 2   | 17  | 23  | 1   | 12  | 25  | 10  | 12  | 13  | 9   | 7   | 12  | 23  | 7   | 6   | 17  | 5   | 7   | *   | 24  | 458                 |
| LANDISVILLE 2 NW    | EVAP | .28          | .20 | .33 | .23 | .22 | .23 | .17 | .12 | .28 | .27 | .29 | .29 | .23 | -   | .27 | .23 | .13 | .22 | .24 | -   | .26 | .24 | .23 | .19 | .27 | .25 | .31 | .25 | -   | .07 | .12 | 87.11               |
|                     | WIND | 58           | 21  | 54  | 32  | 61  | 38  | 26  | 28  | 68  | 63  | 47  | 45  | 64  | 24  | 39  | 59  | 26  | 35  | 30  | 57  | 41  | 20  | 24  | 13  | 56  | 27  | 55  | 35  | 38  | 132 | 27  | 1343                |

# DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time             | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|-------------------------|------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                         |                  | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |
| ERIE CO FIELD RSCH LAB  | 8 INCHES         | MAX          | 78 | 76 | 76 | 76 | 76 | 77 | 76 | 76 | 77 | 78 | 80 | 81 | 80 | 79 | 78 | 77 | 79 | 81 | 80 | 82 | 81 | 80 | 80 | 79 | 79 | 79 | 80 | 80 | 79 | 79 | 78.7    |      |
|                         |                  | MIN          | 72 | 74 | 72 | 71 | 69 | 70 | 71 | 71 | 70 | 71 | 73 | 75 | 76 | 74 | 75 | 73 | 73 | 73 | 75 | 75 | 75 | 76 | 76 | 77 | 76 | 75 | 75 | 75 | 76 | 76 | 76      | 73.7 |
| LANDISVILLE 2 NW        | 2 INCHES<br>8 AM | MAX          | 67 | 68 | 69 | 65 | 64 | 62 | 64 | 65 | 62 | 62 | 62 | 64 | 66 | 68 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 72 | 72 | 73 | 72 | 72 | 70 | 70 | 71 | 71 | 72      | 68.2 |
|                         |                  | MIN          | 67 | 68 | 69 | 65 | 64 | 62 | 64 | 65 | 62 | 62 | 62 | 64 | 66 | 68 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 72 | 72 | 73 | 72 | 72 | 70 | 70 | 71 | 71 | 72      | 68.2 |
| STATE COLLEGE 2         | 2 INCHES         | MAX          | 81 | 80 | 76 | 71 | 76 | 79 | 75 | 72 | 74 | 76 | 79 | 81 | 80 | 80 | 79 | 77 | 77 | 78 | 76 | 76 | 81 | 81 | 82 | 83 | 81 | 77 | 82 | 80 | 77 | 81 | 78      | 78.3 |
|                         |                  | MIN          | 66 | 67 | 67 | 62 | 59 | 60 | 63 | 60 | 58 | 57 | 60 | 63 | 67 | 67 | 67 | 69 | 67 | 66 | 65 | 68 | 68 | 68 | 71 | 72 | 70 | 69 | 67 | 68 | 70 | 69 | 71      | 65.8 |
|                         | 4 INCHES         | MAX          | 77 | 77 | 74 | 69 | 74 | 77 | 74 | 70 | 72 | 73 | 75 | 78 | 77 | 78 | 76 | 76 | 75 | 74 | 74 | 78 | 79 | 80 | 81 | 79 | 75 | 79 | 78 | 76 | 79 | 76 | 76.0    |      |
|                         |                  | MIN          | 66 | 67 | 67 | 63 | 60 | 61 | 64 | 61 | 59 | 59 | 61 | 63 | 67 | 67 | 67 | 69 | 68 | 67 | 66 | 68 | 68 | 69 | 71 | 72 | 70 | 70 | 68 | 70 | 70 | 70 | 71      | 66.4 |
|                         | 8 INCHES         | MAX          | 72 | 72 | 71 | 69 | 69 | 72 | 69 | 67 | 68 | 68 | 70 | 71 | 72 | 73 | 72 | 73 | 72 | 72 | 71 | 71 | 74 | 75 | 75 | 76 | 75 | 73 | 75 | 74 | 73 | 75 | 74      | 72.0 |
|                         |                  | MIN          | 67 | 68 | 68 | 65 | 63 | 64 | 66 | 64 | 62 | 62 | 63 | 65 | 67 | 68 | 68 | 69 | 69 | 68 | 67 | 68 | 69 | 70 | 71 | 72 | 71 | 71 | 70 | 71 | 71 | 70 | 70      | 72   |
|                         | 12 INCHES        | MAX          | 68 | 69 | 69 | 69 | 66 | 68 | 68 | 66 | 66 | 65 | 66 | 67 | 67 | 69 | 69 | 70 | 69 | 69 | 69 | 69 | 70 | 71 | 72 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72      | 69.3 |
|                         |                  | MIN          | 66 | 67 | 67 | 66 | 64 | 65 | 65 | 65 | 63 | 64 | 63 | 65 | 66 | 67 | 67 | 68 | 68 | 68 | 68 | 68 | 69 | 70 | 71 | 71 | 71 | 71 | 70 | 71 | 71 | 71 | 70      | 71   |
|                         | 16 INCHES        | MAX          | 67 | 67 | 68 | 68 | 65 | 67 | 67 | 66 | 65 | 65 | 65 | 65 | 66 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 69 | 69 | 70 | 71 | 71 | 71 | 71 | 71 | 71 | 71      | 68.1 |
|                         |                  | MIN          | 65 | 66 | 67 | 65 | 64 | 65 | 65 | 64 | 63 | 63 | 63 | 64 | 65 | 66 | 67 | 67 | 67 | 67 | 67 | 67 | 68 | 68 | 68 | 69 | 69 | 70 | 70 | 70 | 70 | 70 | 70      | 70   |

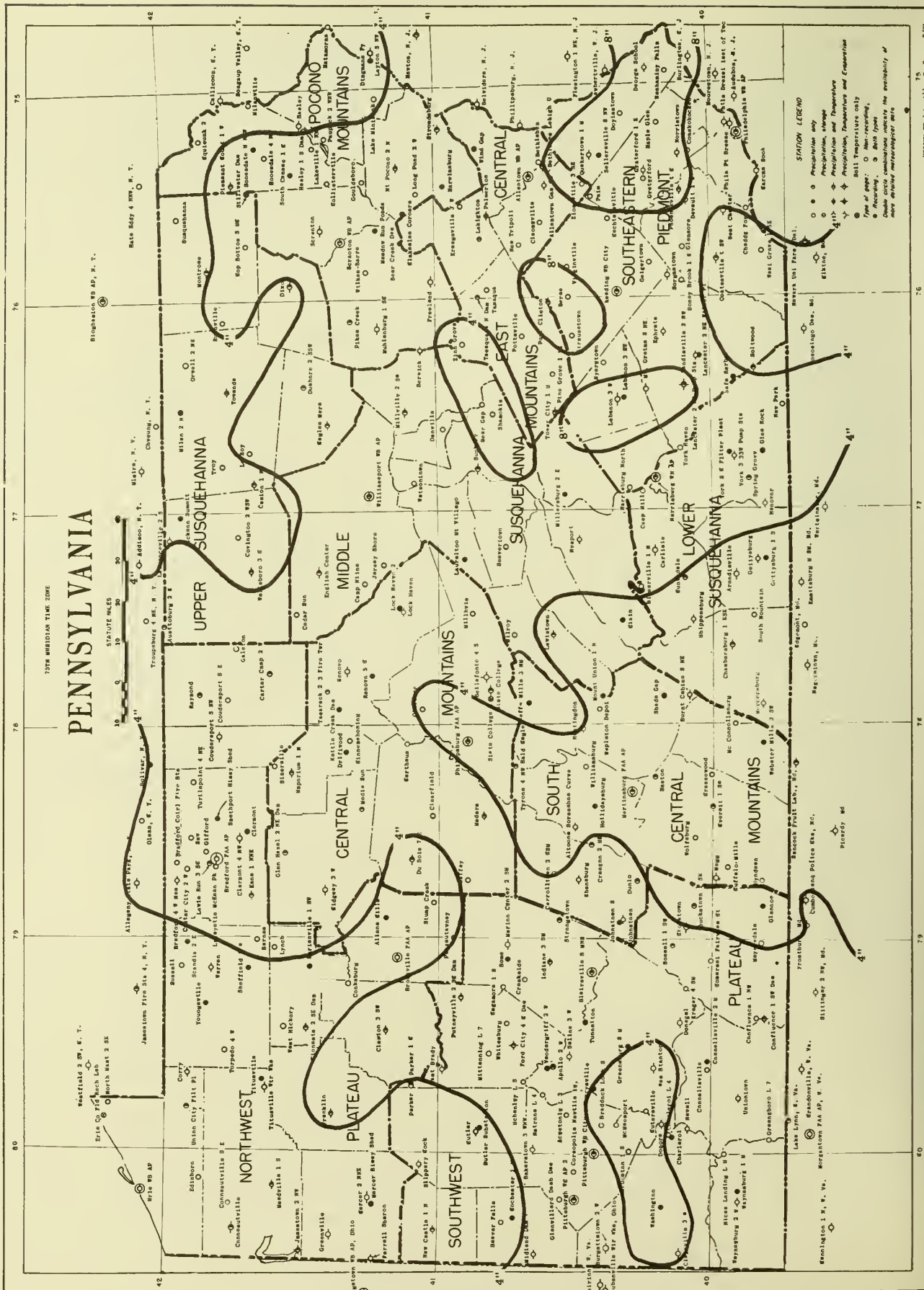
Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

# TOTAL PRECIPITATION

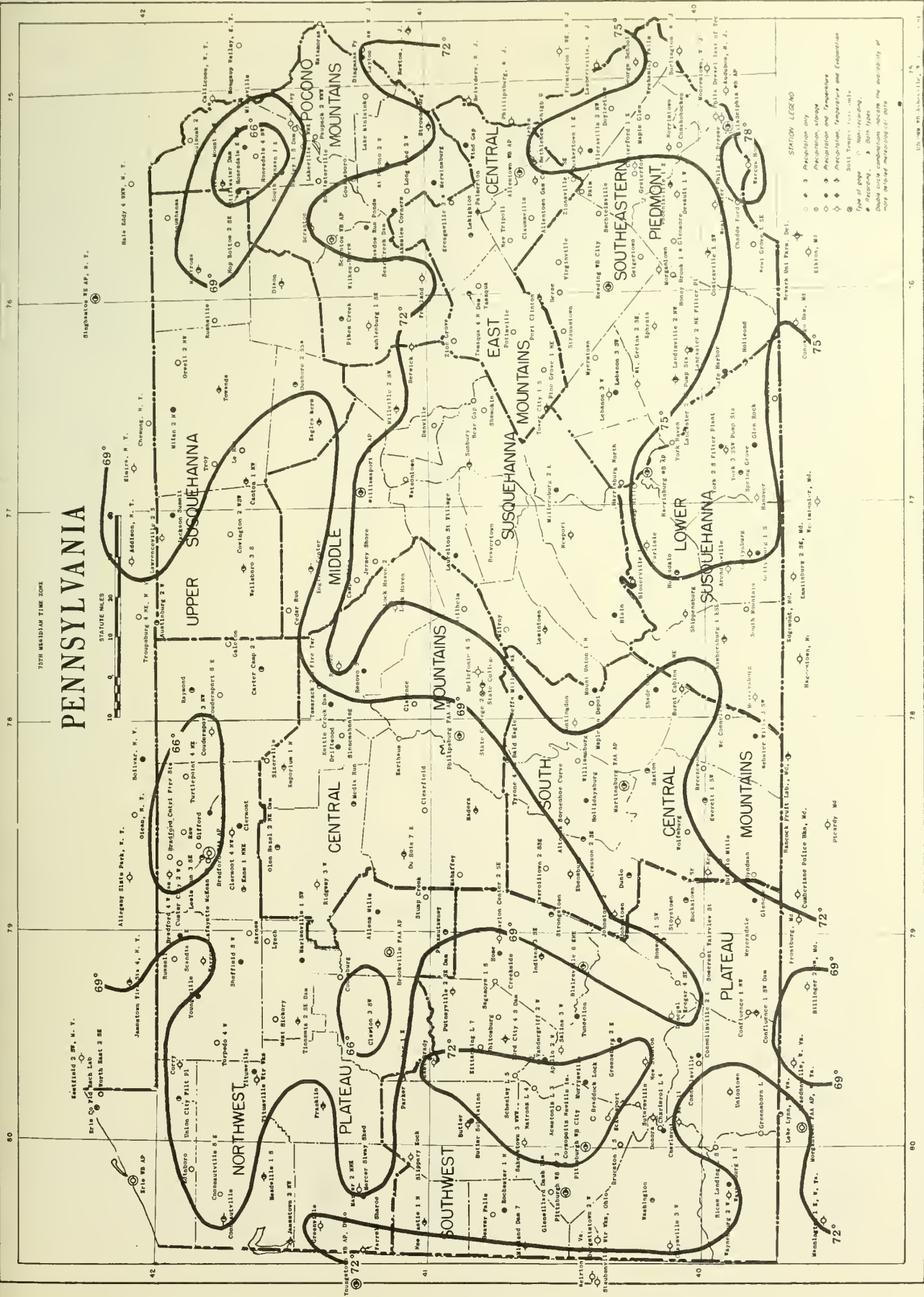
PENNSYLVANIA  
JULY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
JULY 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





# STATION INDEX

PENNSYLVANIA  
JULY 1961

CONTINUED

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |         | OBSERVER                | STATION               | INDEX NO. | COUNTY      | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                           | OBSERVER       |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|---------|-------------------------|-----------------------|-----------|-------------|------------|----------|-----------|-----------|-----------------------------|---------|---------------------------|----------------|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | SPECIAL |                         |                       |           |             |            |          |           |           | TEMP.                       | PRECIP. | SPECIAL                   |                |
| STATE COLLEGE          | 8449      | CENTRE       | 16         | 40 48    | 77 52     | 1175      | 7A                          | 7A      | C       | PA. STATE UNIVERSITY    | WEST GROVE I SE       | 9503      | CHESTER     | 5          | 39 48    | 75 48     | 450       | 8A                          |         | CONARD-PYLE CO.           |                |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16         | 40 48    | 77 52     | 1180      |                             |         | G       | PA. STATE UNIVERSITY    | WEST HICKORY          | 9507      | FOREST      | 1          | 41 34    | 79 25     | 1090      | 7A                          |         | MRS. HELEN F. KINNEAR     |                |
| STILLWATER DAM         | 8493      | SUSQUEHANNA  | 15         | 41 41    | 75 29     | 1645      |                             |         | C       | CORPS OF ENGINEERS      | WHITESBURG            | 9455      | ARMSTRONG   | 1          | 40 45    | 79 24     | 1530      | 7A                          |         | CORPS OF ENGINEERS        |                |
| STOYSTOWN              | 8560      | SOMERSET     | 4          | 40 06    | 78 57     | 1800      | 9A                          | 9A      | C       | VERNON MONG             | WILKES-BARRE          | 9702      | LAZERNE     | 15         | 41 15    | 75 52     | 610       | 7A                          |         | MRS. MARY G. MIRNAK       |                |
| STRAUSTOWN             | 8570      | BERKS        | 14         | 40 29    | 76 11     | 600       |                             |         | 8A      | JACOB KLAHR             | WILLIAMSBURG          | 9714      | BLAIR       | 6          | 40 28    | 78 12     | 860       | 7A                          |         | MYRON K. BIDDLE           |                |
| STRONGSTOWN            | 8589      | INDIANA      | 4          | 40 33    | 78 59     | 1880      |                             |         | C       | HARRY F. BENNETT        | WILLIAMSPORT WB AP    | 9728      | LYCOMING    | 16         | 41 15    | 76 55     | 527       | MID                         | MID     | C. H. U.S. WEATHER BUREAU |                |
| STRUDSBURG             | 8596      | HONDE        | 5          | 40 59    | 75 12     | 480       | 11P                         | 11P     | C       | WILLIAM HAGERTY         | WIND GAP              | 9781      | NORTHAMPTON | 5          | 40 51    | 75 18     | 745       |                             |         | MRS. MARY O. HOELZEL      |                |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 50     | 1320      | 7A                          | 7A      | C       | CORPS OF ENGINEERS      | WOLFSBURG             | 9823      | BEDFORD     | 6          | 40 03    | 78 32     | 1190      | 7A                          |         | WALTER C. RICE            |                |
| SUNBURY                | 8648      | NORTHUMBLAND | 19         | 40 52    | 76 47     | 480       | 7A                          | 7A      | C       | CHARLES W. BAYLER       | YORK 3 SSW PUMP STA   | 9933      | YORK        | 15         | 39 55    | 76 49     | 390       | 5P                          |         | YORK WATER COMPANY        |                |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      | 7A                          | 7A      | C       | MRS. LAURA A. BENSON    | YORK 2 S FILTER PLANT | 9938      | YORK        | 15         | 39 56    | 76 44     | 640       |                             |         | YORK WATER COMPANY        |                |
| TAMADUA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 830       |                             |         | 8A      | MRS. MARY L. ROBERTS    | YORK HAVEN            | 9950      | YORK        | 15         | 40 07    | 76 43     | 310       | 8A                          |         | METROPOLITAN EDISON CO.   |                |
| TANQUA 4 N DAM         | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      | 7A                          | 7A      | C       | PANTHER VALLEY MFG. CO. | YOUNGSVILLE           | 9966      | WARREN      | 1          | 41 51    | 79 19     | 1225      | 7A                          |         | HENRY CARLETT             |                |
| TANARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          | 7A      | C       | MRS. FRANCES SWARTZ     | ZION GROVE            | 9990      | SCHUYLKILL  | 15         | 40 54    | 76 13     | 940       | 7A                          |         | JAMES D. TEETER           |                |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 26     | 1200      | 8A                          | 8A      | C       | CORPS OF ENGINEERS      | ZIONSVILLE 3 SE       | 9995      | LEHIGH      | 14         | 40 28    | 75 27     | 680       | 8A                          |         | LESLIE HOWATT             |                |
| TITUSVILLE             | 8889      | CRAWFORD     | 1          | 41 38    | 79 40     | 1550      |                             |         | C       | PA. ELECTRIC CO.        | PUBLICATION ENDED     |           |             |            |          |           |           |                             |         |                           |                |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7P      | C       | CITY OF TITUSVILLE      | SUTERSVILLE           | 8699      | ALLEGHENY   | 17         | 40 14    | 79 48     | 765       |                             |         |                           | EFFECTIVE 7/61 |
| TORPEDO 4 W            | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      | 7A                          | 7A      | C       | MRS. LILY B. GARBER     |                       |           |             |            |          |           |           |                             |         |                           |                |
| TOWANDA 1 ESE          | 8905      | BRADFORD     | 19         | 41 45    | 76 25     | 745       | 7P                          | 7A      | C       | LEVERN ROOT             |                       |           |             |            |          |           |           |                             |         |                           |                |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15         | 40 34    | 76 33     | 790       | 7A                          | 7A      | C       | JOHN HURRY, JR.         |                       |           |             |            |          |           |           |                             |         |                           |                |
| TROY                   | 8959      | BRADFORD     | 15         | 41 47    | 76 47     | 1100      | 7A                          | 7A      | C       | JENNIE L. BALLARD       |                       |           |             |            |          |           |           |                             |         |                           |                |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 890       |                             |         | C       | MRS. MARY E. WEIMER     |                       |           |             |            |          |           |           |                             |         |                           |                |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      | 7A                          | 7A      | C       | ROBERT O. STRAIT        |                       |           |             |            |          |           |           |                             |         |                           |                |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          | 7A      | C       | FREDERICK L. FRIDAY     |                       |           |             |            |          |           |           |                             |         |                           |                |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      | 7A                          | 7A      | C       | HAROLD W. HAMMOND       |                       |           |             |            |          |           |           |                             |         |                           |                |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 54    | 79 44     | 1040      | 10P                         | 10P     | C       | W. W. HARSTELLER        |                       |           |             |            |          |           |           |                             |         |                           |                |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          | 7A      | C       | UNITED ENG. & FDRY. CO. |                       |           |             |            |          |           |           |                             |         |                           |                |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       | 8A                          | 8A      | C       | MRS. MARY M. WRIGHT     |                       |           |             |            |          |           |           |                             |         |                           |                |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      | 7A                          | 7A      | C       | GILBERT W. REIER        |                       |           |             |            |          |           |           |                             |         |                           |                |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         | C       | PA. DEPT. HIGHWAYS      |                       |           |             |            |          |           |           |                             |         |                           |                |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 490       | 9P                          | 9P      | C       | WILLIAM BIRD            |                       |           |             |            |          |           |           |                             |         |                           |                |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      | C       | SAMUEL B. GREENLEE      |                       |           |             |            |          |           |           |                             |         |                           |                |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         | C       | SEWAGE DISPOSAL PLANT   |                       |           |             |            |          |           |           |                             |         |                           |                |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       | 7A                          | 7A      | C       | WILLIAM D. COVER        |                       |           |             |            |          |           |           |                             |         |                           |                |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      | C       | MARION L. SHUMWAY       |                       |           |             |            |          |           |           |                             |         |                           |                |
| WEST CHESTER           | 9464      | CHESTER      | 5          | 39 58    | 75 36     | 640       | 8A                          | 8A      | C       | DAILY LOCAL NEWS        |                       |           |             |            |          |           |           |                             |         |                           |                |

1-ALLEGHENY; 2-BEAVER; 3-4-CONEAUCH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONGONGHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST FRANCH; 17-YOUGHIOGHENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

PENNSYLVANIA

AUGUST 1961

Volume 66      No. 8



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PENNSYLVANIA - AUGUST 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 95° on the 31st at Kegg and Pittsburgh WB AP 2

Lowest Temperature: 34° on the 14th at Clermont 4 NW

Greatest Total Precipitation: 8.25 inches at Pottsville

Least Total Precipitation: 1.52 inches at New Castle 1 N

Greatest One-Day Precipitation: 4.05 inches on the 3rd at Tyrone  
4 NE Bald Eagle











# DAILY PRECIPITATION

PENNSYLVANIA  
AUGUST 1961

Continued

| Station           | Total | Day of Month |     |     |     |   |     |     |   |   |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|-------------------|-------|--------------|-----|-----|-----|---|-----|-----|---|---|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|                   |       | 1            | 2   | 3   | 4   | 5 | 6   | 7   | 8 | 9 | 10 | 11  | 12  | 13  | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |
| DRK 3 SW PUMP STA | 3.19  |              | .15 | .16 |     |   | .42 |     |   |   |    | .06 | .09 |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ORE HAVEN         | 2.44  |              |     | .15 | T   |   |     | .92 |   |   |    |     | .15 | .15 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ON GROVE          | 4.47  |              |     |     |     |   |     | .17 |   |   |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ONSVILLE 3 SE     | 3.35  | .54          |     | .51 | .05 |   |     | .06 |   |   |    |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ELLENTOWN WB AIRPORT    | SW             | 12                              | 7.2                 | 29           | WSW                       | 10                   | 90                                   | 90         | 61         | 69         | 3                                 | 2     | 7     | 1     | 0       | 0            | 13                           | -                                   | 5.4   |
| ERIE WB AIRPORT         | S              | 15                              | 10.9                | 28           | WSW                       | 15                   | 82                                   | 83         | 68         | 70         | 5                                 | 3     | 9     | 2     | 0       | 0            | 19                           | -                                   | 5.7   |
| HARRISBURG WB AIRPORT   | W              | 12                              | 6.9                 | 18           | SW                        | 25                   | 83                                   | 84         | 60         | 68         | 2                                 | 0     | 5     | 3     | 0       | 1            | 11                           | 69                                  | 6.2   |
| PHILADELPHIA WB AIRPORT | WSW            | 14                              | 7.4                 | 19           | NE                        | 21                   | 80                                   | 76         | 59         | 69         | 4                                 | 2     | 4     | 3     | 0       | 0            | 13                           | 67                                  | 6.2   |
| PITTSBURGH WB AIRPORT 2 | SW             | 10                              | 6.3                 | 23           | WNW                       | 19                   | 88                                   | 91         | 61         | 69         | 4                                 | 2     | 5     | 1     | 0       | 0            | 12                           | 67                                  | 6.3   |
| READING WB CITY         | -              | -                               | 7.6                 | 28           | N                         | 13                   | -                                    | -          | -          | -          | 2                                 | 5     | 4     | 2     | 0       | 0            | 13                           | 65                                  | 6.0   |
| SCRANTON WB AIRPORT     | WSW            | 12                              | 6.8                 | 21           | SW                        | 10                   | 83                                   | 85         | 60         | 68         | 6                                 | 4     | 2     | 1     | 2       | 0            | 15                           | 57                                  | 5.8   |
| WILLIAMSPORT WB AIRPORT | W              | 10                              | 5.4                 | 25           | W                         | 3                    | 89                                   | 92         | 60         | 70         | 4                                 | 4     | 4     | 0     | 2       | 0            | 14                           | -                                   | 6.3   |

See reference notes following Station Index



Continued

DAILY TEMPERAT URES

PENNSYLVANIA  
AUGUST 1961

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like EVERETT 1 SW, FARRELL SHARON, FORO CITY 4 S OAM, etc.

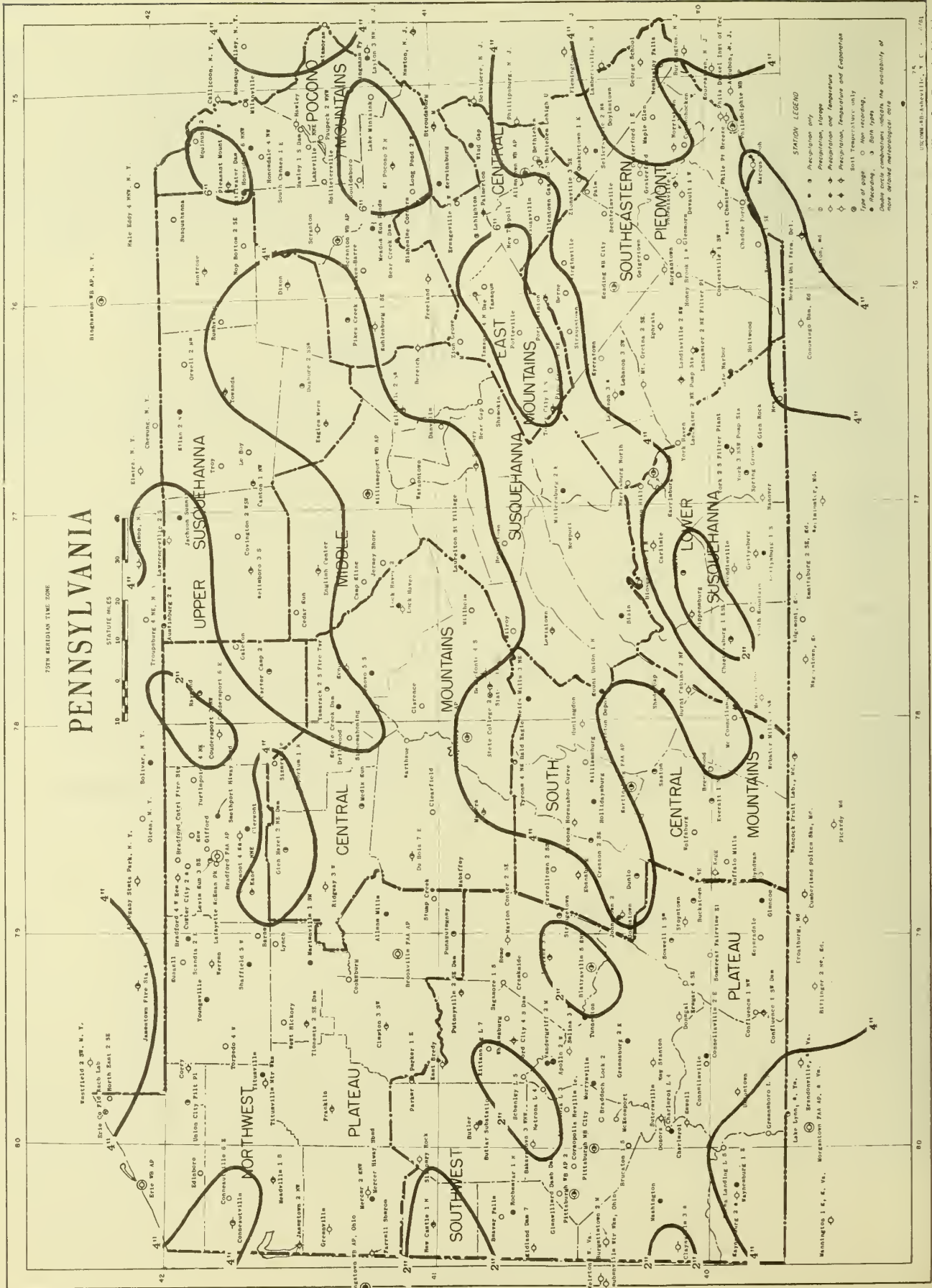
See Reference Notes Following Station Index





# TOTAL PRECIPITATION

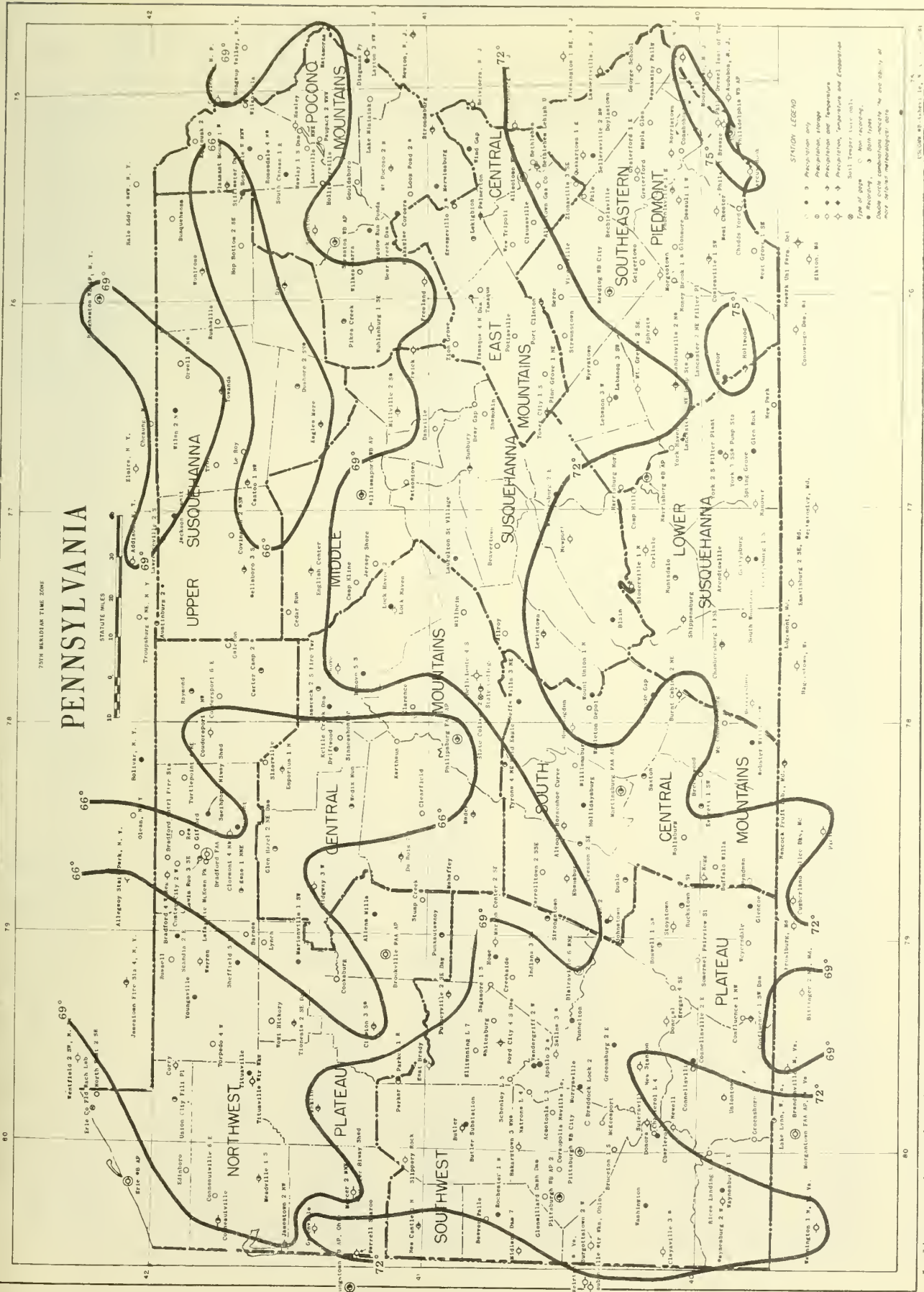
PENNSYLVANIA  
AUGUST 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
AUGUST 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





# STATION INDEX

PENNSYLVANIA  
AUGUST 1961

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |                           | OBSERVER              | STATION | INDEX NO.   | COUNTY | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |                         | OBSERVER |  |  |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------------------------|-----------------------|---------|-------------|--------|------------|----------|-----------|-----------|-----------------------------|---------|-------|-------------------------|----------|--|--|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL                   |                       |         |             |        |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL                 |          |  |  |
|                        |           |              |            |          |           |           |                             |         |       |                           |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| STATE COLLEGE          | 9449      | CENTRE       | 16         | 40 48    | 77 52     | 1175      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY      | WEST GROVE 1 SE       | 9503    | CHESTER     | 5      | 39 48      | 75 48    | 450       | 8A        |                             |         |       | CONARD-PYLE CO.         |          |  |  |
| STATE COLLEGE 2        | 9452      | CENTRE       | 16         | 40 48    | 77 52     | 1180      |                             |         | G     | PA. STATE UNIVERSITY      | WEST HICKORY          | 9507    | FOREST      | 1      | 41 34      | 79 25    | 1090      | 8A        |                             |         |       | MRS. HELEN F. KINMEAR   |          |  |  |
| STILLWATER DAM         | 9491      | SUSQUEHANNA  | 15         | 41 41    | 75 29     | 1645      |                             |         | C     | CORPS OF ENGINEERS        | WHITESBURG            | 9655    | ARMSTRONG   | 1      | 40 45      | 79 24    | 1530      | 7A        |                             |         |       | CORPS OF ENGINEERS      |          |  |  |
| STOYSTOWN              | 8570      | BERKS        | 14         | 40 29    | 76 11     | 800       | 9A                          | 9A      |       | VERNON HONG               | WILKES-BARRE          | 9702    | LAZERNE     | 15     | 41 15      | 75 52    | 610       | 7A        |                             |         |       | MRS. HARY G. HIRMAK     |          |  |  |
| STRAUSTOWN             | 8570      | BERKS        | 14         | 40 29    | 76 11     | 800       |                             | 8A      |       | JACOB KLUMR               | WILLIAMSBURG          | 9714    | BLAIR       | 6      | 40 28      | 78 12    | 860       | 7A        |                             |         |       | MYRON E. BIDDLE         |          |  |  |
| STRONGTOWN             | 8589      | INDIANA      | 4          | 40 33    | 78 55     | 1880      |                             |         | C     | HARRY F. BENNETT          | WILLIAMSPORT W/O AP   | 9728    | LYCOMING    | 16     | 41 15      | 76 55    | 527       | MID       | MID                         |         |       | U.S. WEATHER BUREAU     |          |  |  |
| STROUDSBURG            | 8596      | MONROE       | 5          | 40 59    | 75 12     | 480       | 11P                         | 11P     | C     | WILLIAM HAGERITY          | WIND GAP              | 9781    | HORSHAMPTON | 9      | 40 51      | 75 18    | 765       |           |                             |         |       | MRS. MARY O. HOELZEL    |          |  |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 50     | 1320      | 7A                          | 7A      | C     | CORPS OF ENGINEERS        | WOLFSBURG             | 9823    | BERFORD     | 6      | 40 03      | 78 32    | 1190      | 7A        |                             |         |       | WALTER C. RICE          |          |  |  |
| SUNBURY                | 8668      | NORTHUMBLAND | 15         | 40 52    | 76 47     | 480       | 7A                          | 7A      | C     | CHARLES W. BATLER         | YORK 3 SSW PUMP STA   | 9933    | YORK        | 15     | 39 55      | 76 45    | 390       | SP        | SP                          |         |       | YORK WATER COMPANY      |          |  |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      | 7A                          | 7A      | C     | MRS. LAURA A. BENSON      | YORK 2 S FILTER PLANT | 9938    | TORF        | 15     | 39 56      | 76 44    | 640       |           |                             |         |       | YORK WATER COMPANY      |          |  |  |
| TAMADUA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 830       |                             | 8A      |       | MRS. MARY L. ROBERTS      | YORK HAVEN            | 9950    | YORK        | 15     | 40 07      | 76 43    | 310       | 8A        |                             |         |       | METROPOLITAN EDISON CO. |          |  |  |
| TAMARACK 4 N DAM       | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      | 7A                          | 7A      | C     | PANTHER VALLEY WTR. CO.   | YOUNGVILLE            | 9966    | WARREN      | 1      | 41 51      | 79 19    | 1225      |           |                             |         |       | HENRY CARLETT           |          |  |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          | 7A      | C     | MRS. FRANCES SWARTZ       | ZION GROVE            | 9990    | SCHUTLKILL  | 15     | 40 54      | 76 13    | 940       | 7A        |                             |         |       | JAMES O. TEETER         |          |  |  |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 08     | 1208      | 8A                          | 8A      | C     | CORPS OF ENGINEERS        | ZIONSVILLE 3 SE       | 9995    | LEHIGH      | 14     | 40 28      | 75 27    | 680       | 8A        |                             |         |       | LESLIE HOWATT           |          |  |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1550      |                             |         | C     | PA. ELECTRIC CO.          |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TITUSVILLE WATER WORKS | 8880      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       | CITY OF TITUSVILLE        |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TORPEDO 4              | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      | 7A                          | 7A      |       | MRS. LILY B. GARBER       |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TOWANDA 1 ESE          | 8905      | BRADFORD     | 15         | 41 45    | 76 25     | 745       | 7A                          | 7A      | C     | LEVERN RDOT               |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15         | 40 34    | 76 33     | 790       | 7A                          | 7A      | C     | JOHN HURRY, JR.           |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TROY                   | 8959      | BRADFORD     | 15         | 41 47    | 76 47     | 1100      | 7A                          | 7A      | C     | JENNIE L. BALLARD         |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 890       |                             |         | C     | MRS. MARY E. WEIHER       |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TURTLEPOINT & NE       | 9028      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      | 7A                          | 7A      |       | ROBERT D. STRAIT          |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          | 7A      | C     | FREDERICK L. FRIDAY       |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      | 7A                          | 7A      | C     | HAROLD W. HAMMOND         |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       | WM. W. MARSTELLER         |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| VANDERGRIFT            | 9126      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          | 7A      |       | UNITED ENGR. & FNDRY. CO. |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       | 8A                          | 8A      |       | MRS. MARY M. WRIGHT       |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      | 7P                          | 7A      |       | GILBERT H. REISER         |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WASHINGTON             | 9332      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         | C     | PA. DEPT. HIGHWAYS        |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 15         | 41 05    | 76 52     | 490       | 9P                          | 9P      |       | WILLIAM BIRD              |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      |       | SAMUEL B. GREENLEE        |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         |       | SEWAGE DISPOSAL PLANT     |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       |                             |         |       | WILLIAM D. COVER          |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      | C     | MARION L. SHUMWAY         |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |
| WEST CHESTER           | 9466      | CHESTER      | 5          | 39 58    | 75 36     | 440       | 8A                          | 8A      | C     | DAILY LOCAL NEWS          |                       |         |             |        |            |          |           |           |                             |         |       |                         |          |  |  |

1-ALLEGHENY, 2-BEAVER, 3-4-CONEAUCH, 5-DELAWARE, 6-JUNIATA, 7-KISKIMINETAS, 8-LAKE ERIE, 9-LEHIGH, 10-MONONGAHELA, 11-OHIO, 12-POTOMAC, 13-LAKE ONTARIO, 14-SCHUYLKILL, 15-SUSQUEHANNA, 16-WEST BRANCH, 17-YOUGHIOGENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distances in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Prices. 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

SEPTEMBER 1961

Volume 66 No. 9



ASHEVILLE: 1961

PENNSYLVANIA - SEPTEMBER 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 97° on the 3rd at Phoenixville 1 E and on the  
1st at Newell

Lowest Temperature: 26° on the 29th at Coudersport 3 NW and Clermont  
4 NW

Greatest Total Precipitation: 5.50 inches at Bradford Cntrl Fire Sta

Least Total Precipitation: 0.28 inch at Holtwood

Greatest One-Day Precipitation: 3.04 inches on the 4th at Hanover

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
SEPTEMBER 1961

| Station                       | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |             |       |                                |              |      |             |                      |      |             |             |              |
|-------------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|-------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|-------------|-------------|--------------|
|                               | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |               |             | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No. of Days |             |              |
|                               |                 |                 |         |                                |         |      |        |      |             | 90° or Above | 32° or Below | 32° or Below  | 0° or Below |       |                                |              |      | Total       | Max. Depth on Ground | Date | .10 or More | .50 or More | 1.00 or More |
|                               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| <b>POCONO MOUNTAINS</b>       |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| FREELAND                      | 76.0            | 58.2            | 67.1    | 5.4                            | 86      | 24   | 38     | 29   | 87          | 0            | 0            | 0             | 0           | 1.03  | - 2.67                         | .38          | 15   | .0          | 0                    |      | 5           | 0           | 0            |
| HAWLEY                        | 80.4            | 53.9            | 67.2    |                                | 92      | 2    | 34     | 30+  | 99          | 0            | 0            | 0             | 0           | 1.74  | - 1.88                         | .66          | 21   | .0          | 0                    |      | 5           | 1           | 0            |
| PLEASANT MOUNT 1 W            | 75.6            | 51.5            | 63.6    |                                | 85      | 25+  | 30     | 30   | 132         | 0            | 0            | 2             | 0           | 1.11  | - 2.94                         | .32          | 21   | .0          | 0                    |      | 3           | 0           | 0            |
| SCRANTON                      | 82.8            | 58.2            | 70.5    |                                | 94      | 2    | 37     | 30   | 59          | 10           | 0            | 0             | 0           | .58   |                                | .20          | 21   | .0          | 0                    |      | 3           | 0           | 0            |
| SCRANTON WB AIRPORT           | 78.9            | 57.8            | 68.4    | 5.2                            | 89      | 13   | 37     | 30   | 80          | 0            | 0            | 0             | 0           | .99   | - 2.23                         | .34          | 7    | .0          | 0                    |      | 4           | 0           | 0            |
| <b>STROUDSBURG</b>            |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               | 81.7            | 55.2            | 68.5    | 5.2                            | 92      | 12+  | 32     | 30   | 83          | 5            | 0            | 1             | 0           | 3.06  | - 1.09                         | .78          | 21   | .0          | 0                    |      | 6           | 3           | 0            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               |                 |                 | 67.6    | 6.8                            |         |      |        |      |             |              |              |               |             | 1.42  | - 2.19                         |              |      | .0          |                      |      |             |             |              |
| <b>EAST CENTRAL MOUNTAINS</b> |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| ALLENTOWN WB AP               | 81.5            | 60.0            | 70.8    | 6.1                            | 91      | 12+  | 37     | 30   | 56          | 5            | 0            | 0             | 0           | 1.53  | - 1.94                         | .50          | 21   | .0          | 0                    |      | 5           | 1           | 0            |
| ALLENTOWN GAS CO              | 83.0            | 59.8            | 71.4    | 6.4                            | 92      | 13+  | 37     | 30   | 54          | 11           | 0            | 0             | 0           | 1.71  | - 1.86                         | .83          | 21   | .0          | 0                    |      | 3           | 2           | 0            |
| BETHLEHEM LEHIGH UNIV         | 78.9            | 66.4            | 72.7    | 5.9                            | 92      | 5    | 44     | 30   | 38          | 1            | 0            | 0             | 0           | 1.93  | - 1.57                         | .62          | 21   | .0          | 0                    |      | 6           | 1           | 0            |
| PALMERTON                     | 79.6            | 58.3            | 69.0    | 5.4                            | 90      | 12+  | 34     | 30   | 85          | 2            | 0            | 0             | 0           | 2.17  | - 1.67                         | .89          | 6    | .0          | 0                    |      | 4           | 2           | 0            |
| PORT CLINTON                  | 81.3            | 53.9            | 67.6    | 3.7                            | 91      | 5+   | 30     | 30   | 92          | 6            | 0            | 1             | 0           | 2.11  | - 1.86                         | .68          | 3    | .0          | 0                    |      | 5           | 2           | 0            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               |                 |                 | 70.3    | 6.6                            |         |      |        |      |             |              |              |               |             | 1.89  | - 1.77                         |              |      | .0          |                      |      |             |             |              |
| <b>SOUTHEASTERN PIEMONT</b>   |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| COATESVILLE 1 SW              | 83.3            | 60.5            | 71.9    | 6.1                            | 93      | 6    | 36     | 30   | 49          | 12           | 0            | 0             | 0           | 1.12  | - 2.03                         | .51          | 21   | .0          | 0                    |      | 4           | 1           | 0            |
| DEVAILT 1 W                   | 80.9            |                 |         |                                | 91      | 5+   | 40     | 30+  | 8           | 0            | 0            | 0             | 0           | 1.45  |                                | .46          | 21   | .0          | 0                    |      | 5           | 0           | 0            |
| EPHRATA                       | 80.6            | 60.8            | 70.7    | 3.9                            | 89      | 24+  | 40     | 30   | 48          | 0            | 0            | 0             | 0           | .89   | - 2.72                         | .50          | 2    | .0          | 0                    |      | 3           | 1           | 0            |
| GEORGE SCHOOL                 | 81.9            | 60.1            | 71.0    | 4.7                            | 93      | 3    | 37     | 30   | 48          | 9            | 0            | 0             | 0           | 2.92  | - .76                          | 1.99         | 21   | .0          | 0                    |      | 3           | 2           | 1            |
| GRATERFORD 1 E                | 81.5            | 58.6            | 70.1    |                                | 92      | 5    | 34     | 30   | 70          | 8            | 0            | 0             | 0           | 2.10  |                                | 1.14         | 15   | .0          | 0                    |      | 3           | 2           | 1            |
| <b>HOLTWOOD</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| LANCASTER 2NE PUMP STA        | 82.0            | 64.9            | 73.5    | 4.5                            | 93      | 2+   | 47     | 30+  | 23          | 7            | 0            | 0             | 0           | .28   | - 2.48                         | .18          | 4    | .0          | 0                    |      | 1           | 0           | 0            |
| LANCASTER 2 W                 | 82.9            | 58.4            | 70.7    | 5.4                            | 92      | 24   | 35     | 30   | 56          | 7            | 0            | 0             | 0           | .73   | - 2.58                         | .40          | 3    | .0          | 0                    |      | 3           | 0           | 0            |
| LANDISVILLE 2 NW              | 81.9            | 58.9            | 70.4    |                                | 91      | 13+  | 35     | 30   | 65          | 6            | 0            | 0             | 0           | .37   |                                | .17          | 15   | .0          | 0                    |      | 2           | 0           | 0            |
| LEBANON 3 W                   | 81.9            | 60.1            | 71.0    | 5.3                            | 93      | 2    | 42     | 30   | 55          | 10           | 0            | 0             | 0           | 1.81  | - 1.94                         | 1.19         | 3    | .0          | 0                    |      | 3           | 1           | 1            |
| MARCUS HOOK                   | 83.5            | 66.2            | 74.9    | 4.5                            | 96      | 3    | 48     | 30   | 23          | 11           | 0            | 0             | 0           | 2.75  | - .24                          | 1.42         | 14   | .0          | 0                    |      | 5           | 2           | 1            |
| <b>MORGANTOWN</b>             |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| MT GREINA 2 SE                | 80.3            | 59.2            | 69.8    |                                | 90      | 12+  | 38     | 30+  | 62          | 2            | 0            | 0             | 0           | 1.76  |                                | 1.05         | 2    | .0          | 0                    |      | 3           | 1           | 1            |
| NORRISTOWN                    | 80.9            | 56.9            | 68.9    |                                | 91      | 12   | 36     | 30   | 78          | 4            | 0            | 0             | 0           | 1.35  |                                | .41          | 4    | .0          | 0                    |      | 4           | 0           | 0            |
| PHIL OREXEL INST OF TEC       | 83.3            | 62.4            | 72.9    |                                | 93      | 12+  | 40     | 30   | 34          | 12           | 0            | 0             | 0           | 2.38  |                                | 1.38         | 15   | .0          | 0                    |      | 2           | 2           | 1            |
| PHILADELPHIA WB AP            | 82.7            | 66.7            | 74.7    |                                | 95      | 3+   | 49     | 30   | 21          | 9            | 0            | 0             | 0           | 2.88  |                                | .93          | 2    | .0          | 0                    |      | 5           | 3           | 0            |
| PHILADELPHIA WB BREEZE        | 80.9            | 62.1            | 71.5    | 3.8                            | 92      | 5    | 39     | 30   | 45          | 4            | 0            | 0             | 0           | 2.41  | - 1.05                         | .61          | 21   | .0          | 0                    |      | 5           | 3           | 0            |
| <b>PHILADELPHIA PT BREEZE</b> |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| PHOENIXVILLE 1 E              | 83.2            | 67.7            | 75.5    | 5.8                            | 93      | 12+  | 53     | 30+  | 10          | 9            | 0            | 0             | 0           | 2.33  | - .87                          | .72          | 2    | .0          | 0                    |      | 5           | 2           | 0            |
| QUAKERTOWN 1 E                | 82.9            | 59.8            | 71.4    | 3.9                            | 97      | 3    | 36     | 30   | 54          | 8            | 0            | 0             | 0           | 2.06  | - 1.33                         | .83          | 21   | .0          | 0                    |      | 4           | 2           | 0            |
| READING WB CITY               | 82.8            | 58.4            | 70.6    | 7.1                            | 92      | 12   | 33     | 30   | 56          | 6            | 0            | 0             | 0           | 1.50  | - 2.12                         | .77          | 21   | .0          | 0                    |      | 4           | 1           | 0            |
| WEST CHESTER                  | 82.3            | 63.6            | 73.0    | 5.9                            | 93      | 5    | 41     | 30   | 32          | 9            | 0            | 0             | 0           | 2.62  | - .66                          | .75          | 7    | .0          | 0                    |      | 6           | 2           | 0            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               |                 |                 | 71.8    | 5.0                            |         |      |        |      |             |              |              |               |             | 1.97  | - 1.57                         | .95          | 3    | .0          | 0                    |      | 2           | 2           | 0            |
| <b>LOWER SUSQUEHANNA</b>      |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| ARENDSVILLE                   | 82.7            | 58.5            | 70.6    | 5.1                            | 93      | 3+   | 36     | 30+  | 60          | 12           | 0            | 0             | 0           | 2.29  | - 1.24                         | 1.06         | 4    | .0          | 0                    |      | 2           | 2           | 1            |
| BLOERSVILLE 1 N               | 82.3            | 59.2            | 70.8    |                                | 92      | 25+  | 40     | 30+  | 58          | 8            | 0            | 0             | 0           | 3.73  | -.19                           | 2.30         | 8    | .0          | 0                    |      | 6           | 2           | 1            |
| CARLISLE                      | 83.4            | 60.9            | 72.2    | 5.7                            | 93      | 23+  | 40     | 30   | 42          | 11           | 0            | 0             | 0           | 2.88  | - .24                          | 1.93         | 7    | .0          | 0                    |      | 3           | 2           | 1            |
| CHAMBERSBURG 1 ESE            | 82.6            | 57.0            | 69.8    | 3.8                            | 94      | 1    | 34     | 29   | 64          | 12           | 0            | 0             | 0           | 2.11  | - 1.25                         | 1.02         | 7    | .0          | 0                    |      | 4           | 1           | 1            |
| GETTYSBURG                    | 82.9            | 60.6            | 71.8    | 4.9                            | 94      | 13   | 37     | 30   | 49          | 13           | 0            | 0             | 0           | 3.58  | -.23                           | 2.79         | 8    | .0          | 0                    |      | 4           | 1           | 1            |
| <b>HANOVER</b>                |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| HARRISBURG WB AP              | 83.4            | 60.2            | 71.8    | 4.9                            | 93      | 2    | 41     | 30+  | 44          | 13           | 0            | 0             | 0           | 3.78  | -.65                           | 3.04         | 4    | .0          | 0                    |      | 4           | 1           | 1            |
| MERCERSBURG                   | 83.0            | 61.5            | 72.3    | 6.2                            | 93      | 1    | 40     | 30   | 41          | 9            | 0            | 0             | 0           | 1.24  | - 1.39                         | .80          | 2    | .0          | 0                    |      | 3           | 1           | 0            |
| SHIPPENSBURG                  | 83.8            | 57.7            | 70.8    |                                | 96      | 2    | 35     | 30   | 62          | 14           | 0            | 0             | 0           | 2.00  | - 1.16                         | 1.64         | 7    | .0          | 0                    |      | 3           | 1           | 1            |
| YORK 3 SSW PUMP STA           | 84.3            | 59.3            | 71.8    |                                | 94      | 1    | 37     | 30   | 48          | 13           | 0            | 0             | 0           | 2.75  |                                | 2.03         | 7    | .0          | 0                    |      | 3           | 1           | 1            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               | 85.1            | 58.9            | 72.0    | 4.9                            | 93      | 4+   | 35     | 30   | 52          | 15           | 0            | 0             | 0           | .55   | - 2.70                         | .30          | 3    | .0          | 0                    |      | 2           | 0           | 0            |
| <b>MIDDLE SUSQUEHANNA</b>     |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| BERWICK                       | 83.4            | 58.6            | 71.0    |                                | 92      | 1    | 35     | 29   | 60          | 8            | 0            | 0             | 0           | 1.22  |                                | .50          | 3    | .0          | 0                    |      | 3           | 1           | 0            |
| ENGLISH CENTER                | 80.1M           | 52.3            | 66.2M   |                                | 89      | 1    | 30     | 30+  | 116         | 0            | 0            | 2             | 0           | 1.63  |                                | .93          | 8    | .0          | 0                    |      | 3           | 2           | 0            |
| LEWISTOWN                     | 83.0            | 58.8            | 70.9    |                                | 94      | 13+  | 40     | 30+  | 59          | 9            | 0            | 0             | 0           | 1.20  |                                | .53          | 15   | .0          | 0                    |      | 4           | 1           | 0            |
| MILLVILLE 2 S                 | 79.6            | 55.3            | 67.5    |                                | 89      | 25+  | 32     | 30   | 95          | 0            | 0            | 1             | 0           | 1.33  |                                | .48          | 3    | .0          | 0                    |      | 4           | 0           | 0            |
| SUNBURY                       | 82.9            | 56.3            | 69.6    |                                | 93      | 1    | 34     | 30   | 75          | 11           | 0            | 0             | 0           | 1.05  | - 2.11                         | .70          | 15   | .0          | 0                    |      | 2           | 1           | 0            |
| <b>TOWER CITY 1 S</b>         |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| WILLIAMSPORT WB AP            | 81.0            | 58.9            | 70.0    | 5.4                            | 93      | 12   | 37     | 30   | 73          | 3            | 0            | 0             | 0           | .89   | - 2.44                         | .39          | 14   | .0          | 0                    |      | 3           | 0           | 0            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               |                 |                 | 69.2    | 4.7                            |         |      |        |      |             |              |              |               |             | 1.22  | - 1.86                         |              |      | .0          |                      |      |             |             |              |
| <b>UPPER SUSQUEHANNA</b>      |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| AUSTINBURG 2 W                | 80.2            | 50.8            | 65.5    |                                | 89      | 13+  | 30     | 30+  | 113         | 0            | 0            | 4             | 0           | .72   |                                | .44          | 15   | .0          | 0                    |      | 2           | 0           | 0            |
| CANTON 1 NW                   | 76.2M           | 53.8            | 65.0M   |                                | 90      | 1    | 34     | 29   | 122         | 1            | 0            | 0             | 0           | 1.19  |                                | .72          | 15   | .0          | 0                    |      | 3           | 1           | 0            |
| EAGLES MERE                   | 72.8            | 55.9            | 64.4    |                                | 82      | 1    | 37     | 30+  | 117         | 0            | 0            | 0             | 0           | 1.04  |                                | .42          | 15   | .0          | 0                    |      | 4           | 0           | 0            |
| LAWRENCEVILLE 2 S             | 80.8            | 54.4            | 67.6    | 5.8                            | 91      | 12   | 33     | 30+  | 86          | 1            | 0            | 0             | 0           | 2.39  | - .60                          | .82          | 12   | .0          | 0                    |      | 4           | 3           | 0            |
| MONTROSE                      | 78.0            | 54.0            | 66.0    |                                | 88      | 13+  | 36     | 30   | 106         | 0            | 0            | 0             | 0           | .76   |                                | .34          | 15   | .0          | 0                    |      | 2           | 0           | 0            |
| <b>TOWANO 1 ESE</b>           |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| WELLSBORO 3 S                 | 80.7            | 55.1            | 67.9    | 5.4                            | 90      | 12+  | 32     | 30+  | 88          | 2            | 0            | 2             | 0           | .59   | - 2.82                         | .38          | 15   | .0          | 0                    |      | 1           | 0           | 0            |
| <b>DIVISION</b>               |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
|                               | 76.3            | 53.2            | 64.8    |                                | 87      | 1    | 34     | 30+  | 124         | 0            | 0            | 0             | 0           | 1.38  |                                | .58          | 15   | .0          | 0                    |      | 2           | 2           | 0            |
| <b>CENTRAL MOUNTAINS</b>      |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |
| BELLEFONTE 4 S                | 80.5            | 57.1            | 68.8    |                                | 90      | 13+  | 32     | 30   | 79          | 2            | 0            | 1             | 0           | 1.74  |                                | .72          | 15   | .0          | 0                    |      | 3           | 2           | 0            |

See Reference Notes Following Station Index

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
SEPTEMBER 1961

CONTINUED

| Station                 | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |             |       |                                |              |      |             |                      |      |             |             |              |      |
|-------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|-------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|-------------|-------------|--------------|------|
|                         | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |               |             | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No. of Days |             |              |      |
|                         |                 |                 |         |                                |         |      |        |      |             | Max.         |              | Min.          |             |       |                                |              |      | Total       | Max. Depth on Ground | Date | 1.0 or More | .50 or More | 1.00 or More |      |
|                         |                 |                 |         |                                |         |      |        |      |             | 90° or Above | 32° or Above | 32° or Below  | 0° or Below |       |                                |              |      |             |                      |      |             |             |              | Date |
| OU BOIS 7 E             | 78.0            | 53.8            | 65.9    |                                | 86      | 13   | 32     | 29   | 100         | 0            | 0            | 1             | 0           | 1.31  |                                | .30          | 3    | .0          | 0                    |      |             | 5           | 0            | 0    |
| EMPORIUM 1 N            | 76.4            | 51.2            | 63.8    |                                | 87      | 1    | 28     | 30   | 134         | 0            | 0            | 2             | 0           | 1.38  |                                | .31          | 5    | .0          | 0                    |      |             | 4           | 0            | 0    |
| LOCK HAVEN              | 81.6            | 55.6            | 68.6    | 3.9                            | 91      | 13+  | 33     | 29   | 85          | 0            | 0            | 0             | 0           | 1.90  | -1.18                          | .90          | 8    | .0          | 0                    |      |             | 4           | 1            | 0    |
| MAORA                   | 74.8M           | 51.0M           | 62.9M   |                                | 85      | 2    | 27     | 28   | 121         | 0            | 0            | 2             | 0           |       |                                | 2.55         | 8    | .0          | 0                    |      |             |             |              | 1    |
| PHILIPSBURG FAA AP      | 74.9            | 52.0            | 63.5    |                                | 85      | 12   | 30     | 17   | 138         | 0            | 0            | 2             | 0           | 1.88  |                                | .61          | 14+  | .0          | 0                    |      |             | 5           | 2            | 0    |
| RENOVO                  | 83.7            | 56.0            | 69.9    |                                | 93      | 14+  | 36     | 30+  | 74          | 10           | 0            | 0             | 0           | 1.55  | -1.03                          | .48          | 26+  | .0          | 0                    |      |             | 5           | 0            | 0    |
| RIOGWAY 3 W             | 79.9            | 52.2            | 66.1    | 6.2                            | 89      | 13   | 31     | 29   | 103         | 0            | 0            | 2             | 0           | 1.00  | -2.35                          | .29          | 25   | .0          | 0                    |      |             | 4           | 0            | 0    |
| STATE COLLEGE           | 79.1            | 57.0            | 68.1    | 5.2                            | 89      | 14+  | 38     | 30   | 89          | 0            | 0            | 0             | 0           | 2.18  | -.44                           | 1.05         | 3    | .0          | 0                    |      |             | 3           | 2            | 1    |
| OIVISION                |                 |                 | 66.4    |                                |         |      |        |      |             |              |              |               |             | 1.62  | -1.40                          |              |      | .0          |                      |      |             |             |              |      |
| SOUTH CENTRAL MOUNTAINS |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |      |
| ALTOONA HORSESHOE CURVE | 79.1            | 56.4            | 67.8    | 5.0                            | 89      | 12+  | 36     | 29   | 85          | 0            | 0            | 0             | 0           | 3.48  | .42                            | 1.13         | 8    | .0          | 0                    |      |             | 4           | 3            | 2    |
| BURNT CABINS 2 NE       | 81.0M           | 56.5M           | 68.8M   |                                | 90      | 2    | 33     | 29   | 69          | 1            | 0            | 0             | 0           | 2.10  |                                | .70          | 8    | .0          | 0                    |      |             | 5           | 2            | 0    |
| EBENSBURG               | 76.7            | 53.1            | 64.9    | 3.6                            | 86      | 13+  | 32     | 29   | 105         | 0            | 0            | 1             | 0           | 1.26  | -1.77                          | .68          | 5    | .0          | 0                    |      |             | 4           | 1            | 0    |
| EVERETT 1 SW            | 79.9            | 55.9            | 67.9    |                                | 92      | 4+   | 34     | 29   | 104         | 5            | 0            | 0             | 0           | 1.67  |                                | .45          | 8    | .0          | 0                    |      |             | 5           | 0            | 0    |
| HUNTINGOON              | 82.1            | 56.4            | 69.3    | 5.1                            | 93      | 2+   | 32     | 30   | 74          | 6            | 0            | 1             | 0           | 2.92  | -.13                           | 1.37         | 4    | .0          | 0                    |      |             | 3           | 2            | 2    |
| JOHNSTOWN               | 81.8            | 56.1            | 69.0    | 4.2                            | 95      | 1    | 35     | 29   | 81          | 6            | 0            | 0             | 0           | 1.23  | -1.77                          | .40          | 3    | .0          | 0                    |      |             | 4           | 0            | 0    |
| KEGG                    | 80.6            | 55.2            | 67.9    |                                | 93      | 1    | 35     | 29   | 90          | 4            | 0            | 0             | 0           | 2.04  |                                | 1.32         | 3    | .0          | 0                    |      |             | 5           | 1            | 1    |
| MARTINSBURG FAA AP      | 79.1            | 58.1M           | 68.6M   |                                | 91      | 1    | 36     | 29   | 85          | 2            | 0            | 0             | 0           | 1.51  |                                | .45          | 14+  | .0          | 0                    |      |             | 4           | 0            | 0    |
| OIVISION                |                 |                 | 68.0    |                                |         |      |        |      |             |              |              |               |             | 2.03  | -.87                           |              |      | .0          |                      |      |             |             |              |      |
| SOUTHWEST PLATEAU       |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |      |
| BAKERSTOWN 3 WNW        | 81.7            | 58.1            | 69.9    |                                | 91      | 14+  | 34     | 29   | 63          | 3            | 0            | 0             | 0           | 3.05  |                                | .77          | 21   | .0          | 0                    |      |             | 6           | 3            | 0    |
| BLAIRSVILLE 6 ENE       | 77.0            | 58.1            | 67.6    |                                | 87      | 13   | 36     | 29   | 80          | 0            | 0            | 0             | 0           | 2.93  |                                | 1.22         | 4    | .0          | 0                    |      |             | 7           | 1            | 1    |
| BURGETTSTOWN 2 W        | 79.9            | 51.5            | 65.7    |                                | 90      | 14+  | 30     | 30+  | 108         | 2            | 0            | 2             | 0           | 1.49  |                                | .49          | 26   | .0          | 0                    |      |             | 4           | 0            | 0    |
| BUTLER                  | 81.8M           | 50.4M           | 66.1M   | 2.0                            | 93      | 14   | 29     | 29   | 112         | 4            | 0            | 2             | 0           | 1.87  | -1.21                          | 1.22         | 5    | .0          | 0                    |      |             | 4           | 1            | 1    |
| CLAYSVILLE 3 W          | 82.8            | 52.4            | 67.6    | 3.1                            | 92      | 1    | 28     | 29   | 75          | 6            | 0            | 1             | 0           | 1.54  | -1.69                          | .36          | 25   | .0          | 0                    |      |             | 6           | 0            | 0    |
| CONFLUENCE 1 SW OAM     | 80.9            | 54.6            | 67.8    |                                | 91      | 14+  | 36     | 30   | 88          | 3            | 0            | 0             | 0           | .89   |                                | .20          | 5    | .0          | 0                    |      |             | 4           | 0            | 0    |
| DONEGAL                 | 80.0            | 53.1            | 66.6    |                                | 90      | 14+  | 28     | 29   | 103         | 5            | 0            | 1             | 0           | 1.64  |                                | .53          | 4    | .0          | 0                    |      |             | 6           | 1            | 0    |
| DONORA                  | 82.9            | 53.3            | 68.1    | .0                             | 91      | 3    | 32     | 29   | 69          | 6            | 0            | 1             | 0           | 3.23  | .54                            | .82          | 20   | .0          | 0                    |      |             | 9           | 3            | 0    |
| FORD CITY 4 S OAM       | 81.1            | 54.3            | 67.7    |                                | 91      | 14   | 35     | 29   | 86          | 2            | 0            | 0             | 0           | 1.41  |                                | .64          | 5    | .0          | 0                    |      |             | 5           | 1            | 0    |
| INDIANA 3 SE            | 81.4            | 54.2            | 67.8    |                                | 92      | 13   | 29     | 29   | 84          | 4            | 0            | 1             | 0           | 1.33  |                                | .37          | 15   | .0          | 0                    |      |             | 6           | 0            | 0    |
| MARION CENTER 2 SE      | 78.0            | 56.1            | 67.1    |                                | 87      | 14+  | 34     | 29   | 84          | 0            | 0            | 0             | 0           | 1.67  |                                | .49          | 8    | .0          | 0                    |      |             | 5           | 0            | 0    |
| NEW CASTLE 1 N          | 86.4            | 55.1            | 69.8    | 5.2                            | 92      | 13+  | 33     | 29   | 68          | 12           | 0            | 0             | 0           | 1.37  | -1.50                          | .71          | 3    | .0          | 0                    |      |             | 4           | 1            | 0    |
| NEWELL                  | 84.4            | 58.9            | 71.7    |                                | 97      | 1    | 41     | 29   | 41          | 12           | 0            | 0             | 0           | 3.70  |                                | 2.35         | 21   | .0          | 0                    |      |             | 7           | 1            | 1    |
| NEW STANTON             | 82.8            | 55.3            | 69.1    |                                | 95      | 6    | 31     | 29   | 67          | 7            | 0            | 1             | 0           | 2.60  |                                | .65          | 20   | .0          | 0                    |      |             | 7           | 2            | 0    |
| PITTSBURGH WB AP 2 //R  | 80.7            | 56.3            | 68.5    | 3.6                            | 91      | 13   | 36     | 29   | 71          | 1            | 0            | 0             | 0           | 1.98  | -.99                           | .85          | 1    | .0          | 0                    |      |             | 5           | 1            | 0    |
| PITTSBURGH WB CITY R    | 81.6            | 61.4            | 71.5    | 3.6                            | 92      | 12   | 42     | 29   | 45          | 5            | 0            | 0             | 0           | 1.78  | -.99                           | .89          | 20   | .0          | 0                    |      |             | 4           | 1            | 0    |
| PUTNEYVILLE 2 SE OAM    | 79.6            | 49.4            | 64.5    |                                | 90      | 14+  | 28     | 29   | 121         | 2            | 0            | 3             | 0           | 2.20  |                                | 1.16         | 3    | .0          | 0                    |      |             | 6           | 1            | 1    |
| SALINA 3 W              | 80.8            | 55.8            | 68.3    |                                | 90      | 13   | 35     | 29   | 76          | 1            | 0            | 0             | 0           | .91   |                                | .25          | 3    | .0          | 0                    |      |             | 4           | 0            | 0    |
| SLIPPERY ROCK           | 81.6            | 58.3            | 70.0    |                                | 90      | 13+  | 36     | 29   | 55          | 2            | 0            | 0             | 0           | 2.28  |                                | .65          | 3    | .0          | 0                    |      |             | 5           | 1            | 0    |
| STOYSTOWN               | 78.4            | 52.1            | 65.3    |                                | 89      | 14+  | 31     | 29   | 114         | 0            | 0            | 1             | 0           | .84   |                                | .43          | 3    | .0          | 0                    |      |             | 3           | 0            | 0    |
| UNIONTOWN               | 80.4            | 58.4            | 69.4    | 2.7                            | 90      | 13   | 34     | 29   | 66          | 1            | 0            | 0             | 0           | 1.92  | -1.11                          | .68          | 20   | .0          | 0                    |      |             | 5           | 1            | 0    |
| WAYNESBURG 2 W          | 81.6            | 53.2            | 67.4    | 2.4                            | 90      | 13+  | 30     | 29   | 82          | 2            | 0            | 1             | 0           | 2.69  | -.46                           | 1.70         | 21   | .0          | 0                    |      |             | 5           | 1            | 1    |
| OIVISION                |                 |                 | 68.1    |                                |         |      |        |      |             |              |              |               |             | 1.97  | -1.05                          |              |      | .0          |                      |      |             |             |              |      |
| NORTHWEST PLATEAU       |                 |                 |         |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |      |
| BRAOOFORD FAA AIRPORT   | 74.5            | 50.9            | 62.7    |                                | 83      | 1    | 29     | 29   | 149         | 0            | 0            | 2             | 0           | 2.78  |                                | .98          | 3    | .0          | 0                    |      |             | 6           | 2            | 0    |
| BRADFORD 4 W RES        | 76.5            | 49.6            | 63.1    |                                | 84      | 13+  | 28     | 29   | 133         | 0            | 0            | 2             | 0           | 4.71  |                                | 2.08         | 3    | .0          | 0                    |      |             | 6           | 3            | 1    |
| BROOKVILLE FAA AIRPORT  | 78.1            | 52.1            | 65.1    |                                | 88      | 13   | 31     | 29   | 125         | 0            | 0            | 1             | 0           | 1.24  |                                | .61          | 2    | .0          | 0                    |      |             | 4           | 1            | 0    |
| CLERMONT 4 NW           | 77.1            | 51.0            | 64.1    |                                | 88      | 10   | 26     | 29   | 131         | 0            | 0            | 3             | 0           | 3.00  |                                | 1.21         | 13   | .0          | 0                    |      |             | 6           | 2            | 1    |
| CONNEAUTVILLE           | 78.9            | 53.2            | 66.1    |                                | 89      | 14   | 31     | 29   | 104         | 0            | 0            | 1             | 0           | 4.21  |                                | 1.39         | 25   | .0          | 0                    |      |             | 6           | 4            | 1    |
| CORRY                   | 79.2            | 53.4            | 66.3    | 4.7                            | 87      | 23+  | 31     | 29   | 98          | 0            | 0            | 1             | 0           | 1.89  | -1.81                          | .49          | 25   | .0          | 0                    |      |             | 6           | 0            | 0    |
| COUDERSPORT 3 NW        | 75.8            | 48.0            | 61.9    |                                | 85      | 12   | 26     | 29   | 151         | 0            | 0            | 5             | 0           | 1.89  |                                | .95          | 4    | .0          | 0                    |      |             | 4           | 1            | 0    |
| EAST BRADY              | 83.3M           | 56.6M           | 70.0M   |                                | 93      | 13   | 34     | 29   | 53          | 9            | 0            | 0             | 0           | 1.03  |                                | .34          | 3    | .0          | 0                    |      |             | 4           | 0            | 0    |
| ERIE WB AIRPORT         | 77.3            | 59.6            | 68.5    | 5.3                            | 90      | 13+  | 39     | 29   | 66          | 2            | 0            | 0             | 0           | 2.16  | -1.23                          | .98          | 25   | .0          | 0                    |      |             | 5           | 1            | 0    |
| FARRELL SHARON          | 82.5            | 60.3            | 71.4    | 5.1                            | 92      | 24+  | 38     | 29   | 42          | 6            | 0            | 0             | 0           | 2.20  |                                | .72          | 25   | .0          | 0                    |      |             | 6           | 1            | 0    |
| FRANKLIN                | 80.6M           | 55.7M           | 68.2M   | 5.7                            | 89      | 13+  | 36     | 29   | 72          | 0            | 0            | 0             | 0           | 2.98  | -.15                           | 1.32         | 3    | .0          | 0                    |      |             | 5           | 3            | 1    |
| GREENVILLE              | 84.7            | 55.7            | 70.2    | 6.6                            | 93      | 3    | 32     | 29   | 59          | 12           | 0            | 1             | 0           | 1.78  | -1.29                          | .79          | 25   | .0          | 0                    |      |             | 6           | 1            | 0    |
| JAMESTOWN 2 NW          | 80.3            | 53.4            | 66.9    |                                | 90      | 14   | 30     | 29   | 99          | 1            | 0            | 1             | 0           | 2.75  | -.63                           | .98          | 5    | .0          | 0                    |      |             | 6           | 1            | 0    |
| KANE 1 NNE              | 76.5            | 47.5            | 62.0    |                                | 86      | 1    | 27     | 29   | 155         | 0            | 0            | 5             | 0           | 4.28  |                                | 1.66         | 13   | .0          | 0                    |      |             | 5           | 4            | 2    |
| MEADVILLE 1 S           | 79.3            | 53.8            | 66.6    | 4.4                            | 90      | 1    | 33     | 29   | 102         | 1            | 0            | 0             | 0           | 2.58  | -.46                           | 1.05         | 25   | .0          | 0                    |      |             | 5           | 1            | 1    |
| MERCER 2 NNE            | 81.2            | 51.6            | 66.4    |                                | 90      | 13+  | 27     | 29   | 102         | 2            | 0            | 3             | 0           | 1.98  |                                | .70          | 26   | .0          | 0                    |      |             | 5           | 2            | 0    |
| TIONESTA 2 SE DAM       | 78.8            | 53.7            | 66.3    |                                |         |      |        |      |             |              |              |               |             |       |                                |              |      |             |                      |      |             |             |              |      |







# DAILY PRECIPITATION

PENNSYLVANIA  
SEPTEMBER 1961

Continued

| Station           | Total | Day of Month |       |     |     |   |     |      |     |   |    |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |     |
|-------------------|-------|--------------|-------|-----|-----|---|-----|------|-----|---|----|----|----|----|-----|-----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|
|                   |       | 1            | 2     | 3   | 4   | 5 | 6   | 7    | 8   | 9 | 10 | 11 | 12 | 13 | 14  | 15  | 16 | 17 | 18 | 19  | 20  | 21  | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |     |
| DOLFSBURG         | 2.78  |              | .53   | .10 | .03 |   |     |      |     |   |    |    |    |    |     |     |    |    |    |     |     |     |    |    |    |    |    |    |    |    |    |    |     |
| ORA 3 SW PUMP STA | .55   |              | T .30 |     |     |   | .20 | 1.11 | .01 |   |    |    |    |    |     | .38 |    |    |    | .01 | T   | .32 |    |    |    |    |    |    |    |    |    |    | .09 |
| ORI HAVEN         | 1.87  |              | .85   | .76 |     |   |     |      |     |   |    |    |    |    | .21 |     |    |    |    |     | T   | T   |    |    |    |    |    |    |    |    |    |    | .04 |
| ION GROVE         | .29   |              | .15   | .03 | .08 |   |     |      |     |   |    |    |    |    | .10 |     |    |    |    |     | .01 | T   |    |    |    |    |    |    |    |    |    |    | .17 |
| LONSVILLE 3 SE    | 1.40  |              |       |     |     |   |     |      |     |   |    |    |    |    |     |     |    |    |    |     |     | .03 |    |    |    |    |    |    |    |    |    |    | .04 |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                       | Wind speed<br>m. p. h. |                 |                                 |                         | Relative humidity averages<br>percent |               |               |               | Number of days with precipitation |       |       |       |           |                  | Percent of<br>possible<br>sunshine | Average<br>sky cover<br>sunrise to sunset |       |
|-------------------------|----------------|---------------------------------------|------------------------|-----------------|---------------------------------|-------------------------|---------------------------------------|---------------|---------------|---------------|-----------------------------------|-------|-------|-------|-----------|------------------|------------------------------------|---|-------|
|                         | Prevailing     | Percent of<br>time from<br>prevailing | Average                | Fastest<br>mile | Direction<br>of<br>fastest mile | Date of<br>fastest mile | 1:00 a<br>EST                         | 7:00 a<br>EST | 1:00 p<br>EST | 7:00 p<br>EST | Trace                             | 01-09 | 10-49 | 50-99 | 1.00-1.99 | 2.00<br>and over |                                    |   | Total |
| ALLENTOWN WB AIRPORT    | SW             | 10                                    | 7.9                    | 30++            | WNW                             | 21                      | 88                                    | 91            | 56            | 71            | 2                                 | 1     | 4     | 1     | 0         | 0                | 8                                  | -   | 4.4   |
| ERIE WB AIRPORT         | S              | 15                                    | 11.9                   | 36++            | SSW                             | 14                      | 77                                    | 80            | 64            | 74            | 4                                 | 2     | 4     | 1     | 0         | 0                | 11                                 | -   | 4.7   |
| HARRISBURG WB AIRPORT   | W              | 16                                    | 6.9                    | 21              | NW                              | 15                      | 86                                    | 88            | 58            | 74            | 4                                 | 3     | 2     | 1     | 0         | 0                | 10                                 | 75  | 4.2   |
| PHILADELPHIA WB AIRPORT | WSW            | 12                                    | 8.6                    | 34              | NW                              | 2                       | 80                                    | 82            | 55            | 70            | 2                                 | 0     | 2     | 3     | 0         | 0                | 7                                  | 77  | 4.7   |
| PITTSBURGH WB AIRPORT 2 | SW             | 10                                    | 6.5                    | 31++            | NW                              | 2                       | 84                                    | 88            | 57            | 70            | 2                                 | 3     | 4     | 1     | 0         | 0                | 10                                 | 76  | 4.9   |
| READING WB CITY         | -              | -                                     | 8.0                    | 42              | W                               | 2                       | -                                     | -             | -             | -             | 2                                 | 0     | 4     | 2     | 0         | 0                | 8                                  | 69  | 4.9   |
| CRANTON WB AIRPORT      | ESE            | 12                                    | 6.7                    | 25              | SW                              | 14                      | 89                                    | 92            | 60            | 74            | 3                                 | 5     | 4     | 0     | 0         | 0                | 12                                 | 62  | 4.8   |
| WILLIAMSPORT WB AIRPORT | W              | 13                                    | 5.4                    | 23              | SSE                             | 14                      | 92                                    | 94            | 56            | 74            | 4                                 | 5     | 3     | 0     | 0         | 0                | 12                                 | -   | 5.5   |

See reference notes following Station Index

# DAILY TEMPERATURES

PENNSYLVANIA  
SEPTEMBER 1961

| Station                 | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      | Average |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|---------|
|                         | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29   | 30 | 31   |         |
| ALLENTOWN WB AP         | MAX          | 91 | 90 | 89 | 91 | 91 | 87 | 79 | 80 | 85 | 89 | 89 | 91 | 89 | 85 | 74 | 73 | 71 | 72 | 66 | 75 | 83 | 87 | 89 | 89 | 84 | 72 | 75 | 74   | 66 | 70   | 81.5    |
|                         | MIN          | 64 | 70 | 68 | 68 | 69 | 69 | 70 | 68 | 68 | 65 | 66 | 66 | 68 | 70 | 51 | 46 | 44 | 41 | 58 | 64 | 66 | 65 | 64 | 62 | 62 | 53 | 46 | 48   | 44 | 37   | 60.0    |
| ALLENTOWN GAS CO        | MAX          | 92 | 92 | 91 | 91 | 92 | 90 | 88 | 80 | 80 | 87 | 90 | 90 | 92 | 91 | 86 | 72 | 73 | 70 | 73 | 66 | 75 | 84 | 88 | 90 | 89 | 85 | 75 | 76   | 74 | 67   | 83.0    |
|                         | MIN          | 64 | 68 | 68 | 68 | 69 | 68 | 70 | 68 | 67 | 65 | 66 | 66 | 69 | 70 | 60 | 47 | 44 | 44 | 48 | 58 | 63 | 61 | 62 | 61 | 63 | 63 | 47 | 50   | 40 | 37   | 59.8    |
| ALTOONA HORSESHOE CURVE | MAX          | 89 | 85 | 84 | 85 | 84 | 85 | 81 | 78 | 86 | 86 | 88 | 89 | 88 | 85 | 76 | 67 | 68 | 70 | 64 | 67 | 79 | 82 | 85 | 86 | 86 | 72 | 73 | 66   | 65 | 73   | 79.1    |
|                         | MIN          | 60 | 67 | 62 | 68 | 65 | 62 | 66 | 63 | 68 | 61 | 59 | 67 | 62 | 61 | 54 | 41 | 38 | 38 | 48 | 61 | 61 | 55 | 64 | 62 | 61 | 54 | 45 | 45   | 36 | 37   | 56.4    |
| ARENOSTVILLE            | MAX          | 93 | 93 | 93 | 90 | 91 | 91 | 89 | 77 | 79 | 86 | 90 | 92 | 90 | 91 | 86 | 71 | 71 | 70 | 70 | 69 | 71 | 84 | 87 | 91 | 88 | 90 | 72 | 76   | 75 | 66   | 82.7    |
|                         | MIN          | 61 | 66 | 68 | 67 | 70 | 68 | 72 | 69 | 67 | 64 | 62 | 64 | 65 | 65 | 59 | 44 | 46 | 43 | 48 | 58 | 64 | 59 | 60 | 63 | 61 | 58 | 45 | 48   | 36 | 36   | 58.5    |
| AUSTINBURG 2 W          | MAX          | 89 | 87 | 86 | 87 | 86 | 85 | 87 | 87 | 82 | 85 | 86 | 87 | 89 | 87 | 84 | 62 | 71 | 68 | 72 | 76 | 72 | 81 | 85 | 87 | 88 | 86 | 62 | 71   | 65 | 65   | 80.2    |
|                         | MIN          | 57 | 61 | 66 | 63 | 64 | 53 | 58 | 50 | 53 | 54 | 55 | 58 | 61 | 64 | 49 | 36 | 31 | 31 | 39 | 42 | 58 | 54 | 53 | 57 | 55 | 56 | 47 | 40   | 30 | 30   | 50.8    |
| BAKERSTOWN 3 WNW        | MAX          | 88 | 87 | 89 | 89 | 88 | 88 | 89 | 82 | 83 | 86 | 87 | 90 | 91 | 91 | 75 | 65 | 67 | 69 | 72 | 79 | 76 | 83 | 89 | 89 | 89 | 84 | 70 | 70   | 65 | 80   | 81.7    |
|                         | MIN          | 64 | 62 | 62 | 69 | 67 | 66 | 70 | 66 | 64 | 59 | 61 | 65 | 68 | 69 | 52 | 45 | 45 | 46 | 58 | 60 | 62 | 55 | 65 | 64 | 66 | 53 | 42 | 43   | 34 | 42   | 58.1    |
| BELLEFONTE 4 S          | MAX          | 90 | 88 | 84 | 83 | 89 | 86 | 88 | 84 | 80 | 86 | 87 | 88 | 90 | 88 | 85 | 65 | 70 | 68 | 70 | 71 | 74 | 82 | 84 | 88 | 89 | 89 | 64 | 73   | 68 | 65   | 80.5    |
|                         | MIN          | 62 | 70 | 66 | 65 | 65 | 65 | 66 | 64 | 64 | 63 | 56 | 68 | 64 | 68 | 55 | 47 | 38 | 37 | 48 | 61 | 63 | 62 | 61 | 57 | 57 | 55 | 44 | 53   | 38 | 32   | 57.1    |
| BERWICK                 | MAX          | 92 | 90 | 82 | 89 | 89 | 90 | 87 | 84 | 86 | 87 | 89 | 91 | 91 | 90 | 82 | 71 | 71 | 75 | 73 | 74 | 85 | 88 | 90 | 89 | 90 | 89 | 74 | 72   | 69 | 74   | 83.4    |
|                         | MIN          | 64 | 69 | 67 | 67 | 68 | 67 | 71 | 67 | 71 | 67 | 65 | 61 | 64 | 67 | 62 | 42 | 39 | 42 | 42 | 39 | 42 | 52 | 64 | 65 | 60 | 61 | 62 | 46   | 35 | 36   | 58.6    |
| BETHLEHEM LEHIGH UNIV   | MAX          | 89 | 88 | 88 | 89 | 92 | 86 | 79 | 80 | 83 | 84 | 88 | 86 | 85 | 80 | 80 | 68 | 67 | 66 | 63 | 70 | 74 | 86 | 85 | 82 | 82 | 73 | 72 | 70   | 66 | 66   | 78.9    |
|                         | MIN          | 72 | 77 | 74 | 76 | 76 | 76 | 74 | 72 | 72 | 72 | 72 | 72 | 73 | 73 | 62 | 54 | 55 | 50 | 61 | 63 | 67 | 70 | 70 | 68 | 70 | 66 | 53 | 56   | 52 | 44   | 66.4    |
| BLAIRSVILLE 6 ENE       | MAX          | 84 | 81 | 84 | 83 | 80 | 84 | 79 | 80 | 82 | 83 | 84 | 86 | 87 | 84 | 67 | 63 | 66 | 68 | 70 | 76 | 72 | 77 | 83 | 84 | 83 | 72 | 68 | 61   | 61 | 78   | 77.0    |
|                         | MIN          | 66 | 67 | 67 | 66 | 65 | 64 | 67 | 64 | 66 | 61 | 62 | 68 | 65 | 67 | 50 | 42 | 44 | 43 | 52 | 60 | 60 | 58 | 64 | 64 | 63 | 50 | 46 | 48   | 36 | 49   | 58.1    |
| BLOSSVILLE 1 N          | MAX          | 91 | 92 | 89 | 88 | 90 | 89 | 89 | 86 | 80 | 85 | 88 | 90 | 89 | 90 | 85 | 69 | 70 | 71 | 72 | 70 | 71 | 82 | 87 | 90 | 92 | 90 | 68 | 75   | 72 | 68   | 82.3    |
|                         | MIN          | 64 | 65 | 66 | 66 | 69 | 71 | 71 | 69 | 68 | 65 | 64 | 66 | 68 | 65 | 58 | 44 | 45 | 46 | 51 | 54 | 59 | 61 | 62 | 65 | 62 | 58 | 46 | 49   | 40 | 40   | 59.2    |
| BRADFORD FAA AIRPORT    | MAX          | 83 | 82 | 82 | 80 | 82 | 81 | 80 | 79 | 79 | 82 | 81 | 82 | 82 | 80 | 55 | 61 | 67 | 71 | 67 | 73 | 75 | 79 | 81 | 82 | 77 | 61 | 64 | 55   | 60 | 73   | 74.5    |
|                         | MIN          | 58 | 65 | 63 | 64 | 64 | 59 | 57 | 48 | 55 | 51 | 56 | 64 | 63 | 55 | 39 | 36 | 30 | 34 | 43 | 58 | 54 | 55 | 60 | 58 | 55 | 39 | 38 | 29   | 41 | 41   | 50.9    |
| BRADFORD 4 W RES        | MAX          | 83 | 84 | 83 | 83 | 81 | 81 | 80 | 78 | 80 | 82 | 83 | 83 | 84 | 82 | 73 | 63 | 66 | 70 | 68 | 73 | 77 | 80 | 82 | 82 | 80 | 72 | 65 | 64   | 60 | 74   | 76.5    |
|                         | MIN          | 53 | 67 | 61 | 62 | 62 | 56 | 60 | 46 | 53 | 54 | 51 | 59 | 60 | 60 | 47 | 35 | 33 | 33 | 38 | 53 | 52 | 51 | 53 | 56 | 54 | 50 | 35 | 38   | 28 | 29   | 49.6    |
| BROOKVILLE FAA AIRPORT  | MAX          | 85 | 83 | 85 | 87 | 81 | 87 | 82 | 83 | 83 | 84 | 86 | 86 | 88 | 87 | 60 | 65 | 68 | 70 | 68 | 78 | 75 | 82 | 84 | 86 | 83 | 63 | 68 | 62   | 64 | 80   | 78.1    |
|                         | MIN          | 57 | 64 | 63 | 65 | 65 | 63 | 64 | 56 | 59 | 55 | 54 | 61 | 61 | 59 | 43 | 37 | 35 | 34 | 46 | 61 | 56 | 52 | 55 | 56 | 62 | 42 | 37 | 37   | 31 | 33   | 52.1    |
| BURGETTSTOWN 2 W        | MAX          | 90 | 84 | 86 | 89 | 84 | 86 | 88 | 81 | 83 | 85 | 87 | 87 | 88 | 90 | 86 | 61 | 68 | 70 | 71 | 74 | 78 | 78 | 82 | 85 | 86 | 84 | 67 | 70   | 65 | 65   | 79.9    |
|                         | MIN          | 53 | 64 | 61 | 64 | 65 | 63 | 65 | 57 | 53 | 50 | 52 | 56 | 62 | 62 | 50 | 39 | 37 | 35 | 37 | 54 | 56 | 50 | 54 | 55 | 57 | 55 | 38 | 40   | 30 | 30   | 51.5    |
| BURNT CABINS 2 NE       | MAX          | 89 | 90 | 87 | 85 | 87 | 87 | 86 | 78 | 84 | 84 | 86 | 88 | 88 | 87 | 84 | 68 | 70 | 70 | 68 | 80 | 84 | 86 | 88 | 89 | 70 | 73 | 73 | 69   | 71 | 81.0 |         |
|                         | MIN          | 60 | 59 | 65 | 64 | 62 | 63 | 70 | 70 | 66 | 64 | 59 | 64 | 65 | 66 | 58 | 37 | 37 | 37 | 55 | 62 | 61 | 55 | 56 | 58 | 56 | 55 | 42 | 43   | 33 | 36   | 56.5    |
| BUTLER                  | MAX          | 92 | 89 |    | 90 | 88 |    | 90 | 84 | 88 | 89 | 88 | 88 | 93 | 88 | 66 | 70 | 73 | 74 | 81 | 79 | 85 | 88 | 85 | 67 | 71 | 65 | 75 | 81.8 |    |      |         |
|                         | MIN          | 56 | 58 |    | 61 | 61 | 66 | 56 | 57 | 51 | 55 | 61 | 64 | 51 | 36 | 36 | 33 | 35 | 52 | 60 | 52 | 52 | 56 | 54 | 37 | 38 | 29 | 30 | 30   | 30 | 50.4 |         |
| CANTON 1 NW             | MAX          | 90 |    | 81 | 85 | 80 | 83 | 79 | 78 | 82 | 82 | 85 | 85 | 83 | 79 | 60 | 64 | 64 | 67 | 69 | 70 | 77 | 81 | 84 | 85 | 84 | 60 | 68 | 65   | 60 | 76.2 |         |
|                         | MIN          | 62 | 65 | 65 | 66 | 66 | 58 | 60 | 59 | 58 | 57 | 59 | 60 | 65 | 48 | 41 | 38 | 35 | 40 | 50 | 60 | 59 | 60 | 61 | 58 | 50 | 40 | 40 | 34   | 35 | 35   | 53.8    |
| CARLISLE                | MAX          | 93 | 90 | 89 | 92 | 90 | 90 | 84 | 80 | 86 | 89 | 92 | 92 | 90 | 87 | 80 | 72 | 73 | 73 | 72 | 72 | 84 | 89 | 93 | 91 | 91 | 72 | 78 | 73   | 69 | 75   | 83.4    |
|                         | MIN          | 64 | 68 | 69 | 70 | 70 | 69 | 72 | 71 | 70 | 67 | 64 | 67 | 70 | 68 | 61 | 47 | 45 | 42 | 58 | 63 | 68 | 62 | 61 | 63 | 63 | 62 | 46 | 49   | 41 | 40   | 60.9    |
| CHAMBERSBURG 1 ESE      | MAX          | 94 | 91 | 91 | 92 | 91 | 90 | 81 | 79 | 85 | 88 | 90 | 92 | 90 | 86 | 73 | 73 | 71 | 73 | 71 | 70 | 83 | 89 | 90 | 90 | 90 | 75 | 76 | 71   | 68 | 75   | 82.6    |
|                         | MIN          | 60 | 64 | 65 | 64 | 65 | 65 | 71 | 69 | 66 | 64 | 61 | 64 | 66 | 64 | 56 | 40 | 39 | 38 | 54 | 62 | 61 | 57 | 59 | 59 | 58 | 60 | 45 | 45   | 34 | 35   | 57.0    |
| CLAYSVILLE 3 W          | MAX          | 92 | 88 | 90 | 89 | 90 | 90 | 85 | 88 | 88 | 90 | 89 | 89 | 90 | 87 | 74 | 71 | 72 | 72 | 75 | 76 | 81 | 84 | 86 | 89 | 87 | 74 | 73 | 74   | 67 | 83   | 82.8    |
|                         | MIN          | 50 | 68 | 61 | 61 | 64 | 64 | 66 | 60 | 56 | 49 | 52 | 60 | 61 | 60 | 54 | 37 | 38 | 34 | 53 | 52 | 56 | 50 | 55 | 56 | 56 | 56 | 38 | 42   | 28 | 34   | 52.4    |
| CLERMONT 4 NW           | MAX          | 84 | 86 | 84 | 82 | 78 | 80 | 82 | 84 | 84 | 88 | 86 | 84 | 85 | 82 | 77 | 72 | 68 | 70 | 71 | 78 | 80 | 82 | 84 | 78 | 80 | 65 | 58 | 60   | 62 | 77.1 |         |
|                         | MIN          | 56 | 70 | 60 | 62 | 65 | 60 | 60 | 50 | 50 | 60 | 60 | 60 | 60 | 46 | 38 | 30 | 34 | 40 | 58 | 59 | 54 | 58 | 58 | 50 | 50 | 36 | 46 | 26   | 28 | 51.0 |         |
| COATESVILLE 1 SW        | MAX          | 90 | 92 | 92 | 89 | 92 | 93 | 90 | 82 | 80 | 86 | 90 | 91 | 92 | 92 | 86 | 72 | 72 | 72 | 71 | 68 | 75 | 82 | 88 | 90 | 90 | 85 | 75 | 77   | 77 | 68   | 83.3    |
|                         | MIN          | 63 | 67 | 68 | 68 | 72 | 70 | 72 | 69 | 67 | 64 | 67 | 69 | 68 | 65 | 61 | 46 | 47 | 46 | 47 | 62 | 62 | 67 | 66 | 64 | 64 | 65 | 45 | 49   | 40 | 36   | 60.5    |
| CONFLUENCE 1 SW OAM     | MAX          | 91 | 87 | 85 | 88 | 85 | 86 | 88 | 86 | 85 | 87 | 87 | 89 | 90 | 91 | 89 | 61 | 66 | 72 | 73 | 75 | 74 | 76 | 83 | 86 | 86 | 67 | 66 | 74   | 65 | 70   | 80.9    |
|                         | MIN          | 56 | 61 | 62 | 63 | 66 | 64 | 65 | 67 | 64 | 64 | 59 | 60 | 64 | 58 | 55 | 40 | 40 | 38 | 39 | 55 | 58 | 52 | 53 | 60 | 60 | 54 | 44 | 44   | 37 | 36   | 54.6    |
| CONNEAUTVILLE           | MAX          | 88 | 82 | 88 | 88 | 84 | 83 | 87 | 82 | 81 | 83 | 86 | 86 | 85 | 89 | 83 | 59 | 66 | 69 | 72 | 75 | 81 | 80 | 84 | 85 | 86 | 78 | 64 | 70   | 58 | 65   | 78.9    |
|                         | MIN          | 58 | 61 | 65 | 67 | 64 | 57 | 60 | 51 | 51 | 55 | 58 | 63 | 65 | 66 | 54 | 44 | 34 | 35 | 44 | 51 | 58 | 55 | 59 | 58 | 60 | 51 | 40 | 45   | 31 | 37   | 53.2    |
| CORRY                   | MAX          | 86 | 86 | 85 | 85 | 83 | 85 | 83 | 82 | 84 | 86 | 86 | 85 | 87 | 83 | 69 | 66 | 69 | 74 | 75 | 80 | 78 | 84 | 87 | 85 | 77 | 75 | 68 | 61   | 63 | 78   | 79.2    |
|                         | MIN          | 60 | 67 | 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |         |

DAILY TEMPERATURES

PENNSYLVANIA  
SEPTEMBER 1961

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like EVERETT 1 SW, FARRELL SHARON, FORO CITY 4 S OAM, etc.

See Reference Notes Following Station Index

## DAILY TEMPERATURES

PENNSYLVANIA  
SEPTEMBER 1961

Continued

| Station                 |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      | Average |
|-------------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|---------|
|                         |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30   | 31   |         |
| NEW STANTON             | MAX | 93           | 88 | 91 | 87 | 89 | 95 | 86 | 88 | 89 | 89 | 91 | 92 | 93 | 85 | 63 | 70 | 76 | 75 | 77 | 79 | 79 | 85 | 87 | 90 | 89 | 68 | 74 | 70 | 71 | 76   | 82.8 |         |
|                         | MIN | 69           | 65 | 62 | 63 | 64 | 65 | 63 | 62 | 65 | 58 | 54 | 62 | 62 | 65 | 46 | 48 | 46 | 38 | 54 | 54 | 58 | 52 | 58 | 58 | 58 | 48 | 46 | 47 | 31 | 39   | 55.3 |         |
| NORRISTOWN              | MAX | 92           | 92 | 92 | 93 | 92 | 90 | 81 | 83 | 87 | 90 | 92 | 93 | 92 | 86 | 75 | 73 | 72 | 73 | 68 | 75 | 84 | 89 | 91 | 90 | 86 | 76 | 76 | 77 | 67 | 73   | 83.3 |         |
|                         | MIN | 67           | 72 | 69 | 69 | 71 | 71 | 70 | 67 | 69 | 68 | 70 | 71 | 71 | 71 | 55 | 49 | 48 | 44 | 60 | 64 | 66 | 64 | 65 | 66 | 67 | 58 | 51 | 55 | 44 | 40   | 62.4 |         |
| PALMERTON               | MAX | 89           | 88 | 85 | 90 | 88 | 87 | 77 | 78 | 84 | 86 | 88 | 90 | 88 | 83 | 75 | 68 | 68 | 72 | 65 | 73 | 81 | 86 | 88 | 87 | 81 | 68 | 73 | 70 | 63 | 69   | 79.6 |         |
|                         | MIN | 64           | 71 | 67 | 68 | 68 | 67 | 70 | 69 | 67 | 63 | 64 | 63 | 67 | 70 | 48 | 42 | 39 | 38 | 55 | 62 | 65 | 63 | 60 | 61 | 65 | 51 | 44 | 44 | 39 | 34   | 58.3 |         |
| PHIL OREXEL INST OF TEC | MAX | 90           | 95 | 95 | 93 | 91 | 88 | 81 | 81 | 84 | 88 | 91 | 94 | 89 | 83 | 75 | 70 | 68 | 69 | 67 | 75 | 84 | 90 | 92 | 87 | 87 | 77 | 77 | 79 | 68 | 73   | 82.7 |         |
|                         | MIN | 73           | 74 | 73 | 72 | 75 | 75 | 72 | 70 | 72 | 71 | 74 | 73 | 74 | 73 | 61 | 51 | 54 | 50 | 62 | 65 | 66 | 68 | 71 | 71 | 71 | 71 | 56 | 60 | 53 | 49   | 66.7 |         |
| PHILADELPHIA WB AP      | MAX | 89           | 90 | 91 | 91 | 92 | 89 | 81 | 80 | 83 | 85 | 88 | 89 | 89 | 82 | 74 | 70 | 70 | 71 | 66 | 73 | 82 | 86 | 88 | 86 | 84 | 74 | 73 | 77 | 64 | 70   | 80.9 |         |
|                         | MIN | 66           | 70 | 68 | 68 | 75 | 73 | 69 | 67 | 69 | 68 | 67 | 68 | 71 | 69 | 56 | 47 | 52 | 50 | 62 | 64 | 66 | 65 | 63 | 64 | 66 | 50 | 47 | 52 | 42 | 39   | 62.1 |         |
| PHILADELPHIA PT BREEZE  | MAX | 90           | 92 | 93 | 92 | 92 | 86 | 82 | 85 | 87 | 88 | 90 | 93 | 92 | 85 | 76 | 72 | 71 | 72 | 68 | 74 | 84 | 89 | 91 | 87 | 78 | 78 | 78 | 68 | 75 | 83.2 |      |         |
|                         | MIN | 72           | 68 | 72 | 73 | 76 | 74 | 72 | 70 | 72 | 72 | 75 | 75 | 75 | 74 | 62 | 54 | 57 | 53 | 64 | 66 | 67 | 72 | 73 | 74 | 73 | 66 | 61 | 62 | 54 | 53   | 67.7 |         |
| PHILIPSBURG FAA AP      | MAX | 83           | 80 | 80 | 84 | 77 | 82 | 78 | 78 | 80 | 82 | 83 | 85 | 84 | 81 | 68 | 62 | 64 | 65 | 66 | 68 | 75 | 78 | 83 | 83 | 80 | 59 | 68 | 62 | 62 | 67   | 74.9 |         |
|                         | MIN | 56           | 66 | 62 | 64 | 62 | 59 | 63 | 61 | 60 | 52 | 52 | 61 | 63 | 60 | 44 | 39 | 30 | 31 | 47 | 60 | 60 | 54 | 58 | 55 | 50 | 37 | 40 | 33 | 33 | 44   | 52.0 |         |
| PHOENIXVILLE 1 E        | MAX | 90           | 91 | 97 | 92 | 92 | 88 | 86 | 82 | 86 | 89 | 91 | 92 | 90 | 87 | 80 | 73 | 70 | 70 | 68 | 75 | 85 | 88 | 89 | 86 | 84 | 78 | 74 | 77 | 66 | 71   | 82.9 |         |
|                         | MIN | 61           | 71 | 67 | 67 | 68 | 68 | 66 | 67 | 68 | 65 | 69 | 70 | 69 | 67 | 59 | 46 | 44 | 42 | 58 | 61 | 65 | 65 | 60 | 61 | 60 | 61 | 45 | 48 | 40 | 36   | 59.8 |         |
| PITTSBURGH WB AP 2      | MAX | 89           | 87 | 89 | 85 | 86 | 87 | 81 | 84 | 86 | 88 | 88 | 89 | 91 | 87 | 63 | 69 | 75 | 72 | 75 | 76 | 79 | 84 | 87 | 87 | 86 | 68 | 71 | 65 | 83 | 80.7 |      |         |
|                         | MIN | 68           | 65 | 63 | 67 | 61 | 63 | 69 | 63 | 60 | 58 | 62 | 65 | 65 | 60 | 49 | 45 | 45 | 43 | 54 | 58 | 56 | 59 | 60 | 61 | 58 | 49 | 42 | 42 | 36 | 43   | 56.3 |         |
| PITTSBURGH WB CITY      | MAX | 86           | 87 | 91 | 87 | 86 | 88 | 85 | 86 | 87 | 90 | 90 | 92 | 90 | 88 | 63 | 70 | 71 | 73 | 75 | 78 | 79 | 86 | 89 | 88 | 88 | 69 | 73 | 66 | 65 | 81   | 81.6 |         |
|                         | MIN | 69           | 68 | 68 | 73 | 70 | 69 | 72 | 67 | 67 | 63 | 65 | 72 | 72 | 61 | 55 | 51 | 48 | 47 | 57 | 62 | 65 | 62 | 68 | 66 | 61 | 55 | 50 | 49 | 42 | 47   | 61.4 |         |
| PLEASANT MOUNT 1 W      | MAX | 84           | 85 | 82 | 84 | 85 | 81 | 82 | 69 | 80 | 80 | 81 | 83 | 85 | 83 | 78 | 60 | 64 | 64 | 68 | 68 | 69 | 73 | 79 | 83 | 85 | 80 | 64 | 67 | 64 | 57   | 75.6 |         |
|                         | MIN | 53           | 60 | 65 | 64 | 64 | 58 | 59 | 60 | 55 | 57 | 56 | 59 | 60 | 60 | 52 | 39 | 35 | 31 | 33 | 44 | 59 | 56 | 57 | 55 | 50 | 38 | 39 | 35 | 30 | 51.5 |      |         |
| PORT CLINTON            | MAX | 91           | 90 | 90 | 86 | 91 | 90 | 89 | 75 | 78 | 85 | 88 | 88 | 90 | 89 | 83 | 71 | 72 | 70 | 72 | 65 | 72 | 82 | 86 | 89 | 89 | 84 | 71 | 74 | 72 | 67   | 81.3 |         |
|                         | MIN | 56           | 62 | 63 | 62 | 64 | 61 | 65 | 65 | 64 | 61 | 59 | 58 | 62 | 64 | 53 | 38 | 35 | 34 | 40 | 55 | 60 | 60 | 58 | 57 | 58 | 56 | 40 | 42 | 34 | 30   | 53.9 |         |
| PUTNEYVILLE 2 SE DAM    | MAX | 89           | 88 | 87 | 85 | 84 | 80 | 87 | 81 | 83 | 83 | 85 | 88 | 90 | 90 | 88 | 61 | 65 | 68 | 70 | 75 | 76 | 77 | 84 | 87 | 88 | 85 | 65 | 71 | 64 | 63   | 79.6 |         |
|                         | MIN | 53           | 58 | 58 | 61 | 62 | 58 | 59 | 54 | 57 | 54 | 52 | 54 | 60 | 59 | 47 | 38 | 32 | 33 | 37 | 49 | 56 | 50 | 51 | 53 | 54 | 50 | 38 | 39 | 28 | 29   | 49.4 |         |
| QUAKERTOWN 1 E          | MAX | 90           | 88 | 89 | 90 | 89 | 89 | 85 | 82 | 85 | 87 | 89 | 92 | 91 | 88 | 81 | 72 | 74 | 74 | 70 | 73 | 81 | 86 | 90 | 86 | 90 | 80 | 76 | 74 | 70 | 73   | 82.8 |         |
|                         | MIN | 58           | 70 | 68 | 66 | 67 | 66 | 68 | 66 | 64 | 65 | 63 | 63 | 65 | 68 | 59 | 44 | 45 | 38 | 55 | 63 | 64 | 64 | 60 | 58 | 61 | 63 | 42 | 45 | 40 | 33   | 58.4 |         |
| READING WB CITY         | MAX | 92           | 90 | 89 | 92 | 93 | 89 | 78 | 79 | 85 | 88 | 90 | 92 | 91 | 86 | 76 | 73 | 71 | 73 | 67 | 75 | 84 | 88 | 91 | 90 | 86 | 74 | 75 | 74 | 67 | 72   | 82.3 |         |
|                         | MIN | 68           | 72 | 69 | 70 | 73 | 71 | 72 | 71 | 72 | 69 | 70 | 71 | 73 | 72 | 55 | 50 | 48 | 47 | 63 | 64 | 67 | 69 | 69 | 65 | 67 | 59 | 51 | 53 | 47 | 41   | 63.6 |         |
| RENOVO                  | MAX | 93           | 90 | 89 | 85 | 91 | 89 | 92 | 89 | 88 | 89 | 89 | 91 | 93 | 93 | 90 | 68 | 72 | 72 | 76 | 72 | 77 | 85 | 87 | 92 | 90 | 89 | 66 | 75 | 72 | 67   | 83.7 |         |
|                         | MIN | 60           | 63 | 66 | 66 | 67 | 65 | 64 | 64 | 60 | 61 | 61 | 61 | 64 | 64 | 53 | 44 | 41 | 39 | 40 | 47 | 61 | 60 | 59 | 62 | 62 | 59 | 47 | 47 | 36 | 36   | 56.0 |         |
| RIOGWAY 3 W             | MAX | 87           | 85 | 86 | 87 | 84 | 85 | 85 | 84 | 84 | 86 | 82 | 88 | 89 | 87 | 70 | 67 | 70 | 72 | 70 | 78 | 79 | 83 | 86 | 87 | 84 | 75 | 70 | 63 | 65 | 78   | 79.9 |         |
|                         | MIN | 56           | 70 | 62 | 64 | 64 | 64 | 62 | 61 | 64 | 55 | 52 | 60 | 59 | 63 | 48 | 39 | 35 | 35 | 41 | 57 | 58 | 54 | 52 | 55 | 54 | 54 | 36 | 38 | 31 | 32   | 52.2 |         |
| SALINA 3 W              | MAX | 87           | 85 | 88 | 85 | 83 | 89 | 84 | 85 | 86 | 87 | 88 | 87 | 90 | 87 | 71 | 66 | 70 | 72 | 74 | 75 | 77 | 82 | 87 | 87 | 87 | 81 | 71 | 67 | 66 | 80   | 80.8 |         |
|                         | MIN | 62           | 70 | 63 | 67 | 66 | 63 | 66 | 63 | 63 | 60 | 57 | 64 | 64 | 62 | 44 | 39 | 39 | 38 | 54 | 59 | 61 | 64 | 61 | 59 | 61 | 55 | 42 | 46 | 35 | 38   | 55.8 |         |
| SCRANTON                | MAX | 92           | 94 | 90 | 92 | 91 | 89 | 89 | 80 | 86 | 80 | 81 | 90 | 93 | 91 | 87 | 74 | 72 | 74 | 77 | 72 | 75 | 81 | 86 | 90 | 92 | 86 | 69 | 74 | 71 | 65   | 82.8 |         |
|                         | MIN | 66           | 67 | 66 | 68 | 68 | 66 | 66 | 69 | 61 | 62 | 57 | 66 | 67 | 67 | 57 | 45 | 44 | 41 | 41 | 54 | 64 | 59 | 60 | 62 | 63 | 64 | 47 | 47 | 44 | 37   | 58.2 |         |
| SCRANTON WB AIRPORT     | MAX | 88           | 85 | 82 | 86 | 84 | 83 | 78 | 82 | 84 | 85 | 87 | 88 | 89 | 85 | 74 | 70 | 70 | 73 | 70 | 72 | 80 | 84 | 85 | 86 | 82 | 69 | 70 | 67 | 61 | 69   | 78.9 |         |
|                         | MIN | 64           | 69 | 66 | 65 | 68 | 63 | 67 | 66 | 63 | 67 | 66 | 67 | 68 | 69 | 49 | 44 | 42 | 40 | 54 | 62 | 63 | 59 | 61 | 61 | 62 | 49 | 43 | 45 | 40 | 37   | 57.8 |         |
| SHIPPENSBURG            | MAX | 94           | 90 | 92 | 92 | 92 | 91 | 89 | 78 | 84 | 90 | 90 | 92 | 90 | 89 | 85 | 70 | 73 | 73 | 71 | 70 | 81 | 87 | 92 | 92 | 91 | 89 | 78 | 75 | 71 | 77   | 84.3 |         |
|                         | MIN | 62           | 68 | 67 | 68 | 68 | 67 | 71 | 70 | 69 | 65 | 63 | 63 | 68 | 65 | 59 | 45 | 42 | 41 | 55 | 62 | 64 | 62 | 64 | 63 | 60 | 58 | 46 | 49 | 38 | 37   | 59.3 |         |
| SLIPPERY ROCK           | MAX | 87           | 90 | 89 | 86 | 86 | 89 | 84 | 86 | 88 | 89 | 89 | 86 | 90 | 84 | 68 | 70 | 70 | 73 | 73 | 78 | 79 | 86 | 89 | 88 | 84 | 78 | 73 | 66 | 69 | 82   | 81.6 |         |
|                         | MIN | 64           | 68 | 69 | 72 | 68 | 65 | 69 | 60 | 62 | 57 | 61 | 66 | 67 | 68 | 52 | 42 | 40 | 45 | 54 | 58 | 61 | 58 | 63 | 62 | 64 | 54 | 48 | 50 | 36 | 46   | 58.3 |         |
| STATE COLLEGE           | MAX | 89           | 88 | 82 | 81 | 87 | 83 | 86 | 82 | 79 | 86 | 87 | 87 | 89 | 89 | 85 | 65 | 67 | 67 | 69 | 69 | 71 | 79 | 84 | 86 | 87 | 87 | 63 | 72 | 65 | 63   | 79.1 |         |
|                         | MIN | 62           | 66 | 66 | 68 | 65 | 67 | 67 | 65 | 66 | 66 | 67 | 62 | 66 | 67 | 55 | 44 | 41 | 39 | 40 | 51 | 61 | 60 | 62 | 61 | 60 | 56 | 46 | 48 | 40 | 38   | 57.0 |         |
| STOYSTOWN               | MAX | 89           | 85 | 81 | 84 | 83 | 84 | 87 | 82 | 80 | 85 | 85 | 85 | 89 | 89 | 85 | 58 | 67 | 67 | 70 | 72 | 72 | 74 | 81 | 86 | 86 | 64 | 67 | 63 | 67 | 78.4 |      |         |
|                         | MIN | 54           | 61 | 61 | 65 | 61 | 61 | 61 | 62 | 64 | 60 | 57 | 54 | 51 | 62 | 63 | 38 | 35 | 35 | 37 | 54 | 57 | 52 | 53 | 57 | 56 | 50 | 42 | 43 | 31 | 35   | 52.1 |         |
| STROUBSBURG             | MAX | 90           | 91 | 89 | 92 | 88 | 88 | 77 | 81 | 86 | 88 | 90 | 92 | 88 | 85 | 81 | 72 | 70 | 72 | 63 | 73 | 80 | 88 | 88 | 88 | 83 | 80 | 76 | 75 | 66 | 71   | 81.7 |         |
|                         | MIN | 64           | 68 | 64 | 65 | 65 | 62 | 67 | 66 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |      |         |

## EVAPORATION AND WIND

PENNSYLVANIA  
SEPTEMBER 1961

| Station             |      | Day of month |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               | Total<br>or<br>Avg. |
|---------------------|------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|---------------------|
|                     |      | 1            | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31            |                     |
| BELLEFONTE 4 S      | EVAP | .17          | .25 | .16 | .13 | .45 | .00 | .03 | .08 | .13 | .13 | .17 | .17 | .16 | .15 | .09 | .21 | .12 | .33 | -   | .03 | .02 | .15 | .16 | .19 | .16 | .19 | .10 | .14 | .18 | .11 | B4.52<br>132  |                     |
|                     | WIND | 4            | 8   | 3   | 4   | 2   | 2   | 3   | 3   | 1   | 3   | 3   | 4   | 10  | 13  | 8   | 4   | 3   | 2   | 2   | 3   | 7   | 4   | 3   | 2   | 7   | 7   | 5   | 6   | 3   |     |               |                     |
| CONFLUENCE 1 SW DAM | EVAP | .16          | .12 | .14 | .11 | .07 | .15 | .14 | .16 | .14 | .14 | .07 | .22 | .17 | .20 | .21 | .09 | .11 | .18 | .15 | .07 | .03 | .08 | .06 | .15 | .13 | .19 | .08 | .12 | .09 | .12 | 3.85<br>810   |                     |
|                     | WIND | 27           | 15  | 26  | 11  | 18  | 5   | 14  | 28  | 8   | 18  | 19  | 11  | 12  | 27  | 72  | 69  | 37  | 46  | 19  | 29  | 19  | 21  | 19  | 21  | 25  | 61  | 40  | 31  | 39  | 23  |               |                     |
| FORD CITY 4 S DAM   | EVAP | .17          | .14 | .14 | .08 | .18 | .10 | .16 | .06 | .18 | .13 | .14 | .14 | .13 | .19 | .23 | .11 | .08 | .14 | .17 | .03 | .08 | .08 | .11 | .13 | .14 | .17 | .08 | .10 | .19 | .08 | 3.86<br>725   |                     |
|                     | WIND | 10           | 45  | 36  | 4   | 27  | 15  | 8   | 13  | 19  | 11  | 9   | 17  | 21  | 33  | 89  | 54  | 12  | 11  | 17  | 12  | 11  | 18  | 11  | 16  | 7   | 70  | 57  | 20  | 41  | 11  |               |                     |
| JAMESTOWN 2 NW      | EVAP | *            | *   | .37 | .18 | .10 | .16 | .12 | .18 | .16 | .12 | .16 | *   | .10 | .13 | .17 | .09 | .07 | .10 | .13 | .14 | .07 | .07 | .13 | .12 | .13 | .17 | .14 | .09 | .10 | .10 | 3.70<br>464   |                     |
|                     | WIND | 6            | 24  | 34  | 3   | 4   | 9   | 5   | 12  | 16  | 28  | *   | *   | 42  | *   | 17  | 11  | 12  | 25  | 6   | 15  | 21  | 10  | 9   | 15  | 24  | 55  | 26  | 22  | 5   | 8   |               |                     |
| LANDISVILLE 2 NW    | EVAP | .28          | .68 | .16 | .11 | .17 | .11 | .27 | .04 | .08 | .14 | -   | .10 | .16 | .14 | .36 | .21 | .19 | .15 | .17 | .07 | .05 | .23 | -   | .18 | .24 | .15 | .23 | .11 | .19 | .04 | B5.37<br>1416 |                     |
|                     | WIND | 71           | 46  | 22  | 37  | 20  | 41  | 21  | 31  | 7   | 28  | 15  | 10  | 16  | 64  | 111 | 85  | 57  | 43  | 53  | 81  | 110 | 102 | 52  | 12  | 46  | 61  | 68  | 19  | 47  | 40  |               |                     |

## DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth            | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              | Average |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|---------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31           |         |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | -            | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 73 | 73 | 72 | 71 | 67 | 66 | 64 | 64           | -       |
|                                    | MIN  | -            | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 70 | 70 | 70 | 67 | 64 | 64 | 61           |         |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 68           | 70 | 70 | 70 | 71 | 70 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 88 | 61 | 60 | 59 | 63 | 64 | 66 | 66 | 65 | 64 | 66 | 66 | 60 | 60 | 57 | 56 | 66.0         |         |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 81           | 78 | 78 | 82 | 80 | 81 | 79 | 81 | 83 | 84 | 83 | 84 | 83 | 81 | 74 | 70 | 74 | 73 | 69 | 70 | 73 | 75 | 78 | 81 | 78 | 70 | 73 | 68 | 69 | 65 | 76.6<br>66.5 |         |
|                                    | MIN  | 67           | 72 | 72 | 72 | 72 | 73 | 74 | 73 | 74 | 72 | 71 | 72 | 73 | 72 | 64 | 59 | 57 | 58 | 62 | 67 | 66 | 65 | 66 | 66 | 67 | 63 | 59 | 59 | 54 | 54 |              |         |
| 4 INCHES                           | MAX  | 80           | 77 | 77 | 80 | 79 | 80 | 78 | 80 | 81 | 81 | 81 | 82 | 81 | 79 | 74 | 69 | 71 | 71 | 68 | 69 | 70 | 73 | 76 | 78 | 76 | 70 | 71 | 67 | 67 | 66 | 75.1<br>67.5 |         |
|                                    | MIN  | 71           | 73 | 73 | 72 | 73 | 73 | 74 | 74 | 74 | 73 | 72 | 73 | 74 | 73 | 65 | 61 | 59 | 60 | 63 | 67 | 66 | 66 | 67 | 67 | 67 | 67 | 63 | 61 | 56 | 55 |              |         |
| 8 INCHES                           | MAX  | 76           | 75 | 75 | 77 | 77 | 78 | 77 | 77 | 78 | 77 | 78 | 77 | 78 | 77 | 75 | 68 | 69 | 68 | 68 | 69 | 70 | 71 | 73 | 74 | 73 | 72 | 69 | 66 | 65 | 64 | 73.0<br>69.4 |         |
|                                    | MIN  | 72           | 73 | 73 | 73 | 74 | 74 | 74 | 74 | 74 | 74 | 73 | 74 | 75 | 74 | 68 | 65 | 63 | 63 | 65 | 67 | 67 | 67 | 68 | 68 | 69 | 67 | 63 | 63 | 60 | 60 |              |         |
| 12 INCHES                          | MAX  | 74           | 74 | 74 | 75 | 75 | 76 | 76 | 76 | 75 | 76 | 76 | 76 | 76 | 76 | 75 | 71 | 69 | 68 | 68 | 68 | 69 | 69 | 70 | 72 | 71 | 71 | 68 | 68 | 65 | 65 | 72.1<br>70.1 |         |
|                                    | MIN  | 72           | 73 | 73 | 73 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 75 | 74 | 71 | 68 | 66 | 66 | 66 | 67 | 68 | 68 | 69 | 69 | 70 | 68 | 66 | 65 | 63 | 62 |              |         |
| 16 INCHES                          | MAX  | 73           | 73 | 73 | 73 | 74 | 74 | 75 | 75 | 75 | 74 | 75 | 75 | 75 | 75 | 75 | 72 | 70 | 69 | 68 | 68 | 69 | 69 | 70 | 70 | 70 | 71 | 69 | 68 | 67 | 65 | 71.6<br>70.3 |         |
|                                    | MIN  | 72           | 72 | 73 | 72 | 73 | 74 | 74 | 74 | 73 | 73 | 73 | 74 | 74 | 74 | 72 | 69 | 68 | 67 | 67 | 68 | 68 | 69 | 69 | 69 | 69 | 69 | 67 | 66 | 65 | 64 |              |         |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

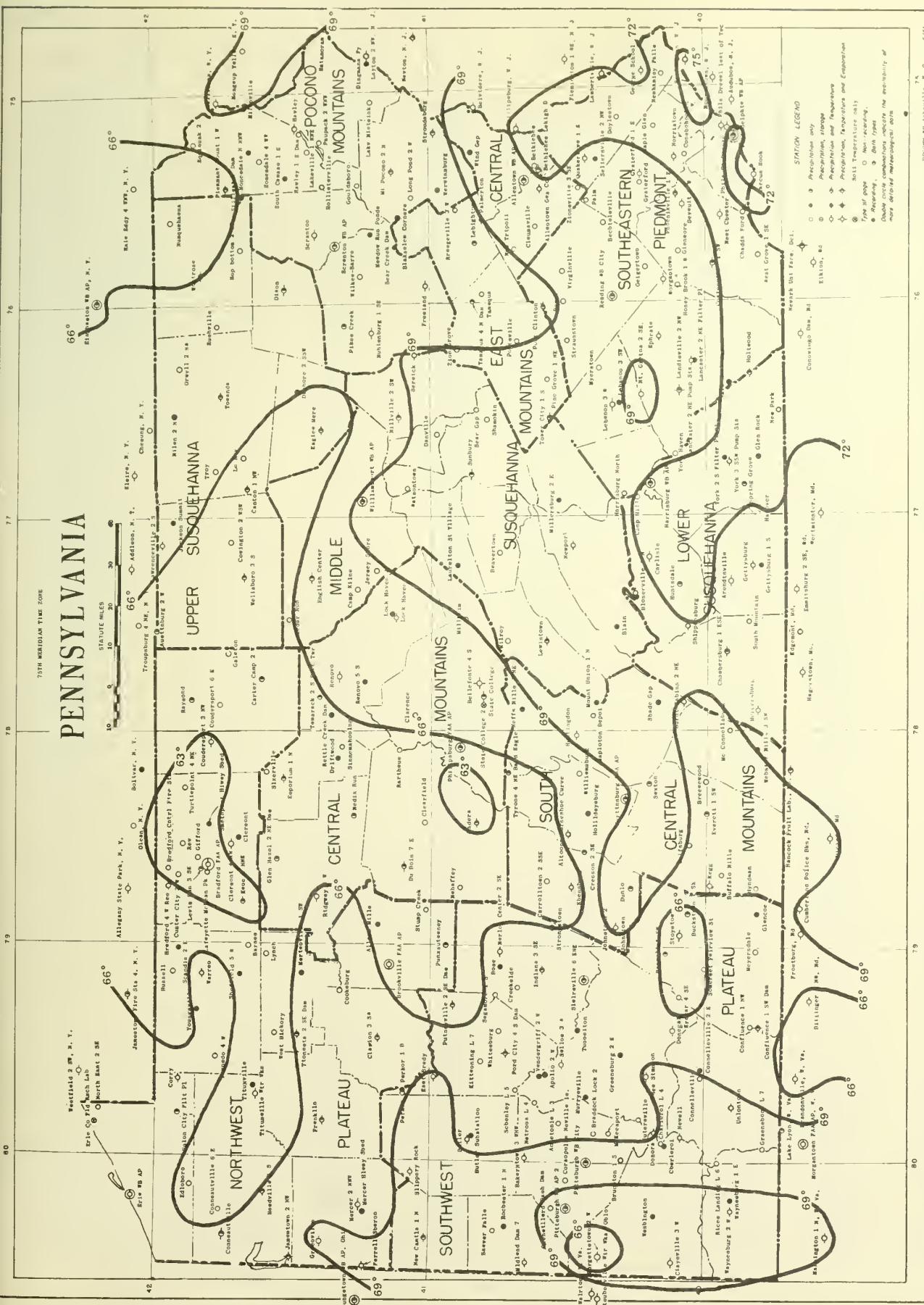
Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
SEPTEMBER 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA  
SEPTEMBER 1961

| STATION                   | INDEX NO. | COUNTY       | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         |       | OBSERVER                                   | STATION        | INDEX NO.    | COUNTY     | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |       |  |                                      |                    | OBSERVER              |                 |                |               |                     |                       |                |                    |                      |                      |                    |
|---------------------------|-----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|---------|-------|--|----------------|--------------|------------|----------|----------|-----------|-----------|-----------------------------|-------|--|--------------------------------------|--------------------|-----------------------|-----------------|----------------|---------------|---------------------|-----------------------|----------------|--------------------|----------------------|----------------------|--------------------|
|                           |           |              |          |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL | TEMP. |  |                |              |            |          |          |           |           | PRECIP.                     | EVAP. | SPECIAL  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ACHETONA LOCK 3           | 0022      | ALLEGHENY    | 1        | 40 32    | 79 49     | 748       | 7A                          |         |       |         | C     | CORPS OF ENGINEERS CHARLES H. ALLEN        | HUNTSDALE      | 4188         | CUMBERLAND | 15       | 40 04    | 77 18     | 610       | 8A                          | C     | METRO P. DOROSH                                      |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ALLENS HILLS              | 0096      | JEFFERSON    | 1        | 41 12    | 79 59     | 1800      |                             |         |       |         |       |  | HYNDAN         | 4210         | BEDFORD    | 12       | 39 49    | 78 44     | 960       | 7A                          | C     | DONALD LEHMAN  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ALLEN TOWN WB AP          | 0106      | LEHIGH       | 9        | 40 39    | 75 26     | 376       | N1D                         | M1D     |       |         | C     | U.S. WEATHER BUREAU LEHIGH VALLEY GAS DIV. | INDIANA 3 SE   | 4214         | INDIANA    | 11       | 40 36    | 79 01     | 1102      | 7R                          | 7A    | C  | CLYMER WATER SVC. CO.                |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ALLEN TOWN GAS CO         | 0313      | LEHIGH       | 9        | 40 38    | 75 26     | 254       | 7A                          | 7A      |       |         |       | ALTOONA WATER CUR.                         | JACKSON SUMMIT | 4302         | JACKSON    | 11       | 41 57    | 77 31     | 1690      | 8A                          | 8A    | C  | ARCHIE LAIN PA. DEPT. FRAST. + WTRS. |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ALTOONA HORSESHOE CURVE   | 0314      | BLAIR        | 6        | 42 30    | 78 29     | 1905      | 6P                          | 6P      |       |         |       | JAMESTOWN 2 NW                             | 4325           | CRAWFORD     | 2          | 41 30    | 80 28    | 1050      | 8A        | 8A                          | C     |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| APOLLO 2 W                | 0204      | WESTMORELAND | 7        | 40 35    | 79 38     | 1060      |                             |         |       |         | C     | EUGENE R. YOUNG PA. STATE COL. EXP. STA.   | 4363           | LYCOMING     | 16         | 41 12    | 77 15    | 541       | 7A        |                             |       | GEORGE R. WADDLE JOHNSTOWN TRIBUNE CITY OF JOHNSTOWN |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| ARENTSVILLE               | 0229      | ADAMS        | 15       | 39 55    | 77 18     | 710       | 8A                          | 8A      |       |         |       | JOHNSTOWN                                  | 4385           | CAMBRIA      | 4          | 40 20    | 78 55    | 1214      | 9A        | 9A                          | C     |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| AUSTINBURG 2 W            | 0313      | TIOGA        | 15       | 42 00    | 77 32     | 1590      | 7A                          | 7A      |       |         | C     | OTTO D. BACON                              | 4390           | CAMBRIA      | 4          | 40 19    | 78 55    | 1275      | 7A        |                             |       | GEORGE R. WADDLE JOHNSTOWN TRIBUNE CITY OF JOHNSTOWN |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BAKERTOWN 2 W             | 0355      | ALLEGHENY    | 1        | 40 39    | 79 59     | 1230      | 3P                          | 3P      |       |         |       | KANE 1 NE                                  | 4432           | MC KEAN      | 1          | 41 41    | 78 40    | 1750      | 8A        | 8A                          | C     | RODOLPH A. ANDERSON WILLIAM J. HOME                  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BAKERTOWN 3 WNW           | 0409      | WARREN       | 1        | 41 40    | 79 02     | 1310      | 7A                          |         |       |         |       | KARTHANS                                   | 4450           | CLEARFIELD   | 16         | 41 07    | 78 07    | 95        | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BARNES                    | 0455      | LUZERNE      | 9        | 41 07    | 75 44     | 1505      | 7A                          |         |       |         | C     | KEGG                                       | 4481           | BEDFORD      | 6          | 39 59    | 78 43    | 1280      | N1D       | M1D                         |       | PA. TURNPIKE COMM.                                   |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BEAR CREEK DAM            | 0457      | NORTHUMBUND  | 15       | 40 50    | 76 30     | 900       | 3P                          |         |       |         |       | LACE CREEK DAN                             | 4545           | CLINTON      | 10         | 41 22    | 77 56    | 930       |           |                             |       | CORPS OF ENGINEERS                                   |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BEAR FAULT                | 0475      | BEAVER       | 10       | 40 46    | 80 19     | 760       | 7A                          |         |       |         |       | LAKESIDE HOOK                              | 4592           | TIFTERS      | 1          | 40 49    | 75 32    | 790       | 7A        |                             |       | VAR.   |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BEAVER FALLS              | 0482      | Snyder       | 13       | 40 45    | 77 10     | 640       | 7A                          |         |       |         |       | KREGAR 4 SE                                | 4607           | WESTMORELAND | 17         | 40 06    | 79 14    | 2530      |           |                             |       | INACTIVE 12/59                                       |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BEAVER TOWN               | D488      | BERKS        | 14       | 40 22    | 75 38     | 400       | 7A                          |         |       |         |       | KRESGEVILLE 3 W                            | 4672           | CARBON       | 9          | 40 54    | 75 34    | 720       | 7A        |                             |       | CITY OF BETHELHEM                                    |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BELLEFRONT 4 S            | 0530      | CENTRE       | 14       | 40 51    | 77 47     | 1110      | 8A                          | 8A      |       |         |       | LAFAYETTE MC KEAN PARK                     | 4706           | MC KEAN      | 1          | 41 48    | 78 40    | 2130      |           |                             |       | INACTIVE 12/59                                       |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BELLEVILLE 4 S            | 0599      | BERKS        | 14       | 40 31    | 76 00     | 325       | 7A                          |         |       |         |       | LAKE MINISINK                              | 4727           | PIKE         | 5          | 41 23    | 75 03    | 1360      | 7A        |                             |       | MRS. IRENE FOREMAN                                   |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BERNICE                   | 0611      | COLUMBIA     | 15       | 41 04    | 76 15     | 570       | 6P                          | 6P      |       |         |       | LAKEVIEW 1 NE                              | 4733           | MAYNE        | 5          | 41 27    | 75 14    | 1440      | 7A        |                             |       | MRS. GLADYS REINKER                                  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BETHLEHEM                 | 0629      | NORTHAMPTON  | 9        | 40 37    | 75 22     | 400       | 7A                          |         |       |         |       | LANCASTER 2 NE PUMP STA                    | 4758           | LANCASTER    | 15         | 40 03    | 76 17    | 255       | 6P        | 6P                          |       | H  | LANCASTER WATER BUREAU               |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BETHLEHEM LEHIGH UNIV     | 0634      | NORTHAMPTON  | 9        | 40 36    | 75 23     | 450       | M1D                         | M1D     |       |         |       | LANCASTER 2 NE FILT PL                     | 4759           | LANCASTER    | 15         | 40 03    | 76 17    | 255       |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BLAIN                     | 0725      | PERRY        | 15       | 40 20    | 77 31     | 750       |                             |         |       |         |       | LANDISVILLE 2 NW                           | 4778           | LANCASTER    | 15         | 40 07    | 76 26    | 360       | 8A        | 8A                          | C     | RA. STATE COLLEGE                                    |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BLAIRSVILLE 4 ENE         | 0736      | INDIANA      | 6        | 40 27    | 79 09     | 2048      | 8P                          | 8P      |       |         | C     | LANCASTER UNION                            | 4853           | UNION        | 12         | 40 54    | 77 10    | 270       | 7A        |                             |       | RA. DEPT. OF WELFARE                                 |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BLAKESLEE CORNERS         | 0763      | MONROE       | 5        | 41 06    | 76 38     | 1650      | 7A                          |         |       |         |       | LAWRENCEVILLE 2 S                          | 4873           | TIOGA        | 11         | 41 59    | 77 07    | 1000      | 6R        | 6R                          |       |  | C                                    | MRS. PA. HOWLAND   |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BLOESVILLE 1 N            | 0813      | CUMBERLAND   | 15       | 40 16    | 77 22     | 650       | 8A                          |         |       |         |       | LEBANON 3 W                                | 4891           | LEBANON      | 15         | 40 20    | 76 22    | 460       | 7A        |                             |       |  | H                                    | LEON M. GAY        |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BOSWELL 1 SW              | 0821      | SOMERSET     | 1        | 40 09    | 79 02     | 1810      |                             |         |       |         |       | LEBANON 3 W                                | 4892           | LEBANON      | 15         | 40 20    | 76 22    | 460       | 7A        |                             |       |  |                                      | C                  | THOMAS DONACHIE       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BRADDOCK LOCK 2           | 0861      | ALLEGHENY    | 10       | 40 24    | 79 52     | 725       | 7A                          |         |       |         |       | LEIGHTON                                   | 4934           | CARBON       | 9          | 40 50    | 75 43    | 900       | 7A        |                             |       |  | C                                    | GOODWIN S. DEFREHN |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BRADDOCK FAA AIRPORT      | 0885      | ALLEGHENY    | 1        | 41 08    | 78 38     | 2121      | N1D                         | M1D     |       |         |       | LE ROY                                     | 4972           | BRADFORD     | 15         | 41 41    | 76 43    | 1040      | 6A        |                             |       |  |                                      | C                  | LEMON N. BAUMAN       |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BRADFORD CENTRAL FIRE STA | 0867      | MC KEAN      | 1        | 41 57    | 78 39     | 1500      | 8A                          |         |       |         |       | LEWIS RUN 3 SE                             | 4984           | MC KEAN      | 1          | 41 50    | 78 29    | 1740      | 7A        |                             |       |  |                                      |                    | C                     | RUSSELL LINEMAN |                |               |                     |                       |                |                    |                      |                      |                    |
| BRADFORD 4 W RES          | 0868      | MC KEAN      | 1        | 41 57    | 78 44     | 1860      | 5P                          | 5P      |       |         |       | LEFFINGTON                                 | 4992           | FULTON       | 12         | 39 56    | 78 00    | 895       | 7A        |                             |       |  |                                      | C                  | AMERICAN VISCOSIS CO. |                 |                |               |                     |                       |                |                    |                      |                      |                    |
| BRADFORD 5 W RES          | 0905      | BEDFORD      | 6        | 40 00    | 78 14     | 1352      | 7A                          |         |       |         |       | LEHIGH HAVEN                               | 5104           | CLINTON      | 16         | 41 08    | 77 37    | 680       | 7A        |                             |       |  |                                      |                    |                       | C               | JOHN P. FREY   |               |                     |                       |                |                    |                      |                      |                    |
| BROOKVILLE FAA AIRPORT    | 1002      | JEFFERSON    | 1        | 41 09    | 79 06     | 1417      | M1D                         | M1D     |       |         |       | LONG HAVEN 2                               | 5109           | CLINTON      | 16         | 41 08    | 77 37    | 680       | 7A        |                             |       |  |                                      |                    |                       | C               | HUGH F. BARKER |               |                     |                       |                |                    |                      |                      |                    |
| BRUCETON 1 S              | 1013      | ALLEGHENY    | 10       | 40 24    | 79 59     | 1064      | 8A                          |         |       |         |       | LONG ROAD 2 W                              | 5160           | MONROE       | 9          | 41 03    | 75 33    | 1830      | 7A        |                             |       |  |                                      |                    |                       |                 | C              | THOMAS MECKES |                     |                       |                |                    |                      |                      |                    |
| BUCKSTOWN 1 SE            | 1073      | SOMERSET     | 4        | 40 04    | 78 50     | 2460      |                             |         |       |         |       | LYNCH                                      | 5275           | FOREST       | 1          | 41 36    | 79 03    | 1295      | 7A        |                             |       |  |                                      |                    |                       |                 |                | C             | CORPS OF ENGINEERS  |                       |                |                    |                      |                      |                    |
| BUFFALO HILLS             | 1087      | BEDFORD      | 6        | 39 57    | 78 39     | 1318      | 8A                          |         |       |         |       | MADEIRA                                    | 5336           | CLEARFIELD   | 16         | 40 53    | 78 44    | 1280      | 7A        |                             |       |  |                                      |                    |                       |                 |                | C             | MRS. JULIA J. SHOFF |                       |                |                    |                      |                      |                    |
| BURGETTS TOWN 2 W         | 1193      | WASHINGTON   | 15       | 40 24    | 80 24     | 980       | 7A                          |         |       |         |       | MANAFAY                                    | 5342           | CLEARFIELD   | 16         | 40 53    | 78 44    | 1280      | 7A        |                             |       |  |                                      |                    |                       |                 |                |               | C                   | MISS ELEANOR J. MILES |                |                    |                      |                      |                    |
| BURNT CABINS 2 NE         | 1115      | HUNTINGDON   | 6        | 40 55    | 77 52     | 990       | 5P                          | 5P      |       |         |       | MAPLE GLEN                                 | 5368           | MONTGOMERY   | 5          | 40 11    | 75 11    | 380       | 8A        |                             |       |  |                                      |                    |                       |                 |                |               | C                   | FRANCES E. SCHNEIDER  |                |                    |                      |                      |                    |
| BUTLER                    | 1130      | BUTLER       | 2        | 40 52    | 79 54     | 1100      | 8A                          |         |       |         |       | HARBOR DEROT                               | 5381           | MONTGOMERY   | 6          | 40 24    | 77 56    | 580       | 8A        |                             |       |  |                                      |                    |                       |                 |                |               | C                   | MRS. I. S. BUCHANAN   |                |                    |                      |                      |                    |
| BUTLER SUBSTATION         | 1135      | BUTLER       | 2        | 40 51    | 79 53     | 1140      |                             |         |       |         |       | HARLOWE                                    | 5390           | DELAWARE     | 6          | 40 56    | 78 17    | 820       | M1D       | M1D                         |       |  |                                      |                    |                       |                 |                |               |                     | C                     | RO. A. NARCKER |                    |                      |                      |                    |
| CAMP HILL                 | 1198      | CUMBERLAND   | 15       | 40 15    | 76 38     | 460       | 6P                          |         |       |         |       | HARTINSVILLE 1 SW                          | 5400           | FOREST       | 1          | 41 27    | 79 09    | 1700      | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       | C              | CORPS OF ENGINEERS |                      |                      |                    |
| CAMP KLINE                | 1203      | LYCOMING     | 16       | 41 16    | 77 20     | 590       | 7A                          |         |       |         |       | HARION CENTER 2 SE                         | 5408           | INDIANA      | 1          | 41 45    | 79 02    | 1610      | 6P        | 7A                          |       |  |                                      |                    |                       |                 |                |               |                     |                       |                | C                  |                      |                      |                    |
| CANTON 1 NW               | 1215      | BRADFORD     | 15       | 41 40    | 76 52     | 1520      | 7A                          |         |       |         |       | HARTISVILLE FA AR                          | 5454           | BLAIR        | 6          | 40 18    | 78 19    | 1463      | M1D       | M1D                         |       |  |                                      |                    |                       |                 |                |               |                     |                       |                | C                  | FED. AVIATION AGENCY |                      |                    |
| CARLISLE                  | 1234      | CUMBERLAND   | 15       | 40 13    | 77 12     | 465       | 6P                          | 6P      |       |         |       | NATAMORAS                                  | 5470           | RIE          | 5          | 41 22    | 74 42    | 439       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                | C                  | HARRY BISLAND        |                      |                    |
| CARROLLTOWN 2 SSE         | 1255      | CAMBRIA      | 16       | 40 35    | 78 42     | 2040      | 8A                          |         |       |         |       | MC CONNELLSBURG                            | 5524           | FULTON       | 12         | 39 56    | 78 00    | 895       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                | C                  | MRS. HELEN M. SHIVES |                      |                    |
| CARTER CAMP 2 E           | 1282      | POTTER       | 18       | 41 37    | 77 45     | 2030      | 7A                          |         |       |         |       | MC KEESPORT                                | 5573           | ALLEGHENY    | 10         | 40 21    | 79 52    | 720       | 8A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | NATIONAL TUBE CO.    |                    |
| CDAR RUN                  | 1301      | LYCOMING     | 16       | 41 31    | 77 27     | 800       | 7A                          |         |       |         |       | MC KESPORT                                 | 5601           | LUZERNE      | 15         | 41 13    | 75 40    | 1995      |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | GEORGE REARAGE       |                    |
| CHAODS FORD               | 1342      | DELAWARE     | 5        | 39 52    | 75 37     | 370       | 7A                          |         |       |         |       | MC KEESPORT                                | 5601           | LUZERNE      | 15         | 41 13    | 75 40    | 1995      |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    |                      |                    |
| CHAMBERSBURG 1 ESE        | 1354      | FRANKLIN     | 12       | 39 56    | 77 16     | 640       | 9P                          | 9P      |       |         |       | MC KEESPORT                                | 5601           | LUZERNE      | 15         | 41 13    | 75 40    | 1995      |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | CITY OF HEADVILLE    |                    |
| CHARLETTON                | 1372      | WASHINGTON   | 10       | 40 08    | 78 55     | 1040      |                             |         |       |         |       | MC KEESPORT                                | 5601           | LUZERNE      | 15         | 41 13    | 75 40    | 1995      |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | MRS. E. M. SINGER    |                    |
| CHARLESLOT LOCK 4         | 1393      | WESTMORELAND | 16       | 40 09    | 78 09     | 1410      | 7A                          |         |       |         |       | MERCER 2 NE                                | 5631           | MERCER       | 2          | 41 05    | 80 10    | 1160      | 7R        | 7A                          |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | MRS. FRANK STRUTHERS |                    |
| CLARENCE                  | 1480      | CENTRE       | 16       | 40 03    | 77 27     | 800       | 7A                          |         |       |         |       | MERCER HIWAY SHED                          | 5654           | MERCER       | 2          | 41 14    | 80 15    | 1250      | 8A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | PA. DEPT. HIGHWAYS   |                    |
| CLARION 3 SW              | 1485      | CLARION      | 1        | 41 12    | 79 26     | 1314      | 6R                          | 7A      |       |         |       | MERCERSBURG                                | 5672           | FRANKLIN     | 12         | 39 49    | 77 34    | 815       | 8A        | 8A                          |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | ARTHUR A. SMITH      |                    |
| CLAUSVILLE                | 1505      | LEHIGH       | 9        | 40 37    | 75 39     | 670       | 8A                          |         |       |         |       | MERCERSBURG                                | 5672           | FRANKLIN     | 12         | 39 49    | 77 34    | 815       | 8A        | 8A                          |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | THEODORE R. BAKER    |                    |
| CLAYSVILLE 3 W            | 1512      | WASHINGTON   | 10       | 40 07    | 78 56     | 1040      | 7A                          |         |       |         |       | MILAN 2 N                                  | 5731           | BRADFORD     | 15         | 41 56    | 76 32    | 810       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    | C                    | CARL MERCY JR.       |                    |
| CLEARFIELD                | 1519      | CLEARFIELD   | 16       | 41 01    | 78 26     | 1100      | 7A                          |         |       |         |       | MILANVILLE                                 | 5738           | WYCHE        | 5          | 41 40    | 75 54    | 760       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | CHARLES W. DAVIS   |
| CLERMONT                  | 1529      | MC KEAN      | 1        | 41 41    | 78 30     | 2104      | 7A                          |         |       |         |       | MILLERSBURG 2 E                            | 5775           | DAUPHIN      | 15         | 40 32    | 76 46    | 840       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | RUSSELL SHELLEY    |
| CLERMONT 4 NW             | 1534      | MC KEAN      | 1        | 41 44    | 78 32     | 1620      | 5P                          | 7A      |       |         |       | MILLSBURG                                  | 5790           | CENTRE       | 15         | 40 53    | 77 29    | 1079      | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | NEVIN E. BOERSNER  |
| COTESVILLE 1 SW           | 1589      | CHESTER      | 9        | 39 58    | 75 50     | 342       | 8A                          |         |       |         |       | MILLSVILLE 2 SW                            | 5817           | COLUMBIA     | 15         | 40 46    | 76 34    | 860       | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | KENNETH LEIGH      |
| CONFLUENCE 1 SW DAM       | 1710      | SOMERSET     | 17       | 39 46    | 78 55     | 1040      | 8A                          |         |       |         |       | MILFILLIN                                  | 5825           | MIFILLIN     | 6          | 40 43    | 77 53    | 770       | 8A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | THOMAS C. HARBESON |
| CONFLUENCE 1 NW           | 1710      | FAYETTE      | 17       | 39 50    | 79 22     | 1331      | 7A                          |         |       |         |       | MONTGOMERY LOCK AND DAM                    | 5902           | BEAVER       | 11         | 40 29    | 75 52    | 1540      | 7A        |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      | C                    | CORPS OF ENGINEERS |
| CONNEAUTVILLE             | 1720      | CRAWFORD     | 18       | 41 45    |           |           |                             |         |       |         |       |  |                |              |            |          |          |           |           |                             |       |  |                                      |                    |                       |                 |                |               |                     |                       |                |                    |                      |                      |                    |



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| STATE COLLEGE          | 8449      | CENTRE       | 18       | 40 48    | 77 52     | 1175      | 7A                          |        |      |         | C        | PA. STATE UNIVERSITY     | WEST GROVE 1 SE       | 9503   | CHESTER     | 5        | 39 48     | 79 48     | 450                         |        |      |         |          | CONARD-PYLE CO.         |  |  |  |
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| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 15       | 41 41    | 75 29     | 1845      |                             |        |      |         | C        | CORPS OF ENGINEERS       | WILTESBURG            | 9658   | ARMSTRONG   | 1        | 40 45     | 79 24     | 1530                        |        |      |         |          | CORPS OF ENGINEERS      |  |  |  |
| STODTOWN               | 8560      | SOMERSET     | 4        | 40 06    | 78 57     | 1800      | 9A                          | 9A     |      |         |          | VERNON MONG              | WILKES-BARRE          | 9702   | LAZERNE     | 15       | 41 35     | 79 52     | 810                         |        |      |         |          | MRS. MARY G. MIRHAM     |  |  |  |
| STRAUSSTOWN            | 8570      | BERKS        | 14       | 40 26    | 76 11     | 600       |                             |        |      |         |          | JACOB KLAHR              | WILLIAMSBURG          | 9714   | BLAIR       | 6        | 40 28     | 78 12     | 860                         |        |      |         |          | MYRON K. BLOOLE         |  |  |  |
| STRONGSTOWN            | 8589      | INDIANA      | 4        | 40 33    | 78 55     | 1880      |                             |        |      |         | C        | HARRY F. BENNETT         | WILLIAMSPORT WB AP    | 9728   | LYCOMING    | 18       | 41 15     | 76 55     | 527                         | M10    |      |         |          | U.S. WEATHER BUREAU     |  |  |  |
| STROUSSBURG            | 8596      | HONDE        | 5        | 40 59    | 75 12     | 480       | 11P                         | 11P    |      |         | C        | WILLIAM MAGERITZ         | WIND GAP              | 9781   | NORTHAMPTON | 5        | 40 51     | 75 18     | 765                         |        |      |         |          | MRS. MARY D. HOELZEL    |  |  |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1        | 41 01    | 78 50     | 1320      | 7A                          |        |      |         | C        | CORPS OF ENGINEERS       | WOLFSBURG             | 9823   | GEORGETOWN  | 6        | 40 03     | 78 32     | 1190                        |        |      |         |          | WALTER C. RICE          |  |  |  |
| SUNBURY                | 8668      | NORTHUMBLAND | 15       | 44 52    | 76 47     | 480       | 7A                          |        |      |         | C        | CHARLES W. BAYLER        | YORK 3 SSW PUMP STA   | 9933   | YORK        | 15       | 39 55     | 76 45     | 390                         | 5P     |      |         |          | YORK WATER COMPANY      |  |  |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15       | 41 57    | 75 36     | 1020      | 7A                          |        |      |         | C        | MRS. LAURA A. BENSON     | YORK 2 S FILTER PLANT | 9936   | YORK        | 15       | 39 56     | 76 44     | 640                         |        |      |         |          | YORK WATER COMPANY      |  |  |  |
| TAMAGUA                | 8758      | SCHUYLKILL   | 14       | 40 48    | 75 58     | 830       |                             |        |      |         | 8A       | MRS. MARY L. ROBERTS     | YORK MAVEN            | 9950   | YORK        | 15       | 40 07     | 76 43     | 310                         |        |      |         |          | METROPOLITAN EDISON CO. |  |  |  |
| TAMAGUA & M DAM        | 8763      | SCHUYLKILL   | 14       | 40 51    | 75 59     | 1120      | 7A                          |        |      |         | C        | PANTHER VALLEY WTR. CO.  | YOUNGVILLE            | 9968   | WARREN      | 1        | 41 51     | 79 19     | 1225                        |        |      |         |          | HENRY CARLETT           |  |  |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16       | 41 24    | 77 51     | 2220      | 7A                          |        |      |         | C        | MRS. FRANCES SWARTZ      | ZION GROVE            | 9990   | SCHUYLKILL  | 15       | 40 54     | 76 13     | 940                         |        |      |         |          | JAMES O. TEETER         |  |  |  |
| TIGONSTA 2 SE DAM      | 8873      | FOREST       | 1        | 41 29    | 79 28     | 1200      | 8A                          | 8A     |      |         | C        | CORPS OF ENGINEERS       | ZIONSVILLE 3 SE       | 9995   | LEHIGH      | 14       | 40 28     | 75 27     | 680                         |        |      |         |          | LESLIE MCWATT           |  |  |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1        | 41 38    | 79 40     | 1550      |                             |        |      |         | C        | PA. ELECTRIC CO.         |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1        | 41 38    | 79 42     | 1220      | 7P                          | 7P     |      |         |          | CITY OF TITUSVILLE       |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TORPEDO 4 W            | 8901      | WARREN       | 1        | 41 47    | 79 32     | 1735      | 7A                          |        |      |         | C        | MRS. LILLY B. GARBER     |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TOWANDA 1 ESE          | 8905      | BRAEFORD     | 15       | 41 45    | 76 25     | 745       | 7P                          | 7A     |      |         | C        | LEVERN ROOT              |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15       | 40 36    | 76 33     | 790       | 7A                          | 7A     |      |         | C        | JOHN HURRY, JR.          |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TROY                   | 8959      | BRAEFORD     | 15       | 41 47    | 76 47     | 1100      | 7A                          |        |      |         | C        | JENNIE L. BALLARD        |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TUNNELTON              | 8989      | INDIANA      | 4        | 40 27    | 79 23     | 890       |                             |        |      |         | C        | MRS. MARY E. WEIMER      |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1        | 41 54    | 78 16     | 1640      | 7A                          |        |      |         | C        | ROBERT O. STRAIT         |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| TYONE & MC BALD EAGLE  | 9024      | BLAIR        | 6        | 40 43    | 78 12     | 1020      | 7A                          |        |      |         | C        | FREDERICK L. FRIQAY      |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1        | 41 55    | 79 48     | 1490      | 7A                          |        |      |         | C        | HAROLD W. HAMMOND        |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| UNIONTOWN              | 9050      | FAYETTE      | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P    |      |         |          | WM. W. MARSTELLER        |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7        | 40 36    | 79 33     | 800       | 7A                          |        |      |         | C        | UNITEO ENG. + FNORTY.CO. |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| VIRGINVILLE            | 9196      | BERKS        | 14       | 40 31    | 75 52     | 350       | 8A                          |        |      |         | 8A       | MRS. MARY M. WRIGHT      |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WARREN                 | 9298      | WARREN       | 1        | 41 51    | 79 08     | 1280      | 7P                          | 7A     |      |         | C        | GILBERT H. REIER         |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WASHINGTON             | 9312      | WASHINGTON   | 11       | 41 11    | 80 14     | 1200      |                             |        |      |         | C        | PA. DEPT. HIGHWAYS       |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16       | 41 05    | 76 52     | 490       |                             |        |      |         | 9P       | WILLIAM BIRD             |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A     |      |         | C        | SAMUEL B. GREENLEE       |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10       | 39 54    | 80 16     | 940       |                             |        |      |         | C        | SEWAGE DISPOSAL PLANT    |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WEBSTER MILLS 3 SW     | 9380      | FULTON       | 12       | 39 49    | 78 05     | 920       |                             |        |      |         | C        | WILLIAM O. COVER         |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16       | 41 43    | 77 16     | 1920      | 7A                          | 7A     |      |         | C        | MARION L. SHUMWAY        |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |
| WEST CHESTER           | 9404      | CHESTER      | 5        | 39 58    | 75 36     | 440       | 8A                          | 8A     |      |         | C        | DAILY LOCAL NEWS         |                       |        |             |          |           |           |                             |        |      |         |          |                         |  |  |  |

1-ALLEGHENY; 2-BEAVER; 3-; 4-CONEMAUGH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OMIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHIOPENY

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

51.05  
NP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

OCTOBER 1961  
Volume 66 No. 10



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PENNSYLVANIA - OCTOBER 1961  
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 87° on the 8th at Greenville

Lowest Temperature: 19° on the 28th at Stroudsburg and on the 23rd at  
Coudersport 3 NW

Greatest Total Precipitation: 4.06 inches at Glen Hazel 2 NE Dam

Least Total Precipitation: 0.59 inch at Palmerton

Greatest One-Day Precipitation: 1.30 inches on the 26+ at 2 stations

Greatest Reported Total Snowfall: Trace at 28 stations

Greatest Reported Depth of Snow on Ground: Trace on the 16+ at 6  
stations

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
OCTOBER 1961

| Station                 | Temperature     |                 |         |                                |         |        |        |      |             |              |              |              | Precipitation |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
|-------------------------|-----------------|-----------------|---------|--------------------------------|---------|--------|--------|------|-------------|--------------|--------------|--------------|---------------|--------------|--------|--------------------------------|--------------|------|-------------|--------------------------------|--------------|------|-------------|----------------------|------|------------|------------|--------------|
|                         | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date   | Lowest | Date | Degree Days | No. of Days  |              |              |               |              | Total  | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                                |              |      | No. of Days |                      |      |            |            |              |
|                         |                 |                 |         |                                |         |        |        |      |             | 90° or Above |              |              |               |              |        |                                |              |      | Total       | Departure From Long Term Means | Greatest Day | Date | Total       | Max. Depth on Ground | Date | 30 or More | 20 or More | 1.00 or More |
|                         |                 |                 |         |                                |         |        |        |      |             | 90° or Above | 32° or Below | 32° or Below | 32° or Below  | 32° or Below |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| POCONO MOUNTAINS        |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| FREELANO                | 66.4            | 45.9            | 56.2    | 5.0                            | 78 18   | 33 16  | 271    | 0    | 0           | 0            | 0            | 0            | 0             | 1.19         | - 2.26 | .47                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          |            |              |
| HAWLEY                  | 68.1            | 36.8            | 52.5    |                                | 81 14   | 21 29+ | 383    | 0    | 0           | 11           | 0            | 0            | 0             | 1.59         | - 2.22 | .52                            | 4            |      | .0          | 0                              |              |      | 16+         | 4                    | 1    | 0          | 0          |              |
| PLEASANT MOUNT 1 W      | 62.4            | 36.9            | 49.7    |                                | 77 12   | 22 28  | 470    | 0    | 0           | 12           | 0            | 0            | 0             | 1.41         | - 2.22 | .46                            | 15           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| SCRANTON                | 67.8            | 41.3            | 54.6    |                                | 82 12   | 26 29+ | 317    | 0    | 0           | 6            | 0            | 0            | 0             | 1.58         | - 1.80 | .49                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| SCRANTON WB AIRPORT     | 64.6            | 41.1            | 52.9    | .7                             | 79 10   | 25 28  | 370    | 0    | 0           | 6            | 0            | 0            | 0             | 1.58         | - 1.80 | .49                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| STROUOSBURG             | 67.0            | 38.6            | 52.8    | - .2                           | 80 10+  | 19 28  | 374    | 0    | 0           | 8            | 0            | 0            | 0             | .95          | - 2.57 | .32                            | 3            |      | T           | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| DIVISION                |                 |                 | 53.1    | 2.1                            |         |        |        |      |             |              |              |              |               | 1.34         | - 2.23 |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| EAST CENTRAL MOUNTAINS  |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| ALLENTOWN WB AP         | 68.3            | 42.6            | 55.5    | 2.3                            | 81 13   | 27 28  | 293    | 0    | 0           | 4            | 0            | 0            | 0             | .80          | - 2.17 | .38                            | 14           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| ALLENTOWN GAS CO        | 68.7            | 42.6            | 55.7    | 1.1                            | 82 14+  | 29 28  | 288    | 0    | 0           | 5            | 0            | 0            | 0             | 1.04         | - 2.06 | .43                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| BETHLEHEM LEHIGH UNIV   | 64.6            | 49.9            | 57.3    | .8                             | 78 30   | 35 28  | 244    | 0    | 0           | 0            | 0            | 0            | 0             | 1.15         | - 1.85 | .45                            | 14           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| PALMERTON               | 67.2            | 41.0            | 54.1    | 1.1                            | 79 13+  | 27 28  | 332    | 0    | 0           | 7            | 0            | 0            | 0             | .59          | - 2.61 | .29                            | 14           |      | .0          | 0                              |              |      |             | 2                    | 0    | 0          | 0          |              |
| PORT CLINTON            | 68.1            | 35.6            | 51.9    | - 1.2                          | 82 10+  | 23 28  | 402    | 0    | 0           | 10           | 0            | 0            | 0             | 1.11         | - 2.52 | .41                            | 15           |      | .0          | 0                              |              |      |             | 5                    | 0    | 0          | 0          |              |
| DIVISION                |                 |                 | 54.9    | 1.6                            |         |        |        |      |             |              |              |              |               | .94          | - 2.43 |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| SOUTHEASTERN PIEDMONT   |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| COATESVILLE 1 SW        | 68.9            | 41.9            | 55.4    | .5                             | 82 10   | 28 29+ | 290    | 0    | 0           | 6            | 0            | 0            | 0             | 1.84         | - 1.33 | .80                            | 22           |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| DEVAULT 1 W             | 69.2            | 41.7            | 55.5    |                                | 80 13+  | 32 28+ | 293    | 0    | 0           | 2            | 0            | 0            | 0             | 2.07         | - 1.33 | .81                            | 21           |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| EPHRATA                 | 67.8            | 45.1            | 56.5    | -.6                            | 80 13   | 30 28  | 259    | 0    | 0           | 1            | 0            | 0            | 0             | 1.53         | - 1.77 | .56                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| GEORGE SCHOOL           | 67.4            | 43.2            | 55.3    | -.6                            | 78 12+  | 31 28  | 298    | 0    | 0           | 2            | 0            | 0            | 0             | 1.98         | - 1.24 | .59                            | 3            |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| GRATERFORD 1 E          | 67.3            | 40.2            | 53.8    |                                | 80 11+  | 27 28  | 343    | 0    | 0           | 8            | 0            | 0            | 0             | 1.58         | - 1.24 | .57                            | 22           |      | .0          | 0                              |              |      |             | 4                    | 1    | 0          | 0          |              |
| HOLTWOOD                | 68.5            | 47.7            | 58.1    | .5                             | 79 18+  | 30 27  | 214    | 0    | 0           | 1            | 0            | 0            | 0             | 2.14         | - .52  | 1.13                           | 22           |      | .0          | 0                              |              |      |             | 3                    | 2    | 1          | 0          |              |
| LANCASTER 2NE PUMP STA  | 69.5            | 40.1            | 54.8    | .8                             | 80 13+  | 26 28  | 308    | 0    | 0           | 7            | 0            | 0            | 0             | 1.48         | - 1.79 | .50                            | 14           |      | .0          | 0                              |              |      |             | 5                    | 1    | 0          | 0          |              |
| LANDISVILLE 2 NW        | 67.8            | 40.8            | 54.3    |                                | 81 14   | 25 28  | 324    | 0    | 0           | 7            | 0            | 0            | 0             | .89          | - 1.79 | .37                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| LEBANON 3 W             | 67.5            | 44.7            | 56.1    | 1.2                            | 80 11   | 31 28  | 272    | 0    | 0           | 1            | 0            | 0            | 0             | .75          | - 2.88 | .27                            | 4            |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| MARCUS HOOK             | 69.0            | 50.6            | 59.8    | -.3                            | 81 9    | 39 28  | 191    | 0    | 0           | 0            | 0            | 0            | 0             | 2.12         | - .60  | .74                            | 21           |      | T           | 0                              |              |      |             | 5                    | 2    | 0          | 0          |              |
| MORGANTOWN              | 67.9            | 42.8            | 55.4    |                                | 82 11   | 29 28  | 295    | 0    | 0           | 3            | 0            | 0            | 0             | 2.20         | - .52  | 1.16                           | 21           |      | .0          | 0                              |              |      |             | 4                    | 2    | 1          | 0          |              |
| MT GREINA 2 SE          | 68.6            | 41.7            | 55.2    |                                | 80 13   | 27 28  | 300    | 0    | 0           | 6            | 0            | 0            | 0             | 1.26         | - .52  | .47                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| NORRISTOWN              | 70.2            | 46.0            | 58.1    |                                | 82 10   | 32 28  | 220    | 0    | 0           | 1            | 0            | 0            | 0             | 1.66         | - .52  | .60                            | 15           |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| PHIL DREXEL INST OF TEC | 67.9            | 50.0            | 59.0    |                                | 81 10+  | 39 24  | 210    | 0    | 0           | 0            | 0            | 0            | 0             | 2.27         | - .52  | .81                            | 21           |      | .0          | 0                              |              |      |             | 4                    | 3    | 0          | 0          |              |
| PHILADELPHIA WB AP      | 67.1            | 44.2            | 55.7    | -.9                            | 79 10+  | 30 28  | 288    | 0    | 0           | 2            | 0            | 0            | 0             | 1.83         | - .77  | .54                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 1    | 0          | 0          |              |
| PHILADELPHIA PT BREEZE  | 68.8            | 51.3            | 60.1    | .9                             | 82 11+  | 40 28  | 193    | 0    | 0           | 0            | 0            | 0            | 0             | 1.98         | - .75  | .63                            | 3            |      | .0          | 0                              |              |      |             | 4                    | 3    | 0          | 0          |              |
| QUAKERTOWN 1 E          | 69.9            | 42.1            | 56.0    | 3.0                            | 82 13+  | 27 24  | 276    | 0    | 0           | 4            | 0            | 0            | 0             | 1.46         | - 2.06 | .57                            | 22           |      | .0          | 0                              |              |      |             | 4                    | 2    | 0          | 0          |              |
| READING WB CITY         | 69.5            | 47.6            | 58.6    | 2.5                            | 82 9    | 34 28  | 209    | 0    | 0           | 0            | 0            | 0            | 0             | 1.61         | - 1.14 | .73                            | 21           |      | .0          | 0                              |              |      |             | 3                    | 2    | 0          | 0          |              |
| WEST CHESTER            | 69.5            | 44.2            | 56.9    | .4                             | 82 12+  | 29 29  | 257    | 0    | 0           | 2            | 0            | 0            | 0             | 1.60         | - 1.54 | .58                            | 22           |      | .0          | 0                              |              |      |             | 5                    | 1    | 0          | 0          |              |
| DIVISION                |                 |                 | 56.6    | .3                             |         |        |        |      |             |              |              |              |               | 1.70         | - 1.46 |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| LOWER SUSQUEHANNA       |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| ARENOTSVILLE            | 68.5            | 41.5            | 55.0    | .4                             | 82 14   | 29 28  | 305    | 0    | 0           | 2            | 0            | 0            | 0             | 1.30         | - 2.29 | .46                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| BLOSERVILLE 1 N         | 68.2            | 44.6            | 56.4    |                                | 81 14+  | 30 28  | 267    | 0    | 0           | 1            | 0            | 0            | 0             | 1.01         | - 2.64 | .35                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| CARLISLE                | 70.7            | 45.0            | 57.9    | 2.4                            | 83 13+  | 30 28  | 222    | 0    | 0           | 2            | 0            | 0            | 0             | 1.18         | - 2.25 | .45                            | 4            |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| CHAMBERSBURG 1 ESE      | 70.4            | 41.1            | 55.8    | .9                             | 81 13+  | 25 28  | 281    | 0    | 0           | 4            | 0            | 0            | 0             | 1.00         | - 2.26 | .34                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| GETTYSBURG              | 68.7            | 43.9            | 56.3    | .0                             | 82 11   | 29 28  | 267    | 0    | 0           | 2            | 0            | 0            | 0             | 1.27         | - 2.03 | .48                            | 15           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| HANOVER                 | 69.5            | 44.4            | 57.0    | .7                             | 84 7    | 31 28  | 248    | 0    | 0           | 2            | 0            | 0            | 0             | 1.45         | - 1.92 | .50                            | 15           |      | .0          | 0                              |              |      |             | 4                    | 1    | 0          | 0          |              |
| HARRISBURG WB AP        | 70.0            | 44.3            | 57.2    | 2.0                            | 82 13   | 30 28  | 244    | 0    | 0           | 2            | 0            | 0            | 0             | .92          | - 2.15 | .44                            | 14           |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| MERCERSBURG             | 69.8            | 41.8            | 55.8    |                                | 83 14   | 25 28  | 280    | 0    | 0           | 4            | 0            | 0            | 0             | .96          | - 2.45 | .43                            | 4            |      | .0          | 0                              |              |      |             | 3                    | 0    | 0          | 0          |              |
| SHIPPENSBURG            | 71.5            | 43.7            | 57.6    |                                | 82 13+  | 29 28  | 229    | 0    | 0           | 3            | 0            | 0            | 0             | 1.30         | - 1.95 | .40                            | 4            |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| YORK 3 SSW PUMP STA     | 72.8            | 42.3            | 57.6    | 1.8                            | 84 13   | 28 28  | 227    | 0    | 0           | 5            | 0            | 0            | 0             | 1.56         | - 1.95 | .36                            | 21           |      | .0          | 0                              |              |      |             | 6                    | 0    | 0          | 0          |              |
| DIVISION                |                 |                 | 56.7    | 1.2                            |         |        |        |      |             |              |              |              |               | 1.20         | - 2.16 |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| MIDDLE SUSQUEHANNA      |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| BERWICK                 | 70.8            | 41.5            | 56.2    |                                | 81 11   | 28 28+ | 267    | 0    | 0           | 6            | 0            | 0            | 0             | 1.37         | - 2.29 | .56                            | 14           |      | .0          | 0                              |              |      |             | 4                    | 1    | 0          | 0          |              |
| ENGLISH CENTER          | 66.2M           | 35.1M           | 50.7M   |                                | 78 11   | 24 24  | 453    | 0    | 0           | 13           | 0            | 0            | 0             | 1.53         | - 2.29 | .55                            | 4            |      | .0          | 0                              |              |      |             | 4                    | 1    | 0          | 0          |              |
| LEWISTOWN               | 69.7            | 42.0            | 55.9    |                                | 82 14   | 32 29+ | 277    | 0    | 0           | 2            | 0            | 0            | 0             | 1.64         | - 2.29 | .74                            | 4            |      | .0          | 0                              |              |      |             | 5                    | 1    | 0          | 0          |              |
| MILLVILLE 2 SW          | 65.7            | 38.0            | 51.9    |                                | 78 8    | 26 29+ | 400    | 0    | 0           | 9            | 0            | 0            | 0             | 1.48         | - 2.05 | .46                            | 4            |      | .0          | 0                              |              |      |             | 6                    | 0    | 0          | 0          |              |
| NEWPORT                 | 68.1            | 41.0            | 54.6    |                                | 82 14   | 30 28  | 315    | 0    | 0           | 2            | 0            | 0            | 0             | 1.48         | - 2.05 | .75                            | 15           |      | .0          | 0                              |              |      |             | 3                    | 1    | 0          | 0          |              |
| SUNBURY                 | 68.5            | 39.3            | 53.9    |                                | 81 11   | 28 28  | 336    | 0    | 0           | 8            | 0            | 0            | 0             | .99          | - 2.30 | .27                            | 15           |      | .0          | 0                              |              |      |             | 4                    | 0    | 0          | 0          |              |
| WILLIAMSPORT WB AP      | 66.7            | 43.0            | 54.9    | 1.9                            | 80 10   | 30 28  | 308    | 0    | 0           | 2            | 0            | 0            | 0             | 1.86         | - 1.51 | .69                            | 3            |      | .0          | 0                              |              |      |             | 5                    | 1    | 0          | 0          |              |
| DIVISION                |                 |                 | 54.0    | .3                             |         |        |        |      |             |              |              |              |               | 1.48         | - 1.80 |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| UPPER SUSQUEHANNA       |                 |                 |         |                                |         |        |        |      |             |              |              |              |               |              |        |                                |              |      |             |                                |              |      |             |                      |      |            |            |              |
| AUSTINBURG 2 W          | 65.8            | 38.9            | 52.4    |                                | 79 14+  | 23 23  | 381    | 0    | 0           | 6            | 0            | 0            | 0             | 1.78         | - 1.92 | .56                            | 3            |      | .0          | 0                              |              |      |             |                      |      |            |            |              |

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
OCTOBER 1961

CONTINUED

| Station                 | Temperature     |                 |         |                                |         |              |              |        |              |             |             | Precipitation |                      |      |            |       |                                |              |      |             |              |      |             |       |                      |
|-------------------------|-----------------|-----------------|---------|--------------------------------|---------|--------------|--------------|--------|--------------|-------------|-------------|---------------|----------------------|------|------------|-------|--------------------------------|--------------|------|-------------|--------------|------|-------------|-------|----------------------|
|                         | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date         |              | Lowest | Date         |             | Degree Days | No. of Days   |                      |      |            | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |              |      | No. of Days |       |                      |
|                         |                 |                 |         |                                |         | 90° or Above | 37° or Below |        | 32° or Below | 0° or Below |             | Total         | Max. Depth on Ground | Date | 10 or More |       |                                |              |      | 50 or More  | 1.00 or More |      |             |       |                      |
|                         |                 |                 |         |                                |         |              |              |        |              |             |             |               |                      |      |            |       |                                |              |      |             |              | Max. | Min.        | Total | Max. Depth on Ground |
| OU BOIS 7 E             | 66.7            | 40.1            | 53.4    |                                | 79      | 7            | 28           | 28+    | 351          | 0           | 0           | 6             | 0                    | 2.56 |            | .60   | 14                             | .0           | 0    |             | 5            | 3    | 0           |       |                      |
| EMPORIUM 1 N            | 62.5            | 36.5            | 49.5    |                                | 77      | 13           | 23           | 24+    | 473          | 0           | 0           | 10            | 0                    | 2.69 |            | .50   | 14                             | .0           | 0    |             | 7            | 1    | 0           |       |                      |
| LOCK HAVEN              | 66.8            | 39.6            | 53.2    | -.5                            | 80      | 19           | 30           | 25+    | 355          | 0           | 0           | 7             | 0                    | 1.61 | -1.60      | .71   | 4                              | .0           | 0    |             | 4            | 1    | 0           |       |                      |
| MAERA                   | 62.3            | 35.9            | 49.1    |                                | 75      | 14+          | 25           | 24     | 484          | 0           | 0           | 11            | 0                    | 2.23 |            | .66   | 4                              | .0           | 0    |             | 6            | 1    | 0           |       |                      |
| PHILIPSBURG FAA AP      | 62.8            | 37.8            | 50.3    |                                | 75      | 12           | 24           | 23     | 447          | 0           | 0           | 7             | 0                    | 1.98 |            | .75   | 3                              | .0           | 0    |             | 5            | 1    | 0           |       |                      |
| RENOVO                  | 68.4            | 40.3            | 54.4    |                                | 82      | 13           | 30           | 25     | 329          | 0           | 0           | 4             | 0                    | 1.86 | -1.22      | .47   | 4                              | .0           | 0    |             | 6            | 0    | 0           |       |                      |
| RIOGWAY 3 W             | 66.2            | 38.3            | 52.3    | 3.1                            | 79      | 12           | 25           | 23     | 388          | 0           | 0           | 7             | 0                    | 2.88 | -.19       | .66   | 26                             | .0           | 0    |             | 7            | 4    | 0           |       |                      |
| STATE COLLEGE           | 65.3            | 42.6            | 54.0    | 1.2                            | 78      | 11           | 31           | 28     | 334          | 0           | 0           | 2             | 0                    | 1.72 | -1.19      | .84   | 4                              | .0           | 0    |             | 5            | 1    | 0           |       |                      |
| DIVISION                |                 |                 | 52.2    | 1.1                            |         |              |              |        |              |             |             |               |                      | 2.13 | -.96       |       |                                |              | .0   |             |              |      |             |       |                      |
| SOUTH CENTRAL MOUNTAINS |                 |                 |         |                                |         |              |              |        |              |             |             |               |                      |      |            |       |                                |              |      |             |              |      |             |       |                      |
| ALTOONA HORSESHOE CURVE | 67.1            | 42.5            | 54.8    | -1.9                           | 80      | 13           | 28           | 28     | 309          | 0           | 0           | 3             | 0                    | 1.91 | -1.31      | .72   | 3                              | .0           | 0    |             | 4            | 1    | 0           |       |                      |
| EBENSBURG               | 63.6            | 38.5            | 51.1    | -.2                            | 76      | 12           | 26           | 28     | 425          | 0           | 0           | 5             | 0                    | 2.46 | -.62       | .62   | 14                             | .0           | 0    |             | 7            | 1    | 0           |       |                      |
| EVERETT 1 SW            | 67.1            | 39.1            | 53.1    |                                | 79      | 12+          | 25           | 28     | 359          | 0           | 0           | 6             | 0                    | 1.05 |            | .26   | 30                             | .0           | 0    |             | 5            | 0    | 0           |       |                      |
| HUNTINGOON              | 68.0            | 39.2M           | 53.6M   | +.1                            | 80      | 14           | 31           | 25+    | 340          | 0           | 0           | 8             | 0                    | 1.06 | -1.75      | .63   | 4                              | .0           | 0    |             | 3            | 1    | 0           |       |                      |
| JOHNSTOWN               | 60.6            | 41.6            | 51.1    | -3.5                           | 75      | 1            | 31           | 28     | 422          | 0           | 0           | 2             | 0                    | 1.92 | -1.00      | .57   | 15                             | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| KEGG                    | 69.0            | 39.5            | 54.3    |                                | 83      | 12           | 25           | 28     | 325          | 0           | 0           | 4             | 0                    | 1.28 |            | .76   | 3                              | .0           | 0    |             | 4            | 1    | 0           |       |                      |
| MARTINSBURG FAA AP      | 67.6            | 44.0            | 55.8    |                                | 84      | 1            | 31           | 28     | 280          | 0           | 0           | 2             | 0                    | 1.59 |            | .96   | 3                              | .0           | 0    |             | 4            | 1    | 0           |       |                      |
| DIVISION                |                 |                 | 53.4    | +.4                            |         |              |              |        |              |             |             |               |                      | 1.61 | -1.36      |       |                                |              | .0   |             |              |      |             |       |                      |
| SOUTHWEST PLATEAU       |                 |                 |         |                                |         |              |              |        |              |             |             |               |                      |      |            |       |                                |              |      |             |              |      |             |       |                      |
| BAKERSTOWN 3 WNW        | 69.0            | 43.8            | 56.4    |                                | 81      | 14           | 33           | 17+    | 265          | 0           | 0           | 0             | 0                    | 2.99 |            | .71   | 2                              | .0           | 0    |             | 5            | 2    | 0           |       |                      |
| BLAIRSVILLE 6 ENE       | 63.4            | 45.1            | 54.3    |                                | 77      | 12           | 32           | 15+    | 326          | 0           | 0           | 2             | 0                    | 3.51 |            | 1.20  | 14                             | T            | 0    |             | 6            | 3    | 1           |       |                      |
| BURGETTSTOWN 2 W        | 66.9            | 37.3            | 52.1    |                                | 81      | 1            | 27           | 28     | 392          | 0           | 0           | 8             | 0                    | 2.35 |            | .71   | 2                              | .0           | 0    |             | 7            | 2    | 0           |       |                      |
| BUTLER                  | 68.0M           | 38.0M           | 53.0M   | +.6                            | 82      | 13+          | 28           | 23     | 370          | 0           | 0           | 0             | 0                    | 2.46 | -.59       | .50   | 31                             | .0           | 0    |             | 7            | 1    | 0           |       |                      |
| CLAYSVILLE 3 W          | 69.2            | 39.0            | 54.1    | +.6                            | 82      | 12           | 28           | 28+    | 332          | 0           | 0           | 6             | 0                    | 3.38 | .81        | .72   | 14                             | .0           | 0    |             | 9            | 2    | 0           |       |                      |
| CONFLUENCE 1 SW OAM     | 66.7            | 39.9            | 53.3    |                                | 83      | 1            | 28           | 28     | 354          | 0           | 0           | 3             | 0                    | 2.34 |            | .74   | 4                              | .0           | 0    |             | 7            | 2    | 0           |       |                      |
| DONEGAL                 | 66.7            | 39.0            | 52.9    |                                | 79      | 13+          | 26           | 28     | 368          | 0           | 0           | 4             | 0                    | 3.21 |            | .86   | 3                              | T            | 0    |             | 6            | 3    | 0           |       |                      |
| OONORA                  | 70.7            | 38.6            | 54.7    | -2.5                           | 80      | 13+          | 27           | 28     | 317          | 0           | 0           | 7             | 0                    | 3.32 | .70        | 1.20  | 14                             | .0           | 0    |             | 6            | 2    | 1           |       |                      |
| FORO CITY 4 S DAM       | 67.7            | 38.5            | 53.1    |                                | 81      | 1            | 30           | 24+    | 360          | 0           | 0           | 8             | 0                    | 3.12 |            | .87   | 14                             | .0           | 0    |             | 6            | 2    | 0           |       |                      |
| INDIANA 3 SE            | 68.0            | 39.5            | 53.8    |                                | 81      | 12           | 28           | 28     | 343          | 0           | 0           | 6             | 0                    | 3.05 |            | 1.03  | 14                             | .0           | 0    |             | 6            | 2    | 1           |       |                      |
| MARION CENTER 2 SE      | 64.5            | 43.0            | 53.8    |                                | 77      | 13+          | 31           | 28+    | 345          | 0           | 0           | 3             | 0                    | 3.14 |            | .94   | 14                             | T            | 0    |             | 7            | 3    | 0           |       |                      |
| NEW CASTLE 1 N          | 70.7            | 42.6            | 56.7    | 2.9                            | 84      | 12           | 30           | 28+    | 263          | 0           | 0           | 2             | 0                    | 2.96 | .14        | .51   | 27+                            | .0           | 0    |             | 7            | 2    | 1           |       |                      |
| NEWELL                  | 70.7            | 44.2            | 57.5    |                                | 86      | 1            | 33           | 28     | 244          | 0           | 0           | 0             | 0                    | 3.41 |            | 1.10  | 14                             | .0           | 0    |             | 6            | 3    | 1           |       |                      |
| NEW STANTON             | 70.3            | 40.4            | 55.4    |                                | 84      | 1            | 27           | 28     | 293          | 0           | 0           | 6             | 0                    | 3.26 |            | .90   | 3                              | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| PITTSBURGH WB AP 2 //R  | 66.6            | 43.9            | 55.3    | 2.3                            | 80      | 13+          | 34           | 28+    | 302          | 0           | 0           | 0             | 0                    | 2.58 |            | .58   | 2                              | T            | 0    |             | 7            | 1    | 0           |       |                      |
| PITTSBURGH WB CITY R    | 68.2            | 47.8            | 58.0    | 2.1                            | 81      | 13           | 39           | 28+    | 226          | 0           | 0           | 0             | 0                    | 2.55 | .06        | .62   | 13+                            | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| PUTNEYVILLE 2 SE OAM    | 66.4            | 35.7            | 51.1    |                                | 80      | 13+          | 24           | 4      | 424          | 0           | 0           | 10            | 0                    | 3.07 |            | 1.07  | 14                             | .0           | 0    |             | 5            | 3    | 1           |       |                      |
| SALINA 3 W              | 68.0            | 42.2            | 55.1    |                                | 79      | 19+          | 30           | 23+    | 303          | 0           | 0           | 3             | 0                    | 3.07 |            | 1.07  | 14                             | .0           | 0    |             | 5            | 3    | 1           |       |                      |
| SLIPPERY ROCK           | 68.6            | 45.2            | 56.9    |                                | 84      | 12           | 33           | 28     | 257          | 0           | 0           | 0             | 0                    | 2.24 |            | .75   | 14                             | T            | 0    |             | 7            | 1    | 0           |       |                      |
| STOYSTOWN               | 64.6            | 39.5            | 52.1    |                                | 78      | 13+          | 28           | 28+    | 395          | 0           | 0           | 6             | 0                    | 2.35 |            | .74   | 14                             | T            | 0    |             | 6            | 2    | 0           |       |                      |
| UNIONTOWN               | 67.4            | 42.8            | 55.1    | -1.0                           | 79      | 13+          | 31           | 28     | 302          | 0           | 0           | 2             | 0                    | 3.37 | .39        | 1.03  | 3                              | .0           | 0    |             | 5            | 3    | 2           |       |                      |
| WAYNESBURG 2 W          | 69.4            | 38.5            | 54.0    | -.3                            | 80      | 13+          | 27           | 28     | 336          | 0           | 0           | 6             | 0                    | 3.72 | 1.04       | 1.30  | 14                             | .0           | 0    |             | 7            | 2    | 1           |       |                      |
| DIVISION                |                 |                 | 54.5    | +.8                            |         |              |              |        |              |             |             |               |                      | 2.97 | .09        |       |                                |              | T    |             |              |      |             |       |                      |
| NORTHWEST PLATEAU       |                 |                 |         |                                |         |              |              |        |              |             |             |               |                      |      |            |       |                                |              |      |             |              |      |             |       |                      |
| BRAEFORD FAA AIRPORT    | 61.4            | 39.5            | 50.5    |                                | 76      | 12           | 26           | 23     | 444          | 0           | 0           | 8             | 0                    | 2.76 |            | .72   | 2                              | T            | T    | 16          | 8            | 2    | 0           |       |                      |
| BRAEFORD 4 W RES        | 64.7            | 36.7            | 50.7    |                                | 76      | 12           | 22           | 23     | 436          | 0           | 0           | 9             | 0                    | 3.15 |            | .70   | 2                              | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| BROOKVILLE FAA AIRPORT  | 64.7            | 38.7            | 51.7    |                                | 79      | 12           | 27           | 23     | 403          | 0           | 0           | 7             | 0                    | 3.26 |            | .73   | 13                             | .0           | 0    |             | 8            | 3    | 0           |       |                      |
| CLARION 3 W             | 60.5            | 36.1            | 48.3    |                                | 74      | 12           | 26           | 28+    | 511          | 0           | 0           | 10            | 0                    | 2.56 |            | .73   | 14                             | .0           | 0    |             | 7            | 1    | 0           |       |                      |
| CLERMONT 4 NW           | 62.5            | 38.3            | 50.4    |                                | 74      | 13+          | 20           | 23     | 451          | 0           | 0           | 7             | 0                    | 2.32 |            | .65   | 14                             | .0           | 0    |             | 7            | 2    | 0           |       |                      |
| CONNEAUTVILLE           | 65.7            | 40.4            | 53.1    |                                | 80      | 12+          | 29           | 23+    | 367          | 0           | 0           | 5             | 0                    | 3.13 |            | .67   | 14                             | .0           | 0    |             | 8            | 3    | 0           |       |                      |
| CORRY                   | 65.7            | 41.5            | 53.6    | 2.6                            | 79      | 12           | 26           | 4      | 350          | 0           | 0           | 4             | 0                    | 3.69 | .14        | .70   | 27                             | T            | 0    |             | 9            | 3    | 0           |       |                      |
| COUDERSPORT 3 NW        | 62.5            | 35.3M           | 48.9M   |                                | 76      | 12           | 19           | 23     | 494          | 0           | 0           | 10            | 0                    | 2.34 |            | .63   | 14                             | .0           | 0    |             | 6            | 2    | 0           |       |                      |
| EAST BRADY              | 72.2            | 42.7            | 57.5    |                                | 85      | 12           | 32           | 4      | 231          | 0           | 0           | 1             | 0                    | 2.33 |            | .59   | 2                              | .0           | 0    |             | 5            | 1    | 0           |       |                      |
| ERIE WB AIRPORT         | 64.5            | 47.9            | 56.2    | 3.9                            | 80      | 13           | 37           | 28     | 276          | 0           | 0           | 0             | 0                    | 2.56 | -.45       | .93   | 26                             | T            | 0    |             | 6            | 1    | 0           |       |                      |
| FARRELL SHARON          | 68.8            | 46.9            | 57.9    | 2.9                            | 85      | 12+          | 36           | 17     | 231          | 0           | 0           | 0             | 0                    | 2.65 | +.11       | .87   | 30                             | .0           | 0    |             | 6            | 2    | 0           |       |                      |
| FRANKLIN                | 68.8            | 42.7            | 55.8    | 4.1                            | 82      | 12           | 30           | 23     | 287          | 0           | 0           | 3             | 0                    | 2.37 | +.69       | .75   | 14                             | .0           | 0    |             | 6            | 2    | 0           |       |                      |
| GREENVILLE              | 70.2            | 42.9            | 56.6    | 4.0                            | 87      | 8            | 30           | 28     | 265          | 0           | 0           | 3             | 0                    | 3.49 | +.24       | .61   | 2                              | .0           | 0    |             | 8            | 4    | 0           |       |                      |
| JAMESTOWN 2 NW          | 66.5            | 39.7            | 53.1    |                                | 81      | 13+          | 30           | 28+    | 362          | 0           | 0           | 3             | 0                    | 2.94 | +.01       | .76   | 2                              | .0           | 0    |             | 7            | 3    | 0           |       |                      |
| KANE 1 NNE              | 63.1            | 33.5            | 48.3    |                                | 77      | 13           | 22           | 24+    | 511          | 0           | 0           | 12            | 0                    | 3.00 |            | .72   | 14                             | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| MEADVILLE 1 S           | 65.9            | 40.5            | 53.2    | 1.7                            | 80      | 13+          | 31           | 28+    | 359          | 0           | 0           | 3             | 0                    | 3.26 | +.03       | .72   | 2                              | T            | 0    |             | 8            | 3    | 0           |       |                      |
| MERCER 2 NNE            | 67.6M           | 38.6M           | 53.1M   |                                | 82      | 12           | 25           | 19     | 354          | 0           | 0           | 5             | 0                    | 3.54 |            | .95   | 31                             | .0           | 0    |             | 8            | 4    | 0           |       |                      |
| TIONESTA 2 SE OAM       | 65.9            | 39.3            | 52.6    |                                | 80      | 13           | 31           | 24+    | 377          | 0           | 0           | 8             | 0                    | 2.34 |            | .55   | 14                             | .0           | 0    |             | 8            | 2    | 0           |       |                      |
| TITUSVILLE WATER WORKS  | 63.9            | 36.5            | 50.2    |                                | 78      | 12           | 22           | 23     | 453          | 0           | 0           | 10            | 0                    | 3.14 |            | .65   | 2                              | .0           | 0    |             | 9            | 2    | 0           |       |                      |
| WARREN                  | 65.8            | 42.5            | 54.2    | 2.0                            | 80      | 12           | 28           | 23+    | 334          | 0           | 0           | 4             | 0                    | 3.03 | +.46       | .58   | 27+                            | .0           | 0    |             | 9            | 2    | 0           |       |                      |
| DIVISION                |                 |                 | 52.8    | 1.2                            |         |              |              |        |              |             |             |               |                      | 2.89 | +.32       |       |                                |              | T    |             |              |      |             |       |                      |

See Reference Notes Following Station Index







# DAILY PRECIPITATION

Continued

PENNSYLVANIA  
OCTOBER 1961

| Station            | Total | Day of Month |   |     |     |   |   |   |   |   |    |    |    |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |    |    |     |     |
|--------------------|-------|--------------|---|-----|-----|---|---|---|---|---|----|----|----|-----|-----|-----|----|----|----|----|----|-----|-----|----|----|----|-----|-----|-----|----|----|-----|-----|
|                    |       | 1            | 2 | 3   | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13  | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21  | 22  | 23 | 24 | 25 | 26  | 27  | 28  | 29 | 30 | 31  |     |
| WILLIAMSPORT WB AP | 1.86  | T            |   | .69 | .02 |   |   |   |   |   |    |    |    |     |     |     |    |    |    |    |    |     |     |    |    |    |     |     |     |    |    |     |     |
| HOLFSBURG          | 1.60  |              | T | .75 |     |   |   |   |   |   | T  |    | T  | .45 | .08 | .02 |    |    |    |    |    |     | T   |    |    |    | .38 | .10 | T   |    |    |     | .12 |
| ORK 3 SSW PUMP STA | 1.56  |              | T | .15 | .31 |   |   |   |   |   |    |    |    | .37 | .14 | T   |    |    |    |    |    |     |     |    |    |    |     | .08 | .01 |    |    |     | .11 |
| ORK HAVEN          | 1.94  |              |   | .02 | .30 |   |   |   |   |   |    |    |    | .28 | .15 | T   |    |    |    |    |    | .36 | .20 |    |    |    |     |     |     |    |    | .08 |     |
| ION GROVE          | 1.10  |              |   |     | .40 |   |   |   |   |   |    |    |    | .27 | T   |     |    |    |    |    |    |     |     |    |    |    |     |     |     |    |    | .07 |     |
| IONSVILLE 3 SE     | 1.42  |              |   | .15 | .14 |   |   |   |   |   |    |    |    | .38 | .17 |     |    |    |    |    |    |     |     |    |    |    | .04 |     |     |    |    |     | .06 |
|                    |       |              |   |     |     |   |   |   |   |   |    |    |    | .54 | T   |     |    |    |    |    |    |     | .59 |    |    |    |     |     |     | T  |    |     | T   |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m p h |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |       |       |       |           |               | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|-----------|---------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average          | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 1.00-1.99 | 2.00 and over |                              |                                     | Total |
| WILKENTOWN WB AIRPORT   | WSW            | 12                              | 8.3              | 31           | WSW                       | 31                   | 89                                   | 89         | 53         | 72         | 4                                 | 3     | 3     | 0     | 0         | 0             | 10                           | -                                   | 4.6   |
| ERIE WB AIRPORT         | S              | 15                              | 14.2             | 29           | WNW                       | 31+                  | 72                                   | 72         | 62         | 72         | 4                                 | 3     | 5     | 1     | 0         | 0             | 13                           | -                                   | 5.9   |
| HARRISBURG WB AIRPORT   | W              | 15                              | 7.5              | 23           | W                         | 31+                  | 85                                   | 87         | 53         | 70         | 6                                 | 2     | 3     | 0     | 0         | 0             | 11                           | 66                                  | 4.9   |
| PHILADELPHIA WB AIRPORT | WSW            | 12                              | 8.4              | 26           | E                         | 22+                  | 83                                   | 84         | 54         | 73         | 3                                 | 3     | 3     | 1     | 0         | 0             | 10                           | 75                                  | 4.7   |
| PITTSBURGH WB AIRPORT 2 | WSW            | 11                              | 8.0              | 29           | W                         | 13                   | 82                                   | 87         | 57         | 70         | 2                                 | 4     | 6     | 1     | 0         | 0             | 13                           | 63                                  | 5.7   |
| READING WB CITY         | NW             | -                               | 9.1              | 33           | NW                        | 15                   | -                                    | -          | -          | -          | 2                                 | 4     | 1     | 2     | 0         | 0             | 9                            | 68                                  | 4.2   |
| CRANTON WB AIRPORT      | WSW            | 14                              | 7.8              | 24           | SW                        | 31                   | 85                                   | 89         | 54         | 69         | 3                                 | 5     | 4     | 0     | 0         | 0             | 12                           | 57                                  | 5.1   |
| WILLIAMSPORT WB AIRPORT | W              | 14                              | 5.9              | 23           | W                         | 31                   | 88                                   | 88         | 56         | 72         | 5                                 | 3     | 4     | 1     | 0         | 0             | 13                           | -                                   | 6.2   |

See reference notes following Station Index.

# DAILY TEMPERATURES

PENNSYLVANIA  
OCTOBER 1961

| Station                 | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                         | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |      |
| ALLENTOWN WB AP         | MAX          | 73 | 69 | 63 | 57 | 66 | 77 | 80 | 70 | 80 | 80 | 78 | 75 | 81 | 63 | 53 | 56 | 68 | 77 | 74 | 74 | 60 | 63 | 59 | 60 | 69 | 58 | 55 | 58 | 70 | 78 | 72      | 68.3 |
|                         | MIN          | 49 | 53 | 50 | 37 | 32 | 40 | 45 | 53 | 55 | 48 | 52 | 50 | 51 | 42 | 40 | 36 | 32 | 39 | 41 | 42 | 51 | 41 | 34 | 30 | 35 | 40 | 34 | 27 | 39 | 48 | 56      | 42.6 |
| ALLENTOWN GAS CO        | MAX          | 72 | 75 | 69 | 59 | 57 | 68 | 78 | 80 | 70 | 80 | 82 | 79 | 76 | 82 | 63 | 52 | 55 | 69 | 79 | 76 | 74 | 59 | 64 | 59 | 61 | 71 | 57 | 55 | 59 | 72 | 77      | 68.7 |
|                         | MIN          | 39 | 50 | 55 | 46 | 34 | 36 | 45 | 47 | 53 | 48 | 51 | 53 | 51 | 52 | 40 | 40 | 34 | 35 | 40 | 43 | 50 | 51 | 32 | 31 | 32 | 37 | 37 | 29 | 30 | 45 | 55      | 42.6 |
| ALTOONA HORSESHOE CURVE | MAX          | 72 | 63 | 54 | 54 | 71 | 74 | 75 | 75 | 76 | 78 | 77 | 76 | 80 | 65 | 45 | 54 | 72 | 78 | 73 | 68 | 59 | 65 | 61 | 66 | 75 | 60 | 50 | 59 | 73 | 65 | 67      | 67.1 |
|                         | MIN          | 47 | 52 | 42 | 32 | 34 | 44 | 47 | 47 | 49 | 48 | 48 | 48 | 52 | 42 | 34 | 38 | 37 | 45 | 44 | 47 | 45 | 40 | 32 | 35 | 41 | 39 | 38 | 28 | 33 | 52 | 56      | 42.5 |
| ARENOSVILLE             | MAX          | 74 | 73 | 71 | 56 | 57 | 71 | 76 | 78 | 75 | 79 | 81 | 80 | 74 | 82 | 60 | 52 | 57 | 72 | 80 | 76 | 68 | 56 | 64 | 60 | 61 | 69 | 59 | 56 | 58 | 74 | 75      | 68.5 |
|                         | MIN          | 40 | 50 | 54 | 41 | 34 | 39 | 41 | 47 | 54 | 52 | 50 | 47 | 48 | 49 | 40 | 40 | 33 | 34 | 39 | 41 | 42 | 49 | 34 | 33 | 33 | 38 | 35 | 29 | 30 | 38 | 51      | 41.5 |
| AUSTINBURG 2 W          | MAX          | 74 | 69 | 55 | 45 | 50 | 68 | 75 | 79 | 74 | 75 | 79 | 77 | 79 | 79 | 47 | 43 | 53 | 69 | 76 | 75 | 69 | 62 | 62 | 62 | 68 | 72 | 52 | 50 | 58 | 70 | 75      | 65.8 |
|                         | MIN          | 45 | 53 | 43 | 36 | 28 | 33 | 44 | 48 | 48 | 42 | 42 | 47 | 41 | 44 | 34 | 34 | 30 | 41 | 43 | 39 | 41 | 35 | 23 | 29 | 35 | 39 | 39 | 24 | 30 | 47 | 50      | 38.9 |
| BAKERSTOWN 3 WNW        | MAX          | 80 | 74 | 60 | 54 | 68 | 73 | 75 | 74 | 76 | 75 | 76 | 78 | 78 | 81 | 53 | 53 | 70 | 76 | 76 | 72 | 70 | 61 | 65 | 65 | 70 | 67 | 49 | 63 | 70 | 71 | 65      | 69.0 |
|                         | MIN          | 54 | 57 | 45 | 33 | 38 | 41 | 41 | 46 | 46 | 45 | 51 | 58 | 46 | 40 | 34 | 41 | 33 | 44 | 44 | 45 | 46 | 40 | 38 | 43 | 49 | 43 | 38 | 28 | 33 | 52 | 56      | 43.8 |
| BELLEFONTE 4 S          | MAX          | 72 | 70 | 70 | 49 | 55 | 69 | 75 | 78 | 71 | 77 | 78 | 76 | 78 | 77 | 55 | 47 | 55 | 67 | 77 | 73 | 70 | 57 | 66 | 62 | 65 | 72 | 50 | 49 | 58 | 71 | 66      | 66.3 |
|                         | MIN          | 36 | 52 | 45 | 36 | 41 | 43 | 41 | 43 | 45 | 45 | 46 | 47 | 49 | 51 | 36 | 37 | 35 | 38 | 38 | 39 | 43 | 40 | 26 | 31 | 33 | 41 | 39 | 26 | 30 | 41 | 55      | 40.3 |
| BERWICK                 | MAX          | 76 | 75 | 73 | 54 | 68 | 76 | 80 | 78 | 80 | 79 | 81 | 79 | 80 | 78 | 50 | 55 | 69 | 79 | 79 | 75 | 72 | 66 | 63 | 62 | 74 | 70 | 54 | 58 | 72 | 72 | 69      | 70.8 |
|                         | MIN          | 51 | 50 | 51 | 39 | 32 | 39 | 44 | 48 | 52 | 45 | 50 | 49 | 50 | 46 | 40 | 30 | 30 | 36 | 41 | 42 | 50 | 41 | 28 | 32 | 36 | 40 | 37 | 28 | 38 | 43 | 50      | 41.5 |
| BETHLEHEM LEHIGH UNIV   | MAX          | 70 | 66 | 64 | 52 | 60 | 72 | 74 | 66 | 76 | 77 | 72 | 70 | 72 | 70 | 48 | 53 | 63 | 72 | 70 | 66 | 60 | 58 | 56 | 55 | 62 | 58 | 52 | 54 | 66 | 78 | 71      | 64.6 |
|                         | MIN          | 54 | 57 | 52 | 49 | 40 | 41 | 51 | 52 | 58 | 62 | 55 | 58 | 56 | 52 | 46 | 46 | 40 | 46 | 48 | 50 | 54 | 53 | 46 | 36 | 41 | 50 | 44 | 35 | 45 | 59 | 62      | 49.9 |
| BLAIRSVILLE 6 ENE       | MAX          | 75 | 54 | 47 | 49 | 65 | 68 | 71 | 72 | 71 | 74 | 75 | 77 | 74 | 66 | 38 | 51 | 65 | 72 | 72 | 64 | 57 | 58 | 60 | 67 | 69 | 52 | 52 | 62 | 66 | 59 | 62      | 63.4 |
|                         | MIN          | 54 | 50 | 40 | 32 | 44 | 51 | 49 | 52 | 50 | 51 | 54 | 56 | 55 | 37 | 32 | 37 | 40 | 54 | 50 | 43 | 43 | 37 | 39 | 44 | 50 | 36 | 33 | 36 | 50 | 57 | 47      | 45.1 |
| BLOSERVILLE 1 N         | MAX          | 73 | 72 | 75 | 55 | 51 | 69 | 77 | 80 | 74 | 81 | 79 | 74 | 81 | 59 | 52 | 58 | 69 | 78 | 75 | 71 | 58 | 65 | 62 | 62 | 68 | 62 | 55 | 59 | 56 | 73 | 74      | 68.2 |
|                         | MIN          | 41 | 51 | 51 | 43 | 36 | 44 | 46 | 52 | 53 | 50 | 51 | 53 | 54 | 56 | 39 | 40 | 38 | 40 | 46 | 47 | 48 | 49 | 36 | 34 | 35 | 40 | 41 | 30 | 34 | 48 | 56      | 44.6 |
| BRAOFCO FAA AIRPORT     | MAX          | 67 | 57 | 47 | 47 | 64 | 70 | 74 | 71 | 70 | 74 | 73 | 76 | 73 | 55 | 40 | 48 | 64 | 72 | 70 | 64 | 51 | 58 | 62 | 65 | 66 | 45 | 42 | 57 | 66 | 61 | 55      | 61.4 |
|                         | MIN          | 52 | 47 | 36 | 30 | 36 | 45 | 41 | 39 | 37 | 43 | 43 | 48 | 43 | 34 | 32 | 30 | 30 | 50 | 44 | 40 | 45 | 30 | 26 | 38 | 44 | 37 | 28 | 28 | 45 | 53 | 46      | 39.5 |
| BRAOFCO 4 W RES         | MAX          | 72 | 66 | 54 | 48 | 65 | 71 | 73 | 73 | 71 | 75 | 74 | 76 | 75 | 72 | 41 | 49 | 66 | 73 | 72 | 68 | 61 | 60 | 64 | 67 | 68 | 59 | 45 | 58 | 67 | 64 | 58      | 64.7 |
|                         | MIN          | 49 | 48 | 38 | 27 | 28 | 37 | 37 | 36 | 41 | 40 | 48 | 48 | 38 | 36 | 31 | 31 | 26 | 38 | 35 | 34 | 42 | 32 | 22 | 31 | 36 | 36 | 34 | 24 | 38 | 51 | 47      | 36.7 |
| BROOKVILLE FAA AIRPORT  | MAX          | 72 | 59 | 48 | 53 | 67 | 72 | 75 | 76 | 73 | 77 | 77 | 79 | 76 | 57 | 43 | 53 | 66 | 74 | 73 | 71 | 59 | 64 | 64 | 69 | 67 | 44 | 45 | 62 | 68 | 61 | 62      | 64.7 |
|                         | MIN          | 51 | 49 | 36 | 30 | 32 | 40 | 37 | 39 | 42 | 42 | 44 | 50 | 43 | 37 | 34 | 32 | 28 | 38 | 35 | 49 | 42 | 34 | 27 | 34 | 39 | 39 | 30 | 29 | 34 | 55 | 50      | 38.7 |
| BURGETTSTOWN 2 W        | MAX          | 81 | 75 | 59 | 58 | 52 | 68 | 72 | 74 | 74 | 75 | 76 | 78 | 80 | 79 | 55 | 44 | 58 | 70 | 75 | 74 | 69 | 62 | 61 | 65 | 70 | 69 | 45 | 52 | 65 | 72 | 66      | 66.9 |
|                         | MIN          | 41 | 51 | 46 | 35 | 38 | 37 | 36 | 38 | 39 | 39 | 39 | 43 | 44 | 36 | 35 | 35 | 28 | 29 | 38 | 38 | 38 | 30 | 28 | 29 | 39 | 41 | 29 | 27 | 30 | 39 | 52      | 37.3 |
| BUTLER                  | MAX          | 82 | 60 | 49 | 54 | 70 | 75 | 78 | 77 | 79 | 77 | 79 | 82 | 81 | 50 | 59 | 72 | 75 | 72 | 75 | 72 | 64 | 65 | 70 | 68 | 46 | 65 | 70 | 68 | 46 | 71 | 64      | 68.0 |
|                         | MIN          | 51 | 46 | 30 | 31 | 40 | 37 | 38 | 41 | 44 | 44 | 44 | 44 | 44 | 40 | 35 | 30 | 29 | 37 | 37 | 47 | 48 | 28 | 29 | 34 | 41 | 37 | 32 | 41 | 37 | 52 | 51      | 38.0 |
| CANTON 1 NW             | MAX          | 66 | 64 | 60 | 46 | 47 | 62 | 75 | 76 | 70 | 73 | 77 | 74 | 72 | 74 | 50 | 43 | 49 | 65 | 73 | 72 | 67 | 52 | 57 | 58 | 58 | 67 | 47 | 46 | 50 | 68 | 68      | 62.1 |
|                         | MIN          | 47 | 50 | 45 | 35 | 32 | 34 | 45 | 52 | 50 | 47 | 53 | 53 | 47 | 48 | 34 | 33 | 32 | 34 | 40 | 44 | 40 | 42 | 30 | 31 | 39 | 39 | 38 | 28 | 30 | 45 | 48      | 40.8 |
| CARLISLE                | MAX          | 75 | 74 | 67 | 58 | 72 | 78 | 81 | 73 | 80 | 83 | 81 | 77 | 83 | 72 | 52 | 46 | 58 | 69 | 73 | 73 | 64 | 66 | 63 | 64 | 70 | 62 | 54 | 58 | 75 | 75 | 73      | 70.7 |
|                         | MIN          | 48 | 56 | 48 | 44 | 36 | 42 | 47 | 50 | 54 | 50 | 51 | 52 | 51 | 47 | 42 | 46 | 38 | 39 | 43 | 42 | 52 | 51 | 32 | 36 | 41 | 48 | 42 | 30 | 34 | 47 | 56      | 45.0 |
| CHAMBERSBURG 1 ESE      | MAX          | 72 | 75 | 64 | 59 | 73 | 76 | 79 | 76 | 80 | 81 | 80 | 77 | 81 | 66 | 52 | 60 | 78 | 77 | 76 | 70 | 61 | 67 | 67 | 63 | 73 | 62 | 56 | 59 | 73 | 75 | 73      | 70.4 |
|                         | MIN          | 40 | 48 | 46 | 40 | 34 | 40 | 42 | 46 | 46 | 45 | 45 | 47 | 48 | 43 | 40 | 42 | 37 | 39 | 40 | 46 | 49 | 44 | 31 | 32 | 37 | 45 | 34 | 25 | 27 | 42 | 55      | 41.1 |
| CLARION 3 SW            | MAX          | 68 | 61 | 49 | 46 | 62 | 67 | 70 | 70 | 69 | 70 | 70 | 74 | 72 | 64 | 36 | 47 | 63 | 69 | 67 | 64 | 60 | 55 | 56 | 63 | 62 | 50 | 40 | 55 | 62 | 59 | 55      | 60.5 |
|                         | MIN          | 47 | 47 | 38 | 26 | 32 | 37 | 37 | 38 | 37 | 39 | 43 | 47 | 41 | 36 | 31 | 31 | 27 | 35 | 34 | 42 | 35 | 31 | 26 | 32 | 35 | 34 | 35 | 26 | 30 | 43 | 46      | 36.1 |
| CLAYSVILLE 3 W          | MAX          | 77 | 67 | 55 | 54 | 69 | 74 | 78 | 77 | 77 | 79 | 80 | 82 | 80 | 67 | 45 | 60 | 73 | 78 | 76 | 70 | 65 | 64 | 68 | 74 | 70 | 56 | 54 | 67 | 74 | 68 | 68      | 69.2 |
|                         | MIN          | 54 | 52 | 45 | 35 | 36 | 36 | 35 | 37 | 39 | 39 | 40 | 49 | 45 | 42 | 38 | 36 | 29 | 38 | 36 | 43 | 40 | 32 | 28 | 40 | 38 | 42 | 28 | 28 | 31 | 42 | 57      | 39.0 |
| CLERMONT 4 NW           | MAX          | 68 | 58 | 42 | 52 | 64 | 70 | 72 | 68 | 74 | 74 | 72 | 74 | 64 | 40 | 50 | 68 | 70 | 68 | 65 | 58 | 64 | 58 | 64 | 66 | 60 | 45 | 54 | 66 | 60 | 58 | 58      | 62.5 |
|                         | MIN          | 54 | 50 | 40 | 30 | 36 | 44 | 38 | 38 | 36 | 40 | 42 | 54 | 36 | 40 | 32 | 32 | 28 | 42 | 36 | 45 | 48 | 28 | 20 | 33 | 42 | 36 | 34 | 26 | 38 | 56 | 47      | 38.3 |
| COATESVILLE 1 SW        | MAX          | 73 | 77 | 69 | 58 | 58 | 69 | 77 | 80 | 72 | 82 | 80 | 80 | 77 | 80 | 65 | 53 | 57 | 71 | 79 | 75 | 74 | 55 | 60 | 59 | 61 | 71 | 58 | 56 | 60 | 73 | 77      | 68.9 |
|                         | MIN          | 37 | 48 | 56 | 46 | 32 | 32 | 42 | 49 | 55 | 42 | 50 | 51 | 49 | 50 | 42 | 41 | 34 | 34 | 40 | 41 | 42 | 50 | 40 | 32 | 31 | 42 | 37 | 28 | 28 | 40 | 52      | 41.9 |
| CONFLUENCE 1 SW OAM     | MAX          | 83 | 80 | 59 | 51 | 52 | 67 | 74 | 76 | 74 | 75 | 78 | 79 | 82 | 78 | 50 | 46 | 55 | 70 | 76 | 73 | 68 | 60 | 57 | 67 | 72 | 72 | 45 | 50 | 62 | 72 | 64      | 66.7 |
|                         | MIN          | 38 | 46 | 48 | 33 | 33 | 38 | 42 | 44 | 46 | 46 | 46 | 46 | 48 | 49 | 35 | 37 | 36 | 36 | 39 | 41 | 43 | 40 | 35 | 34 | 35 | 41 | 37 | 28 | 29 | 32 |         |      |

DAILY TEMPERATURES

PENNSYLVANIA OCTOBER 1961

| Station                | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                        | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| ERIE WB AIRPORT        | MAX 68       | 57 | 52 | 52 | 73 | 76 | 72 | 69 | 73 | 75 | 79 | 73 | 80 | 55 | 52 | 51 | 72 | 76 | 75 | 58 | 57 | 55 | 64 | 65 | 65 | 51 | 49 | 63 | 70 | 66 | 57   | 64.5    |
| EVERETT 1 SW           | MIN 54       | 48 | 46 | 45 | 45 | 54 | 53 | 51 | 48 | 60 | 58 | 55 | 53 | 40 | 40 | 41 | 41 | 58 | 55 | 49 | 45 | 41 | 38 | 48 | 47 | 40 | 38 | 37 | 50 | 55 | 52   | 47.9    |
| FARRELL SHARON         | MAX 66       | 72 | 54 | 50 | 72 | 74 | 75 | 78 | 77 | 74 | 79 | 79 | 76 | 59 | 57 | 58 | 69 | 78 | 72 | 67 | 62 | 66 | 60 | 66 | 67 | 56 | 56 | 63 | 62 | 68 | 69   | 67.1    |
| FORD CITY 4 S DAM      | MIN 53       | 50 | 44 | 37 | 35 | 38 | 40 | 46 | 46 | 42 | 41 | 44 | 50 | 42 | 38 | 39 | 30 | 37 | 37 | 40 | 39 | 38 | 30 | 33 | 36 | 40 | 27 | 25 | 26 | 30 | 58   | 39.1    |
| FRANKLIN               | MAX 61       | 60 | 54 | 56 | 73 | 79 | 82 | 79 | 80 | 85 | 84 | 85 | 82 | 67 | 44 | 55 | 73 | 79 | 80 | 72 | 58 | 64 | 66 | 72 | 66 | 57 | 53 | 66 | 70 | 64 | 68   | 68.8    |
| FREELEND               | MIN 56       | 51 | 45 | 40 | 47 | 50 | 45 | 44 | 47 | 54 | 52 | 64 | 52 | 50 | 39 | 37 | 36 | 50 | 48 | 47 | 50 | 43 | 37 | 46 | 53 | 42 | 42 | 38 | 46 | 52 | 52   | 46.9    |
| GRATERFORD 1 E         | MAX 81       | 77 | 59 | 51 | 54 | 70 | 75 | 77 | 76 | 76 | 79 | 79 | 80 | 79 | 51 | 45 | 55 | 70 | 77 | 76 | 72 | 63 | 63 | 66 | 71 | 72 | 46 | 53 | 67 | 72 | 66   | 67.7    |
| GREENVILLE             | MIN 39       | 51 | 48 | 31 | 30 | 42 | 37 | 40 | 43 | 42 | 42 | 44 | 49 | 48 | 36 | 36 | 32 | 31 | 37 | 37 | 41 | 35 | 31 | 30 | 34 | 39 | 38 | 31 | 32 | 35 | 54   | 38.5    |
| HANTOVER               | MAX 76       | 65 | 56 | 55 | 72 | 75 | 78 | 78 | 76 | 79 | 79 | 82 | 80 | 61 | 46 | 56 | 71 | 77 | 74 | 75 | 61 | 65 | 66 | 72 | 72 | 68 | 52 | 64 | 71 | 65 | 66   | 68.8    |
| HARRISBURG WB AP       | MIN 58       | 51 | 43 | 33 | 36 | 43 | 42 | 45 | 43 | 45 | 49 | 56 | 46 | 43 | 37 | 37 | 32 | 45 | 52 | 40 | 46 | 35 | 30 | 39 | 38 | 42 | 40 | 31 | 38 | 56 | 52   | 42.7    |
| HOLTWOOD               | MAX 67       | 65 | 63 | 61 | 62 | 64 | 77 | 72 | 75 | 75 | 73 | 73 | 75 | 72 | 52 | 65 | 74 | 78 | 74 | 73 | 66 | 61 | 63 | 66 | 59 | 55 | 48 | 51 | 66 | 69 | 63   | 66.4    |
| HUNTINGOON             | MIN 48       | 51 | 59 | 38 | 34 | 40 | 49 | 56 | 53 | 53 | 58 | 51 | 48 | 48 | 36 | 36 | 32 | 31 | 41 | 38 | 39 | 43 | 34 | 35 | 41 | 40 | 34 | 41 | 54 | 52 | 45.9 |         |
| INDIANA 3 SE           | MAX 69       | 75 | 67 | 61 | 58 | 66 | 74 | 76 | 74 | 78 | 78 | 78 | 73 | 76 | 68 | 55 | 59 | 68 | 76 | 74 | 72 | 54 | 58 | 55 | 65 | 69 | 60 | 57 | 57 | 66 | 73   | 67.4    |
| JAMESTOWN 2 NW         | MIN 42       | 46 | 55 | 42 | 32 | 39 | 47 | 49 | 50 | 56 | 54 | 55 | 50 | 49 | 37 | 37 | 33 | 40 | 42 | 45 | 52 | 44 | 37 | 35 | 36 | 41 | 37 | 31 | 38 | 42 | 46   | 43.2    |
| KANE 1 NNE             | MAX 74       | 74 | 72 | 56 | 57 | 69 | 76 | 79 | 75 | 80 | 82 | 80 | 75 | 81 | 61 | 52 | 57 | 70 | 79 | 75 | 70 | 57 | 65 | 61 | 61 | 71 | 56 | 55 | 62 | 74 | 74   | 68.7    |
| LANCASTER 2NE PUMP STA | MIN 45       | 51 | 53 | 42 | 36 | 42 | 46 | 50 | 52 | 50 | 50 | 48 | 51 | 52 | 41 | 43 | 34 | 40 | 42 | 42 | 44 | 49 | 36 | 33 | 36 | 40 | 41 | 29 | 32 | 49 | 61   | 43.9    |
| LANOISVILLE 2 NW       | MAX 71       | 74 | 68 | 58 | 57 | 66 | 72 | 80 | 70 | 78 | 80 | 78 | 75 | 79 | 63 | 52 | 54 | 68 | 78 | 74 | 72 | 54 | 58 | 57 | 60 | 70 | 58 | 56 | 58 | 71 | 77   | 67.3    |
| LEBANON 3 W            | MIN 35       | 47 | 54 | 31 | 30 | 42 | 37 | 40 | 43 | 48 | 56 | 51 | 48 | 48 | 36 | 36 | 32 | 31 | 41 | 38 | 39 | 47 | 38 | 29 | 28 | 30 | 33 | 27 | 30 | 42 | 49   | 40.2    |
| LEWISTOWN              | MAX 80       | 63 | 60 | 61 | 73 | 79 | 82 | 87 | 81 | 85 | 80 | 85 | 82 | 63 | 45 | 60 | 74 | 79 | 79 | 74 | 59 | 65 | 65 | 73 | 66 | 57 | 55 | 66 | 70 | 64 | 70   | c       |
| LOCK HAVEN             | MIN 55       | 52 | 39 | 33 | 40 | 43 | 41 | 40 | 43 | 48 | 48 | 57 | 46 | 45 | 37 | 38 | 32 | 46 | 42 | 47 | 48 | 35 | 31 | 41 | 47 | 40 | 39 | 30 | 41 | 58 | 49   | 42.9    |
| LANCASTER 2NE PUMP STA | MAX 75       | 75 | 70 | 56 | 58 | 70 | 84 | 80 | 74 | 80 | 81 | 81 | 76 | 81 | 62 | 52 | 58 | 71 | 79 | 76 | 73 | 56 | 67 | 61 | 61 | 74 | 58 | 57 | 59 | 74 | 74   | 69.5    |
| LANOISVILLE 2 NW       | MIN 42       | 51 | 63 | 31 | 34 | 36 | 37 | 48 | 54 | 50 | 49 | 51 | 54 | 53 | 41 | 42 | 39 | 38 | 44 | 46 | 45 | 43 | 36 | 36 | 41 | 40 | 31 | 32 | 55 | 58 | 46.4 |         |
| LAWRENCEVILLE 2 S      | MAX 76       | 74 | 61 | 57 | 71 | 77 | 75 | 74 | 80 | 81 | 80 | 74 | 82 | 68 | 54 | 58 | 72 | 81 | 77 | 73 | 59 | 67 | 61 | 60 | 66 | 50 | 61 | 75 | 79 | 76 | 70   | 70.0    |
| LEBANON 3 W            | MIN 51       | 52 | 48 | 38 | 34 | 43 | 48 | 52 | 55 | 48 | 51 | 52 | 53 | 45 | 44 | 42 | 36 | 41 | 46 | 42 | 53 | 43 | 32 | 35 | 40 | 43 | 37 | 30 | 35 | 47 | 57   | 44.3    |
| LEWISTOWN              | MAX 69       | 71 | 72 | 53 | 51 | 69 | 77 | 80 | 70 | 78 | 80 | 76 | 77 | 81 | 59 | 49 | 53 | 71 | 79 | 76 | 75 | 62 | 66 | 61 | 66 | 74 | 56 | 51 | 61 | 73 | 75   | 68.1    |
| LANCASTER 2NE PUMP STA | MIN 35       | 45 | 52 | 37 | 42 | 29 | 30 | 42 | 48 | 42 | 42 | 50 | 48 | 49 | 36 | 35 | 27 | 28 | 32 | 36 | 37 | 37 | 25 | 25 | 29 | 31 | 37 | 21 | 21 | 45 | 49   | 36.8    |
| LANOISVILLE 2 NW       | MAX 75       | 67 | 66 | 57 | 70 | 77 | 77 | 70 | 76 | 76 | 79 | 72 | 79 | 65 | 53 | 56 | 70 | 79 | 72 | 71 | 63 | 65 | 59 | 62 | 68 | 62 | 55 | 60 | 74 | 75 | 75   | 68.5    |
| LAWRENCEVILLE 2 S      | MIN 52       | 57 | 51 | 44 | 40 | 48 | 54 | 58 | 58 | 55 | 56 | 54 | 55 | 47 | 45 | 45 | 42 | 48 | 52 | 48 | 53 | 49 | 42 | 40 | 45 | 49 | 38 | 40 | 36 | 41 | 54   | 47.7    |
| LANOISVILLE 2 NW       | MAX 75       | 73 | 73 | 53 | 52 | 74 | 72 | 72 | 73 | 78 | 79 | 78 | 78 | 80 | 56 | 49 | 58 | 70 | 79 | 74 | 72 | 61 | 67 | 61 | 65 | 74 | 54 | 52 | 60 | 74 | 72   | 68.0    |
| LAWRENCEVILLE 2 S      | MIN 39       | 45 | 52 | 39 | 45 | 51 | 48 | 47 | 46 | 46 | 47 | 46 | 46 | 53 | 41 | 41 | 32 | 31 | 35 | 37 | 41 | 44 | 31 | 31 | 31 | 37 | 43 | 32 | 32 | 32 | 35   | 39.2    |
| LANOISVILLE 2 NW       | MAX 80       | 67 | 55 | 54 | 69 | 73 | 77 | 78 | 76 | 79 | 80 | 81 | 79 | 66 | 42 | 54 | 68 | 76 | 77 | 72 | 63 | 63 | 65 | 71 | 72 | 55 | 50 | 68 | 70 | 62 | 65   | 68.0    |
| LANOISVILLE 2 NW       | MIN 51       | 54 | 43 | 31 | 34 | 36 | 38 | 41 | 40 | 40 | 45 | 49 | 40 | 45 | 42 | 37 | 40 | 30 | 36 | 40 | 47 | 32 | 29 | 39 | 38 | 39 | 36 | 28 | 31 | 42 | 55   | 39.5    |
| LANOISVILLE 2 NW       | MAX 81       | 65 | 61 | 50 | 56 | 72 | 75 | 77 | 75 | 77 | 80 | 80 | 81 | 80 | 47 | 45 | 57 | 72 | 76 | 75 | 66 | 56 | 60 | 64 | 70 | 64 | 50 | 51 | 64 | 70 | 64   | 66.5    |
| LANOISVILLE 2 NW       | MIN 46       | 50 | 36 | 30 | 32 | 45 | 42 | 37 | 40 | 42 | 50 | 50 | 47 | 44 | 34 | 35 | 33 | 34 | 45 | 45 | 48 | 34 | 33 | 34 | 43 | 38 | 37 | 30 | 34 | 38 | 46   | 39.7    |
| LANOISVILLE 2 NW       | MAX 75       | 71 | 59 | 49 | 47 | 63 | 68 | 68 | 68 | 67 | 70 | 70 | 71 | 69 | 50 | 47 | 44 | 62 | 68 | 66 | 65 | 61 | 52 | 56 | 63 | 64 | 45 | 40 | 54 | 64 | 64   | 60.6    |
| LANOISVILLE 2 NW       | MIN 46       | 49 | 50 | 38 | 39 | 42 | 43 | 45 | 44 | 45 | 46 | 47 | 51 | 50 | 38 | 37 | 33 | 35 | 40 | 43 | 44 | 43 | 34 | 35 | 35 | 44 | 39 | 31 | 32 | 35 | 58   | 41.6    |
| LANOISVILLE 2 NW       | MAX 75       | 71 | 59 | 43 | 50 | 61 | 71 | 73 | 74 | 74 | 76 | 74 | 77 | 75 | 52 | 41 | 50 | 66 | 73 | 71 | 67 | 50 | 60 | 62 | 67 | 69 | 43 | 44 | 59 | 67 | 61   | 63.1    |
| LANOISVILLE 2 NW       | MIN 33       | 31 | 41 | 30 | 30 | 34 | 34 | 34 | 33 | 32 | 38 | 40 | 37 | 37 | 33 | 32 | 26 | 33 | 34 | 37 | 30 | 22 | 22 | 32 | 32 | 34 | 26 | 30 | 34 | 48 | 33.5 |         |
| LANOISVILLE 2 NW       | MAX 77       | 72 | 59 | 56 | 70 | 77 | 78 | 76 | 78 | 81 | 78 | 83 | 80 | 62 | 47 | 57 | 74 | 79 | 76 | 70 | 62 | 66 | 65 | 70 | 76 | 54 | 50 | 54 | 75 | 68 | 70   | 69.0    |
| LANOISVILLE 2 NW       | MIN 44       | 51 | 43 | 36 | 34 | 46 | 39 | 41 | 43 | 46 | 42 | 44 | 45 | 42 | 27 | 38 | 34 | 38 | 38 | 47 | 42 | 39 | 32 | 34 | 33 | 42 | 32 | 25 | 35 | 45 | 46   | 39.5    |
| LANOISVILLE 2 NW       | MAX 74       | 70 | 67 | 57 | 70 | 76 | 78 | 70 | 80 | 78 | 80 | 78 | 80 | 77 | 52 | 58 | 71 | 79 | 74 | 73 | 65 | 64 | 60 | 58 | 68 | 60 | 55 | 58 | 74 | 76 | 75   | 69.5    |
| LANOISVILLE 2 NW       | MIN 42       | 47 | 55 | 42 | 30 | 37 | 41 | 47 | 50 | 43 | 43 | 46 | 46 | 46 | 39 | 39 | 31 | 37 | 40 | 37 | 46 | 46 | 30 | 30 | 34 | 47 | 32 | 26 | 31 | 37 | 47   | 40.1    |
| LANOISVILLE 2 NW       | MAX 72       | 74 | 69 | 58 | 55 | 69 | 76 | 80 | 72 | 78 | 80 | 79 | 75 | 81 | 61 | 51 | 56 | 70 | 80 | 73 | 71 | 58 | 64 | 59 | 68 | 55 | 55 | 59 | 71 | 76 | 67.8 |         |
| LANOISVILLE 2 NW       | MIN 40       | 55 | 55 | 45 | 31 | 37 | 43 | 51 | 53 | 45 | 47 | 48 | 47 | 49 | 41 | 40 | 32 | 36 | 41 | 36 | 41 | 51 | 31 | 32 | 30 | 40 | 35 | 25 | 27 | 40 | 42   | 40.8    |
| LANOISVILLE 2 NW       | MAX 69       | 62 | 64 | 49 | 69 | 77 | 78 | 72 | 78 | 81 | 78 | 80 | 80 | 69 | 44 | 51 | 71 | 79 | 77 | 71 | 58 | 59 | 63 | 64 | 72 | 65 | 49 | 56 | 73 | 67 | 64   | 67.4    |
| LANOISVILLE 2 NW       | MIN 50       | 53 | 44 | 35 | 28 | 40 | 43 | 45 | 48 | 44 | 52 | 46 | 49 | 41 | 35 | 32 | 28 | 36 | 33 | 39 | 45 | 32 | 27 | 26 | 39 | 34 | 39 | 24 | 41 | 51 | 43   | 39.4    |
| LANOISVILLE 2 NW       | MAX 72       | 73 | 69 | 55 | 55 | 67 | 75 | 79 | 74 | 79 | 80 | 79 | 75 | 79 | 61 | 50 | 57 | 69 | 78 | 74 | 71 | 58 | 65 | 61 | 57 | 66 | 55 | 52 | 59 | 71 | 76   | 67.5    |
| LANOISVILLE 2 NW       | MIN 48       | 52 | 53 | 44 | 37 | 37 | 47 | 52 | 55 | 52 | 53 | 53 | 50 | 52 | 39 | 39 | 38 | 40 | 47 | 43 | 48 | 50 | 38 | 38 | 39 | 41 | 34 | 34 | 44 | 52 | 44.7 |         |
| LANOISVILLE 2 NW       | MAX 76       | 72 | 76 | 55 | 57 | 72 | 78 | 76 | 73 | 80 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |

# DAILY TEMPERATURES

PENNSYLVANIA  
OCTOBER 1961

Continued

| Station                 | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                         |              | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| NEWELL                  | MAX          | 86 | 81 | 58 | 51 | 63 | 69 | 76 | 79 | 79 | 77 | 80 | 84 | 84 | 84 | 51 | 57 | 61 | 74 | 79 | 79 | 72 | 66 | 65 | 70 | 75 | 74 | 47 | 57 | 68 | 78 | 67   | 70.7    |
|                         | MIN          | 52 | 55 | 49 | 38 | 38 | 41 | 42 | 46 | 48 | 44 | 42 | 56 | 52 | 48 | 41 | 42 | 37 | 42 | 41 | 47 | 51 | 41 | 37 | 39 | 43 | 43 | 38 | 33 | 35 | 48 | 58   | 44.2    |
| NEWPORT                 | MAX          | 74 | 74 | 73 | 55 | 57 | 70 | 78 | 78 | 73 | 79 | 80 | 79 | 74 | 82 | 61 | 50 | 51 | 70 | 78 | 75 | 71 | 59 | 64 | 62 | 62 | 69 | 58 | 54 | 60 | 70 | 72   | 68.1    |
|                         | MIN          | 35 | 49 | 50 | 44 | 34 | 33 | 40 | 45 | 50 | 48 | 48 | 49 | 51 | 52 | 43 | 42 | 35 | 33 | 38 | 40 | 44 | 47 | 33 | 31 | 33 | 38 | 43 | 30 | 35 | 34 | 45   | 41.0    |
| NEW STANTON             | MAX          | 84 | 64 | 58 | 54 | 73 | 75 | 79 | 78 | 77 | 79 | 82 | 82 | 82 | 63 | 60 | 68 | 74 | 78 | 78 | 71 | 65 | 62 | 68 | 72 | 74 | 54 | 68 | 73 | 64 | 69 | 70.3 |         |
|                         | MIN          | 47 | 53 | 44 | 39 | 36 | 38 | 39 | 40 | 42 | 41 | 43 | 51 | 52 | 42 | 35 | 38 | 31 | 41 | 41 | 46 | 45 | 45 | 31 | 31 | 40 | 38 | 30 | 27 | 30 | 45 | 52   | 40.4    |
| NORRISTOWN              | MAX          | 76 | 69 | 64 | 59 | 69 | 78 | 81 | 75 | 81 | 82 | 80 | 77 | 81 | 67 | 54 | 57 | 71 | 80 | 76 | 74 | 61 | 60 | 59 | 62 | 71 | 61 | 59 | 62 | 74 | 79 | 76   | 70.2    |
|                         | MIN          | 49 | 55 | 50 | 41 | 37 | 45 | 49 | 56 | 57 | 52 | 55 | 54 | 53 | 42 | 37 | 41 | 38 | 45 | 49 | 45 | 50 | 47 | 38 | 34 | 40 | 45 | 39 | 32 | 45 | 50 | 57   | 46.0    |
| PALMERTON               | MAX          | 72 | 68 | 61 | 54 | 65 | 77 | 79 | 71 | 79 | 79 | 77 | 74 | 79 | 63 | 50 | 54 | 67 | 77 | 73 | 72 | 59 | 64 | 60 | 60 | 68 | 58 | 52 | 56 | 72 | 74 | 68   | 67.2    |
|                         | MIN          | 40 | 51 | 49 | 35 | 30 | 40 | 45 | 52 | 55 | 45 | 52 | 51 | 51 | 41 | 39 | 32 | 30 | 36 | 42 | 44 | 42 | 34 | 29 | 28 | 35 | 41 | 30 | 27 | 42 | 48 | 55   | 41.0    |
| PHIL OREXEL INST OF TEC | MAX          | 76 | 68 | 63 | 58 | 63 | 77 | 80 | 74 | 81 | 81 | 79 | 76 | 76 | 66 | 50 | 55 | 65 | 74 | 77 | 71 | 64 | 58 | 54 | 61 | 69 | 60 | 57 | 58 | 66 | 72 | 75   | 67.9    |
|                         | MIN          | 50 | 56 | 50 | 47 | 42 | 50 | 56 | 60 | 61 | 59 | 60 | 58 | 59 | 42 | 41 | 43 | 35 | 52 | 54 | 51 | 49 | 47 | 45 | 39 | 46 | 52 | 42 | 40 | 46 | 52 | 58   | 50.0    |
| PHILADELPHIA WB AP      | MAX          | 74 | 66 | 63 | 59 | 64 | 75 | 77 | 74 | 79 | 79 | 78 | 73 | 76 | 63 | 55 | 55 | 66 | 74 | 73 | 71 | 59 | 58 | 53 | 60 | 68 | 60 | 57 | 57 | 67 | 73 | 75   | 67.1    |
|                         | MIN          | 46 | 56 | 50 | 37 | 31 | 42 | 45 | 53 | 55 | 50 | 52 | 56 | 52 | 42 | 39 | 38 | 34 | 46 | 42 | 49 | 49 | 47 | 39 | 35 | 35 | 43 | 36 | 30 | 43 | 49 | 50   | 44.2    |
| PHILADELPHIA PT BREEZE  | MAX          | 79 | 68 | 65 | 60 | 65 | 79 | 82 | 74 | 81 | 82 | 82 | 78 | 78 | 65 | 54 | 56 | 67 | 75 | 78 | 72 | 60 | 59 | 56 | 60 | 70 | 58 | 56 | 58 | 68 | 73 | 75   | 68.8    |
|                         | MIN          | 56 | 62 | 52 | 46 | 42 | 52 | 58 | 64 | 62 | 62 | 62 | 60 | 60 | 44 | 44 | 46 | 44 | 52 | 54 | 52 | 50 | 48 | 44 | 42 | 46 | 46 | 41 | 40 | 47 | 53 | 59   | 51.3    |
| PHILIPSBURG FAA AP      | MAX          | 67 | 59 | 51 | 49 | 66 | 70 | 73 | 69 | 72 | 73 | 71 | 75 | 74 | 66 | 40 | 49 | 65 | 73 | 68 | 67 | 59 | 62 | 58 | 61 | 66 | 60 | 42 | 53 | 67 | 62 | 61   | 62.8    |
|                         | MIN          | 50 | 50 | 38 | 31 | 29 | 40 | 37 | 39 | 41 | 37 | 42 | 48 | 42 | 35 | 34 | 42 | 35 | 34 | 34 | 30 | 39 | 35 | 43 | 46 | 33 | 28 | 35 | 42 | 48 | 49 | 37.8 |         |
| PITTSBURGH WB AP 2      | MAX          | 76 | 59 | 49 | 54 | 69 | 74 | 75 | 75 | 75 | 77 | 80 | 80 | 80 | 59 | 44 | 58 | 71 | 76 | 74 | 69 | 63 | 62 | 63 | 70 | 70 | 47 | 64 | 71 | 64 | 66 | 66.6 |         |
|                         | MIN          | 54 | 48 | 41 | 39 | 42 | 44 | 44 | 43 | 47 | 47 | 53 | 57 | 52 | 39 | 36 | 40 | 36 | 48 | 47 | 44 | 46 | 41 | 34 | 41 | 46 | 39 | 35 | 34 | 39 | 58 | 48   | 43.9    |
| PITTSBURGH WB CITY      | MAX          | 77 | 60 | 52 | 54 | 70 | 76 | 77 | 77 | 78 | 79 | 80 | 80 | 81 | 62 | 48 | 58 | 71 | 78 | 74 | 71 | 64 | 63 | 65 | 72 | 71 | 52 | 65 | 73 | 66 | 67 | 68.2 |         |
|                         | MIN          | 57 | 50 | 45 | 41 | 45 | 52 | 47 | 48 | 52 | 50 | 54 | 62 | 56 | 40 | 39 | 46 | 40 | 56 | 49 | 47 | 49 | 43 | 41 | 45 | 51 | 43 | 39 | 39 | 43 | 60 | 54   | 47.8    |
| PLEASANT MOUNT 1 W      | MAX          | 68 | 68 | 67 | 49 | 45 | 59 | 72 | 71 | 69 | 70 | 73 | 77 | 69 | 74 | 52 | 39 | 45 | 61 | 71 | 72 | 70 | 65 | 66 | 58 | 58 | 67 | 49 | 45 | 52 | 65 | 68   | 62.4    |
|                         | MIN          | 30 | 43 | 48 | 40 | 30 | 31 | 43 | 45 | 47 | 41 | 42 | 43 | 46 | 46 | 32 | 31 | 30 | 32 | 39 | 38 | 42 | 43 | 28 | 34 | 26 | 33 | 36 | 22 | 24 | 45 | 45   | 36.9    |
| PORT CLINTON            | MAX          | 72 | 73 | 70 | 55 | 57 | 68 | 76 | 82 | 75 | 82 | 81 | 78 | 75 | 79 | 61 | 54 | 65 | 67 | 74 | 73 | 74 | 58 | 66 | 62 | 61 | 68 | 56 | 53 | 51 | 78 | 76   | 68.1    |
|                         | MIN          | 34 | 42 | 47 | 41 | 25 | 26 | 35 | 45 | 48 | 40 | 40 | 45 | 45 | 46 | 35 | 36 | 26 | 27 | 34 | 37 | 42 | 44 | 24 | 25 | 26 | 33 | 30 | 23 | 25 | 33 | 44   | 35.6    |
| PUTNEYVILLE 2 SE OAM    | MAX          | 80 | 76 | 63 | 48 | 54 | 68 | 73 | 75 | 75 | 76 | 77 | 78 | 80 | 78 | 46 | 44 | 55 | 68 | 75 | 75 | 71 | 61 | 63 | 63 | 70 | 71 | 45 | 53 | 64 | 70 | 62   | 66.4    |
|                         | MIN          | 38 | 47 | 42 | 24 | 25 | 35 | 38 | 36 | 38 | 38 | 41 | 44 | 45 | 42 | 32 | 32 | 28 | 29 | 37 | 36 | 39 | 31 | 28 | 35 | 35 | 37 | 26 | 29 | 37 | 49 | 35.7 |         |
| QUAKERTOWN 1 E          | MAX          | 76 | 72 | 68 | 57 | 66 | 76 | 82 | 78 | 78 | 80 | 81 | 77 | 82 | 76 | 52 | 54 | 68 | 78 | 76 | 74 | 70 | 58 | 60 | 61 | 70 | 67 | 55 | 59 | 70 | 76 | 71   | 69.9    |
|                         | MIN          | 40 | 48 | 54 | 44 | 30 | 38 | 41 | 57 | 52 | 44 | 48 | 46 | 47 | 50 | 38 | 40 | 29 | 35 | 39 | 36 | 50 | 48 | 36 | 27 | 32 | 49 | 35 | 34 | 38 | 47 | 52   | 42.1    |
| READING WB CITY         | MAX          | 75 | 68 | 64 | 59 | 69 | 77 | 81 | 71 | 82 | 81 | 80 | 76 | 81 | 68 | 52 | 57 | 70 | 76 | 74 | 59 | 65 | 62 | 61 | 72 | 62 | 54 | 59 | 73 | 75 | 73 | 69.5 |         |
|                         | MIN          | 52 | 54 | 49 | 42 | 38 | 49 | 50 | 56 | 59 | 54 | 56 | 55 | 54 | 44 | 42 | 44 | 40 | 46 | 48 | 45 | 52 | 50 | 41 | 36 | 40 | 46 | 40 | 34 | 46 | 55 | 59   | 47.6    |
| RENOVO                  | MAX          | 75 | 75 | 60 | 51 | 55 | 73 | 79 | 80 | 74 | 79 | 80 | 80 | 82 | 81 | 56 | 48 | 57 | 71 | 79 | 78 | 74 | 60 | 69 | 65 | 60 | 74 | 50 | 56 | 59 | 74 | 63   | 68.4    |
|                         | MIN          | 36 | 46 | 48 | 36 | 33 | 34 | 43 | 47 | 48 | 50 | 50 | 50 | 50 | 53 | 39 | 38 | 33 | 34 | 39 | 41 | 43 | 42 | 31 | 31 | 30 | 38 | 32 | 33 | 34 | 48 | 40.3 |         |
| RIDGWAY 3 W             | MAX          | 74 | 64 | 57 | 52 | 67 | 73 | 75 | 74 | 74 | 77 | 76 | 79 | 77 | 72 | 42 | 53 | 66 | 74 | 74 | 71 | 63 | 62 | 64 | 68 | 70 | 61 | 44 | 59 | 67 | 62 | 60   | 66.2    |
|                         | MIN          | 50 | 52 | 43 | 30 | 31 | 38 | 38 | 39 | 43 | 41 | 45 | 49 | 42 | 40 | 35 | 35 | 27 | 38 | 33 | 38 | 39 | 31 | 25 | 31 | 35 | 37 | 38 | 30 | 33 | 52 | 50   | 38.3    |
| SALINA 3 W              | MAX          | 78 | 71 | 57 | 53 | 68 | 73 | 76 | 75 | 75 | 77 | 76 | 79 | 78 | 74 | 45 | 54 | 68 | 76 | 79 | 69 | 65 | 60 | 64 | 70 | 70 | 64 | 48 | 66 | 71 | 63 | 65   | 68.0    |
|                         | MIN          | 50 | 53 | 44 | 30 | 37 | 44 | 42 | 41 | 44 | 43 | 52 | 55 | 50 | 40 | 36 | 40 | 35 | 48 | 44 | 46 | 39 | 34 | 30 | 37 | 44 | 41 | 37 | 31 | 35 | 50 | 55   | 42.2    |
| SCRANTON                | MAX          | 72 | 75 | 74 | 55 | 51 | 66 | 77 | 80 | 71 | 76 | 81 | 82 | 76 | 80 | 65 | 47 | 52 | 68 | 77 | 77 | 76 | 59 | 62 | 63 | 62 | 72 | 53 | 48 | 66 | 68 | 71   | 67.8    |
|                         | MIN          | 39 | 54 | 52 | 44 | 32 | 32 | 43 | 47 | 52 | 47 | 46 | 51 | 52 | 42 | 36 | 36 | 33 | 33 | 40 | 42 | 46 | 45 | 32 | 30 | 34 | 37 | 39 | 26 | 26 | 51 | 52   | 41.3    |
| SCRANTON WB AIRPORT     | MAX          | 72 | 70 | 55 | 48 | 63 | 72 | 76 | 67 | 78 | 79 | 78 | 71 | 77 | 64 | 42 | 50 | 65 | 73 | 74 | 72 | 57 | 61 | 58 | 58 | 70 | 54 | 45 | 54 | 66 | 69 | 64   | 64.6    |
|                         | MIN          | 48 | 53 | 45 | 34 | 31 | 42 | 45 | 49 | 52 | 45 | 54 | 50 | 49 | 38 | 35 | 33 | 30 | 40 | 44 | 42 | 44 | 37 | 29 | 31 | 35 | 40 | 29 | 25 | 43 | 52 | 51   | 41.1    |
| SHIPPENSBURG            | MAX          | 75 | 77 | 77 | 58 | 70 | 77 | 80 | 75 | 82 | 82 | 82 | 78 | 82 | 80 | 50 | 58 | 70 | 78 | 77 | 73 | 68 | 68 | 62 | 64 | 72 | 70 | 52 | 59 | 72 | 75 | 74   | 71.5    |
|                         | MIN          | 42 | 50 | 52 | 40 | 36 | 45 | 45 | 48 | 52 | 48 | 48 | 49 | 48 | 48 | 39 | 44 | 36 | 42 | 42 | 45 | 50 | 45 | 32 | 34 | 38 | 44 | 42 | 29 | 33 | 50 | 60   | 43.7    |
| SLIPPERY ROCK           | MAX          | 74 | 64 | 54 | 54 | 70 | 76 | 79 | 79 | 79 | 81 | 80 | 84 | 82 | 71 | 43 | 54 | 72 | 78 | 74 | 77 | 66 | 64 | 62 | 70 | 68 | 56 | 65 | 70 | 64 | 64 | 64   | 68.6    |
|                         | MIN          | 57 | 50 | 42 | 35 | 41 | 48 | 45 | 45 | 46 | 48 | 54 | 60 | 51 | 43 | 35 | 41 | 36 | 52 | 48 | 46 | 46 | 40 | 36 | 42 | 50 | 40 | 39 | 33 | 45 | 59 | 49   | 45.2    |
| STATE COLLEGE           | MAX          | 71 | 69 | 68 | 48 | 53 | 68 | 74 | 76 | 70 | 76 | 78 | 75 | 76 | 77 | 53 | 46 | 53 | 68 | 77 | 71 | 70 | 56 | 64 | 62 | 64 | 72 | 47 | 48 | 57 | 71 | 65   | 65.3    |
|                         | MIN          | 39 | 54 | 47 | 36 | 36 | 40 | 46 | 47 | 48 | 49 | 50 | 51 | 51 | 52 | 38 | 38 | 37 | 39 | 43 | 45 | 47 | 43 | 33 | 34 | 37 | 41 | 40 | 31 | 32 | 38 | 58   | 42.6    |
| STOYSTOWN               | MAX          | 78 | 74 | 58 | 47 | 52 | 66 | 72 | 75 | 73 | 74 | 75 | 77 | 78 | 77 | 48 | 45 | 52 | 69 | 74 | 71 | 65 | 60 | 58 | 61 | 70 | 72 | 42 | 46 | 60 | 70 | 63   | 64.6    |
|                         | MIN          | 36 | 47 | 47 | 31 | 33 | 39 | 41 | 42 | 44 | 43 | 44 | 45 | 48 | 47 | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |

EVAPORATION AND WIND

PENNSYLVANIA  
OCTOBER 1961

| Station             | Day of month |         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total<br>or<br>Avg. |               |
|---------------------|--------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|---------------|
|                     | 1            | 2       | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |                     |               |
| BELLEFONTE 4 S      | EVAP         | .14     | .48 | .09 | -   | .09 | .27 | .05 | *   | .11 | .12 | .10 | .12 | .08 | .14 | .08 | .05 | .10 | .10 | *   | *   | .18 | -   | -   | -   | .08 | *   | *   | .22 | .22 | .16 | .04                 | 83.47<br>1694 |
|                     | WIND         | 52      | 45  | 46  | 36  | 47  | 73  | 51  | 19  | 15  | 25  | 25  | 32  | 27  | 82  | 71  | 133 | 66  | 54  | 55  | 40  | 29  | 40  | 28  | 25  | 24  | 94  | 114 | 56  | 51  | 119 | 120                 |               |
| CONFLUENCE 1 SW DAM | EVAP         | .09     | .09 | .04 | .03 | .08 | .08 | .12 | .08 | .08 | .09 | .09 | .08 | .06 | .17 | .06 | .02 | .04 | .09 | .09 | .08 | .14 | .07 | .05 | .07 | .06 | *   | *   | .18 | .04 | .06 | .00                 | 2.23<br>1309  |
|                     | WIND         | 31      | 19  | 48  | 42  | 50  | 41  | 28  | 22  | 23  | 30  | 4   | 18  | 20  | 55  | 121 | 77  | 44  | 29  | 39  | 37  | 47  | 79  | 26  | 27  | 14  | 85  | 65  | 33  | 19  | 36  | 100                 |               |
| FORD CITY 4 S DAM   | EVAP         | .14     | .13 | .06 | .02 | .07 | .12 | .10 | .09 | .08 | .07 | .08 | .10 | .10 | .18 | .10 | .02 | .06 | .06 | .13 | .09 | .12 | .09 | .07 | .06 | .07 | .19 | .02 | .01 | .07 | .07 | .02                 | 2.59<br>1223  |
|                     | WIND         | 41      | 28  | 35  | 29  | 39  | 51  | 31  | 5   | 11  | 8   | 7   | 19  | 15  | 58  | 99  | 94  | 29  | 25  | 35  | 45  | 45  | 48  | 29  | 9   | 15  | 83  | 98  | 28  | 17  | 49  | 98                  |               |
| JAMESTOWN 2 NW      | EVAP         | .12     | .05 | .06 | .01 | .09 | .08 | .10 | .09 | .08 | .08 | .09 | .11 | .11 | .10 | .00 | .06 | .03 | .08 | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -                   | -             |
|                     | WIND         | *<br>50 | 2   | 21  | 7   | 38  | 5   | 4   | 4   | 4   | 6   | 7   | 18  | 27  | 9   | 40  | 4   | 17  | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -                   |               |
| LANDISVILLE 2 NW    | EVAP         | .26     | .15 | .05 | .02 | .17 | .10 | .15 | .09 | .04 | .17 | .12 | .13 | .08 | .10 | .08 | .12 | .14 | .08 | .10 | .11 | .11 | .07 | .08 | .09 | .04 | .04 | .11 | *   | .03 | .20 | .07                 | 3.10<br>1839  |
|                     | WIND         | 56      | 30  | 5   | 189 | 111 | 36  | 34  | 27  | 12  | 48  | 24  | 30  | 28  | 37  | 172 | 111 | 72  | 26  | 28  | 43  | 88  | 153 | 88  | 21  | 28  | 54  | 78  | 54  | 64  | 20  | 72                  |               |

DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Time       | Day of month |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | Average      |              |  |  |
|-------------------------|------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|--------------|--|--|
|                         |            | 1            | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21       | 22       | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       | 31       |              |              |  |  |
| ERIE CO FIELD RSCH LAB  |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |  |
| 8 INCHES                | MAX<br>MIN | 64<br>62     | 62<br>61 | 62<br>59 | 59<br>56 | 59<br>58 | 61<br>58 | 62<br>59 | 62<br>59 | 62<br>59 | 64<br>61 | 64<br>62 | 65<br>63 | 64<br>62 | 64<br>58 | 58<br>55 | 55<br>54 | 56<br>53 | 58<br>56 | 59<br>57 | 59<br>57 | 57<br>56 | 56<br>54 | 55<br>53 | 55<br>53 | 56<br>55 | 56<br>52 | 53<br>52 | 52<br>50 | 54<br>52 | 56<br>54 | 56<br>55 | 58.9<br>56.5 |              |  |  |
| LANDISVILLE 2 NW        |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |  |
| 2 INCHES                | 8 AM       | 60           | 60       | 61       | 45       | 50       | 52       | 55       | 56       | 57       | 56       | 67       | 57       | 57       | 60       | 51       | 50       | 48       | 50       | 52       | 51       | 55       | 53       | 48       | 46       | 48       | 51       | 47       | 44       | 44       | 48       | 53       | 52.3         |              |  |  |
| STATE COLLEGE 2         |            |              |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |              |              |  |  |
| 2 INCHES                | MAX<br>MIN | 68<br>57     | 68<br>60 | 61<br>54 | 57<br>51 | 62<br>51 | 65<br>53 | 67<br>55 | 66<br>56 | 67<br>57 | 69<br>58 | 68<br>58 | 69<br>59 | 69<br>54 | 63<br>50 | 53<br>49 | 56<br>47 | 60<br>50 | 63<br>51 | 62<br>52 | 62<br>52 | 57<br>54 | 60<br>47 | 59<br>47 | 59<br>47 | 60<br>47 | 59<br>47 | 59<br>47 | 56<br>47 | 51<br>44 | 53<br>45 | 57<br>51 | 59<br>53     | 61.5<br>52.1 |  |  |
| 4 INCHES                | MAX<br>MIN | 67<br>59     | 66<br>61 | 62<br>55 | 57<br>52 | 61<br>54 | 63<br>55 | 66<br>57 | 65<br>57 | 66<br>58 | 67<br>58 | 67<br>59 | 67<br>59 | 67<br>59 | 64<br>56 | 54<br>51 | 55<br>49 | 61<br>51 | 60<br>52 | 61<br>53 | 57<br>55 | 59<br>52 | 57<br>48 | 57<br>49 | 57<br>50 | 57<br>49 | 57<br>49 | 56<br>48 | 51<br>45 | 52<br>46 | 56<br>52 | 58<br>54 | 60.5<br>53.1 |              |  |  |
| 8 INCHES                | MAX<br>MIN | 65<br>61     | 65<br>62 | 64<br>59 | 60<br>56 | 62<br>57 | 63<br>55 | 63<br>58 | 64<br>59 | 64<br>60 | 64<br>61 | 65<br>61 | 65<br>61 | 64<br>61 | 59<br>60 | 57<br>54 | 58<br>52 | 58<br>54 | 59<br>55 | 59<br>56 | 59<br>55 | 58<br>56 | 58<br>56 | 58<br>55 | 56<br>53 | 56<br>53 | 57<br>53 | 57<br>53 | 52<br>52 | 54<br>50 | 57<br>54 | 58<br>56 | 59.8<br>56.0 |              |  |  |
| 12 INCHES               | MAX<br>MIN | 65<br>63     | 65<br>64 | 65<br>62 | 60<br>60 | 61<br>58 | 62<br>59 | 62<br>60 | 63<br>60 | 63<br>61 | 63<br>62 | 63<br>62 | 64<br>62 | 64<br>62 | 64<br>62 | 58<br>56 | 58<br>56 | 58<br>56 | 58<br>57 | 59<br>57 | 59<br>57 | 59<br>57 | 58<br>57 | 57<br>55 | 56<br>55 | 56<br>54 | 57<br>55 | 57<br>55 | 55<br>53 | 54<br>52 | 54<br>52 | 56<br>54 | 59.9<br>58.0 |              |  |  |
| 16 INCHES               | MAX<br>MIN | 65<br>64     | 65<br>64 | 65<br>63 | 61<br>61 | 62<br>60 | 62<br>60 | 62<br>61 | 63<br>61 | 63<br>61 | 63<br>62 | 63<br>62 | 63<br>62 | 63<br>62 | 64<br>63 | 63<br>59 | 59<br>57 | 59<br>57 | 59<br>57 | 59<br>57 | 59<br>57 | 59<br>57 | 59<br>57 | 58<br>57 | 58<br>56 | 58<br>55 | 58<br>56 | 58<br>54 | 57<br>53 | 55<br>53 | 54<br>53 | 56<br>54 | 60.4<br>58.6 |              |  |  |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

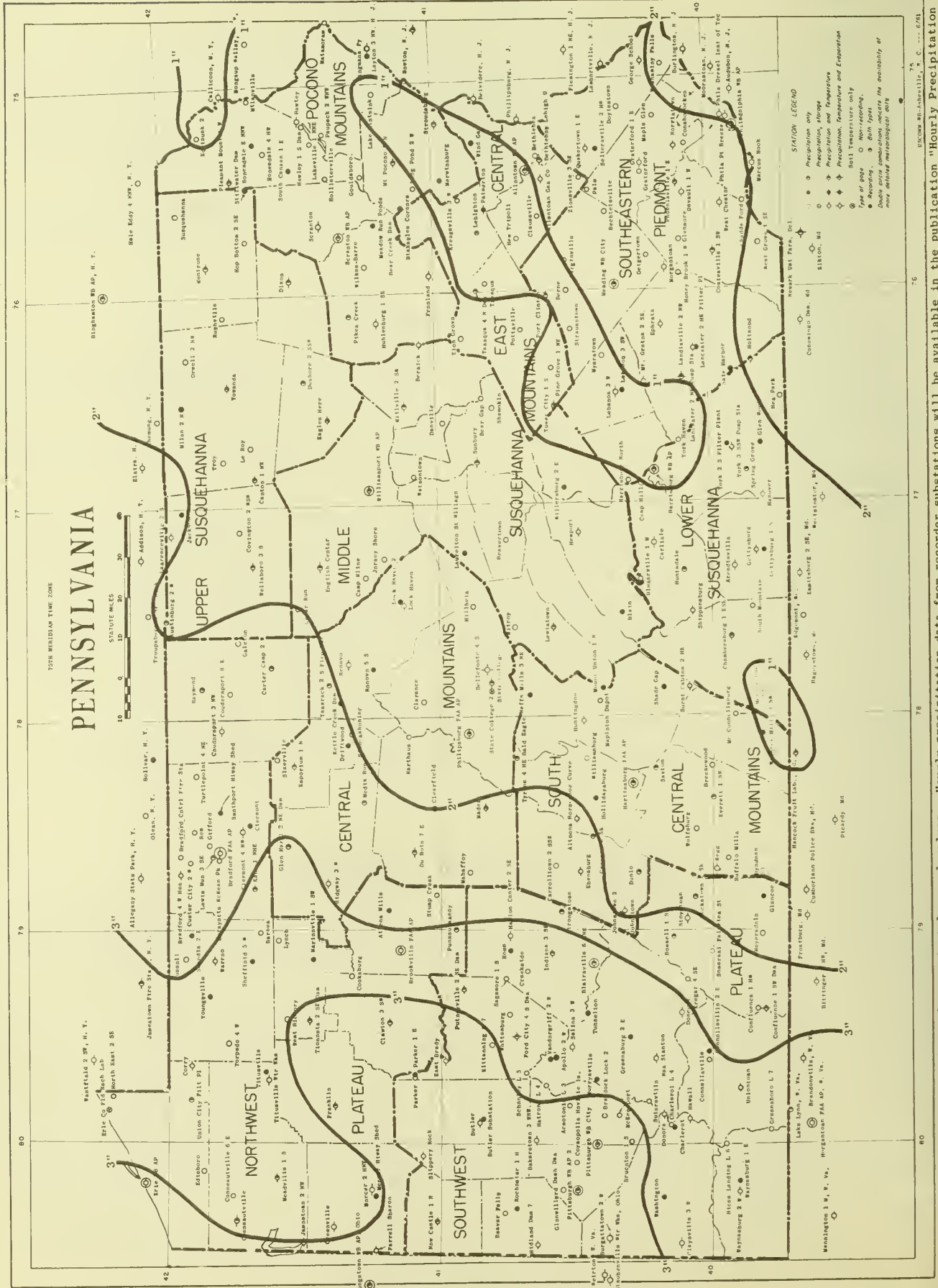
SNOWFALL AND SNOW ON GROUND

| Station                 | Day of month |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|-------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|                         | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |  |  |
| BRADFORD FAA AIRPORT    |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  | T  | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| CARROLLTOWN 2 SSE       |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| CORRY                   |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| DONEGAL                 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| ERIE WB AIRPORT         |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |    |    | T  | T  |    |    |  |  |
| MEADVILLE 1 S           |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |    |    | T  |    |    |  |  |
| MONTROSE                |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| PITTSBURGH WB AIRPORT 2 |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| PLEASANT MOUNT 1 W      |              |   |   |   |   |   |   |   |   |    |    |    |    |    |    | T  | T  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

See Reference Notes Following Station Index

# TOTAL PRECIPITATION

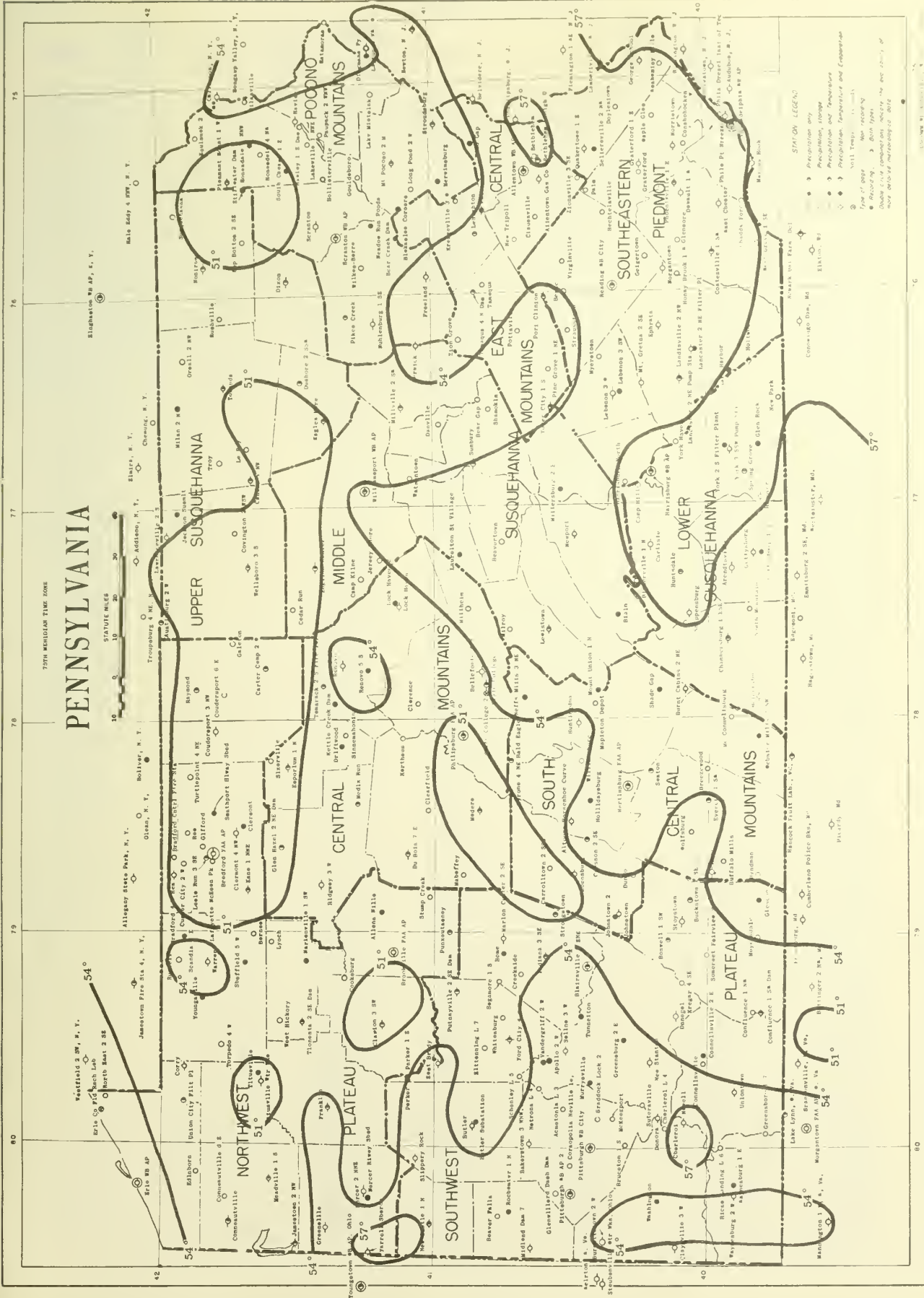
PENNSYLVANIA  
OCTOBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
OCTOBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.





# STATION INDEX

CONTINUED

PENNSYLVANIA  
OCTOBER 1961

| STATION                | INDEX NO. | COUNTY       | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       | OBSERVER                 | STATION               | INDEX NO. | COUNTY      | DRAINAGE | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |                         | OBSERVER |
|------------------------|-----------|--------------|----------|----------|-----------|-----------|-----------------------------|---------|-------|--------------------------|-----------------------|-----------|-------------|----------|----------|-----------|-----------|-----------------------------|---------|-------------------------|----------|
|                        |           |              |          |          |           |           | TEMP.                       | PRECIP. | EVAP. |                          |                       |           |             |          |          |           |           | TEMP.                       | PRECIP. | EVAP.                   |          |
| STATE COLLEGE          | 8449      | CENTRE       | 16       | 40 48    | 77 52     | 1175      | 7A                          | 7A      | C     | PA. STATE UNIVERSITY     | WEST GROVE 1 SE       | 9503      | CHESTER     | 5        | 39 48    | 75 48     | 450       | 8A                          |         | CONARD-PYLE CO.         |          |
| STATE COLLEGE 2        | 8452      | CENTRE       | 16       | 40 48    | 77 52     | 1180      |                             |         | C     | PA. STATE UNIVERSITY     | WEST HICKORY          | 9507      | FOREST      | 1        | 41 34    | 79 25     | 1090      | 8A                          |         | MRS. HELEN F. KINNLAN   |          |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 15       | 41 41    | 75 29     | 1645      |                             |         | C     | CORPS OF ENGINEERS       | WHITESBURG            | 9655      | ARMSTRONG   | 1        | 40 45    | 79 24     | 1510      | 7A                          |         | MRS. MARY G. MURKIN     |          |
| STOYSTOWN              | 8560      | SOMERSET     | 4        | 40 06    | 78 51     | 1800      | 9A                          | 9A      |       | VERNON MUNG              | WILKES-BARRE          | 9702      | LAZERNE     | 15       | 41 15    | 75 52     | 610       | 7A                          |         | MYRON E. BIDDLE         |          |
| STRAUSTOWN             | 8570      | BLAIR        | 14       | 40 29    | 76 11     | 600       | 8A                          |         |       | JACOB KLARR              | WILLIAMSBURG          | 9714      | BLAIR       | 6        | 40 28    | 78 12     | 860       | 7A                          |         |                         |          |
| STRONSTOWN             | 8589      | INDIANA      | 4        | 40 33    | 78 55     | 1880      |                             |         | C     | HARRY F. BENNETT         | WILLIAMSPORT WB AP    | 9728      | LYCOMING    | 16       | 41 15    | 76 55     | 527       | M10                         | M10     | U.S. WEATHER BUREAU     |          |
| STROUSSBURG            | 8596      | HUNTER       | 3        | 40 55    | 75 12     | 480       | 11P                         | 11P     | C     | WILLIAM HASKERTY         | WIND GAP              | 9781      | NORTHAMPTON | 5        | 40 51    | 79 18     | 765       |                             |         | MRS. MARY O. HOELZEL    |          |
| STUMP CREEK            | 8610      | JEFFERSON    | 1        | 41 01    | 78 50     | 1320      | 7A                          | 7A      |       | CORPS OF ENGINEERS       | WOLFSBURG             | 9823      | BEDFORD     | 6        | 40 03    | 78 32     | 1190      | 7A                          |         | WALTER C. RICE          |          |
| SUNBURY                | 8668      | NORTHUMBLAND | 15       | 40 52    | 76 47     | 480       | 7A                          | 7A      | C     | CHARLES W. BAYLER        | YORK 3 SW PUMP STA    | 9933      | YORK        | 15       | 39 55    | 76 45     | 390       | 5P                          | 5P      | YORK WATER COMPANY      |          |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15       | 41 57    | 75 36     | 1020      | 7A                          |         |       | MR. LAURA A. BENSON      | YORK 2 S FILTER PLANT | 9938      | YORK        | 15       | 39 56    | 76 44     | 640       |                             |         | YORK WATER COMPANY      |          |
| TAMAQUA                | 8758      | SCHUYLKILL   | 14       | 40 48    | 75 58     | 830       | 8A                          |         |       | MRS. MARY L. ROBERTS     | YORK HAVEN            | 9950      | YORK        | 15       | 40 07    | 76 43     | 310       | 8A                          |         | METROPOLITAN EDISON CO. |          |
| TAMAQUA 4 N DAM        | 8763      | SCHUYLKILL   | 14       | 40 51    | 75 59     | 1120      | 7A                          |         |       | PANTLER VALLEY MFR. CO.  | YOUNGSVILLE           | 9966      | WARREN      | 1        | 41 51    | 79 19     | 1225      |                             |         | HENRY CARLETT           |          |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16       | 41 24    | 77 51     | 2220      | 7A                          |         | C     | MRS. FRANCES SWARTZ      | ZION GROVE            | 9990      | SCHUYLKILL  | 15       | 40 54    | 76 13     | 940       | 7A                          |         | JAMES O. TEETER         |          |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1        | 41 29    | 79 26     | 1200      | 8A                          | 8A      | C     | CORPS OF ENGINEERS       | ZIONSVILLE 3 SE       | 9995      | LEHIGH      | 14       | 40 28    | 75 27     | 680       | 8A                          |         | LESLIE HOWATT           |          |
| TITUSVILLE             | 8885      | CRAWFORD     | 1        | 41 38    | 79 40     | 1550      |                             |         |       | PA. ELECTRIC CO.         |                       |           |             |          |          |           |           |                             |         |                         |          |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1        | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       | CITY OF TITUSVILLE       |                       |           |             |          |          |           |           |                             |         |                         |          |
| TORPEDO A W            | 8901      | WARREN       | 1        | 41 47    | 79 32     | 1735      | 7A                          |         |       | MRS. LILY B. GARBER      |                       |           |             |          |          |           |           |                             |         |                         |          |
| TOWANDA 1 ESC          | 8905      | BRADFORD     | 15       | 41 45    | 76 25     | 745       | 7P                          | 7A      | C     | LEVERN ROOT              |                       |           |             |          |          |           |           |                             |         |                         |          |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15       | 40 34    | 76 33     | 790       | 7A                          | 7A      | C     | JOHN MURRY, JR.          |                       |           |             |          |          |           |           |                             |         |                         |          |
| TROY                   | 8959      | BRADFORD     | 15       | 41 47    | 76 47     | 1100      | 7A                          |         |       | JENNIE L. BALLARD        |                       |           |             |          |          |           |           |                             |         |                         |          |
| TUNNELTON              | 8989      | INDIANA      | 4        | 40 27    | 79 23     | 890       |                             |         |       | MRS. MARY E. WEIHER      |                       |           |             |          |          |           |           |                             |         |                         |          |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1        | 41 54    | 78 16     | 1640      | 7A                          |         |       | ROBERT O. STRAIT         |                       |           |             |          |          |           |           |                             |         |                         |          |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6        | 40 43    | 78 12     | 1020      | 7A                          |         |       | FREDERICK L. FRIDAY      |                       |           |             |          |          |           |           |                             |         |                         |          |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1        | 41 55    | 79 48     | 1400      | 7A                          |         |       | HAROLD W. HAMMOND        |                       |           |             |          |          |           |           |                             |         |                         |          |
| UNIONTOWN              | 9050      | FAYETTE      | 10       | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       | W. W. MARSTELLER         |                       |           |             |          |          |           |           |                             |         |                         |          |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7        | 40 36    | 79 33     | 800       | 7A                          |         |       | UNITED ENG. + FNDRY. CO. |                       |           |             |          |          |           |           |                             |         |                         |          |
| VIRGINVILLE            | 9196      | BERKS        | 14       | 40 31    | 75 52     | 350       | 8A                          |         |       | MRS. MARY M. WRIGHT      |                       |           |             |          |          |           |           |                             |         |                         |          |
| WARREN                 | 9298      | WARREN       | 1        | 41 51    | 79 00     | 1260      | 7P                          | 7A      |       | GILBERT M. REIER         |                       |           |             |          |          |           |           |                             |         |                         |          |
| WASHINGTON             | 9312      | WASHINGTON   | 11       | 40 11    | 80 14     | 1200      |                             |         | C     | PA. DEPT. HIGHWAYS       |                       |           |             |          |          |           |           |                             |         |                         |          |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16       | 41 05    | 76 52     | 490       | 9P                          |         |       | WILLIAM BIRD             |                       |           |             |          |          |           |           |                             |         |                         |          |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10       | 39 54    | 80 13     | 980       | 6P                          | 7A      |       | SAMUEL B. GREENLEE       |                       |           |             |          |          |           |           |                             |         |                         |          |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10       | 39 54    | 80 10     | 940       |                             |         |       | SEWAGE DISPOSAL PLANT    |                       |           |             |          |          |           |           |                             |         |                         |          |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12       | 39 49    | 78 05     | 920       |                             |         |       | WILLIAM O. COVER         |                       |           |             |          |          |           |           |                             |         |                         |          |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16       | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       | MARION L. SHUMWAY        |                       |           |             |          |          |           |           |                             |         |                         |          |
| WEST CHESTER           | 9464      | CHESTER      | 5        | 39 58    | 75 36     | 440       | 8A                          | 8A      |       | DAILY LOCAL NEWS         |                       |           |             |          |          |           |           |                             |         |                         |          |

1-ALLEGHENY; 2-BEAVER; 3-CONEMAUGH; 4-DELAWARE; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHLIN

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as I2 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

NOVEMBER 1961  
Volume 66      No. 11



ASHEVILLE: 1962

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PENNSYLVANIA - NOVEMBER 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 88° on the 3rd at Claysville 3 W

Lowest Temperature: 10° on the 19+ at 3 stations

Greatest Total Precipitation: 6.30 inches at Lynch

Least Total Precipitation: 1.14 inches at Philipsburg FAA Airport

Greatest One-Day Precipitation: 1.95 inches on the 24th at Sagamore 1 S

Greatest Reported Total Snowfall: 19.5 inches at Corry

Greatest Reported Depth of Snow on Ground: 10 inches on the 9th at  
Clermont 4 NW

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
NOVEMBER 1961

| Station                 | Temperature        |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 | Precipitation |                                      |              |      |             |       |                        |             |             |             |              |
|-------------------------|--------------------|--------------------|---------|--------------------------------------|---------|------|--------|------|-------------|-----------------|-----------------|-----------------|-----------------|---------------|--------------------------------------|--------------|------|-------------|-------|------------------------|-------------|-------------|-------------|--------------|
|                         | Average<br>Maximum | Average<br>Minimum | Average | Departure<br>From Long<br>Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days     |                 |                 |                 | Total         | Departure<br>From Long<br>Term Means | Greatest Day | Date | Snow, Sleet |       |                        | No. of Days |             |             |              |
|                         |                    |                    |         |                                      |         |      |        |      |             | 90° or<br>Above | 32° or<br>Below | 32° or<br>Below | 32° or<br>Below |               |                                      |              |      | Total       | Total | Max Depth<br>on Ground | Date        | 1.0 or More | 5.0 or More | 1.00 or More |
|                         |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| POCONO MOUNTAINS        |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| FREELAND                | 48.1               | 33.9               | 41.0    | 2.3                                  | 66      | 3    | 20     | 28+  | 714         | 0               | 1               | 16              | 0               |               |                                      |              |      |             |       |                        |             |             |             |              |
| HAWLEY                  | 51.6               | 30.4               | 41.0    |                                      | 71      | 6    | 18     | 11   | 712         | 0               | 1               | 21              | 0               | 4.14          | .66                                  | .90          | 7    |             |       |                        |             |             |             |              |
| PLEASANT MOUNT 1 W      | 44.9               | 27.7               | 36.3    |                                      | 65      | 4    | 14     | 11   | 854         | 0               | 5               | 23              | 0               | 4.99          | .95                                  | .80          | 24   |             |       |                        |             |             |             |              |
| SCRANTON                | 50.5               | 32.1               | 41.3    |                                      | 71      | 4    | 19     | 11   | 701         | 0               | 0               | 21              | 0               | 4.01          |                                      | .70          | 7    |             |       |                        |             |             |             |              |
| SCRANTON WB AIRPORT     | 47.2               | 33.0               | 40.1    | -.6                                  | 70      | 3    | 19     | 11   | 743         | 0               | 2               | 19              | 0               | 3.57          | .36                                  | .91          | 24   |             |       |                        |             |             |             |              |
| STROUDSBURG             |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 50.0               | 31.9               | 41.0    | -.7                                  | 72      | 3    | 18     | 11   | 714         | 0               | 1               | 22              | 0               | 6.06          | 1.70                                 | 1.55         | 24   |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 40.1    | .8                                   |         |      |        |      |             |                 |                 |                 |                 | 4.55          | .74                                  |              |      |             |       |                        |             |             |             |              |
| EAST CENTRAL MOUNTAINS  |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| ALLENTOWN WB AP R       | 52.8               | 36.0               | 44.4    | 2.4                                  | 75      | 4+   | 24     | 19+  | 620         | 0               | 0               | 15              | 0               | 3.63          | .56                                  | 1.41         | 24   |             |       |                        |             |             |             |              |
| ALLENTOWN GAS CO        | 54.7               | 35.7               | 45.2    | 2.2                                  | 77      | 5    | 24     | 11   | 592         | 0               | 0               | 19              | 0               | 3.46          | -.02                                 | 1.00         | 24   |             |       |                        |             |             |             |              |
| BETHLEHEM LEHIGH UNIV   | 49.9               | 41.6               | 45.8    | 1.4                                  | 71      | 4    | 31     | 21+  | 575         | 0               | 0               | 3               | 0               | 2.67          | .77                                  | .77          | 24   |             |       |                        |             |             |             |              |
| PALMERTON               | 51.3               | 36.2               | 43.8    | 2.2                                  | 73      | 4    | 20     | 11   | 634         | 0               | 0               | 14              | 0               | 5.87          | 2.30                                 | 1.49         | 6    |             |       |                        |             |             |             |              |
| PORT CLINTON            | 53.9               | 30.3               | 42.1    | .3                                   | 75      | 6    | 11     | 11   | 682         | 0               | 0               | 21              | 0               | 4.36          | .57                                  | 1.20         | 24   |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 44.3    | 2.7                                  |         |      |        |      |             |                 |                 |                 |                 | 4.00          | .21                                  |              |      |             |       |                        |             |             |             |              |
| SOUTHEASTERN PIEDMONT   |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| COATESVILLE 1 SW        | 55.7               | 35.8               | 45.8    | 2.6                                  | 78      | 6+   | 20     | 11   | 584         | 0               | 0               | 17              | 0               | 2.90          | -.70                                 | 1.30         | 24   |             |       |                        |             |             |             |              |
| DEVAULT 1 W             | 54.2               | 34.3               | 44.3    |                                      | 77      | 5    | 22     | 12+  | 621         | 0               | 0               | 16              | 0               | 2.41          |                                      | .83          | 24   |             |       |                        |             |             |             |              |
| EPHRATA                 | 54.2               | 37.9               | 46.1    | 1.7                                  | 76      | 4    | 24     | 11   | 566         | 0               | 0               | 13              | 0               | 3.44          | .09                                  | 1.20         | 7    |             |       |                        |             |             |             |              |
| GEORGE SCHOOL           | 55.3               | 34.8               | 45.1    | .7                                   | 79      | 6    | 21     | 11   | 594         | 0               | 0               | 20              | 0               | 2.30          | -.77                                 | .47          | 15   |             |       |                        |             |             |             |              |
| GRATERFORD 1 E          | 54.6               | 34.2               | 44.4    |                                      | 75      | 6+   | 18     | 11   | 617         | 0               | 0               | 20              | 0               | 2.15          |                                      | .67          | 24   |             |       |                        |             |             |             |              |
| HOLTWOOD                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 54.3               | 39.4               | 46.9    | 1.6                                  | 76      | 5+   | 29     | 11+  | 547         | 0               | 0               | 8               | 0               | 2.02          | -.88                                 | .82          | 24   |             |       |                        |             |             |             |              |
| LANCASTER 2NE PUMP STA  | 54.9               | 35.2               | 45.1    | 2.2                                  | 78      | 4    | 18     | 11   | 600         | 0               | 0               | 17              | 0               | 3.25          | .04                                  | 1.09         | 7    |             |       |                        |             |             |             |              |
| LANDISVILLE 2 NW        | 53.6               | 35.7               | 44.7    |                                      | 77      | 5    | 21     | 11   | 613         | 0               | 0               | 17              | 0               | 3.80          |                                      | 1.17         | 24   |             |       |                        |             |             |             |              |
| LEBANON 3 W             | 52.9               | 36.5               | 44.7    | 1.8                                  | 75      | 5    | 26     | 28+  | 608         | 0               | 0               | 13              | 0               | 3.76          | .37                                  | 1.02         | 24   |             |       |                        |             |             |             |              |
| MARCUS HOOK             | 56.3               | 41.7               | 49.0    | .6                                   | 80      | 5    | 29     | 28   | 486         | 0               | 0               | 5               | 0               | 2.71          | -.78                                 | .65          | 24   |             |       |                        |             |             |             |              |
| MORGANTOWN              |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 53.5               | 36.3               | 44.9    |                                      | 76      | 4    | 20     | 11   | 602         | 0               | 0               | 12              | 0               | 2.72          |                                      | 1.07         | 24   |             |       |                        |             |             |             |              |
| MT GREINA 2 SE          | 53.9               | 34.3               | 44.1    |                                      | 75      | 6+   | 21     | 11   | 628         | 0               | 0               | 18              | 0               | 4.60          |                                      | 1.05         | 5    |             |       |                        |             |             |             |              |
| NORRISTOWN              | 56.7               | 38.8               | 47.8    |                                      | 81      | 5    | 25     | 11   | 523         | 0               | 0               | 10              | 0               | 2.72          |                                      | 1.00         | 24   |             |       |                        |             |             |             |              |
| PHIL DREXEL INST OF TEC | 55.9               | 41.7               | 48.8    |                                      | 80      | 5    | 29     | 28   | 489         | 0               | 0               | 6               | 0               | 1.97          |                                      | .54          | 24   |             |       |                        |             |             |             |              |
| PHILADELPHIA WB AP R    | 54.6               | 35.8               | 45.2    | -.7                                  | 80      | 5    | 21     | 11   | 593         | 0               | 0               | 16              | 0               | 2.04          | -1.04                                | .56          | 24   |             |       |                        |             |             |             |              |
| PHILADELPHIA PT BREEZE  |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 56.8M              | 43.9M              | 50.4M   | 2.7                                  | 80      | 5    | 32     | 28+  | 455         | 0               | 0               | 2               | 0               | 1.88          | -1.48                                | .53          | 24   |             |       |                        |             |             |             |              |
| PHOENIXVILLE 1 E        | 56.4               | 36.8               | 46.6    | 1.5                                  | 79      | 5    | 21     | 11   | 552         | 0               | 0               | 16              | 0               | 2.33          | -1.44                                | .97          | 24   |             |       |                        |             |             |             |              |
| QUAKERTOWN 1 E          |                    |                    |         |                                      | 75      | 3    |        |      |             |                 |                 |                 |                 | 2.98          | -.81                                 | 1.03         | 24   |             |       |                        |             |             |             |              |
| READING WB CITY R       | 54.2               | 40.0               | 47.1    | 1.7                                  | 77      | 4    | 27     | 11   | 540         | 0               | 0               | 6               | 0               | 3.19          | .14                                  | .97          | 24   |             |       |                        |             |             |             |              |
| WEST CHESTER            | 57.2               | 35.7               | 46.5    | 1.4                                  | 80      | 6    | 23     | 12   | 553         | 0               | 0               | 14              | 0               | 2.26          | -1.70                                | .72          | 24   |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 46.2    | 1.6                                  |         |      |        |      |             |                 |                 |                 |                 | 2.77          | -.74                                 |              |      |             |       |                        |             |             |             |              |
| LOWER SUSQUEHANNA       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| ARENDTSTVILLE           | 53.8               | 35.5               | 44.7    | 2.3                                  | 74      | 4    | 22     | 11   | 604         | 0               | 0               | 15              | 0               | 4.06          | .66                                  | .91          | 24   |             |       |                        |             |             |             |              |
| BLOSERVILLE 1 N         | 54.0               | 36.2               | 45.1    |                                      | 75      | 6    | 22     | 11   | 589         | 0               | 0               | 15              | 0               | 2.88          | -.82                                 | .90          | 24   |             |       |                        |             |             |             |              |
| CARLISLE                | 53.6               | 39.2               | 46.4    | 3.0                                  | 73      | 5+   | 24     | 11   | 555         | 0               | 0               | 9               | 0               | 3.15          | -.23                                 | .79          | 24   |             |       |                        |             |             |             |              |
| CHAMBERSBURG 1 ESE      | 53.0               | 35.9               | 44.5    | 1.4                                  | 76      | 3    | 20     | 11   | 609         | 0               | 0               | 13              | 0               | 2.83          | -.43                                 | .90          | 24   |             |       |                        |             |             |             |              |
| GETTYSBURG              | 54.3               | 38.2               | 46.3    | 1.7                                  | 76      | 5    | 23     | 11   | 563         | 0               | 0               | 12              | 0               | 3.53          | .14                                  | .99          | 24   |             |       |                        |             |             |             |              |
| HANOVER                 |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 55.9               | 37.7               | 46.8    | 2.0                                  | 78      | 5    | 25     | 11   | 555         | 0               | 0               | 13              | 0               | 3.15          | -.01                                 | .92          | 6    |             |       |                        |             |             |             |              |
| HARRISBURG WB AP R      | 54.1               | 37.9               | 46.0    | 2.0                                  | 76      | 3    | 24     | 11   | 569         | 0               | 0               | 11              | 0               | 3.56          | .83                                  | .82          | 6    |             |       |                        |             |             |             |              |
| MERCERSBURG             | 54.1               | 37.4               | 45.8    |                                      | 76      | 6    | 19     | 11   | 573         | 0               | 0               | 11              | 0               | 2.64          | -.48                                 | 1.12         | 24   |             |       |                        |             |             |             |              |
| SHIPPENSBURG            | 54.2               | 37.7               | 46.0    |                                      | 76      | 3    | 22     | 11   | 566         | 0               | 0               | 11              | 0               | 2.65          |                                      | .88          | 24   |             |       |                        |             |             |             |              |
| YORK 3 SSW PUMP STA     | 55.6               | 37.6               | 46.6    | 2.3                                  | 79      | 4    | 21     | 11   | 554         | 0               | 0               | 14              | 0               | 3.56          | .33                                  | 1.18         | 6    |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 45.8    | 2.2                                  |         |      |        |      |             |                 |                 |                 |                 | 3.20          | -.09                                 |              |      |             |       |                        |             |             |             |              |
| MIDDLE SUSQUEHANNA      |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| BERWICK                 | 52.0               | 35.5               | 43.8    |                                      | 75      | 3    | 20     | 11   | 631         | 0               | 0               | 16              | 0               | 3.91          |                                      | 1.21         | 14   |             |       |                        |             |             |             |              |
| ENGLISH CENTER          | 50.9M              | 29.3M              | 40.1M   |                                      | 70      | 4    | 16     | 11   | 740         | 0               | 0               | 22              | 0               | 2.74          |                                      | .95          | 24   |             |       |                        |             |             |             |              |
| LEWISTOWN               | 53.1               | 38.3               | 44.7    |                                      | 76      | 4    | 23     | 11   | 603         | 0               | 0               | 14              | 0               | 3.85          |                                      | 1.13         | 5    |             |       |                        |             |             |             |              |
| HILLVILLE 2 SW          | 49.6               | 31.4               | 40.5    |                                      | 73      | 4    | 18     | 12+  | 728         | 0               | 0               | 21              | 0               | 3.89          |                                      | .76          | 14   |             |       |                        |             |             |             |              |
| NEWPORT                 | 52.4               | 34.8               | 43.6    |                                      | 73      | 4    | 20     | 11   | 634         | 0               | 0               | 18              | 0               | 3.20          | -.28                                 | .94          | 24   |             |       |                        |             |             |             |              |
| SUNBURY                 |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 52.8               | 34.0               | 43.4    |                                      | 74      | 4    | 19     | 11   | 642         | 0               | 0               | 17              | 0               | 3.37          | -.10                                 | .77          | 24   |             |       |                        |             |             |             |              |
| TOWER CITY 1 S          | 51.4               | 34.2               | 42.8    |                                      | 70      | 4    | 20     | 28+  | 660         | 0               | 0               | 18              | 0               | 4.08          |                                      | 1.10         | 24   |             |       |                        |             |             |             |              |
| WILLIAMSPORT WB AP      | 50.1               | 35.0               | 42.6    | .9                                   | 72      | 3    | 22     | 11   | 666         | 0               | 0               | 13              | 0               | 3.65          | .39                                  | .86          | 14   |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 42.7    | 1.0                                  |         |      |        |      |             |                 |                 |                 |                 | 3.59          | .20                                  |              |      |             |       |                        |             |             |             |              |
| UPPER SUSQUEHANNA       |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
| AUSTINBURG 2 W          | 48.2               | 30.5               | 39.4    |                                      | 68      | 4    | 13     | 11   | 761         | 0               | 1               | 19              | 0               | 1.77          |                                      | .80          | 24   |             |       |                        |             |             |             |              |
| CANTON 1 NW             | 46.2               | 31.4               | 38.8    |                                      | 67      | 4    | 20     | 29+  | 778         | 0               | 1               | 19              | 0               | 2.51          |                                      | .57          | 24   |             |       |                        |             |             |             |              |
| DIXON                   | 49.7               | 30.4               | 40.1    |                                      | 71      | 4    | 17     | 12+  | 742         | 0               | 1               | 19              | 0               | 3.62          |                                      | .51          | 24   |             |       |                        |             |             |             |              |
| EAGLES MERE             | 44.9               | 30.6               | 37.8    |                                      | 64      | 4    | 17     | 29   | 810         | 0               | 2               | 18              | 0               | 4.05          |                                      | .84          | 5    |             |       |                        |             |             |             |              |
| LAWRENCEVILLE 2 S       | 48.8               | 31.7               | 40.3    | 1.0                                  | 70      | 3    | 16     | 11   | 735         | 0               | 1               | 19              | 0               | 2.04          | -.43                                 | .69          | 24   |             |       |                        |             |             |             |              |
| MONTROSE                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         | 45.4               | 29.9               | 37.7    |                                      | 66      | 4    | 17     | 11   | 811         | 0               | 4               | 21              | 0               | 3.82          |                                      | .63          | 25   |             |       |                        |             |             |             |              |
| TOWANDA 1 ESE           | 49.5               | 32.1               | 40.8    | .3                                   | 72      | 3    | 12     | 11   | 722         | 0               | 0               | 17              | 0               | 2.40          | -.25                                 | .38          | 24   |             |       |                        |             |             |             |              |
| WELLSBORO 3 S           | 45.2               | 30.3               | 37.8    |                                      | 65      | 4    | 17     | 11   | 810         | 0               | 1               | 20              | 0               | 2.36          |                                      | .73          | 24   |             |       |                        |             |             |             |              |
| DIVISION                |                    |                    |         |                                      |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |
|                         |                    |                    | 39.1    | .6                                   |         |      |        |      |             |                 |                 |                 |                 |               |                                      |              |      |             |       |                        |             |             |             |              |

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
NOVEMBER 1961

CONTINUED

| Station                        | Temperature     |                 |         |                                |         |      |        |      |             |              |              |              | Precipitation |       |                                |              |      |             |                      |      |             |             |              |
|--------------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|--------------|---------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|-------------|-------------|--------------|
|                                | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |              |               | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No. of Days |             |              |
|                                |                 |                 |         |                                |         |      |        |      |             | 93° or Above | 37° or Below | 37° or Below | 0° or Below   |       |                                |              |      | Total       | Max. Depth on Ground | Date | .10 or More | .50 or More | 1.00 or More |
|                                |                 |                 |         |                                |         |      |        |      |             |              |              |              |               |       |                                |              |      |             |                      |      |             |             |              |
| <b>CENTRAL MOUNTAINS</b>       |                 |                 |         |                                |         |      |        |      |             |              |              |              |               |       |                                |              |      |             |                      |      |             |             |              |
| BELLEFONTE 4 S                 | 50.7            | 33.1            | 41.9    |                                | 74      | 4    | 18     | 11   | 687         | 0            | 0            | 17           | 0             | 2.99  |                                | 1.02         | 24   | 2.0         | 2                    | 20   | 7           | 3           | 1            |
| DU BOIS 7 E                    | 47.7            | 32.1            | 39.9    |                                | 73      | 3    | 17     | 22   | 746         | 0            | 0            | 18           | 0             | 3.82  |                                | 1.45         | 24   | 5.0         | 1                    | 21+  | 6           | 3           | 1            |
| EMPORIUM 1 N                   | 46.8            | 28.1            | 37.5    |                                | 70      | 4    | 14     | 11   | 817         | 0            | 2            | 23           | 0             | 3.18  |                                | 1.43         | 24   | 2.5         | 1                    | 21+  | 4           | 2           | 1            |
| LOCK HAVEN                     | 51.0            | 32.5            | 41.8    | .1                             | 74      | 4    | 19     | 11   | 691         | 0            | 0            | 19           | 0             | 3.09  | .07                            | .92          | 24   | 1.5         | 2                    | 20   | 7           | 3           | 0            |
| MADERA                         | 49.6M           | 31.7M           | 40.7M   |                                | 73      | 4    | 17     | 11   | 724         | 0            | 0            |              | 0             | 3.38  |                                | 1.35         | 24   | 3.0         | 3                    | 20   | 7           | 2           | 1            |
| PHILIRSBURG FAA AP             | 45.8            | 30.5            | 38.2    |                                | 67      | 4    | 18     | 11   | 799         | 0            | 3            | 20           | 0             | 1.14  |                                | .30          | 23   |             |                      |      | 4           | 0           | 0            |
| RENOVO                         | 51.3            | 31.7            | 41.5    |                                | 75      | 4    | 19     | 12+  | 700         | 0            | 0            | 21           | 0             | 2.73  | .44                            | .98          | 24   | .5          | 1                    | 20   | 6           | 1           | 0            |
| RIDGWAY 3 W                    | 48.2            | 31.3            | 39.8    | 2.2                            | 75      | 3    | 13     | 11   | 748         | 0            | 0            | 19           | 0             | 3.75  | .67                            | 1.32         | 24   | 6.5         | 1                    | 28+  | 9           | 3           | 1            |
| STATE COLLEGE                  | 48.8            | 34.6            | 41.7    | .8                             | 74      | 4    | 24     | 11   | 695         | 0            | 1            | 16           | 0             | 3.27  | .13                            | 1.00         | 24   | 2.5         | 2                    | 20   | 8           | 2           | 1            |
| DIVISION                       |                 |                 | 40.3    |                                | 1.2     |      |        |      |             |              |              |              |               | 3.04  | .14                            |              |      | 2.9         |                      |      |             |             |              |
| <b>SOUTH CENTRAL MOUNTAINS</b> |                 |                 |         |                                |         |      |        |      |             |              |              |              |               |       |                                |              |      |             |                      |      |             |             |              |
| ALTOONA HORSESHOE CURVE        | 49.6            | 33.9            | 41.8    | 1.3                            | 73      | 3    | 19     | 22   | 692         | 0            | 0            | 16           | 0             | 3.28  | .20                            | 1.37         | 24   | 1.9         | 1                    | 20   | 7           | 2           | 1            |
| BURNT CABINS 2 NE              | 54.4M           | 36.8M           | 45.6M   |                                | 73      | 3    | 18     | 11   | 575         | 0            | 0            | 14           | 0             | 2.88  |                                | 1.00         | 24   |             |                      |      | 8           | 1           | 1            |
| ERENSBURG                      | 48.6            | 31.0            | 39.8    | 1.2                            | 73      | 3    | 16     | 22   | 750         | 0            | 4            | 19           | 0             | 3.72  | .50                            | 1.70         | 24   | 3.5         | 2                    | 20   | 9           | 2           | 1            |
| EVERETT 1 SW                   | 50.4            | 32.5            | 41.5    |                                | 70      | 4    | 20     | 21+  | 698         | 0            | 0            | 18           | 0             | 3.15  |                                | 1.50         | 24   | 1.0         | 0                    |      | 6           | 3           | 1            |
| HUNTINGDON                     | 51.8            | 34.1            | 43.0    | 1.4                            | 76      | 4    | 18     | 11   | 657         | 0            | 1            | 17           | 0             | 3.03  | .05                            | 1.13         | 24   | 2.0         | 0                    |      | 8           | 2           | 1            |
| JOHNSTOWN                      | 46.7            | 35.8            | 41.3    | -1.1                           | 70      | 4    | 23     | 22   | 705         | 0            | 4            | 13           | 0             | 3.63  | .80                            | 1.40         | 24   | 3.4         | 3                    | 20   | 8           | 3           | 1            |
| KEGG                           | 51.8            | 33.0            | 42.4    |                                | 68      | 5    | 19     | 11   | 669         | 0            | 0            | 18           | 0             | 2.68  |                                | .90          | 23   | T           | 0                    |      | 0           | 0           | 0            |
| MARTINSBURG FAA AR             | 50.5            | 36.1            | 43.3    |                                | 76      | 3    | 23     | 22+  | 645         | 0            | 0            | 13           | 0             | 2.97  |                                | 1.09         | 23   | 1           | 1                    | 20   | 5           | 2           | 1            |
| DIVISION                       |                 |                 | 42.3    |                                | 1.4     |      |        |      |             |              |              |              |               | 3.17  | .22                            |              |      | 2.0         |                      |      |             |             |              |
| <b>SOUTHWEST PLATEAU</b>       |                 |                 |         |                                |         |      |        |      |             |              |              |              |               |       |                                |              |      |             |                      |      |             |             |              |
| BAKERSTOWN 3 WNW               | 52.7            | 34.8            | 43.8    |                                | 82      | 3    | 21     | 30+  | 639         | 0            | 0            | 15           | 0             | 4.37  |                                | 1.26         | 24   | 3.5         | 1                    | 20   | 7           | 3           | 2            |
| BLAIRSVILLE 6 ENE              | 47.3            | 33.9            | 40.6    |                                | 74      | 3    | 21     | 28   | 724         | 0            | 4            | 16           | 0             | 4.84  |                                | 1.15         | 24   | 6.0         | 3                    | 20   | 7           | 4           | 1            |
| BURGETTSTOWN 2 W               | 51.0            | 29.9            | 40.5    |                                | 83      | 4    | 17     | 23+  | 729         | 0            | 0            | 18           | 0             | 3.31  |                                | 1.39         | 24   | T           | 0                    |      | 6           | 2           | 1            |
| BUTLER                         | 50.6M           | 31.1M           | 40.9M   | .7                             | 83      | 4    | 19     | 23+  | 710         | 0            | 0            |              | 0             | 3.82  | .97                            | 1.45         | 24   |             |                      |      | 6           | 3           | 2            |
| CLAYSVILLE 3 W                 | 54.2            | 32.6            | 43.4    | 1.9                            | 88      | 3    | 15     | 22   | 647         | 0            | 0            | 15           | 0             | 3.24  | .55                            | 1.58         | 24   | .5          | T                    | 29+  | 7           | 2           | 1            |
| CONFLUENCE 1 SW DAM            | 50.9            | 33.3            | 42.1    |                                | 79      | 4    | 22     | 22+  | 681         | 0            | 1            | 17           | 0             | 3.16  |                                | 1.19         | 24   | 2.5         | 2                    | 20   | 6           | 3           | 1            |
| DONEGAL                        | 50.6            | 32.1            | 41.4    |                                | 80      | 3    | 14     | 22   | 706         | 0            | 2            | 15           | 0             | 3.28  |                                | .77          | 14   |             |                      |      | 6           | 3           | 0            |
| DONORA                         | 56.2            | 30.5            | 43.4    | -1.8                           | 85      | 3    | 16     | 22   | 647         | 0            | 0            | 16           | 0             | 3.59  | 1.14                           | .95          | 24   | .1          | T                    | 20   | 8           | 4           | 0            |
| FORD CITY 4 S DAM              | 50.9            | 32.5            | 41.7    |                                | 83      | 4    | 19     | 22   | 690         | 0            | 0            | 19           | 0             | 3.89  |                                | 1.70         | 24   | 1.0         | 1                    | 20   | 6           | 3           | 1            |
| INDIANA 3 SE                   | 51.2            | 33.7            | 42.5    |                                | 81      | 3    | 18     | 22   | 672         | 0            | 0            | 17           | 0             | 4.18  |                                | 1.74         | 24   | 2.3         | 1                    | 20   | 8           | 3           | 1            |
| MARION CENTER 2 SE             | 47.6            | 33.5            | 40.6    |                                | 78      | 3    | 21     | 29+  | 727         | 0            | 2            | 15           | 0             | 4.56  |                                | 1.91         | 24   | 6.2         | 3                    | 21+  | 7           | 3           | 1            |
| NEW CASTLE 1 N                 | 53.1            | 34.9            | 44.0    | 2.3                            | 83      | 3    | 21     | 11   | 632         | 0            | 0            | 14           | 0             | 4.04  | 1.36                           | 1.48         | 24   | 2.6         | T                    | 20+  | 7           | 3           | 1            |
| NEWELL                         | 54.5            | 37.6            | 46.1    |                                | 85      | 4    | 24     | 30   | 569         | 0            | 0            | 12           | 0             | 3.38  |                                | 1.50         | 24   |             |                      |      | 8           | 1           | 1            |
| NEW STANTON                    | 53.1            | 34.4            | 43.8    |                                | 85      | 3    | 19     | 22   | 637         | 0            | 0            | 16           | 0             | 3.43  |                                | 1.20         | 23   | T           | 0                    |      | 7           | 2           | 1            |
| RITTSBURGH WB AR 2 //R         | 50.3            | 35.2            | 42.8    | 1.8                            | 82      | 3    | 23     | 22   | 666         | 0            | 0            | 15           | 0             | 3.41  | .82                            | 1.33         | 23   | 2.2         | 1                    | 28   | 5           | 3           | 1            |
| PITTSBURGH WB CITY R           | 52.5            | 38.2            | 45.4    | .8                             | 83      | 3    | 26     | 22   | 587         | 0            | 0            | 10           | 0             | 3.33  | .72                            | 1.27         | 23   | 2.8         | 0                    |      | 6           | 3           | 1            |
| PUTNEYVILLE 2 SE DAM           | 49.2            | 28.0            | 38.6    |                                | 78      | 4    | 15     | 22   | 787         | 0            | 0            | 19           | 0             | 4.09  |                                | 1.72         | 24   | 2.5         |                      |      | 6           | 3           | 1            |
| SALINA 3 W                     | 51.7            | 33.9            | 42.8    |                                | 82      | 3    | 17     | 28   | 665         | 0            | 0            | 16           | 0             | 3.25  |                                | .80          | 24   | T           | T                    | 28   | 7           | 4           | 0            |
| SLIPPERY ROCK                  | 50.8            | 34.3            | 42.6    |                                | 81      | 3    | 21     | 28   | 672         | 0            | 1            | 16           | 0             | 3.42  |                                | 1.05         | 24   | 1.0         | 1                    | 29   | 8           | 3           | 1            |
| STOYSTOWN                      | 48.2            | 32.1            | 40.2    |                                | 75      | 4    | 17     | 22   | 738         | 0            | 3            | 16           | 0             | 3.97  |                                | 1.23         | 24   | 3.0         | 2                    | 20   | 8           | 2           | 2            |
| UNIONTOWN                      | 54.3            | 36.1            | 45.2    | .9                             | 84      | 3    | 20     | 22   | 596         | 0            | 0            | 14           | 0             | 3.45  | .61                            | .68          | 16   | .4          | T                    | 20   | 7           | 4           | 0            |
| WAYNESBURG 2 W                 | 54.7            | 32.7            | 43.7    | 1.1                            | 84      | 3    | 16     | 22   | 635         | 0            | 0            | 16           | 0             | 3.63  | 1.12                           | 1.73         | 24   | T           | T                    | 29+  | 6           | 2           | 1            |
| DIVISION                       |                 |                 | 42.6    |                                | .9      |      |        |      |             |              |              |              |               | 3.71  | .95                            |              |      | 1.9         |                      |      |             |             |              |
| <b>NORTHWEST PLATEAU</b>       |                 |                 |         |                                |         |      |        |      |             |              |              |              |               |       |                                |              |      |             |                      |      |             |             |              |
| BRADFORD FAA AIRPORT           | 44.7            | 30.2            | 37.5    |                                | 72      | 3    | 15     | 11   | 817         | 0            | 6            | 19           | 0             | 3.55  |                                | .90          | 16   | 6.7         | 2                    | 22+  | 11          | 2           | 0            |
| BRADFORD 4 W RES               | 47.2            | 28.4            | 37.8    |                                | 73      | 3    | 10     | 11   | 811         | 0            | 2            | 23           | 0             | 4.11  |                                | 1.07         | 24   | 11.2        | 5                    | 9    | 9           | 2           | 1            |
| BROOKVILLE FAA AIRPORT         | 47.5            | 31.3            | 39.4    |                                | 78      | 3    | 18     | 11   | 763         | 0            | 1            | 20           | 0             | 4.06  |                                | 1.22         | 23   | 2.5         | 2                    | 21+  | 5           | 3           | 1            |
| CLARION 3 SW                   | 42.0            | 27.8            | 34.9    |                                | 73      | 3    | 14     | 29+  | 895         | 0            | 9            | 20           | 0             | 4.39  |                                | 1.76         | 24   | 3.0         | 3                    | 20   | 6           | 3           | 2            |
| CLERMONT 4 NW                  | 48.2            | 29.9            | 39.1    |                                | 72      | 3    | 10     | 19+  | 776         | 0            | 1            | 21           | 0             | 3.81  |                                | 1.30         | 24   | 15.0        | 10                   | 19   | 9           | 2           | 1            |
| CONNEAUTVILLE                  | 48.5            | 31.8            | 40.2    |                                | 80      | 4    | 19     | 22   | 738         | 0            | 1            | 18           | 0             | 3.47  |                                | 1.18         | 17   | 1.0         | 0                    |      | 7           | 2           | 2            |
| CORRY                          | 47.8            | 30.9            | 39.4    | .6                             | 77      | 3    | 13     | 10   | 763         | 0            | 2            | 19           | 0             | 4.46  | .52                            | 1.17         | 16   | 19.5        | 8                    | 9    | 9           | 3           | 1            |
| COUDERSPORT 3 NW               | 44.6            | 26.8            | 35.7    |                                | 67      | 3    | 10     | 11   | 872         | 0            | 7            | 24           | 0             | 3.10  |                                | 1.12         | 24   | 8.6         | 4                    | 10   | 8           | 1           | 1            |
| EAST BRADY                     | 53.1            | 34.9            | 44.0    |                                | 85      | 3    | 21     | 11   | 624         | 0            | 0            | 15           | 0             | 3.97  |                                | 1.27         | 24   | 0           | 0                    |      | 6           | 3           | 2            |
| ERIE WB AIRPORT                | 50.0            | 36.4            | 43.2    | 2.2                            | 80      | 3    | 27     | 11+  | 648         | 0            | 0            | 12           | 0             | 2.22  | 1.04                           | .85          | 16   | .8          | T                    | 9    | 5           | 2           | 0            |
| FARRELL SHARON                 | 52.3            | 37.8            | 45.1    | 3.0                            | 80      | 3    | 26     | 22   | 599         | 0            | 0            | 10           | 0             | 4.00  | 1.45                           | 1.08         | 23   | 0           |                      |      | 7           | 4           | 2            |
| FRANKLIN                       | 50.1            | 33.8            | 42.0    | 2.1                            | 81      | 3    | 20     | 11   | 689         | 0            | 0            | 16           | 0             | 3.86  | .77                            | 1.38         | 24   | 2.0         | 1                    | 20+  | 6           | 3           | 1            |
| GREENVILLE                     | 51.1            | 33.6            | 42.4    | 1.9                            | 81      | 3    | 20     | 25+  | 678         | 0            | 1            | 17           | 0             | 2.97  | .18                            | 1.25         | 16   | 4.5         | 1                    | 8    | 7           | 2           | 1            |
| JAMESTOWN 2 NW                 | 48.8            | 30.2            | 39.5    |                                | 80      | 4    | 19     | 22+  | 758         | 0            | 1            | 20           | 0             | 3.23  | .44                            | 1.19         | 24   | 2.8         | 1                    | 20+  | 6           | 2           | 1            |
| KANE 1 NNE                     | 46.1            | 27.0            | 36.6    |                                | 74      | 4    | 11     | 11   | 847         | 0            | 3            | 22           | 0             | 4.20  |                                | 1.50         | 24   | 11.7        | 5                    | 18+  | 8           | 2           | 1            |
| MERCER 2 NNE                   | 51.0            | 30.8            | 40.9    |                                | 81      | 3    | 19     | 22+  | 718         | 0            | 0            | 18           | 0             | 4.01  |                                | 1.70         | 24   | T           | 0                    |      | 5           | 3           | 2            |
| TIONESTA 2 SE DAM              | 47.9            | 30.1            | 39.0    |                                | 79      | 4    | 18     | 11   | 774         | 0            | 1            | 19           | 0             | 4.06  |                                | 1.67         | 24   | 6.5         | 2                    | 9    | 6           | 2           | 2            |
| TITUSVILLE WATER WORKS         | 45.7            | 28.1            | 36.9    |                                | 75      | 3    | 13     | 10   | 833         | 0            | 6            | 21           | 0             | 3.93  |                                | 1.28         | 16   | 7.0         | 3                    | 9+   | 8           | 3           | 1            |
| WARREN                         | 49.2            | 32.3            | 40.8    | .8                             | 77      | 3    | 18     | 11   | 722         | 0            | 1            | 19           | 0             | 3.68  | .10                            | 1.54         | 24   | 7.6         | 4                    | 10   | 7           | 2           | 1            |
| DIVISION                       |                 |                 | 39.7    |                                | .3      |      |        |      |             |              |              |              |               | 3.74  | .49                            |              |      | 6.5         |                      |      |             |             |              |

See Reference Notes Following Station Index

# DAILY PRECIPITATION

PENNSYLVANIA  
NOVEMBER 1961

| Station                 | Total | Day of Month |     |     |     |      |      |     |      |     |     |     |     |     |      |      |        |      |     |     |     |      |      |      |      |      |     |      |     |     |     |    |
|-------------------------|-------|--------------|-----|-----|-----|------|------|-----|------|-----|-----|-----|-----|-----|------|------|--------|------|-----|-----|-----|------|------|------|------|------|-----|------|-----|-----|-----|----|
|                         |       | 1            | 2   | 3   | 4   | 5    | 6    | 7   | 8    | 9   | 10  | 11  | 12  | 13  | 14   | 15   | 16     | 17   | 18  | 19  | 20  | 21   | 22   | 23   | 24   | 25   | 26  | 27   | 28  | 29  | 30  | 31 |
| ACOMETONIA LOCK 3       | 3.96  |              |     |     | .15 | T    | .11  |     | .39  |     |     | .04 |     |     | .01  | .06  | .45    | .36  |     | .70 | .01 | .10  | .01  | .02  |      | 1.30 |     | .01  | .03 | T   |     |    |
| AILENTOWN WB AP         | 3.65  |              |     |     | .05 | T    | .56  | .39 |      |     |     |     | T   |     | .01  | .09  | .49    |      | .43 | T   |     | .25  |      |      |      | 1.44 |     |      |     |     |     |    |
| ALLENTOWN GAS CO        | 3.46  |              |     |     | .03 | .02  | .03  | .97 |      |     |     |     |     |     | .03  | .09  | .42    | .42  |     |     |     | .18  | .05  |      |      | 1.00 | .28 |      |     |     |     |    |
| ALTOONA HORSESHOE CURVE | 3.28  |              |     |     | .11 | .29  | .03  |     |      | .03 | .03 |     |     |     | .01  | .34  | .66    | .08  |     |     |     | .17  |      |      | 1.76 | 1.37 |     |      |     |     |     |    |
| AREMOTSVILLE            | 4.06  |              | .02 |     | .04 | .04  | .78  | .84 |      |     |     |     |     |     | .05  | .03  | .25    |      | .82 |     |     | .28  | T    |      | .91  |      |     |      |     |     |     |    |
| AUSTINBURG 2 W          | 1.77  |              |     |     | .25 | .08  | .04  |     |      |     | .14 | .07 | T   |     |      | .10  | T      |      | .27 | T   |     | .06  | T    |      | .80  |      |     |      |     |     | T   |    |
| BAKERSTOWN 3 WNW        | 4.37  |              |     |     | .22 | .03  | .02  |     |      | .03 | .02 |     |     | .06 | .02  | .91  | .01    | 1.16 |     | .09 | .02 | .13  | .04  | .23  | 1.26 |      |     | .01  | .11 |     |     |    |
| BARNES                  | 5.34  |              |     |     | .60 | .06  |      |     |      | .33 | .09 | T   |     | .12 | .40  | .05  | 1.12   | .60  | .14 |     | .16 | .05  |      | 1.49 |      | .04  |     | .03  | .05 | .01 |     |    |
| BEAR CREEK DAM          | 4.49  |              |     |     | .10 | .11  | .23  | .90 | T    |     | .13 | .14 |     |     | .12  | .52  | .55    |      | .56 |     |     | .15  | .06  |      | .57  | .47  |     |      |     |     |     |    |
| BEAR GAP                | 03.73 |              |     |     | .15 | .05  | .34  | .43 | 0.10 | .08 |     |     |     |     | .20  | .81  |        | .22  | .32 |     |     | .30  |      |      | .70  |      |     |      |     |     |     |    |
| BEAVER FALLS            | 3.37  |              |     |     | .16 | .02  | .03  | T   |      | .01 |     |     | .02 | .07 | .47  | .26  | T      | .59  | T   |     | .12 | .04  | T    | 1.56 | T    |      |     | T    | T   |     |     |    |
| BEAVERTOWN              | 3.41  |              | .02 |     | .25 | .32  | .30  | .13 | .01  | .01 |     |     |     | .35 | .23  |      | .77    |      |     | .18 | .01 |      | .89  |      |      |      |     | .01  | T   |     |     |    |
| BECHTELSONE             | 3.41  |              |     |     |     | .67  |      |     |      |     | T   |     |     | .04 | .25  | .23  |        | .55  |     |     | .25 | .05  |      | .95  | .42  |      |     |      |     |     |     |    |
| BELLEFRONTE 4 S         | 2.99  |              |     |     | .03 | .28  | .32  | .01 |      |     | T   |     |     |     | .60  | .12  |        | .50  | T   | T   | .10 | .01  |      | 1.02 |      |      |     |      |     |     |     |    |
| BERNE                   | 4.27  |              |     |     |     | .71  | 1.20 |     |      |     |     |     | .02 | .12 | .24  |      | .62    |      |     | .15 | .03 |      | .98  | .20  |      |      |     |      |     |     |     |    |
| BERWICK                 | 3.91  |              |     |     | .14 | .11  | .30  | .25 |      | .02 | .02 | T   |     |     | 1.21 | .03  | .40    | .27  | .04 |     |     | .25  |      | .87  |      |      |     | T    |     |     |     |    |
| BETHLEHEM               | 2.81  |              |     |     |     | T    |      | .75 | T    |     |     |     |     | .02 | .07  | .29  |        | .49  | .36 |     | .19 | .05  |      | .53  | .55  |      |     | T    |     |     |     |    |
| BETHLEHEM LEHIGH UNIV   | 2.47  |              |     |     | .01 | T    |      | .32 | T    |     |     |     | .04 |     | .29  |      | .49    | .36  |     |     | .35 | .09  |      | .77  |      |      |     |      |     |     |     |    |
| BLAIRSTOWN 6 ENE        | 4.84  |              |     |     | .19 | .33  | .09  | .01 | .08  | .06 |     |     | .04 | .09 | .01  | .72  |        | .65  | .04 |     | .03 | .35  | T    | .91  | 1.15 |      |     | .05  | .07 | .01 |     |    |
| BLOSSERSVILLE 1 N       | 2.88  |              | .02 |     | .01 | .06  | .25  | .22 | T    |     |     |     |     |     | .11  | .30  |        | .80  |     |     |     | .20  | T    | .90  |      |      |     |      |     |     |     |    |
| BOSWELL 1 SW            | 3.76  |              |     |     | .15 | .28  | .10  | .01 |      | .12 | T   |     |     | .08 | .15  | .28  |        | .60  | .05 | T   | .18 | .02  | T    | 1.67 |      | .06  |     |      | T   | .01 | T   |    |
| BRAOOCK LOCK 2          | 3.16  |              |     |     | .17 | .04  | .15  | .02 | T    |     |     |     | .02 | .05 | .23  | .32  |        | .61  | .04 |     | .11 | .01  |      | 1.35 |      |      |     | .04  | T   |     |     |    |
| BRADFORD FAA AIRPORT    | 3.55  | T            |     | .21 |     | .08  | T    |     | .11  | .25 | T   |     | .06 | .02 | .38  |      | .90    | .24  | .14 | T   | .15 | T    |      | .52  | .29  |      |     | .19  | T   |     |     |    |
| BRADFORD CNTRL FIRE STA | 3.64  |              |     |     | .38 |      |      |     |      | .36 | .08 | T   |     | .06 | .05  | .40  | .03    |      | .85 | .08 | .04 | .16  | T    | 1.18 |      | .01  |     | .01  | T   |     |     |    |
| BRADFORD 4 W RES        | 4.11  |              |     |     | .39 |      |      |     | .12  | .31 | .07 |     | .06 |     | .49  |      | .70    | .18  | .38 |     | .26 | .02  | T    | 1.07 |      |      |     | .04  | .02 | T   |     |    |
| BREEZEWOOD              | 2.71  |              |     |     | .10 | *    | .37  |     |      | .06 | .03 | T   | .17 |     | .34  |      | .36    |      | .03 | T   | .07 | .49  | T    | .92  | .41  |      |     |      | .04 |     |     |    |
| BROOKVILLE FAA AIRPORT  | 4.06  |              | .02 |     | .24 | .07  | .43  | .01 | .06  | .03 | T   |     | .05 | .89 | T    | .77  | .03    | T    | .72 | .03 | T   |      | 1.22 | .45  |      |      |     | .02  | T   |     |     |    |
| BRUCESTON 1 S           | 3.17  |              |     |     | *   | *    |      | .43 | .01  |     | .05 | T   |     | .04 | .24  | .29  | .02    | .54  |     |     | .14 | .02  |      | 1.36 |      |      |     | .02  | .01 | T   |     |    |
| BUFFALO MILLS           | 2.54  |              |     |     | T   | .20  | .10  | .06 | T    |     |     |     |     | .01 | .08  | .23  |        | .58  |     |     | .05 |      |      | 1.23 |      |      |     |      |     |     |     |    |
| BURGETTSTOWN 2 W        | 3.31  |              |     |     | .23 | .01  | .03  | .01 |      | .01 |     |     | .02 | .17 | .37  | .25  |        | .05  | .69 | T   | T   | .08  | T    | 1.39 |      |      |     |      |     | T   |     |    |
| BURNT CABINS 2 NE       | 02.88 |              |     |     | .28 | .20  | .15  |     |      |     |     |     |     | .38 |      |      | .40    | .12  |     |     |     | .435 |      | 1.00 |      |      |     |      |     |     |     |    |
| BUTLER                  | 3.02  |              |     |     | .19 | T    |      |     |      | .02 |     |     |     | .06 | .60  | .19  | T      | 1.13 |     |     | .14 | .01  | T    | 1.45 |      |      |     | .03  | T   |     |     |    |
| CAMP HILL               | 4.04  |              | T   |     | T   | 1.73 |      |     |      | .07 |     |     | T   | .03 | .62  | .03  | .53    |      |     |     | .27 |      | .83  |      |      |      |     |      |     |     |     |    |
| CAMP KLINE              | 2.62  |              |     |     | T   | .10  | .34  |     |      | .07 |     |     |     | .02 | .47  | .12  |        | .55  | T   | T   | .05 | T    | .80  |      | .10  |      |     |      |     |     |     |    |
| CANTON 1 NW             | 2.91  |              |     |     | .20 | .48  | .12  | .05 | T    |     | .13 | .10 | T   |     | .23  | .25  |        | .31  |     |     | .07 | T    | .57  |      |      |      |     |      | T   |     |     |    |
| CARLISLE                | 3.15  |              | .01 |     | .07 | .58  | .02  |     |      |     |     |     |     | .05 | .35  | .05  | .60    | .05  |     |     |     | .25  | .20  |      | .79  |      |     |      | T   | .01 |     |    |
| CARROLLTOWN 2 SSE       | 3.93  |              |     |     | .33 | .16  | .09  | .05 |      | .02 | .07 | .01 |     | .05 | .32  | .20  |        | .72  | .03 | T   | T   | .20  | .09  | 1.71 |      | .01  |     |      | T   |     |     |    |
| CARTER CAMP 2 W         | 2.94  |              |     |     | .18 | .10  | .11  | T   |      | .10 | .07 |     |     |     | .30  | .05  |        | .72  | .03 |     |     | .20  | .09  | 1.11 |      |      |     |      |     |     |     |    |
| CEDAR RUN               | 3.24  |              | .02 |     | .50 | .40  | .08  | .03 |      | .08 | .03 |     |     | .02 | .15  | .14  |        | .75  | .01 | .05 | .10 | .12  | T    | .70  |      | .05  |     | .01  | T   |     |     |    |
| CHAOS FORD              | 2.27  |              |     |     |     |      | .43  |     |      |     |     |     |     | .05 |      | .30  |        | .23  |     |     | .35 |      |      | .82  |      |      |     |      | .03 |     |     |    |
| CHAMBERSBURG 1 ESE      | 2.83  |              |     |     | .04 | .06  | .24  | .10 |      |     |     | .02 |     |     | .45  |      | .68    |      |     | T   | .32 |      |      | .90  |      |      |     | .02  |     |     |     |    |
| CHARLEROI LOCK 4        | 3.30  |              |     |     | .11 | .03  | .33  | T   |      |     |     | .01 | .07 | .14 | .37  |      | .63    |      |     |     | .08 | .03  |      | 1.49 |      |      |     | .07  | T   |     |     |    |
| CLARENCE 1 E            | 2.97  |              | T   |     | .08 | .23  | .20  | .05 |      | .05 | .02 |     | .07 | .40 | .28  | T    | .55    | T    |     | .10 | .03 |      | .98  |      |      |      |     |      |     |     |     |    |
| CLARTON 3 SW            | 4.39  |              |     |     | .20 | .03  | .07  | .04 |      | .04 | .02 |     | .02 | .08 | .18  | .29  | T      | 1.02 | .07 |     |     |      | 1.76 |      |      |      |     |      |     |     |     |    |
| CLAUSSVILLE             | 4.12  |              |     |     | .02 | .30  | 1.24 |     |      |     |     |     |     | .18 | .29  |      | .45    |      |     |     |     | .20  | .05  | 1.14 | .25  |      |     |      |     |     |     |    |
| CLAYSVILLE 3 W          | 3.24  |              |     |     | .21 | .03  | .11  | .02 | T    |     |     | .04 | .05 | .29 | .22  | .01  | .54    | T    |     |     | .11 | .03  |      | 1.56 |      |      |     |      | T   |     |     |    |
| CLEARFIELD              | 3.67  |              |     |     | .25 | .18  | .05  | .05 |      | .05 | .02 |     | .04 | .05 | .29  | .22  | .01    | .54  | T   |     | .11 | .03  |      | 1.28 |      | .03  |     | T    |     | .02 |     |    |
| CLERMONT 4 NW           | 3.81  |              | T   |     | .28 | .06  | T    |     |      | .18 | .20 |     |     | .06 | .32  | .02  | .86    | .20  | .06 | .12 | .10 | T    | 1.30 |      |      |      |     |      | .04 | .01 |     |    |
| COATESVILLE 1 SW DAM    | 2.90  |              |     |     | T   | .18  | .24  | .07 | .34  |     |     |     | .12 | .10 | .42  | T    | .25    |      |     |     | .29 | .05  | 1.30 |      | .03  |      |     |      |     |     |     |    |
| CONFLUENCE 1 SW DAM     | 3.16  |              | T   |     | .18 | .24  | .07  | .02 | .01  |     |     |     | .02 | .07 | .60  |      | .53    | .02  |     |     | .18 | .02  | .01  | 1.19 |      |      |     | T    | T   | T   |     |    |
| CONFLUENCE 1 NW         | 3.62  |              |     |     | .19 | .27  | .08  | .01 |      | .07 | .06 |     | .03 | .04 | .09  | .64  | .56    | T    |     | .19 | .01 | .03  |      | 1.42 |      |      |     |      | T   | T   |     |    |
| CONNEAUTVILLE           | 3.47  |              |     |     | .20 | .20  |      |     | .07  | .17 |     |     |     | .08 | .31  | T    | .14    | 1.18 | .20 | T   | .05 | T    | 1.07 |      |      |      |     |      | T   |     |     |    |
| CONNEAUTVILLE 6 E       | 3.87  |              |     |     | .10 |      |      | .02 |      | .25 |     |     |     | T   | .12  |      | 1.38   | .18  | T   |     | .05 | T    | 1.47 |      |      |      |     |      |     |     |     |    |
| CONNELLVILLE            | 3.00  |              |     |     | .10 | .36  | .02  | T   |      |     |     | .01 | .01 | .08 | .33  |      | .78    |      |     |     | .05 | .18  |      | 1.04 |      |      |     | .01  | T   |     | .03 |    |
| CONSMOCKEN              | 2.72  |              |     |     | .20 | .02  |      | .45 |      |     |     |     | T   | .06 | .03  | .34  |        | .28  |     |     | .49 |      | 1.05 |      |      |      |     |      | T   |     |     |    |
| COOKS                   | 4.13  |              | T   |     | *   | *    | .23  |     | T    | .05 | .05 |     |     | .05 | .65  | .02  | * 1.00 |      |     |     | .20 | .05  |      | *    |      |      |     | 1.79 | .02 | .02 |     |    |
| CORAOPOLIS NEVILLE 1S   | 3.61  |              |     |     | *   | *    | .32  |     |      |     |     |     |     | .15 | .74  | *    | *      |      | *   | *   | *   | *    | *    | *    |      |      |     | 2.40 |     |     |     |    |
| CORRY                   | 4.46  |              |     |     | .25 |      |      |     | .32  | .55 | .02 | .05 | .01 | .36 |      | 1.17 | .19    | .38  |     | .03 |     | .42  | .67  |      |      |      | .04 | T    |     |     |     |    |
| COUDERSPORT 3 NW        | 3.10  | T            |     |     | .35 | .05  | T    |     | .40  | .11 |     |     |     | .25 | .02  |      | .36    | .16  | T   | T   | .04 |      | .22  |      | .22  |      | .02 | T    |     |     |     |    |
| COUDERSPORT 6 E         | 3.82  |              |     |     | .48 | .06  | .02  |     | .31  |     |     |     |     | .06 | .07  |      |        |      | .28 |     | .08 | .05  |      | 1.17 | .03  |      | .02 |      |     |     |     |    |
| COVINGTON 2 WSW         | 1.31  |              |     |     | .05 | .25  | .05  | .07 | .03  | T   |     |     |     | .06 | .04  |      | .12    |      |     |     | .04 |      | .60  |      |      |      |     |      |     |     |     |    |
| CREEKSIDE               | 3.89  |              |     |     | .10 | T    | .21  |     |      | T   |     |     |     | .11 | .56  | .32  |        | .62  |     |     | .22 | T    | 1.75 |      |      |      |     |      |     |     |     |    |





# DAILY PRECIPITATION

PENNSYLVANIA  
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Continued

| Station             | Total | Day of Month |   |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |     |    |    |      |     |     |    |     |     |    |  |
|---------------------|-------|--------------|---|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|----|----|------|-----|-----|----|-----|-----|----|--|
|                     |       | 1            | 2 | 3   | 4   | 5   | 6    | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18 | 19 | 20 | 21  | 22  | 23 | 24 | 25   | 26  | 27  | 28 | 29  | 30  | 31 |  |
| WILKES BARRE        | 3.43  |              |   |     | T   | .23 | .26  | .72 |     | T   | .09 |     |     | T   | .36 | .47 |     | .50 | T  |    |    | .12 | .08 | T  |    | .28  | .42 |     |    | T   | T   |    |  |
| WILLIAMSBURG        | 2.96  |              |   |     | .21 | .47 | .29  | .15 |     | .13 | T   | .03 |     | .07 | .23 | .09 |     | .37 | T  |    |    | .09 | T   |    |    | .83  | T   |     |    | T   | T   |    |  |
| WILLIAMSPORT WB AP  | 3.65  | T            | T | .04 | .47 | .40 | .03  | .07 | T   | .03 | T   |     |     | .02 | .86 |     | .62 |     | T  |    |    | .21 | T   |    |    | .06  | .82 |     |    | .02 | T   | T  |  |
| WOLFSBURG           | 3.18  |              |   |     | T   | .02 | .20  | .11 | .04 |     | .01 |     |     | T   | .14 | .36 |     | .84 |    |    |    | .05 |     |    |    | 1.41 | T   |     |    |     |     |    |  |
| YORK 3 SSW PUMP STA | 3.56  |              |   |     | T   |     | 1.18 | .66 |     |     |     |     | .03 | .04 | .38 | .02 | .22 | .10 |    |    |    | .27 |     |    |    | .66  |     |     | T  |     |     |    |  |
| YORK HAVEN          | 3.26  |              |   |     | T   |     | .58  | .69 |     |     |     |     |     | .02 | .09 | .18 | .01 | .47 |    |    |    |     |     |    |    | .23  | .02 |     |    | .95 | .01 |    |  |
| ZION GROVE          | 3.50  |              |   |     |     | .10 | .16  | .65 |     |     |     |     |     | .08 | .49 | .43 | .60 |     |    |    |    |     |     |    |    | .14  | .04 | .10 |    | .51 | .40 |    |  |
| ZIONSVILLE 3 SE     | 3.22  |              |   |     | .12 | .04 | T    | .66 |     |     |     |     |     | .05 | .06 | .44 | .53 |     |    |    |    |     |     |    |    | .25  | .06 |     |    | .80 | .21 |    |  |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |   | Wind speed m p h |              |                           |                      | Relative humidity averages percent |            |            |            | Number of days with precipitation |       |       |       |         |              | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---|------------------|--------------|---------------------------|----------------------|------------------------------------|------------|------------|------------|-----------------------------------|-------|-------|-------|---------|--------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from time from prevailing | Average          | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                         | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | 01-09 | 10-49 | 50-99 | 100-199 | 200 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | W              | 17  | 11.3             | 38++         | NW                        | 27                   | 78                                 | 82         | 59         | 71         | 7                                 | 2     | 4     | 1     | 1       | 0            | 15                           | -                                   | 6.6   |
| ERIE WB AIRPORT         | SSE            | 15  | 14.4             | 33           | SSE                       | 3                    | 72                                 | 74         | 65         | 69         | 2                                 | 9     | 3     | 2     | 0       | 0            | 16                           | -                                   | 8.2   |
| HARRISBURG WB AIRPORT   | NW             | 21  | 9.6              | 31           | NW                        | 24                   | 74                                 | 75         | 59         | 68         | 4                                 | 4     | 5     | 3     | 0       | 0            | 16                           | 40                                  | 7.2   |
| PHILADELPHIA WB AIRPORT | NW             | 16  | 9.2              | 31           | NW                        | 24                   | 76                                 | 81         | 55         | 68         | 3                                 | 3     | 4     | 1     | 0       | 0            | 11                           | 68                                  | 6.6   |
| PITTSBURGH WB AIRPORT 2 | WNW            | 12  | 9.0              | 29++         | W                         | 17                   | 76                                 | 82         | 68         | 70         | 8                                 | 9     | 2     | 2     | 1       | 0            | 22                           | 45                                  | 8.0   |
| READING WB CITY         | NW             | -   | 12.4             | 45           | E                         | 24                   | -                                  | -          | -          | -          | 4                                 | 3     | 3     | 3     | 0       | 0            | 13                           | 49                                  | 6.6   |
| SCRANTON WB AIRPORT     | NW             | 15  | 7.5              | 28           | NW                        | 28                   | 79                                 | 83         | 68         | 72         | 9                                 | 4     | 5     | 3     | 0       | 0            | 21                           | 29                                  | 7.8   |
| WILLIAMSPORT WB AIRPORT | W              | 16  | 8.3              | 27++         | WNW                       | 28                   | 76                                 | 80         | 62         | 70         | 8                                 | 7     | 3     | 3     | 0       | 0            | 21                           | -                                   | 7.4   |

See reference notes following Station Index.

DAILY TEMPERATURES

PENNSYLVANIA  
NOVEMBER 1961

Table with columns for Station, Day Of Month (1-31), MAX, MIN, and Average. Lists various Pennsylvania locations and their daily temperature ranges for November 1961.

See Reference Notes Following Station Index

# DAILY TEMPERATURES

PENNSYLVANIA  
NOVEMBER 1961

Continued

| Station                | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                        | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| EPRATA                 | MAX          | 63 | 60 | 75 | 76 | 72 | 71 | 62 | 51 | 46 | 43 | 51 | 57 | 58 | 61 | 60 | 52 | 53 | 46 | 42 | 36 | 43 | 46 | 52 | 51 | 55 | 60 | 51 | 41 | 45 | 46 | 54.2    |
|                        | MIN          | 39 | 34 | 52 | 61 | 62 | 56 | 45 | 34 | 30 | 27 | 24 | 32 | 48 | 54 | 45 | 36 | 44 | 32 | 25 | 30 | 32 | 28 | 35 | 46 | 35 | 30 | 38 | 25 | 26 | 31 | 37.9    |
| ERIE WB AIRPORT        | MAX          | 55 | 67 | 80 | 50 | 57 | 48 | 47 | 43 | 39 | 37 | 57 | 58 | 64 | 60 | 48 | 61 | 49 | 36 | 37 | 39 | 41 | 46 | 49 | 48 | 50 | 62 | 53 | 35 | 41 | 41 | 50.0    |
|                        | MIN          | 35 | 39 | 49 | 38 | 43 | 41 | 39 | 32 | 32 | 27 | 27 | 49 | 53 | 39 | 33 | 43 | 37 | 32 | 29 | 33 | 30 | 28 | 42 | 41 | 32 | 46 | 29 | 29 | 31 | 35 | 36.4    |
| EVERETT 1 SW           | MAX          | 63 | 60 | 60 | 70 | 63 | 58 | 56 | 42 | 39 | 40 | 44 | 54 | 66 | 60 | 59 | 56 | 45 | 43 | 35 | 38 | 41 | 48 | 49 | 46 | 52 | 54 | 53 | 35 | 36 | 48 | 50.4    |
|                        | MIN          | 34 | 37 | 40 | 57 | 58 | 48 | 39 | 28 | 29 | 22 | 20 | 23 | 36 | 49 | 42 | 41 | 30 | 24 | 26 | 26 | 20 | 22 | 31 | 36 | 26 | 24 | 26 | 27 | 29 | 21 | 32.5    |
| FARRELL SHARON         | MAX          | 54 | 70 | 80 | 63 | 64 | 52 | 52 | 42 | 45 | 46 | 65 | 59 | 61 | 58 | 47 | 63 | 57 | 39 | 37 | 37 | 42 | 49 | 48 | 48 | 56 | 60 | 53 | 33 | 39 | 49 | 52.3    |
|                        | MIN          | 46 | 46 | 62 | 42 | 52 | 44 | 36 | 32 | 33 | 32 | 28 | 46 | 44 | 46 | 33 | 40 | 41 | 31 | 27 | 33 | 35 | 26 | 44 | 39 | 31 | 39 | 32 | 30 | 33 | 30 | 37.8    |
| FORO CITY 4 S OAM      | MAX          | 65 | 56 | 70 | 83 | 55 | 57 | 50 | 48 | 41 | 41 | 43 | 58 | 56 | 59 | 59 | 52 | 60 | 44 | 41 | 40 | 34 | 40 | 48 | 51 | 42 | 51 | 61 | 48 | 35 | 38 | 50.9    |
|                        | MIN          | 48 | 32 | 40 | 48 | 48 | 46 | 32 | 31 | 28 | 26 | 20 | 21 | 36 | 40 | 44 | 38 | 41 | 28 | 26 | 26 | 31 | 19 | 21 | 41 | 27 | 28 | 30 | 28 | 26 | 26 | 32.5    |
| FRANKLIN               | MAX          | 64 | 62 | 81 | 53 | 62 | 50 | 48 | 40 | 37 | 43 | 58 | 56 | 61 | 63 | 48 | 60 | 58 | 41 | 37 | 36 | 40 | 46 | 42 | 42 | 50 | 62 | 52 | 33 | 37 | 42 | 50.1    |
|                        | MIN          | 51 | 47 | 58 | 43 | 43 | 41 | 32 | 32 | 29 | 23 | 20 | 33 | 35 | 48 | 34 | 38 | 36 | 26 | 22 | 32 | 30 | 22 | 34 | 33 | 27 | 31 | 30 | 27 | 26 | 30 | 33.8    |
| FREELANO               | MAX          | 61 | 54 | 66 | 64 | 65 | 63 | 49 | 45 | 36 | 34 | 47 | 56 | 51 | 56 | 56 | 50 | 50 | 43 | 39 | 35 | 32 | 41 | 42 | 44 | 48 | 57 | 47 | 38 | 35 | 39 | 46.1    |
|                        | MIN          | 43 | 31 | 45 | 58 | 58 | 45 | 41 | 30 | 26 | 20 | 21 | 35 | 40 | 30 | 34 | 34 | 38 | 30 | 21 | 28 | 28 | 28 | 30 | 37 | 37 | 32 | 31 | 20 | 21 | 25 | 33.9    |
| GEORGE SCHOOL          | MAX          | 74 | 63 | 61 | 75 | 74 | 79 | 64 | 55 | 55 | 44 | 43 | 57 | 63 | 62 | 62 | 58 | 55 | 56 | 45 | 46 | 37 | 44 | 46 | 54 | 54 | 46 | 59 | 47 | 39 | 42 | 55.3    |
|                        | MIN          | 47 | 30 | 37 | 54 | 61 | 53 | 50 | 31 | 30 | 29 | 21 | 23 | 44 | 50 | 42 | 31 | 38 | 31 | 23 | 29 | 29 | 29 | 29 | 30 | 29 | 28 | 32 | 27 | 30 | 28 | 34.8    |
| GETTYSBURG             | MAX          | 74 | 65 | 62 | 73 | 76 | 74 | 60 | 52 | 47 | 43 | 46 | 52 | 52 | 61 | 60 | 59 | 56 | 51 | 43 | 41 | 38 | 45 | 48 | 50 | 50 | 55 | 59 | 55 | 39 | 42 | 54.3    |
|                        | MIN          | 52 | 35 | 45 | 57 | 63 | 57 | 46 | 36 | 33 | 32 | 23 | 27 | 40 | 47 | 47 | 43 | 48 | 34 | 23 | 30 | 31 | 27 | 32 | 34 | 36 | 31 | 43 | 29 | 30 | 32 | 38.2    |
| GRATERFORD 1 E         | MAX          | 74 | 62 | 60 | 75 | 75 | 75 | 63 | 55 | 50 | 44 | 42 | 50 | 60 | 59 | 60 | 59 | 55 | 55 | 46 | 40 | 36 | 41 | 48 | 55 | 52 | 53 | 60 | 56 | 38 | 41 | 54.6    |
|                        | MIN          | 45 | 30 | 30 | 55 | 62 | 59 | 50 | 30 | 30 | 28 | 18 | 21 | 28 | 28 | 51 | 46 | 30 | 35 | 23 | 23 | 31 | 31 | 29 | 32 | 38 | 29 | 30 | 26 | 25 | 27 | 34.2    |
| GREENVILLE             | MAX          | 55 | 67 | 81 | 62 | 63 | 49 | 48 | 39 | 41 | 45 | 62 | 60 | 62 | 59 | 47 | 61 | 56 | 40 | 36 | 35 | 38 | 46 | 49 | 47 | 53 | 62 | 54 | 32 | 38 | 45 | 51.1    |
|                        | MIN          | 45 | 32 | 60 | 40 | 42 | 39 | 31 | 31 | 28 | 24 | 21 | 37 | 41 | 46 | 30 | 43 | 37 | 28 | 20 | 31 | 32 | 20 | 40 | 39 | 20 | 35 | 32 | 28 | 28 | 29 | 33.6    |
| HANOVER                | MAX          | 75 | 66 | 65 | 76 | 78 | 74 | 67 | 54 | 50 | 43 | 47 | 53 | 52 | 62 | 62 | 59 | 56 | 56 | 46 | 43 | 39 | 46 | 50 | 52 | 52 | 55 | 62 | 52 | 40 | 44 | 55.9    |
|                        | MIN          | 48 | 36 | 37 | 63 | 64 | 66 | 45 | 34 | 31 | 28 | 25 | 26 | 40 | 48 | 48 | 42 | 47 | 33 | 27 | 31 | 31 | 26 | 26 | 38 | 33 | 32 | 41 | 28 | 29 | 29 | 37.7    |
| HARRISBURG WB AP       | MAX          | 66 | 62 | 76 | 73 | 75 | 63 | 54 | 50 | 45 | 46 | 54 | 54 | 57 | 60 | 57 | 57 | 56 | 44 | 39 | 38 | 46 | 45 | 51 | 52 | 54 | 62 | 54 | 41 | 44 | 48 | 54.1    |
|                        | MIN          | 39 | 35 | 53 | 64 | 62 | 53 | 35 | 35 | 35 | 27 | 24 | 31 | 45 | 52 | 37 | 40 | 43 | 34 | 30 | 32 | 36 | 30 | 33 | 45 | 32 | 30 | 34 | 30 | 31 | 31 | 37.9    |
| HAWLEY                 | MAX          | 69 | 54 | 57 | 70 | 70 | 71 | 54 | 53 | 46 | 43 | 37 | 51 | 63 | 65 | 61 | 59 | 52 | 53 | 42 | 47 | 35 | 40 | 48 | 45 | 45 | 52 | 58 | 44 | 30 | 35 | 51.6    |
|                        | MIN          | 40 | 23 | 25 | 53 | 55 | 53 | 46 | 25 | 26 | 26 | 18 | 19 | 24 | 41 | 40 | 25 | 26 | 32 | 24 | 23 | 28 | 27 | 28 | 33 | 35 | 23 | 24 | 23 | 25 | 25 | 30.4    |
| HOLTWOOD               | MAX          | 65 | 61 | 73 | 76 | 76 | 65 | 55 | 50 | 46 | 45 | 53 | 57 | 58 | 62 | 58 | 57 | 58 | 45 | 43 | 40 | 44 | 46 | 52 | 52 | 52 | 62 | 52 | 40 | 42 | 46 | 54.3    |
|                        | MIN          | 44 | 37 | 49 | 63 | 63 | 54 | 40 | 35 | 32 | 29 | 29 | 36 | 47 | 53 | 43 | 42 | 40 | 34 | 31 | 30 | 32 | 34 | 36 | 45 | 37 | 36 | 35 | 30 | 32 | 34 | 39.4    |
| HUNTINGDON             | MAX          | 68 | 68 | 62 | 76 | 62 | 64 | 57 | 47 | 40 | 40 | 44 | 53 | 50 | 58 | 61 | 57 | 56 | 44 | 42 | 45 | 38 | 44 | 45 | 50 | 48 | 53 | 58 | 51 | 32 | 41 | 51.8    |
|                        | MIN          | 52 | 32 | 32 | 59 | 58 | 47 | 37 | 30 | 33 | 29 | 18 | 20 | 33 | 32 | 45 | 40 | 44 | 35 | 25 | 31 | 31 | 23 | 22 | 31 | 34 | 27 | 36 | 29 | 29 | 29 | 34.1    |
| INDIANA 3 SE           | MAX          | 50 | 68 | 81 | 72 | 58 | 55 | 47 | 40 | 39 | 43 | 57 | 53 | 65 | 59 | 53 | 60 | 58 | 40 | 41 | 34 | 39 | 49 | 51 | 46 | 50 | 61 | 47 | 35 | 37 | 41 | 51.2    |
|                        | MIN          | 46 | 32 | 56 | 53 | 53 | 46 | 31 | 25 | 28 | 23 | 19 | 31 | 35 | 51 | 46 | 37 | 39 | 27 | 24 | 32 | 31 | 18 | 36 | 37 | 25 | 29 | 33 | 24 | 25 | 26 | 33.7    |
| JAMESTOWN 2 NW         | MAX          | 62 | 52 | 67 | 80 | 51 | 60 | 47 | 46 | 37 | 37 | 40 | 59 | 57 | 63 | 49 | 51 | 60 | 41 | 39 | 35 | 35 | 36 | 45 | 48 | 41 | 53 | 61 | 41 | 32 | 38 | 48.8    |
|                        | MIN          | 45 | 30 | 45 | 37 | 38 | 36 | 29 | 29 | 27 | 24 | 22 | 27 | 43 | 45 | 25 | 27 | 37 | 26 | 19 | 21 | 30 | 19 | 22 | 37 | 22 | 25 | 39 | 27 | 27 | 27 | 30.2    |
| JOHNSTOWN              | MAX          | 59 | 52 | 57 | 70 | 57 | 59 | 50 | 40 | 37 | 32 | 35 | 46 | 42 | 58 | 58 | 59 | 56 | 43 | 31 | 34 | 34 | 36 | 43 | 49 | 50 | 58 | 49 | 49 | 29 | 30 | 46.7    |
|                        | MIN          | 49 | 37 | 47 | 56 | 55 | 49 | 38 | 34 | 29 | 30 | 24 | 35 | 37 | 42 | 50 | 44 | 40 | 31 | 26 | 27 | 33 | 23 | 25 | 35 | 35 | 31 | 32 | 27 | 27 | 27 | 35.8    |
| KANE 1 NNE             | MAX          | 59 | 47 | 60 | 74 | 53 | 60 | 48 | 46 | 34 | 32 | 31 | 50 | 46 | 60 | 55 | 54 | 52 | 39 | 36 | 36 | 34 | 38 | 44 | 43 | 40 | 49 | 60 | 42 | 27 | 34 | 46.1    |
|                        | MIN          | 43 | 24 | 34 | 43 | 43 | 40 | 28 | 26 | 27 | 18 | 11 | 12 | 30 | 36 | 31 | 32 | 38 | 28 | 12 | 13 | 28 | 17 | 17 | 35 | 23 | 24 | 31 | 22 | 22 | 23 | 27.0    |
| KEGG                   | MAX          | 61 | 66 | 66 | 66 | 68 | 60 | 46 | 49 | 39 | 48 | 58 | 51 | 62 | 62 | 60 | 58 | 53 | 40 | 38 | 38 | 41 | 53 | 50 | 47 | 55 | 56 | 43 | 35 | 38 | 47 | 51.8    |
|                        | MIN          | 35 | 33 | 32 | 33 | 48 | 49 | 40 | 28 | 29 | 35 | 19 | 32 | 31 | 49 | 45 | 46 | 38 | 36 | 22 | 31 | 27 | 20 | 29 | 39 | 32 | 27 | 30 | 26 | 28 | 30 | 33.0    |
| LANCASTER 2NE PUMP STA | MAX          | 69 | 62 | 75 | 78 | 74 | 73 | 56 | 51 | 45 | 44 | 52 | 58 | 58 | 61 | 60 | 52 | 55 | 48 | 42 | 37 | 44 | 45 | 52 | 52 | 54 | 58 | 53 | 50 | 44 | 46 | 54.9    |
|                        | MIN          | 35 | 29 | 59 | 62 | 59 | 55 | 44 | 29 | 39 | 25 | 18 | 26 | 44 | 44 | 44 | 33 | 43 | 32 | 23 | 28 | 31 | 27 | 27 | 32 | 33 | 23 | 32 | 25 | 26 | 30 | 35.2    |
| LANDISVILLE 2 NW       | MAX          | 73 | 63 | 62 | 74 | 77 | 73 | 59 | 51 | 49 | 43 | 48 | 51 | 55 | 58 | 61 | 57 | 55 | 51 | 44 | 39 | 38 | 43 | 45 | 51 | 50 | 51 | 59 | 50 | 37 | 42 | 53.6    |
|                        | MIN          | 37 | 31 | 40 | 61 | 63 | 57 | 42 | 31 | 31 | 29 | 21 | 28 | 38 | 51 | 47 | 33 | 43 | 32 | 24 | 27 | 30 | 27 | 31 | 37 | 36 | 27 | 32 | 28 | 28 | 30 | 35.7    |
| LAWRENCEVILLE 2 S      | MAX          | 55 | 55 | 70 | 69 | 62 | 57 | 53 | 43 | 40 | 35 | 50 | 54 | 64 | 59 | 50 | 50 | 53 | 40 | 40 | 37 | 38 | 44 | 46 | 47 | 49 | 49 | 49 | 32 | 36 | 39 | 48.8    |
|                        | MIN          | 33 | 33 | 53 | 45 | 44 | 45 | 33 | 29 | 24 | 24 | 16 | 25 | 30 | 48 | 31 | 25 | 39 | 30 | 22 | 27 | 32 | 29 | 37 | 40 | 26 | 25 | 30 | 23 | 25 | 28 | 31.7    |
| LEBANON 3 W            | MAX          | 72 | 62 | 59 | 74 | 75 | 73 | 58 | 52 | 48 | 42 | 43 | 50 | 53 | 56 | 58 | 59 | 53 | 51 | 44 | 39 | 38 | 42 | 46 | 48 | 50 | 53 | 59 | 50 | 38 | 42 | 52.9    |
|                        | MIN          | 45 | 35 | 35 | 56 | 63 | 56 | 45 | 33 | 32 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |

# DAILY TEMPERATURES

 PENNSYLVANIA  
 NOVEMBER 1961

Continued

| Station                 |     | Day Of Month |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|-------------------------|-----|--------------|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                         |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8    | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |         |
| NEWELL                  | MAX | 69           | 71 | 83 | 85 | 54 | 57 | 51 | 49   | 42 | 44 | 55 | 64 | 58 | 65 | 58 | 57 | 63 | 44 | 41 | 40 | 43 | 43 | 50 | 51 | 50 | 62 | 65 | 44 | 37 | 39 |    |         |
|                         | MIN | 48           | 40 | 55 | 51 | 53 | 48 | 37 | 28   | 29 | 30 | 25 | 39 | 40 | 54 | 47 | 43 | 42 | 30 | 29 | 34 | 34 | 27 | 36 | 43 | 29 | 32 | 44 | 28 | 29 | 24 |    |         |
| NEWPORT                 | MAX | 71           | 62 | 60 | 73 | 63 | 67 | 57 | 52   | 49 | 40 | 40 | 52 | 51 | 56 | 60 | 56 | 53 | 50 | 45 | 40 | 39 | 46 | 45 | 50 | 50 | 55 | 58 | 52 | 38 | 43 |    |         |
|                         | MIN | 46           | 32 | 32 | 56 | 59 | 56 | 45 | 30   | 30 | 32 | 20 | 21 | 28 | 43 | 49 | 37 | 43 | 36 | 26 | 28 | 28 | 26 | 26 | 38 | 39 | 28 | 29 | 30 | 24 | 26 |    |         |
| NEW STANTON             | MAX | 60           | 74 | 85 | 62 | 58 | 54 | 48 | 34   | 46 | 48 | 60 | 58 | 70 | 59 | 58 | 64 | 58 | 46 | 40 | 35 | 40 | 51 | 57 | 46 | 50 | 66 | 49 | 34 | 38 | 44 |    |         |
|                         | MIN | 41           | 38 | 60 | 51 | 53 | 45 | 31 | 32   | 32 | 32 | 38 | 21 | 38 | 49 | 41 | 42 | 34 | 23 | 23 | 30 | 29 | 19 | 35 | 35 | 25 | 29 | 30 | 26 | 27 | 24 |    |         |
| NORRISTOWN              | MAX | 66           | 63 | 78 | 78 | 81 | 66 | 59 | 54   | 46 | 44 | 52 | 63 | 62 | 62 | 61 | 57 | 57 | 49 | 45 | 45 | 45 | 51 | 56 | 55 | 56 | 62 | 51 | 43 | 45 | 50 |    |         |
|                         | MIN | 42           | 34 | 55 | 63 | 63 | 55 | 40 | 35   | 34 | 31 | 25 | 32 | 51 | 56 | 40 | 36 | 40 | 34 | 29 | 31 | 32 | 32 | 34 | 43 | 40 | 33 | 35 | 28 | 29 | 32 |    |         |
| PALMERTON               | MAX | 57           | 56 | 72 | 73 | 71 | 62 | 54 | 48   | 42 | 40 | 46 | 55 | 56 | 60 | 57 | 52 | 53 | 45 | 44 | 35 | 39 | 47 | 50 | 49 | 52 | 53 | 50 | 35 | 41 | 46 |    |         |
|                         | MIN | 34           | 28 | 51 | 64 | 62 | 51 | 34 | 29   | 31 | 31 | 20 | 26 | 50 | 56 | 34 | 30 | 40 | 34 | 23 | 29 | 34 | 31 | 35 | 45 | 36 | 28 | 32 | 27 | 29 | 33 |    |         |
| PHIL OREXEL INST OF TEC | MAX | 66           | 63 | 75 | 76 | 80 | 68 | 58 | 55   | 47 | 44 | 48 | 63 | 62 | 61 | 61 | 57 | 58 | 48 | 43 | 39 | 43 | 47 | 56 | 56 | 54 | 60 | 53 | 40 | 45 | 51 |    |         |
|                         | MIN | 55           | 45 | 56 | 62 | 64 | 56 | 43 | 34   | 34 | 32 | 31 | 39 | 54 | 56 | 47 | 46 | 43 | 37 | 33 | 31 | 33 | 34 | 37 | 44 | 41 | 39 | 36 | 29 | 32 | 32 |    |         |
| PHILADELPHIA WB AP      | MAX | 64           | 61 | 75 | 75 | 80 | 66 | 57 | 53   | 44 | 42 | 47 | 62 | 61 | 60 | 59 | 56 | 57 | 47 | 40 | 38 | 44 | 46 | 57 | 55 | 54 | 58 | 51 | 38 | 42 | 49 |    |         |
|                         | MIN | 42           | 36 | 55 | 62 | 56 | 51 | 36 | 30   | 28 | 23 | 21 | 29 | 51 | 56 | 34 | 35 | 38 | 31 | 24 | 31 | 29 | 27 | 30 | 43 | 38 | 29 | 32 | 27 | 24 | 25 |    |         |
| PHILADELPHIA PT BREEZE  | MAX | 64           | 63 | 76 | 76 | 80 | 68 | 58 | 56   | 46 | 44 | 50 | 66 | 63 | 52 | 62 | 58 | 58 | 48 | 44 | 42 | 45 | 56 | 57 | 64 | 55 | 42 | 46 | 51 | 46 | 51 |    |         |
|                         | MIN | 48           | 44 | 58 | 64 | 64 | 58 | 45 | 40   | 36 | 36 | 32 | 42 | 57 | 50 | 50 | 44 | 43 | 39 | 36 | 35 | 36 | 44 | 44 | 44 | 39 | 32 | 32 | 34 | 34 |    |    |         |
| PHILIPSBURG FAA AP      | MAX | 53           | 56 | 60 | 67 | 60 | 53 | 45 | 37   | 31 | 37 | 48 | 52 | 52 | 57 | 52 | 52 | 52 | 36 | 35 | 31 | 38 | 39 | 44 | 42 | 47 | 52 | 48 | 30 | 34 | 33 |    |         |
|                         | MIN | 27           | 27 | 50 | 52 | 50 | 43 | 32 | 27   | 26 | 20 | 18 | 30 | 34 | 46 | 33 | 33 | 31 | 27 | 19 | 27 | 29 | 19 | 33 | 35 | 27 | 26 | 24 | 22 | 22 | 26 |    |         |
| PHOENIXVILLE 1 E        | MAX | 71           | 62 | 75 | 75 | 79 | 71 | 64 | 53   | 45 | 42 | 50 | 61 | 61 | 62 | 64 | 58 | 57 | 47 | 41 | 40 | 44 | 46 | 55 | 53 | 55 | 58 | 51 | 51 | 50 | 50 |    |         |
|                         | MIN | 42           | 29 | 52 | 61 | 62 | 55 | 49 | 30   | 33 | 29 | 21 | 27 | 49 | 49 | 46 | 36 | 39 | 32 | 24 | 29 | 30 | 28 | 30 | 44 | 36 | 27 | 30 | 28 | 28 | 28 |    |         |
| PITTSBURGH WB AP 2      | MAX | 58           | 72 | 82 | 56 | 55 | 51 | 46 | 41   | 38 | 45 | 59 | 58 | 60 | 57 | 53 | 63 | 51 | 39 | 36 | 33 | 42 | 44 | 48 | 45 | 49 | 61 | 53 | 34 | 36 | 43 |    |         |
|                         | MIN | 43           | 44 | 56 | 43 | 49 | 42 | 30 | 29   | 28 | 29 | 25 | 45 | 42 | 45 | 43 | 46 | 45 | 43 | 27 | 28 | 32 | 28 | 23 | 41 | 33 | 28 | 35 | 30 | 27 | 25 | 26 |         |
| PITTSBURGH WB CITY      | MAX | 60           | 73 | 83 | 58 | 57 | 53 | 50 | 43   | 42 | 45 | 61 | 57 | 63 | 60 | 56 | 65 | 53 | 40 | 39 | 37 | 43 | 48 | 52 | 48 | 52 | 64 | 54 | 35 | 37 | 46 |    |         |
|                         | MIN | 45           | 45 | 58 | 47 | 53 | 44 | 37 | 33   | 30 | 34 | 30 | 46 | 43 | 49 | 47 | 47 | 36 | 30 | 30 | 33 | 32 | 26 | 42 | 39 | 35 | 37 | 31 | 29 | 28 | 29 |    |         |
| PLEASANT MOUNT 1 W      | MAX | 60           | 46 | 52 | 65 | 60 | 61 | 50 | 45   | 38 | 33 | 31 | 40 | 56 | 56 | 55 | 51 | 49 | 47 | 35 | 38 | 32 | 32 | 38 | 41 | 43 | 42 | 56 | 43 | 24 | 28 |    |         |
|                         | MIN | 42           | 20 | 23 | 42 | 48 | 47 | 41 | 23   | 26 | 23 | 14 | 18 | 22 | 47 | 35 | 22 | 25 | 28 | 22 | 21 | 25 | 25 | 26 | 30 | 30 | 22 | 25 | 19 | 19 | 20 |    |         |
| PORT CLINTON            | MAX | 71           | 62 | 58 | 72 | 73 | 75 | 58 | 56   | 51 | 45 | 43 | 50 | 55 | 56 | 60 | 62 | 52 | 51 | 46 | 45 | 38 | 43 | 50 | 51 | 50 | 54 | 51 | 50 | 38 | 42 |    |         |
|                         | MIN | 35           | 23 | 26 | 54 | 60 | 54 | 44 | 25   | 27 | 25 | 11 | 20 | 24 | 47 | 37 | 25 | 30 | 29 | 20 | 24 | 27 | 26 | 28 | 37 | 34 | 22 | 24 | 22 | 24 | 26 |    |         |
| PUTNEYVILLE 2 SE OAM    | MAX | 64           | 54 | 65 | 78 | 55 | 57 | 50 | 47   | 41 | 36 | 40 | 56 | 53 | 57 | 58 | 51 | 56 | 43 | 39 | 38 | 35 | 39 | 45 | 50 | 41 | 50 | 61 | 48 | 34 | 55 |    |         |
|                         | MIN | 42           | 28 | 39 | 44 | 43 | 42 | 26 | 27   | 23 | 18 | 17 | 17 | 34 | 35 | 40 | 33 | 36 | 24 | 19 | 19 | 24 | 15 | 16 | 36 | 24 | 24 | 31 | 21 | 20 | 22 |    |         |
| QUAKERTOWN 1 E          | MAX | 65           | 58 | 75 | 74 | 74 | 70 | 57 | 50   | 43 | 41 | 48 | 60 | 64 | 60 | 60 | 60 | 62 | 62 | 41 | 40 | 38 | 43 | 46 | 52 | 51 | 55 | 61 | 52 | 39 | 44 | 47 |         |
|                         | MIN | 47           | 25 | 49 | 60 | 63 | 54 | 49 | 28   | 32 | 28 | 19 | 24 | 49 | 52 | 41 | 37 | 41 | 36 | 31 | 32 | 36 | 34 | 36 | 44 | 40 | 35 | 34 | 28 | 31 | 34 |    |         |
| READING WB CITY         | MAX | 63           | 60 | 76 | 77 | 74 | 65 | 55 | 51   | 44 | 42 | 51 | 57 | 52 | 57 | 62 | 54 | 55 | 45 | 43 | 38 | 43 | 46 | 52 | 51 | 55 | 61 | 52 | 39 | 44 | 47 |    |         |
|                         | MIN | 46           | 35 | 54 | 65 | 65 | 53 | 42 | 35   | 34 | 33 | 27 | 32 | 52 | 57 | 41 | 37 | 41 | 36 | 31 | 32 | 36 | 34 | 36 | 44 | 40 | 35 | 34 | 28 | 31 | 34 |    |         |
| RENOVO                  | MAX | 69           | 58 | 62 | 75 | 59 | 60 | 59 | 54   | 40 | 38 | 44 | 54 | 45 | 54 | 58 | 61 | 53 | 48 | 47 | 39 | 37 | 45 | 43 | 50 | 47 | 57 | 59 | 48 | 34 | 43 |    |         |
|                         | MIN | 48           | 28 | 29 | 55 | 51 | 50 | 37 | 29   | 29 | 24 | 19 | 19 | 28 | 32 | 44 | 37 | 39 | 44 | 21 | 21 | 31 | 25 | 29 | 32 | 29 | 28 | 28 | 25 | 24 | 25 |    |         |
| RIGOWAY 3 W             | MAX | 57           | 61 | 75 | 72 | 60 | 54 | 47 | 42   | 33 | 36 | 50 | 45 | 61 | 56 | 50 | 54 | 54 | 37 | 37 | 35 | 37 | 45 | 45 | 43 | 48 | 59 | 49 | 33 | 35 | 35 |    |         |
|                         | MIN | 41           | 26 | 54 | 50 | 47 | 45 | 28 | 24   | 28 | 15 | 13 | 26 | 30 | 50 | 35 | 38 | 37 | 30 | 18 | 30 | 30 | 16 | 32 | 37 | 24 | 27 | 33 | 24 | 20 | 30 |    |         |
| SALINA 3 W              | MAX | 59           | 70 | 82 | 75 | 58 | 54 | 47 | 42   | 37 | 42 | 58 | 55 | 61 | 58 | 55 | 62 | 61 | 41 | 38 | 37 | 38 | 48 | 51 | 49 | 49 | 61 | 54 | 33 | 36 | 43 |    |         |
|                         | MIN | 46           | 34 | 56 | 48 | 52 | 46 | 31 | 26   | 23 | 25 | 24 | 37 | 41 | 50 | 45 | 38 | 36 | 25 | 24 | 32 | 32 | 19 | 33 | 38 | 27 | 31 | 32 | 17 | 23 | 27 |    |         |
| SCRANTON                | MAX | 67           | 52 | 64 | 71 | 63 | 64 | 53 | 48   | 43 | 40 | 44 | 47 | 59 | 57 | 58 | 54 | 53 | 53 | 41 | 39 | 43 | 41 | 39 | 43 | 36 | 48 | 49 | 54 | 37 | 37 |    |         |
|                         | MIN | 46           | 27 | 30 | 53 | 53 | 49 | 43 | 31   | 29 | 26 | 19 | 22 | 30 | 46 | 37 | 30 | 46 | 30 | 26 | 25 | 27 | 26 | 30 | 30 | 31 | 32 | 34 | 25 | 28 | 24 | 26 |         |
| SCRANTON WB AIRPORT     | MAX | 52           | 56 | 70 | 63 | 62 | 58 | 47 | 40   | 36 | 31 | 44 | 56 | 54 | 56 | 51 | 52 | 53 | 41 | 39 | 35 | 35 | 42 | 47 | 47 | 47 | 53 | 44 | 29 | 35 | 40 |    |         |
|                         | MIN | 30           | 25 | 50 | 52 | 52 | 46 | 32 | 28   | 27 | 21 | 19 | 28 | 45 | 46 | 33 | 29 | 37 | 31 | 27 | 29 | 33 | 32 | 33 | 40 | 32 | 33 | 40 | 31 | 27 | 28 | 28 |         |
| SHIPPENSBURG            | MAX | 68           | 64 | 76 | 70 | 75 | 70 | 54 | 52   | 43 | 44 | 54 | 50 | 54 | 61 | 60 | 60 | 55 | 45 | 38 | 38 | 45 | 48 | 47 | 49 | 56 | 59 | 55 | 48 | 41 | 48 |    |         |
|                         | MIN | 47           | 34 | 52 | 60 | 60 | 52 | 45 | 33   | 32 | 29 | 22 | 29 | 37 | 48 | 48 | 40 | 42 | 33 | 25 | 30 | 35 | 26 | 31 | 44 | 37 | 30 | 40 | 28 | 28 | 33 |    |         |
| SLIPPERY ROCK           | MAX | 54           | 68 | 81 | 76 | 68 | 52 | 48 | 39   | 40 | 44 | 59 | 57 | 59 | 57 | 45 | 60 | 53 | 40 | 35 | 35 | 40 | 44 | 46 | 46 | 48 | 59 | 58 | 31 | 38 | 44 |    |         |
|                         | MIN | 44           | 36 | 59 | 42 | 46 | 42 | 30 | 29   | 27 | 29 | 26 | 43 | 42 | 46 | 40 | 43 | 37 | 27 | 25 | 30 | 31 | 24 | 37 | 38 | 28 | 24 | 30 | 21 | 26 | 27 |    |         |
| STATE COLLEGE           | MAX | 64           | 55 | 59 | 74 | 57 | 60 | 53 | 48   | 42 | 36 | 40 | 51 | 46 | 56 | 60 | 52 | 54 | 44 | 40 | 36 | 35 | 41 | 43 | 47 | 44 | 52 | 56 | 49 | 32 | 37 |    |         |
|                         | MIN | 48           | 34 | 35 | 55 | 54 | 52 | 39 | 32   | 30 | 28 | 24 | 25 | 34 | 35 | 48 | 39 | 42 | 38 | 26 | 27 | 32 | 46 | 25 | 30 | 43 | 27 | 47 | 34 | 26 | 27 |    |         |
| STOYSTOWN               | MAX | 65           | 55 | 61 | 75 | 63 | 60 | 48 | 45</ |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |

## DAILY TEMPERATURES

PENNSYLVANIA  
NOVEMBER 1961

Continued

| Station             | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|---------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| YORK 3 SSW PUMP STA | MAX<br>72    | 63 | 75 | 79 | 74 | 71 | 55 | 50 | 44 | 46 | 54 | 53 | 60 | 62 | 60 | 53 | 56 | 47 | 42 | 38 | 45 | 48 | 51 | 51 | 56 | 64 | 55 | 51 | 44 | 49 | 55.6 |         |
|                     | MIN<br>38    | 32 | 54 | 66 | 64 | 54 | 48 | 29 | 31 | 26 | 21 | 29 | 41 | 51 | 47 | 37 | 46 | 33 | 25 | 32 | 35 | 25 | 32 | 46 | 34 | 27 | 40 | 28 | 29 | 29 | 37.6 |         |

## EVAPORATION AND WIND

| Station        | Day of month |     |     |     |    |    |     |     |     |     |    |    |    |    |    |    |     |     |    |    |    |    |    |    |     |    |    |     |     |     |    | Total<br>or<br>Avg. |
|----------------|--------------|-----|-----|-----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-----|----|----|----|----|----|----|-----|----|----|-----|-----|-----|----|---------------------|
|                | 1            | 2   | 3   | 4   | 5  | 6  | 7   | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17  | 18  | 19 | 20 | 21 | 22 | 23 | 24 | 25  | 26 | 27 | 28  | 29  | 30  | 31 |                     |
| BELLEFONTE 4 S | EVAP<br>.29  | .17 | .09 | .00 | -  | -  | .18 | .10 | -   | -   | -  | -  | -  | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -   | -  | -  | -   | -   | -   | -  | 2236                |
|                | WIND<br>180  | 87  | 86  | 116 | 16 | 26 | 45  | 98  | 106 | 100 | 34 | 31 | 18 | 19 | 38 | 30 | 121 | 135 | 65 | 27 | 75 | 61 | 42 | 65 | 131 | 29 | 30 | 113 | 184 | 148 |    |                     |

## DAILY SOIL TEMPERATURES

| Station<br>And<br>Depth | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |  |
|-------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|--|
|                         | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |  |
| ERIE CO FIELD RSCH LAB  |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |  |
| 8 INCHES                | MAX          | 55 | 53 | 56 | 56 | 54 | 53 | 52 | 50 | 47 | 45 | 45 | 47 | 50 | 51 | 50 | 49 | 49 | 47 | 44 | 43 | 43 | 42 | 43 | 44 | 44 | 45 | 45 | 44 | 40 | 40   | 47.5    |  |
|                         | MIN          | 52 | 50 | 53 | 53 | 53 | 51 | 50 | 47 | 45 | 45 | 42 | 45 | 47 | 50 | 47 | 47 | 47 | 44 | 43 | 43 | 42 | 41 | 42 | 43 | 43 | 43 | 44 | 40 | 39 | 39   | 45.7    |  |
| STATE COLLEGE 2         |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |  |
| 2 INCHES                | MAX          | 53 | 54 | 60 | 60 | 59 | 58 | 54 | 47 | 44 | 43 | 47 | 46 | 49 | 52 | 50 | 50 | 45 | 43 | 41 | 43 | 43 | 43 | 45 | 44 | 45 | 46 | 38 | 36 | 38 | 47.7 |         |  |
|                         | MIN          | 48 | 44 | 52 | 57 | 56 | 54 | 49 | 43 | 41 | 38 | 36 | 39 | 41 | 49 | 49 | 47 | 45 | 41 | 38 | 40 | 39 | 37 | 39 | 41 | 39 | 38 | 39 | 35 | 34 | 35   | 42.8    |  |
| 4 INCHES                | MAX          | 53 | 46 | 59 | 59 | 59 | 58 | 54 | 49 | 44 | 43 | 47 | 46 | 49 | 52 | 50 | 50 | 45 | 43 | 42 | 43 | 43 | 43 | 46 | 44 | 45 | 46 | 39 | 36 | 38 | 47.4 |         |  |
|                         | MIN          | 49 | 53 | 52 | 57 | 56 | 55 | 50 | 44 | 42 | 39 | 37 | 40 | 41 | 49 | 50 | 48 | 46 | 42 | 39 | 41 | 40 | 38 | 40 | 42 | 40 | 39 | 40 | 36 | 35 | 35   | 43.8    |  |
| 8 INCHES                | MAX          | 56 | 53 | 57 | 58 | 59 | 58 | 57 | 53 | 48 | 46 | 47 | 46 | 50 | 52 | 53 | 51 | 52 | 49 | 45 | 44 | 45 | 44 | 44 | 46 | 45 | 45 | 46 | 44 | 40 | 40   | 49.1    |  |
|                         | MIN          | 53 | 50 | 53 | 57 | 57 | 56 | 54 | 49 | 46 | 44 | 42 | 43 | 44 | 49 | 51 | 50 | 49 | 45 | 43 | 43 | 42 | 41 | 42 | 44 | 42 | 42 | 44 | 40 | 38 | 38   | 46.4    |  |
| 12 INCHES               | MAX          | 57 | 54 | 56 | 58 | 58 | 58 | 56 | 52 | 50 | 48 | 48 | 49 | 51 | 52 | 52 | 51 | 48 | 47 | 47 | 47 | 45 | 45 | 47 | 46 | 45 | 46 | 46 | 43 | 42 | 50.2 |         |  |
|                         | MIN          | 54 | 53 | 53 | 56 | 57 | 57 | 56 | 52 | 50 | 47 | 46 | 47 | 47 | 49 | 51 | 51 | 51 | 48 | 46 | 46 | 45 | 44 | 44 | 45 | 44 | 44 | 45 | 43 | 41 | 41   | 47.4    |  |
| 16 INCHES               | MAX          | 57 | 56 | 55 | 58 | 58 | 58 | 59 | 57 | 54 | 52 | 50 | 49 | 51 | 51 | 53 | 53 | 54 | 52 | 50 | 48 | 49 | 47 | 47 | 47 | 47 | 47 | 48 | 47 | 45 | 45   | 51.5    |  |
|                         | MIN          | 55 | 54 | 54 | 56 | 57 | 57 | 56 | 54 | 52 | 49 | 48 | 48 | 48 | 50 | 51 | 51 | 51 | 50 | 47 | 47 | 46 | 46 | 45 | 46 | 45 | 45 | 46 | 44 | 43 | 42   | 49.4    |  |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

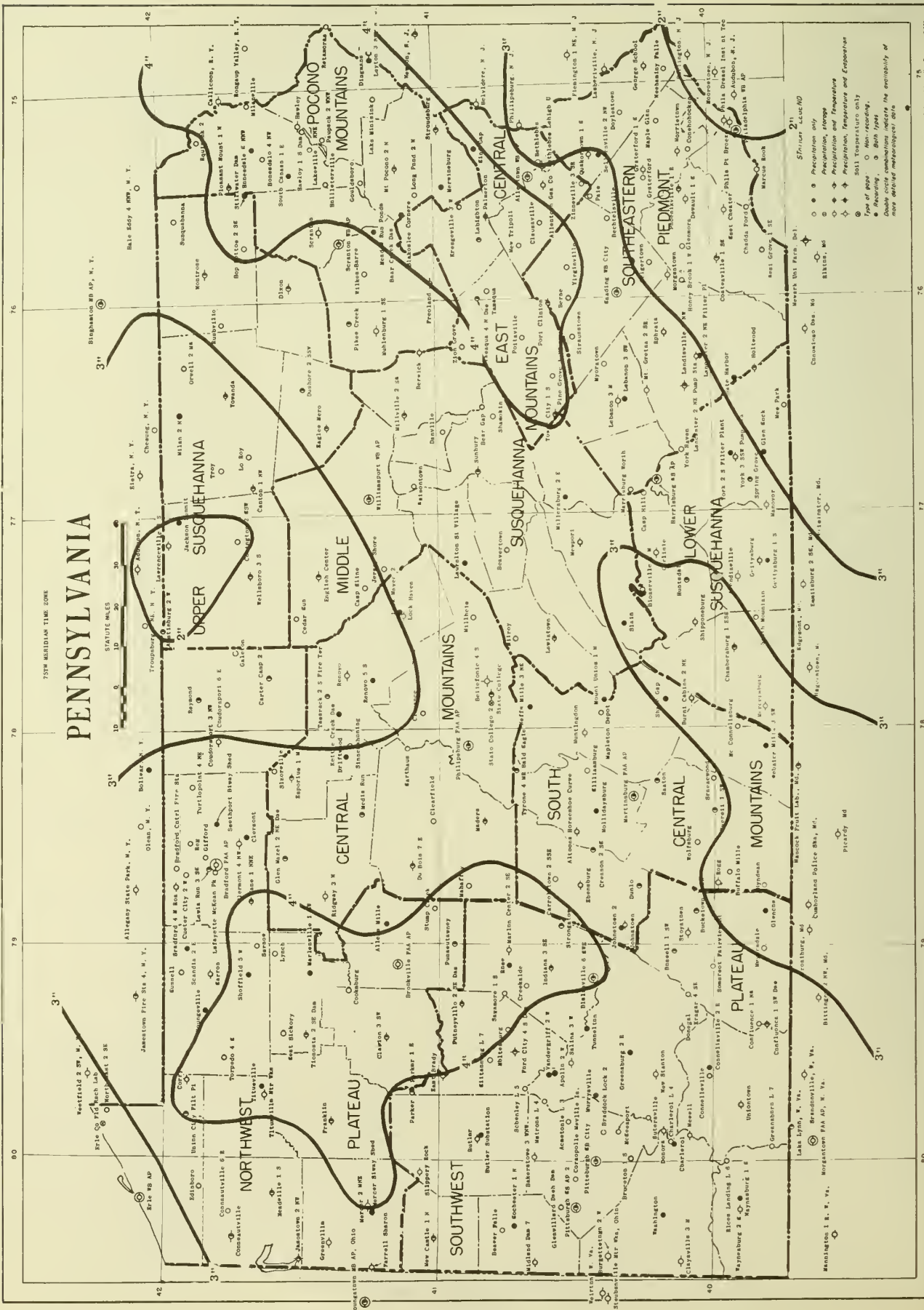
State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.





# TOTAL PRECIPITATION

PENNSYLVANIA  
NOVEMBER 1961

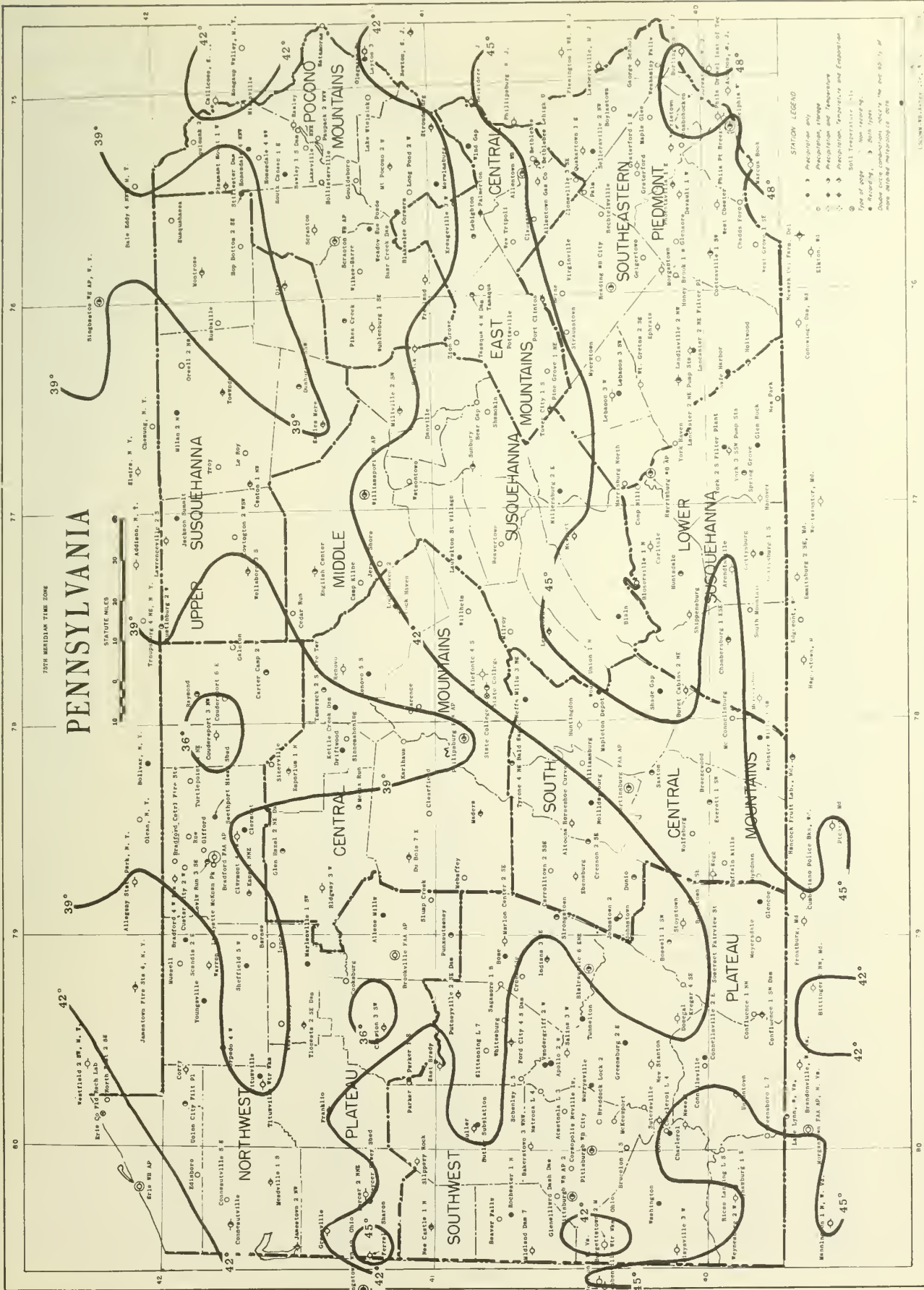


Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
NOVEMBER 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA NOVEMBER 1961

Table with columns for STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVER, STATION, INDEX NO., COUNTY, DRAINAGE, LATITUDE, LONGITUDE, ELEVATION, OBSERVER. The table lists numerous weather stations across Pennsylvania with their respective coordinates and observers.

# STATION INDEX

CONTINUED

PENNSYLVANIA  
NOVEMBER 1961

| STATION                | INDEX NO. | COUNTY       | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER                 | STATION               | INDEX NO. | COUNTY      | DRAINAGE I | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER            |                         |                 |                 |                  |  |  |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|--------------------------|-----------------------|-----------|-------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|---------------------|-------------------------|-----------------|-----------------|------------------|--|--|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |                          |                       |           |             |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |                     |                         |                 |                 |                  |  |  |
| STILLWATER DAM         | 8491      | SUSQUEHANNA  | 15         | 41 41    | 75 29     | 1645      |                             |         |       | C       | CORPS OF ENGINEERS       | WHITESBURG            | 9655      | ARMSTRONG   | 1          | 40 45    | 79 26     | 1530      | 7A                          |         |       |         | CORPS OF ENGINEERS  |                         |                 |                 |                  |  |  |
| STOYSTOWN              | 8500      | SHMIDT       | 4          | 40 06    | 78 57     | 1800      | 9A                          |         |       | C       | VERNON MONG              | WILKES-BARRE          | 9702      | LATZENE     | 15         | 41 15    | 75 52     | 610       | 7A                          |         |       |         | MRS. MARY G. HISHAW |                         |                 |                 |                  |  |  |
| STRAUSSTOWN            | 8570      | BERKS        | 14         | 40 29    | 76 11     | 600       | 8A                          |         |       | C       | JACOB KLAHR              | WILLIAMSBURG          | 9714      | BLAIR       | 6          | 40 28    | 78 12     | 860       | 7A                          |         |       |         | MYRON F. BIDDLE     |                         |                 |                 |                  |  |  |
| STRONGSTOWN            | 8589      | INDIANA      | 4          | 40 33    | 78 55     | 1080      |                             |         |       | C       | HARRY F. BENNETT         | WILLIAMSPORT WD AP    | 9728      | LYCOMING    | 16         | 41 15    | 76 59     | 527       | MID                         | MID     |       |         |                     | U.S. WEATHER BUREAU     |                 |                 |                  |  |  |
| STRODSBURG             | 8596      | MONROE       | 5          | 40 59    | 75 12     | 480       | 11P                         |         |       | C       | WILLIAM HAGERTY          | WIND GAP              | 9741      | NORTHAMPTON | 5          | 40 51    | 75 18     | 765       |                             |         |       |         |                     | MRS. MARY G. HOELZEL    |                 |                 |                  |  |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 50     | 1320      | 7A                          |         |       | C       | CORPS OF ENGINEERS       | WOLFESBURG            | 9823      | BEDFORD     | 6          | 40 03    | 78 32     | 1190      | 7A                          |         |       |         |                     |                         | WALTER C. RICE  |                 |                  |  |  |
| SUNBURY                | 8668      | NORTHUMBLAND | 15         | 40 52    | 76 47     | 480       | 7A                          |         |       | C       | CHARLES W. BAYLER        | YORK 3 SW PUMP STA    | 9933      | YORK        | 15         | 39 55    | 76 45     | 390       | 5P                          | 5P      |       |         |                     | YORK WATER COMPANY      |                 |                 |                  |  |  |
| SUSQUEHANNA            | 8692      | SUSQUEHANNA  | 15         | 41 57    | 75 36     | 1020      | 7A                          |         |       | C       | MRS. LAURA A. BENSON     | YORK 2 S FILTER PLANT | 9938      | YORK        | 15         | 39 56    | 76 44     | 640       |                             |         |       |         |                     | YORK WATER COMPANY      |                 |                 |                  |  |  |
| TAMADIA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 830       | 8A                          |         |       | C       | MRS. MARY L. ROBERTS     | YORK HAVEN            | 9950      | YORK        | 15         | 40 07    | 76 43     | 310       |                             |         |       |         |                     | METROPOLITAN EDISON CO. |                 |                 |                  |  |  |
| TAMAQUA & N DAM        | 8763      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      | 7A                          |         |       | C       | PANTHER VALLEY WTR. CO.  | YOUNGSVILLE           | 9966      | WARREN      | 1          | 41 51    | 79 19     | 1225      |                             |         |       |         |                     |                         | HENRY CARLETTI  |                 |                  |  |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          |         |       | H       | MRS. FRANCES SWARIZ      | ZION GROVE            | 9990      | SCHUYLKILL  | 15         | 40 54    | 76 11     | 940       | 7A                          |         |       |         |                     |                         | JAMES D. FEETER |                 |                  |  |  |
| TIONESTA 2 SE DAM      | 8873      | FOREST       | 1          | 41 29    | 79 26     | 1200      | 8A                          |         |       | C       | CORPS OF ENGINEERS       | ZIONSVILLE 3 SE       | 9995      | LEHIGH      | 14         | 40 28    | 75 27     | 680       | 8A                          |         |       |         |                     |                         | LESLIE HOWATT   |                 |                  |  |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1550      |                             |         |       | C       | PA. ELECTRIC CO.         | NEW STATIONS          |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TITUSVILLE WATER WORKS | 8888      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       |         | CITY OF TITUSVILLE       | TOBYHANNA             | 8893      | MONROE      | 5          | 41 11    | 75 25     | 1950      | 5P                          | 5P      |       |         |                     |                         |                 |                 | MRS. JULIA GRADY |  |  |
| TORPEDO & W            | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      | 7A                          |         |       | C       | MRS. LILY B. GARBER      | PINE GROVE 1 NE       | 6954      | SCHUYLKILL  | 15         | 40 34    | 76 22     | 535       |                             |         |       |         |                     |                         |                 | EFFECTIVE 11/61 |                  |  |  |
| TOWANDA 1 ESE          | 8905      | BRADFORD     | 15         | 41 45    | 76 25     | 745       | 7P                          | 7A      |       | C       | LEVERN ROOF              | COMBINED STATIONS     |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15         | 40 34    | 76 33     | 790       | 7A                          | 7A      |       | C       | JOHN MURRY, JR.          | MOUNT POCONO 2 N      | 6055      | MONROE      | 5          | 41 09    | 75 22     | 1915      |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TROY                   | 8959      | BRADFORD     | 15         | 41 47    | 78 47     | 1100      | 7A                          |         |       | C       | JENNIE L. GALLARD        |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TUNNELTON              | 8985      | INDIANA      | 4          | 40 27    | 79 23     | 890       | 7A                          |         |       | C       | MRS. MARY E. WEIMER      |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TURTLEPOINT & NE       | 9002      | MC KEAN      | 1          | 41 54    | 78 16     | 1640      | 7A                          |         |       | C       | ROBERT D. SIRAIT         |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| TYRONE & NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          |         |       | C       | FREDERICK L. FRIDAY      |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      | 7A                          |         |       | C       | HAROLD W. HARMOND        |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 54    | 78 46     | 1040      | 10P                         | 10P     |       |         | W. W. MARSTELLER         |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          |         |       | C       | UNITED ENG. & ENGRY. CO. |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       | 8A                          |         |       | C       | MRS. MARY M. WRIGHT      |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WARREN                 | 9208      | WARREN       | 1          | 41 53    | 79 08     | 1280      | 7P                          | 7A      |       | C       | GILBERT M. REIER         |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         |       | C       | PA. DEPT. HIGHWAYS       |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 450       | 9P                          |         |       | C       | WILLIAM BIRD             |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WAYNESBURG 2 W         | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      |       | C       | SAMUEL B. GREENLEE       |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WAYNESBURG 1 E         | 9367      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         |       | C       | SEWAGE DISPOSAL PLANT    |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WEBSTER HILLS 3 SW     | 9380      | FULTON       | 12         | 39 49    | 78 05     | 920       |                             |         |       | C       | WILLIAM D. COVER         |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       | C       | MARION L. SHUMWAY        |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WEST CHESTER           | 9464      | CHESTER      | 5          | 39 58    | 75 36     | 440       | 8A                          | 8A      |       | C       | DAILY LOCAL NEWS         |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WEST GROVE 1 SE        | 9503      | CHESTER      | 5          | 39 48    | 75 48     | 450       | 8A                          |         |       | C       | CONARD-PYLE CO.          |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |
| WEST MILCROBY          | 9507      | FOREST       | 1          | 41 34    | 76 25     | 1090      | 8A                          |         |       | C       | MRS. HELEN F. KLINEAR    |                       |           |             |            |          |           |           |                             |         |       |         |                     |                         |                 |                 |                  |  |  |

1-ALLEGHENY; 2-BEAVER; 3-4-CONEHAUCH; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHEWENY

#### REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

#### OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.





51.05  
NP

U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

DECEMBER 1961  
Volume 66      No. 12



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PENNSYLVANIA - DECEMBER 1961

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 65° on the 5+ at Waynesburg 2 W and on the 4th  
at Pittsburgh WB City

Lowest Temperature: -14° on the 31+ at Pleasant Mount 1 W

Greatest Total Precipitation: D4.81 at Devault 1 W

Least Total Precipitation: 0.77 inch at Lawrenceville 2 S

Greatest One-Day Precipitation: 1.42 inches on the 18th at Devault 1 W

Greatest Reported Total Snowfall: 36.3 inches at Corry

Greatest Reported Depth of Snow on Ground: 15 inches on the 8th at  
Corry



# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DECEMBER 1961

| Station                  | Temperature     |                 |         |                                |         |      |        |      |             |                         |              | Precipitation |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|--------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|-------------------------|--------------|---------------|--------------|-------|--------------------------------|--------------|------|-------------|----------------------|-------------|-------------|-------------|--------------|----|---|---|
|                          | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days             |              |               |              | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      | No. of Days |             |             |              |    |   |   |
|                          |                 |                 |         |                                |         |      |        |      |             | W <sup>+</sup> or Above | 31° or Below | 32° or Below  | 33° or Below |       |                                |              |      | Total       | Max. Depth on Ground | Date        | .10 or More | .50 or More | 1.00 or More |    |   |   |
|                          |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| POCONO MOUNTAINS         |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| FREELAND                 | 34.5M           | 21.2M           | 27.9M   | .3                             | 49      | 7    | -2     | 30   | 1144        | 0                       | 14           | 29            | 0            | D     | 3.39                           | -.30         |      |             | 11.3                 | 9           | 27+         |             | 0            |    |   |   |
| HAWLEY                   | 37.4            | 19.1            | 28.3    |                                | 53      | 28   | -5     | 31+  | 1137        | 0                       | 11           | 31            | 3            |       | 3.06                           | +.05         | +.64 | 19          | 14.0                 | 7           | 29          | 11          | 1            | 0  |   |   |
| PLEASANT MOUNT 1 W       | 31.5            | 16.6            | 24.1    |                                | 47      | 6+   | -14    | 31+  | 1262        | 0                       | 16           | 30            | 4            |       | 2.57                           | -.90         | +.58 | 19          | 18.0                 | 11          | 25          | 8           | 1            | 0  |   |   |
| SCRANTON                 | 36.2            | 22.2            | 29.2    |                                | 51      | 28+  | 5      | 31   | 1099        | 0                       | 13           | 27            | 0            | D     | 2.74                           |              | +.74 | 19          | 8.0                  |             |             |             |              | 1  | 0 |   |
| SCRANTON WB AIRPORT      | 36.0            | 23.1            | 29.6    | .0                             | 51      | 5    | 0      | 30   | 1092        | 0                       | 12           | 27            | 1            |       | 2.52                           | +.15         | +.93 | 18          | 12.8                 | 6           | 26+         | 7           | 1            | 0  |   |   |
| STROUDSBURG              |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| TOBYHANNA                | 35.5            | 19.5            | 27.5    | -3.6                           | 50      | 5    | -2     | 30   | 1152        | 0                       | 13           | 31            | 3            |       | 3.18                           | -.59         | +.86 | 18          | 11.0                 | 7           | 31+         | 10          | 2            | 0  |   |   |
| TOBYHANNA                | 33.6            | 19.5            | 26.6    |                                | 47      | 1    | -3     | 30   | 1187        | 0                       | 14           | 30            | 1            |       | 2.99                           |              | +.96 | 18          | 13.5                 | 6           | 29+         | 8           | 1            | 0  |   |   |
| DIVISION                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|                          |                 |                 | 27.6    | -.9                            |         |      |        |      |             |                         |              |               |              |       | 2.92                           | -.25         |      |             | 12.1                 |             |             |             |              |    |   |   |
| EAST CENTRAL MOUNTAINS   |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| ALLENTOWN WB AP          | 37.4            | 22.2            | 29.8    | -1.3                           | 54      | 5    | 5      | 30+  | 1084        | 0                       | 9            | 27            | 0            |       | 3.84                           | +.82         | 1.11 | 18          | 13.3                 | 5           | 29+         | 10          | 2            | 1  |   |   |
| ALLENTOWN GAS CO         | 39.6            | 23.3            | 31.5    | -1.0                           | 56      | 6    | 7      | 30   | 1034        | 0                       | 7            | 27            | 0            |       | 3.80                           | +.60         | +.73 | 18          | 12.9                 | 7           | 25          | 10          | 2            | 0  |   |   |
| BETHLEHEM LEHIGH UNIV    | 35.1            | 28.6            | 31.9    | -1.6                           | 52      | 5    | 17     | 30   | 1020        | 0                       | 13           | 28            | 0            |       |                                |              | +.85 | 18          | 10.7                 |             |             |             |              | 4  | 0 |   |
| PALMERTON                | 37.2            | 22.6            | 29.9    | -1.5                           | 51      | 5+   | 3      | 30   | 1082        | 0                       | 9            | 28            | 0            |       | 2.55                           | -.64         | +.83 | 18          | 10.2                 | 5           | 31+         | 9           | 1            | 0  |   |   |
| PORT CLINTON             | 40.3            | 18.1            | 29.2    | -2.3                           | 56      | 4    | -4     | 29   | 1101        | 0                       | 5            | 31            | 2            |       | 3.72                           | -.16         | +.94 | 18          | 8.0                  |             |             |             |              | 9  | 2 | 0 |
| DIVISION                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|                          |                 |                 | 30.5    | -.7                            |         |      |        |      |             |                         |              |               |              |       | 3.48                           | +.07         |      |             | 11.0                 |             |             |             |              |    |   |   |
| SOUTHEASTERN PIEDMONT    |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| COATESVILLE 1 SW         | 40.2            | 23.5            | 31.9    | -1.1                           | 56      | 6    | 6      | 31   | 1021        | 0                       | 4            | 26            | 0            |       | 3.28                           | -.05         | +.82 | 18          | 4.8                  | 4           | 25          | 9           | 2            | 0  |   |   |
| DEVAULT 1 W              | 40.1            | 21.3            | 30.7    |                                | 55      | 7    | 7      | 17   | 1056        | 0                       | 5            | 31            | 0            | D     | 4.81                           |              | 1.42 | 18          | 9.0                  | 7           | 24          | 9           | 3            | 2  |   |   |
| EPHRATA                  | 38.7            | 25.5            | 32.1    | -1.9                           | 58      | 5    | 9      | 31+  | 1012        | 0                       | 5            | 26            | 0            |       | 2.51                           | -.49         | +.90 | 18          | 5.5                  |             |             |             |              | 6  | 2 | 0 |
| GEORGE SCHOOL            | 39.9            | 21.9            | 30.9    | -2.9                           | 58      | 6+   | 5      | 30   | 1049        | 0                       | 6            | 27            | 0            |       | 3.88                           | -.64         | +.83 | 19          | 8.6                  | 6           | 25          | 8           | 3            | 0  |   |   |
| GRATERFORD 1 E           | 39.5            | 21.8            | 30.7    |                                | 56      | 6    | 3      | 30   | 1059        | 0                       | 6            | 29            | 0            |       | 2.54                           |              |      |             |                      |             |             |             |              |    | 0 |   |
| HOLTWOOD                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| LANCASTER 2NE PUMP STA   | 40.0            | 26.2            | 33.1    | -1.8                           | 59      | 5    | 13     | 31+  | 979         | 0                       | 4            | 24            | 0            |       | 2.25                           | -.45         | +.57 | 18          | 6.1                  | 5           | 25          | 7           | 1            | 0  |   |   |
| LANDISVILLE 2 NW         | 39.7            | 22.1            | 30.9    | -1.9                           | 58      | 5    | 2      | 31   | 1052        | 0                       | 5            | 28            | 0            |       | 2.85                           | -.14         | +.83 | 12          | 8.5                  | 4           | 24          | 7           | 2            | 0  |   |   |
| LEBANON 3 W              | 38.8            | 21.5            | 30.2    |                                | 58      | 5    | -1     | 31   | 1074        | 0                       | 7            | 27            | 2            |       | 2.96                           |              | +.72 | 18          |                      |             |             |             |              | 10 | 1 | 0 |
| MARCUS HOOK              | 38.5            | 23.9            | 31.2    | -.9                            | 55      | 6+   | 7      | 30   | 1039        | 0                       | 8            | 28            | 0            |       | 2.80                           | -.46         | +.42 | 25          | 12.0                 | 8           | 25          | 10          | 0            | 0  | 0 |   |
| MARCUS HOOK              | 41.2            | 29.3            | 35.3    | -2.9                           | 59      | 5    | 15     | 16   | 916         | 0                       | 4            | 19            | 0            |       | 3.14                           | +.08         | +.89 | 18          | 3.6                  | 2           | 24+         | 6           | 3            | 0  |   |   |
| MORGANTOWN               |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| MT GRETA 2 SE            | 40.7            | 21.5            | 31.1    |                                | 55      | 5    | 6      | 31   | 1044        | 0                       | 4            | 29            | 0            |       | 2.94                           |              | +.87 | 18          | 12.1                 | 9           | 24          | 8           | 2            | 0  |   |   |
| MORRISTOWN               | 39.8            | 21.0            | 30.4    |                                | 59      | 4    | 2      | 30   | 1066        | 0                       | 7            | 28            | 0            |       | 3.28                           |              | +.92 | 18          |                      |             |             |             |              | 10 | 2 | 0 |
| PHILADELPHIA INST OF TEC | 41.5            | 25.9            | 33.7    |                                | 58      | 5    | 12     | 31+  | 963         | 0                       | 3            | 24            | 0            |       | 3.38                           |              | +.84 | 18          |                      |             |             |             |              | 9  | 1 | 0 |
| PHILADELPHIA WB AP       | 39.9            | 28.8            | 34.4    |                                | 57      | 5    | 15     | 16   | 943         | 0                       | 6            | 22            | 0            |       | 3.28                           |              | 1.08 | 18          | 4.7                  | 3           | 23          | 7           | 2            | 1  |   |   |
| PHILADELPHIA WB AP       | 38.7            | 23.2            | 31.0    | -4.9                           | 55      | 5    | 10     | 31   | 1049        | 0                       | 7            | 27            | 0            |       | 2.78                           | -.11         | +.82 | 18          | 5.2                  | 2           | 25+         | 7           | 2            | 0  |   |   |
| PHILADELPHIA PT BREEZE   |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| PHOENIXVILLE 1 E         | 41.1            | 30.7            | 35.9    | -1.3                           | 57      | 3    | 17     | 16   | 893         | 0                       | 3            | 19            | 0            |       | 3.16                           | +.38         | 1.02 | 18          | 4.4                  |             |             |             |              | 8  | 2 | 1 |
| QUAKERTOWN 1 E           | 41.5            | 22.5            | 32.0    | -2.6                           | 58      | 5    | 2      | 31   | 1017        | 0                       | 3            | 29            | 0            |       | 3.88                           | +.50         | 1.13 | 18          | 6.0                  |             |             |             |              | 9  | 3 | 1 |
| READING WB CITY          | 38.6            | 22.7            | 30.7    | -1.1                           | 55      | 5    | 0      | 30   | 1055        | 0                       | 9            | 27            | 1            |       | 3.60                           | +.22         | +.64 | 18          | 10.0                 |             |             |             |              | 10 | 2 | 0 |
| WEST CHESTER             | 40.0            | 27.6            | 33.8    | -1.0                           | 58      | 5    | 14     | 16   | 958         | 0                       | 4            | 21            | 0            |       | 3.21                           | +.41         | +.96 | 18          | 9.9                  | 7           | 25          | 7           | 1            | 0  |   |   |
| WEST CHESTER             | 41.8            | 24.0            | 32.9    | -1.9                           | 59      | 5    | 11     | 16   | 988         | 0                       | 2            | 27            | 0            |       | 2.81                           | -.47         | +.75 | 18          |                      | 4           | 24          | 7           | 1            | 0  |   |   |
| DIVISION                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|                          |                 |                 | 32.1    | -2.2                           |         |      |        |      |             |                         |              |               |              |       | 3.17                           | +.08         |      |             | 7.4                  |             |             |             |              |    |   |   |
| LOWER SUSQUEHANNA        |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| ARENDSVILLE              | 39.1            | 21.5            | 30.3    | -1.9                           | 58      | 5    | 0      | 30   | 1068        | 0                       | 8            | 29            | 1            |       | 3.22                           | +.08         | +.69 | 24          | 12.5                 | 7           | 31+         | 7           | 3            | 0  |   |   |
| BLOESVILLE 1 N           | 39.1            | 23.5            | 31.3    |                                | 56      | 5    | 4      | 31   | 1035        | 0                       | 7            | 26            | 0            |       | 2.84                           | -.16         | +.50 | 18+         | 8.8                  | 5           | 29+         | 9           | 2            | 0  |   |   |
| CARLISLE                 | 39.2            | 25.1            | 32.2    | -.8                            | 56      | 3    | 2      | 30   | 1010        | 0                       | 7            | 26            | 0            |       | 3.25                           | +.17         | +.72 | 18          | 11.0                 | 6           | 27+         | 8           | 4            | 0  |   |   |
| CHAMBERSBURG 1 ESE       | 38.8            | 22.1            | 30.5    | -2.7                           | 58      | 5    | -1     | 29   | 1064        | 0                       | 6            | 27            | 1            |       | 3.06                           | +.09         | +.67 | 18          | 11.6                 | 6           | 24          | 9           | 2            | 0  |   |   |
| GETTYSBURG               | 39.7            | 24.2            | 32.0    | -2.4                           | 57      | 5    | 5      | 30   | 1019        | 0                       | 7            | 27            | 0            |       | 3.30                           | +.35         | +.77 | 18          | 9.5                  | 5           | 31+         | 6           | 3            | 0  |   |   |
| HANOVER                  |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| HARRISBURG WB AP         | 40.4            | 24.4            | 32.4    | -2.1                           | 56      | 6+   | 10     | 31   | 1003        | 0                       | 2            | 24            | 0            |       | 3.31                           | +.22         | +.78 | 24          | 10.5                 | 7           | 25          | 9           | 3            | 0  |   |   |
| MERCERSBURG              | 39.1            | 23.1            | 31.1    | -2.8                           | 59      | 5    | 3      | 30   | 1042        | 0                       | 6            | 28            | 0            |       | 3.42                           | +.86         | +.87 | 24          | 18.8                 | 10          | 25          | 8           | 2            | 0  |   |   |
| SHIPPENSBURG             | 39.8            | 23.6            | 31.7    |                                | 61      | 5    | 8      | 30   | 1021        | 0                       | 6            | 29            | 0            |       | 2.92                           | +.03         | +.75 | 12          | 12.0                 | 6           | 24          | 8           | 1            | 0  |   |   |
| YORK 3 SSW PUMP STA      | 38.8            | 24.5            | 31.7    |                                | 58      | 5    | 7      | 30+  | 1027        | 0                       | 5            | 26            | 0            |       | 3.39                           |              | +.76 | 24          | 14.0                 | 9           | 24          | 6           | 3            | 0  |   |   |
| YORK 3 SSW PUMP STA      | 40.1            | 23.6            | 31.9    | -2.1                           | 57      | 5    | 0      | 30   | 1020        | 0                       | 6            | 27            | 1            |       | 3.26                           | +.34         | +.87 | 18          | 12.1                 | 8           | 28          | 7           | 3            | 0  |   |   |
| DIVISION                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|                          |                 |                 | 31.5    | -1.9                           |         |      |        |      |             |                         |              |               |              |       | 3.20                           | -.19         |      |             | 12.1                 |             |             |             |              |    |   |   |
| MIDDLE SUSQUEHANNA       |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| BERWICK                  | 38.4            | 22.6            | 30.5    |                                | 53      | 5+   | -7     | 30   | 1061        | 0                       | 9            | 26            | 1            |       | 2.74                           |              | +.82 | 18          | 14.7                 | 10          | 31+         | 7           | 2            | 0  |   |   |
| ENGLISH CENTER           | 37.9M           | 19.1M           | 28.5M   |                                | 53      | 5+   | -3     | 30   | 1123        | 0                       | 9            | 29            | 3            |       | 1.52                           |              | +.47 | 19          |                      | 3           | 25          | 6           | 0            | 0  |   |   |
| LEWISTOWN                | 39.6            | 24.1            | 31.9    |                                | 57      | 4    | 3      | 31   | 1022        | 0                       | 7            | 28            | 0            |       | 2.17                           |              | +.37 | 19          |                      | 4           | 25          | 9           | 0            | 0  |   |   |
| MILLVILLE 2 SW           | 36.2            | 20.1            | 28.2    |                                | 53      | 4    | -5     | 31+  | 1134        | 0                       | 11           | 30            | 2            |       | 3.17                           |              | +.80 | 25          | 19.5                 | 13          | 25          | 11          | 1            | 0  |   |   |
| NEWPORT                  | 38.9            | 21.9            | 30.4    |                                | 56      | 5+   | -2     | 31+  | 1063        | 0                       | 7            | 28            | 2            |       | 2.76                           | -.33         | +.70 | 18          |                      |             |             |             |              | 8  | 1 | 0 |
| SUNBURY                  |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| TOWER CITY 1 S           | 38.4            | 21.6            | 30.0    |                                | 54      | 4    | -5     | 30   | 1077        | 0                       | 9            | 29            | 2            |       | 2.86                           | -.41         | +.49 | 25          | 13.0                 | 8           | 25          | 12          | 0            | 0  |   |   |
| WILLIAMSPORT WB AP       | 37.6            | 21.5            | 29.6    |                                | 53      | 5    | -4     | 30   | 1089        | 0                       | 10           | 26            | 2            |       | 3.06                           |              | +.52 | 18          | 9.0                  | 4           | 31+         | 9           | 1            | 0  |   |   |
| WILLIAMSPORT WB AP       | 37.8            | 22.8            | 30.3    | -.6                            | 53      | 5    | 0      | 30   | 1069        | 0                       | 8            | 27            | 1            |       | 2.53                           | -.14         | +.63 | 18          | 11.3                 | 6           | 25          | 7           | 1            | 0  |   |   |
| DIVISION                 |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
|                          |                 |                 | 29.9    | -1.3                           |         |      |        |      |             |                         |              |               |              |       | 2.60                           | -.34         |      |             | 13.5                 |             |             |             |              |    |   |   |
| UPPER SUSQUEHANNA        |                 |                 |         |                                |         |      |        |      |             |                         |              |               |              |       |                                |              |      |             |                      |             |             |             |              |    |   |   |
| AUSTINBURG 2 W           | 33.9            | 20.3            | 27.1    |                                | 53      | 5    | -4     | 16   | 1170        | 0                       | 14           | 28            | 1            |       |                                |              |      |             |                      |             |             |             |              |    |   |   |

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DECEMBER 1961

CONTINUED

| Station                 | Temperature     |                 |         |                                |         |      |        |      |             |             |      |             |              | Precipitation |                                |              |      |              |             |       |                      |      |             |             |
|-------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|-------------|------|-------------|--------------|---------------|--------------------------------|--------------|------|--------------|-------------|-------|----------------------|------|-------------|-------------|
|                         | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days |      |             |              | Total         | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet  |             |       | No. of Days          |      |             |             |
|                         |                 |                 |         |                                |         |      |        |      |             | Max.        | Min. | 1° or Above | 32° or Below |               |                                |              |      | 37° or Below | 0° or Below | Total | Max. Depth on Ground | Date | 1.0 or More | .50 or More |
|                         |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| CENTRAL MOUNTAINS       |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| BELLEFONTE 4 S          | 36.7            | 21.4            | 29.1    |                                | 56      | 5    | 3      | 30+  | 1105        | 0           | 11   | 27          | 0            | 1.59          |                                | .31          | 19   |              | 4           | 25+   | 7                    | 0    | 0           |             |
| OU BOIS 7 E             | 35.5            | 20.4            | 28.0    |                                | 54      | 5+   | - 3    | 29   | 1142        | 0           | 14   | 29          | 1            | 1.89          |                                | .47          | 5    | 9.0          | 4           | 30+   | 6                    | 0    | 0           |             |
| EMPORIUM 1 N            | 32.5            | 17.9            | 25.2    |                                | 52      | 5    | 0      | 30+  | 1227        | 0           | 15   | 30          | 3            | 1.77          |                                | .29          | 18   | 4.3          | 2           | 31+   | 8                    | 0    | 0           |             |
| LOCK HAVEN              | 37.0            | 21.6            | 29.3    | - 2.0                          | 52      | 5    | 1      | 16   | 1101        | 0           | 9    | 28          | 0            | 1.64          | - 1.23                         | .29          | 19+  | 6.5          | 6           | 25    | 8                    | 0    | 0           |             |
| MAOERA                  | 34.4            | 18.6            | 26.5    |                                | 54      | 5    | 3      | 30   | 1188        | 0           | 14   | 30          | 0            | 2.22          |                                | .43          | 19   | 9.3          | 6           | 26+   | 9                    | 0    | 0           |             |
| PHILIPSBURG FAA AP      |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| RENOVO                  | 37.3            | 21.3            | 29.3    |                                | 56      | 4    | 4      | 31+  | 1100        | 0           | 11   | 29          | 0            | 1.75          | -.90                           | .38          | 19   | 3.0          | 3           | 26+   | 8                    | 0    | 0           |             |
| RIOGWAY 3 W             | 36.1            | 20.4            | 28.3    | .8                             | 57      | 4    | - 1    | 29   | 1133        | 0           | 13   | 28          | 1            | 2.10          | -.74                           | .32          | 5    | 8.2          | 4           | 31+   | 8                    | 0    | 0           |             |
| STATE COLLEGE           | 35.9            | 22.6            | 29.3    | - 1.3                          | 54      | 5    | 8      | 30+  | 1102        | 0           | 14   | 27          | 0            | 1.87          | -.96                           | .41          | 19   | 10.0         | 8           | 25    | 7                    | 0    | 0           |             |
| DIVISION                |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
|                         |                 |                 | 27.9    | -.9                            |         |      |        |      |             |             |      |             |              | 1.77          | - 1.12                         |              |      | 7.2          |             |       |                      |      |             |             |
| SOUTH CENTRAL MOUNTAINS |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| ALTOONA HORSESHOE CURVE | 36.2            | 21.8            | 29.0    | - 1.3                          | 54      | 5+   | 5      | 30   | 1107        | 0           | 13   | 27          | 0            | 2.95          | -.10                           | .57          | 18   | 14.8         | 6           | 24    | 9                    | 2    | 0           |             |
| BURNT CABINS 2 NE       | 41.6M           | 22.0M           | 31.8M   |                                | 60      | 5+   | 2      | 30   | 1022        | 0           | 5    |             | 0            |               |                                |              |      | 9.1          |             |       |                      |      |             |             |
| EBENSBURG               | 35.5            | 19.7            | 27.6    | - 1.1                          | 55      | 4    | 4      | 29   | 1151        | 0           | 14   | 28          | 0            | 2.70          | -.84                           | .32          | 19   | 15.0         | 7           | 25    | 11                   | 0    | 0           |             |
| EVERETT 1 SW            | 38.6            | 23.1            | 30.9    |                                | 59      | 5    | 11     | 30   | 1052        | 0           | 10   | 24          | 0            | 2.55          |                                | .54          | 12   | 10.0         |             |       |                      | 7    | 1           |             |
| HUNTINGOON              | 38.2            | 22.1            | 30.2    | - 1.4                          | 57      | 5    | 3      | 30   | 1073        | 0           | 10   | 28          | 0            | 2.85          | .08                            | .44          | 19   |              | 6           | 26+   | 10                   | 0    | 0           |             |
| JOHNSTOWN               |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| KEGG                    | 35.6            | 24.1            | 29.9    | - 2.6                          | 51      | 6+   | 10     | 29+  | 1083        | 0           | 11   | 24          | 0            | 3.69          | .24                            | .77          | 18   | 9.8          | 5           | 26    | 11                   | 1    | 0           |             |
| MARTINSBURG FAA AP      | 40.2            | 21.6            | 30.9    |                                | 59      | 5    | 9      | 29   | 1047        | 0           | 9    | 28          | 0            | 2.54          |                                | .59          | 12   | 6.8          |             |       |                      | 2    | 0           |             |
|                         | 37.8            | 24.9            | 31.4    |                                | 56      | 5    | 10     | 16   | 1035        | 0           | 12   | 24          | 0            | 2.09          |                                | .64          | 18   |              | 4           | 26+   | 6                    | 1    | 0           |             |
| DIVISION                |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
|                         |                 |                 | 30.2    | -.8                            |         |      |        |      |             |             |      |             |              | 2.77          | -.17                           |              |      | 10.9         |             |       |                      |      |             |             |
| SOUTHWEST PLATEAU       |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| BAKERSTOWN 3 WNW        | 41.0            | 23.3            | 32.2    |                                | 62      | 5+   | 1      | 29   | 1013        | 0           | 6    | 24          | 0            | 1.97          |                                | .39          | 10   | 4.6          | 3           | 25+   | 6                    | 0    | 0           |             |
| BLAIRSVILLE 6 ENE       | 35.9            | 22.4            | 29.2    |                                | 59      | 4    | 4      | 29   | 1104        | 0           | 16   | 25          | 0            | 3.72          |                                | .59          | 17   | 16.9         | 9           | 30    | 14                   | 2    | 0           |             |
| BURGETTSTOWN 2 W        | 39.1            | 20.5            | 29.8    |                                | 63      | 5    | 2      | 31   | 1082        | 0           | 10   | 27          | 0            | 1.85          |                                | .38          | 17   |              | 1           | 31+   | 6                    | 0    | 0           |             |
| BUTLER                  | 39.4M           | 19.3M           | 29.4M   | - 2.4                          | 63      | 5    | 1      | 30+  | 1101        | 0           | 8    |             | 0            | 2.10          | -.67                           | .61          | 5    |              |             |       |                      |      |             |             |
| CLAYSVILLE 3 W          | 43.7M           | 23.5M           | 33.6M   | 1.4                            | 64      | 5+   | 3      | 29   | 968         | 0           | 7    | 25          | 0            | 2.20          | -.62                           | .43          | 17   | 2.0          | 2           | 25+   | 8                    | 0    | 0           |             |
| CONFLUENCE 1 SW OAM     |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| OONEGAL                 | 38.5            | 21.7            | 30.1    |                                | 63      | 5    | 8      | 31   | 1076        | 0           | 9    | 28          | 0            | 3.40          |                                | .89          | 17   | 7.0          | 2           | 31+   | 7                    | 3    | 0           |             |
| OOHORA                  | 40.8            | 20.6            | 30.7    |                                | 61      | 5    | 4      | 29   | 1054        | 0           | 9    | 26          | 0            | 3.65          |                                | .60          | 17   |              |             |       |                      | 10   | 1           |             |
| FORO CITY 4 S OAM       | 43.9            | 19.5            | 31.7    | - 4.3                          | 63      | 5+   | 0      | 29   | 1023        | 0           | 5    | 31          | 1            | 2.31          | -.08                           | .53          | 18   | 4.5          | 3           | 26+   | 7                    | 1    | 0           |             |
| INDIANA 3 SE            | 38.7            | 21.8            | 30.3    |                                | 64      | 5    | 6      | 30+  | 1069        | 0           | 11   | 25          | 0            | 2.30          |                                | .44          | 17   | 5.5          | 3           | 26+   | 9                    | 0    | 0           |             |
|                         | 39.7            | 22.4            | 31.1    |                                | 63      | 5+   | 7      | 30+  | 1045        | 0           | 11   | 25          | 0            | 2.06          |                                | .47          | 17   | 7.2          | 3           | 31+   | 9                    | 0    | 0           |             |
| MARION CENTER 2 SE      |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| NEW CASTLE 1 N          | 35.2            | 21.1            | 28.2    |                                | 60      | 4    | 3      | 29   | 1137        | 0           | 15   | 26          | 0            | 2.65          |                                | .45          | 17   | 13.3         | 6           | 31+   | 9                    | 0    | 0           |             |
| NEWELL                  | 40.8            | 23.8            | 32.3    | .5                             | 63      | 4    | - 1    | 29   | 1008        | 0           | 8    | 26          | 1            | 1.51          | - 1.02                         | .32          | 28   | 4.7          | 3           | 25    | 6                    | 0    | 0           |             |
| NEW STANTON             | 41.9            | 27.1            | 34.5    |                                | 62      | 5    | 12     | 31+  | 936         | 0           | 8    | 20          | 0            | 2.80          |                                | .55          | 17   | 4.0          | 2           | 28+   | 10                   | 2    | 0           |             |
| PITTSBURGH WB AP 2 //R  | 41.8            | 23.1            | 32.5    |                                | 63      | 4    | 8      | 31+  | 1000        | 0           | 9    | 27          | 0            | 2.58          |                                | .86          | 19   |              |             |       |                      | 6    | 2           |             |
|                         | 38.1            | 24.4            | 31.3    | .4                             | 63      | 4    | 4      | 29   | 1039        | 0           | 13   | 25          | 0            | 1.71          | -.80                           | .27          | 18   | 5.6          | 2           | 25    | 9                    | 0    | 0           |             |
| PITTSBURGH WB CITY R    |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| PUNEVILLE 2 SE OAM      | 40.9            | 27.4            | 34.2    | - 1.0                          | 65      | 4    | 7      | 29   | 949         | 0           | 8    | 22          | 0            | 1.66          | -.91                           | .32          | 10   | 5.5          |             |       |                      | 7    | 0           |             |
| SALINA 3 W              | 36.8            | 16.7            | 26.8    |                                | 60      | 5    | 0      | 29   | 1178        | 0           | 12   | 31          | 1            | 2.00          |                                | .35          | 10   | 8.5          | 5           | 31+   | 8                    | 0    | 0           |             |
| SLIPPERY ROCK           | 41.0M           | 23.4M           | 32.2M   |                                | 62      | 5    | 6      | 29   | 1009        | 0           | 9    | 25          | 0            | 1.89          |                                | .47          | 17   | 5.5          | 3           | 25+   | 6                    | 0    | 0           |             |
| STOYSTOWN               | 38.0            | 22.6            | 30.3    |                                | 60      | 5+   | - 2    | 29   | 1070        | 0           | 13   | 27          | 1            | 1.45          |                                | .31          | 28   | 5.0          | 3           | 26+   | 5                    | 0    | 0           |             |
|                         | 38.7            | 20.9            | 29.8    |                                | 59      | 5    | 2      | 29   | 1142        | 0           | 15   | 26          | 0            | 3.07          |                                | .57          | 17   | 10.5         |             |       |                      | 10   | 1           |             |
| UNIONTOWN               |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| WAYNESBURG 2 W          | 43.1            | 26.5            | 34.8    | -.4                            | 63      | 4    | 10     | 31+  | 928         | 0           | 5    | 22          | 0            | 3.13          | .39                            | .57          | 18   | 8.0          | 3           | 25+   | 11                   | 1    | 0           |             |
|                         | 43.6            | 23.0            | 33.3    | -.2                            | 65      | 5+   | 2      | 31   | 973         | 0           | 8    | 25          | 0            | 2.77          | .16                            | .57          | 17   | 9.0          | 5           | 24    | 9                    | 1    | 0           |             |
| DIVISION                |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
|                         |                 |                 | 31.3    | - 1.0                          |         |      |        |      |             |             |      |             |              | 2.40          | -.40                           |              |      | 7.1          |             |       |                      |      |             |             |
| NORTHWEST PLATEAU       |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| BRAOFCO FAA AIRPORT     | 32.5            | 18.6            | 25.6    |                                | 54      | 4    | - 1    | 29   | 1215        | 0           | 16   | 26          | 2            | 1.79          |                                | .32          | 19   | 7.5          | 4           | 31+   | 7                    | 0    | 0           |             |
| BRAOFCO 4 W RES         | 34.9            | 17.5            | 26.2    |                                | 57      | 4    | - 7    | 16   | 1193        | 0           | 15   | 31          | 3            | 1.82          |                                | .57          | 5    | 14.7         | 6           | 8     | 5                    | 1    | 0           |             |
| BROOKVILLE FAA AIRPORT  | 35.0            | 20.7            | 27.9    |                                | 59      | 4    | 4      | 29   | 1141        | 0           | 15   | 29          | 0            | 2.34          |                                | .39          | 24   | 8.5          | 6           | 26+   | 8                    | 0    | 0           |             |
| CLARION 3 SW            | 30.2            | 16.6            | 23.4    |                                | 54      | 4    | - 3    | 29   | 1282        | 0           | 19   | 31          | 1            | 1.98          |                                | .40          | 12   | 7.3          | 5           | 26+   | 8                    | 0    | 0           |             |
| CLERMONT 4 NW           | 35.0            | 19.1            | 27.1    |                                | 48      | 4+   | - 4    | 29   | 1173        | 0           | 13   | 29          | 3            | 2.31          |                                | .46          | 5    | 14.5         | 6           | 26+   | 10                   | 0    | 0           |             |
| CONNEAUTVILLE           |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| CORRY                   | 35.1            | 19.9            | 27.5    |                                | 59      | 5    | - 5    | 29   | 1155        | 0           | 14   | 30          | 2            | 2.43          |                                | .71          | 5    |              | 11          | 8     | 8                    | 1    | 0           |             |
| COUDERSPORT 3 NW        | 35.6            | 20.5            | 28.1    | -.5                            | 57      | 4    | - 5    | 29   | 1137        | 0           | 14   | 26          | 1            | 3.30          | -.26                           | .86          | 5    | 36.3         | 15          | 8     | 9                    | 2    | 0           |             |
| EAST BRAOY              | 32.0            | 16.6            | 24.3    |                                | 51      | 5    | - 6    | 30   | 1252        | 0           | 16   | 31          | 3            | 1.44          |                                | .19          | 20   | 9.3          | 4           | 31    | 7                    | 0    | 0           |             |
| ERIE WB AIRPORT         | 39.4            | 23.4            | 31.4    |                                | 62      | 4    | 3      | 29   | 1032        | 0           | 9    | 26          | 0            | 2.70          |                                | .51          | 27   |              | 4           | 25+   | 8                    | 2    | 0           |             |
|                         | 36.7            | 25.0            | 30.9    | .2                             | 61      | 4    | 0      | 29   | 1051        | 0           | 15   | 23          | 1            | 2.84          | .45                            | .74          | 4    | 11.9         | 4           | 14    | 7                    | 1    | 0           |             |
| FARRELL SHARON          |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| FRANKLIN                | 40.7            | 26.4            | 33.6    | 1.5                            | 63      | 4    | 1      | 29   | 967         | 0           | 8    | 24          | 0            | 1.85          | -.56                           | .42          | 24   |              |             |       |                      | 5    | 0           |             |
| GREENVILLE              | 38.5M           | 23.1M           | 30.8M   | .8                             | 61      | 4    | - 1    | 29   | 1056        | 0           | 10   | 27          | 1            | 1.54          | - 1.00                         | .50          | 5    | 5.0          | 5           | 31+   | 5                    | 1    | 0           |             |
| JAMESTOWN 2 NW          | 39.0            | 22.9            | 31.0    | .3                             | 61      | 4    | - 3    | 29   | 1050        | 0           | 12   | 26          | 1            | 1.14          | - 1.42                         | .24          | 17   | 13.0         | 4           | 31+   | 4                    | 0    | 0           |             |
| KANE 1 NNE              | 36.1            | 18.8            | 27.5    |                                | 60      | 5    | - 6    | 29   | 1158        | 0           | 12   | 31          | 2            | 1.73          | -.54                           | .44          | 5    | 16.3         | 7           | 8     | 6                    | 0    | 0           |             |
|                         | 32.7            | 17.4            | 25.1    |                                | 56      | 5    | - 3    | 30+  | 1231        | 0           | 15   | 29          | 4            | 2.06          |                                | .49          | 5    | 12.4         | 6           | 28+   | 6                    | 0    | 0           |             |
| HEAOVILLE 1 S           |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
| MERCER 2 NNE            | 35.5            | 20.0            | 27.8    | - 1.6                          | 60      | 5    | - 2    | 30+  | 1145        | 0           | 11   | 30          | 2            | 2.01          | -.70                           | .52          | 5    | 22.4         | 6           | 8     | 8                    | 1    | 0           |             |
| TIONESTA 2 SE OAM       | 40.3            | 19.2M           | 29.8M   |                                | 61      | 4    | - 6    | 29   | 1098        | 0           | 9    | 29          | 2            | 1.67          |                                | .48          | 5    | 7.0          | 3           | 31+   | 6                    | 0    | 0           |             |
| TITUSVILLE WATER WORKS  | 35.0            | 19.1            | 27.1    |                                | 60      | 5    | 0      | 30+  | 1169        | 0           | 12   | 30          | 2            | 1.91          |                                | .34          | 5    | 14.5         | 6           | 31+   | 7                    | 0    | 0           |             |
| WARREN                  | 33.8            | 17.5            | 25.7    |                                | 57      | 4    | - 5    | 29   | 1213        | 0           | 16   | 31          | 3            | 1.79          |                                | .47          | 5    | 20.2         | 6           | 31+   | 8                    | 0    | 0           |             |
|                         | 36.6            | 22.3            | 29.5    | -.5                            | 59      | 4    | 1      | 29   | 1097        | 0           | 13   | 27          | 0            | 1.62          | - 1.44                         | .40          | 5    | 16.5         | 5           | 8     | 5                    | 0    | 0           |             |
| DIVISION                |                 |                 |         |                                |         |      |        |      |             |             |      |             |              |               |                                |              |      |              |             |       |                      |      |             |             |
|                         |                 |                 | 28.0    | - 1.3                          |         |      |        |      |             |             |      |             |              | 2.01          | -.81                           |              |      | 14.0         |             |       |                      |      |             |             |

See Reference Notes Following Station Index

# DAILY PRECIPITATION

PENNSYLVANIA  
OCTOBER 1961

| Station                 | Total | Day of Month |     |   |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |      |      |     |      |     |     |     |     |     |   |   |   |
|-------------------------|-------|--------------|-----|---|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|-----|-----|---|---|---|
|                         |       | 1            | 2   | 3 | 4   | 5   | 6   | 7   | 8    | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20   | 21  | 22  | 23  | 24  | 25   | 26   | 27  | 28   | 29  | 30  | 31  |     |     |   |   |   |
| ACHTONIA LOCK 3         | 1.80  |              |     |   | .11 |     |     |     |      |     |     | .27 | .09 | .03 | T   |     | T   |     |     | .40 | .03  | .35 | .14 | .02 | T   |      | .12  | .08 | T    | T   |     | .14 | .01 | .01 |   |   |   |
| ALLENTOWN WB AP         | 3.84  |              |     |   | .20 |     |     |     |      |     |     | .23 | .02 | .45 | T   |     |     |     |     | .24 | 1.11 | .11 | .02 | T   |     | .44  | .31  | T   |      |     | .51 |     |     |     | T | . |   |
| ALLENTOWN GAS CO        | 3.80  |              |     |   | .07 |     |     |     |      |     |     | .37 | .07 | .30 | .20 |     |     |     |     | .22 | .73  | .41 | .09 | T   |     | .55  | .30  | T   |      |     | .35 | .11 | T   |     | . |   |   |
| ALTOONA HORSESHOE CURVE | D2.95 |              |     |   | .05 |     |     | .15 | D.05 | .04 |     | .14 | .29 | .02 |     |     |     |     | .27 | .57 | .29  | .12 | .06 |     | T   | .50  | .09  | .02 |      |     | .35 | .11 | T   |     | . |   |   |
| ARENDSVILLE             | 3.22  |              |     |   | .05 |     |     |     |      |     |     | .32 | .06 | .06 |     |     |     |     | .47 | .54 | .10  | .07 |     |     |     | .69  | .10  |     |      |     | .15 | .05 |     |     | . |   |   |
| AUSTINBURG 2 W          | 1.04  | T            |     |   | .10 |     |     | .12 |      | T   |     | .04 | T   |     |     |     |     |     | T   | .68 | .08  | T   |     |     | .16 | T    |      |     |      | .06 | T   |     |     |     | . |   |   |
| BAKERSTOWN 3 WNW        | 1.97  |              |     |   | .21 |     |     |     | .03  |     |     | .39 | .01 | .05 | .02 |     |     |     | .38 | .27 | .04  | .03 | T   | .02 | .28 | .02  | T    | .18 | T    | .04 | .02 | T   |     |     | . |   |   |
| BARNES                  | 1.94  |              |     |   | .03 |     | .01 | .06 | .04  |     |     | .11 | .05 | .12 | .12 | .02 | .02 |     | .02 | .05 | .05  | .22 | .05 | .06 | .02 | .15  | .09  | .10 | .05  | .29 | .08 | .02 | .08 |     | . |   |   |
| BEAR CREEK DAM          | 2.52  |              |     |   | .19 |     |     |     |      |     |     | .39 | .07 | .10 | .01 |     |     |     | .11 | .35 | .38  | .16 |     |     |     | .37  | .09  |     |      | .25 | .05 |     |     |     | . |   |   |
| BEAR GAP                | 3.33  |              |     |   | .17 |     |     |     |      | .28 |     | .22 | .03 |     |     |     |     | .16 | .92 | .07 |      |     | .04 |     |     | .52  | .43  |     |      | .49 |     |     |     |     | . |   |   |
| BEAVER FALLS            | 1.92  |              |     |   | .48 |     |     |     |      |     |     | .14 | .03 | .02 | T   |     | .02 | T   | .26 | .02 | .19  | .06 | T   | T   | .18 | .10  | T    | .02 | .34  | .01 | .05 | T   |     | .   |   |   |   |
| BEAVERTOWN              | 2.44  |              |     |   | .26 |     |     |     |      |     |     | .26 | .17 |     |     |     |     |     | .15 | .21 | .49  | .11 |     |     | .31 | .43  |      |     | .19  | T   |     |     |     |     | . |   |   |
| BECHTLESVILLE           | 3.70  |              |     |   | .06 |     | .03 |     |      |     |     | .40 | .02 | .37 | .22 |     |     |     | .37 | .52 | .52  | .11 |     |     | .54 | .28  |      |     | .16  | .10 |     |     |     |     | . |   |   |
| BELLEFONTE 4 S          | 1.59  |              |     |   | .02 |     |     |     |      |     |     | .18 | .11 |     |     |     |     |     | .20 | .20 | .31  | .02 | T   | T   | .28 | .25  |      |     | .07  |     |     |     |     |     | . |   |   |
| BERNE                   | 2.92  |              |     |   |     |     | .08 |     |      |     |     | .30 | .04 | .28 | .16 |     |     |     | .21 | .61 | .38  | .08 |     |     | .42 | .25  |      |     | .11  | T   |     |     |     |     | . |   |   |
| BERWICK                 | 2.74  |              |     |   | .05 | .10 |     |     |      |     |     | .27 | .15 |     |     |     |     |     | .12 | .82 | .08  | .07 | T   | T   | T   | .80  |      |     | .28  |     |     |     |     |     | . |   |   |
| BETHLEHEM               | 3.41  |              |     |   | .02 |     | .08 |     |      |     |     | .58 | .06 | .27 | .13 |     |     | .02 | .50 | .85 | .02  | T   |     |     |     | .16  | .31  |     |      | .30 | .13 |     |     |     |   | . |   |
| BETHLEHEM LEHIGH UNIV   |       |              |     |   | .08 |     |     |     |      |     |     | .58 | .06 | .27 | .13 |     |     | .02 | .50 | .85 | .02  | T   |     |     |     | .16  | .31  |     |      | .30 | .13 |     |     |     |   | . |   |
| BLAIRSVILLE 6 ENE       | 3.72  |              |     |   | .01 | .11 |     | .04 | .07  | .20 |     | .17 | .16 | .03 |     |     | T   | T   | .59 | .54 | .27  | .24 | .12 | .01 | T   | .48  | .15  | .19 | .16  | .06 | .10 |     | .02 |     | . |   |   |
| BLOSSERVILLE 1 N        | 2.84  |              |     |   | .02 |     |     |     |      |     |     | .19 | T   | .45 | .12 |     |     |     | .50 | .50 | .33  | .02 | T   |     | .41 | .10  |      |     | .20  |     |     |     |     |     | . |   |   |
| BOSWELL 1 SW            | 4.02  |              |     |   | .50 |     |     | .14 | T    |     | .53 | T   | .46 | .12 | T   | T   | T   |     | .35 | .32 | .33  | .48 | .17 | T   | T   | .25  | .24  | .03 | .05  | .02 | .03 | T   |     |     | . |   |   |
| BRADDOCK LOCK 2         | 1.82  |              |     |   | .11 |     |     |     |      |     |     | .38 | .09 | .02 | T   |     |     |     | .38 | .06 | .24  | .12 | T   |     | .14 | .10  | .01  |     | .15  | .01 | .01 |     |     |     | . |   |   |
| BRADFORD FAA AIRPORT    | 1.79  |              |     |   | .06 | .11 |     | .07 | .07  | .01 | .07 | T   | .18 | T   |     | T   | .10 | T   | .17 | T   | .32  | .16 | .06 | .05 | .02 | .08  | .06  | T   | .17  | .01 | T   | .01 |     |     | . |   |   |
| BRADFORD CNTRL FIRE STA | 1.61  |              |     |   | .51 |     | .01 | .02 | .19  | .01 | .01 | .01 | .03 | .13 |     |     | .02 |     | .17 | .01 | .01  | .12 | .09 | .01 | .02 | .02  | .04  | .01 | .16  | T   | T   |     |     |     | . |   |   |
| BRADFORD 4 W RES        | 1.82  |              |     |   |     |     |     | .06 | .09  |     | .04 | .10 | .09 | .02 |     |     |     |     | .20 | T   | .08  | .17 | .05 | T   | T   | .06  | .02  | .03 | .21  | T   |     |     |     |     | . |   |   |
| BREEZEWOOD              | 2.62  |              |     |   | .12 | .09 |     |     |      |     |     |     |     |     | .42 |     |     |     | .80 | .38 |      |     |     |     |     | .42  | .10  |     |      | .16 |     |     |     |     | . |   |   |
| BROOKVILLE FAA AIRPORT  | 2.34  |              |     |   | .18 | .23 |     | .02 | .04  | .05 | .26 | T   | .09 | T   |     | .01 | .03 |     | .25 | .44 | .14  | .03 | .01 | .03 | .07 | .39  | .04  | .12 | .04  | .02 | .05 | T   |     |     | . |   |   |
| BRUCETON 1 S            | 1.98  |              |     |   | .26 |     |     | .02 |      |     |     | .38 | .02 |     |     |     |     |     | .59 | .19 | .10  | .03 | .03 |     |     | .36  |      |     | .36  |     |     |     |     |     | . |   |   |
| BUFFALO HILLS           | 2.65  |              |     |   |     |     |     |     |      |     |     | .34 | .05 | .65 |     |     |     |     | .39 | .36 | .25  | .20 |     |     | .33 | .05  |      |     | .03  |     |     |     |     |     | . |   |   |
| BURGESSVILLE 2 W        | 1.85  |              |     |   | .33 |     |     | T   | T    | T   | .30 | .01 | .01 |     |     |     |     | .38 | .08 | .21 | .08  | .01 | .03 |     | .11 | .03  | T    | .25 | T    | .02 |     |     |     |     | . |   |   |
| BURNT CABINS 2 NE       | -     |              |     |   |     |     |     |     |      |     | .20 | .65 |     |     |     |     |     |     |     |     |      |     |     |     |     | D.03 | D.65 |     | D.20 |     |     |     |     |     |   | . |   |
| BUTLER                  | 2.10  |              |     |   | .61 |     |     |     |      |     |     | .34 | .05 |     |     |     |     |     | .52 | .07 | .05  | .01 |     |     |     | .14  | .03  | .28 | T    |     |     |     |     |     | . |   |   |
| CAMP HILL               | 3.74  |              |     |   | .03 |     |     |     |      |     |     | .40 | .05 |     |     |     |     |     | .32 | .80 | .75  |     |     |     | .26 | .95  |      |     | .18  |     |     |     |     |     |   | . |   |
| CAMP KLING              | 1.52  |              |     |   | .08 |     |     |     |      |     |     | .08 |     |     |     | .05 |     |     | .21 | .13 | .44  | .13 |     |     | .03 | .18  |      |     | .03  | .06 |     |     |     |     |   | . |   |
| CANTON 1 NW             | 1.65  |              | .04 |   | .21 |     |     |     |      |     | .02 | .28 | T   |     | .02 |     |     |     | .09 | .08 | .45  | .03 | T   | T   |     | .18  | .12  | T   |      |     |     |     |     |     |   | . |   |
| CARLISLE                | 3.25  |              |     |   | .04 |     |     |     |      |     | .26 |     | .58 | .20 |     |     |     |     | .50 | .72 | .03  |     |     |     | .19 | .53  |      |     | .20  |     |     |     |     |     |   | . |   |
| CARROLLTOWN 2 SSE       | 2.29  |              |     |   | .31 |     |     | .01 | T    |     | .20 | .02 | .15 | .07 | T   |     |     |     | .36 | .23 | .34  | .21 | .03 | .02 | .15 | .07  | .02  |     | .05  | .03 | .02 | T   |     |     |   | . |   |
| CEDAR RUN               | 1.59  |              |     |   | .10 |     |     |     |      |     | .05 | T   | .24 | .01 | T   |     |     |     | .34 | T   | .20  | .13 | T   | .07 | T   | .30  | T    |     | .07  | .08 | T   |     |     |     | . |   |   |
| CHAMBERSBURG 1 ESE      | 3.06  |              |     |   | .02 |     |     | .26 |      | .07 | .05 | .64 |     |     |     |     | .10 |     | .31 | .67 | .10  |     | T   |     | .20 | .41  |      |     | .03  |     |     |     |     |     |   | . |   |
| CHARLEROI LOCK 4        | 2.31  |              |     |   | .27 |     |     | .01 |      |     | .38 | .04 | .07 | .02 |     |     |     |     | .41 | .22 | .34  | .14 | T   |     | .07 | .12  | .01  | .03 | .20  |     | .01 | T   |     |     |   | . |   |
| CLARENCE 1 E            | 1.88  |              |     |   | .12 |     |     | .03 |      |     | .17 | .05 | .06 | .12 |     |     |     |     | .09 | .12 | .34  | .21 | T   | .03 | .18 | .20  | T    | T   | T    |     |     |     |     |     |   | . |   |
| CLARION 3 W             | 1.98  |              |     |   | .21 |     |     | .01 | .01  | .01 | .19 | .09 | .40 | T   |     |     |     |     | .11 | .10 | .03  | .09 | .04 | .01 | .22 | .15  |      |     | .26  | .01 | .03 | .01 |     |     |   | . |   |
| CLAUSVILLE              | 3.66  |              |     |   | .09 |     |     | .02 |      |     | .28 | .11 | .29 | .14 |     |     |     |     | .27 | .69 | .35  | .11 |     |     | .53 | .32  | .05  |     | .32  | .05 |     |     |     |     |   | . |   |
| CLAYSVILLE 3 W          | 2.20  |              |     |   | .29 |     |     |     |      |     | .30 | T   |     |     |     |     |     |     | .43 | .14 | .24  | .23 |     |     | .18 | .05  |      |     | .21  | T   | .03 |     |     |     |   | . |   |
| CLEARFIELD              | 2.62  |              |     |   | .12 |     |     | .07 | .04  |     | .24 | .09 | .09 | .15 | .09 |     |     |     | .21 | .25 | .18  | .12 | .12 | .08 | .18 | .20  | .05  | T   | .16  |     |     |     |     |     |   | . |   |
| CLERMONT 4 NW           | 2.31  | T            |     |   | .46 | T   | .12 | .12 | .06  |     | .04 | .06 | .04 | .32 | .02 | .03 |     |     | .20 | .11 | .11  | .06 | .12 | .06 | .13 | .06  | T    | .03 | .12  | .04 |     |     |     |     |   | . |   |
| COATESVILLE 1 SW        | 3.28  |              |     |   | .03 |     |     |     |      |     | .20 | T   | .50 | .23 |     |     |     |     | .41 | .82 | .26  | .05 |     |     | .39 | .12  |      |     | .20  | .07 |     |     |     |     |   | . |   |
| CONFLUENCE 1 SW DAM     | 3.40  |              |     |   | .11 |     |     |     |      |     | .51 | .02 | .59 | .06 | T   |     |     |     | .89 | .40 | .28  | .26 | .01 | T   | .08 | .06  | T    | .09 | .01  | .03 | T   |     |     |     |   | . |   |
| CONFLUENCE 1 NW         | 3.42  |              |     |   | .22 |     |     |     |      |     | .55 | .01 | .49 | .06 | T   |     |     |     | .88 | .39 | .22  | .33 | .02 | .02 | .08 | .10  | T    | .14 | .03  | T   |     |     |     |     |   | . |   |
| CONNEAUTVILLE           | 2.43  |              |     |   | .71 | T   | T   | .47 | T    | T   | T   | T   | T   | .10 | .03 |     |     |     | .03 | .11 | T    | .40 | .14 | .08 | .17 | T    | .03  | .02 | .14  | T   |     |     |     |     |   | . |   |
| CONNEAUTVILLE 6 E       | 2.54  |              |     |   | .58 | .02 | T   | .42 | .02  |     | .09 | T   |     | .06 | .10 | .01 |     |     | .14 |     | .25  | .30 | .02 |     | .22 | T    | T    | .13 | .05  | .08 | .05 | T   |     |     |   | . |   |
| CONNELLSVILLE           | 3.21  |              |     |   | .35 |     |     |     |      |     | .43 | .11 |     |     |     |     |     |     | .62 | .05 | .50  | .47 | .02 | T   | .10 | .20  |      |     | .26  | .05 | .05 |     |     |     |   | . |   |
| CONSMOCCEN              | 3.43  |              |     |   | .08 |     |     |     |      |     | .35 | .06 | .47 | .18 | T   |     |     |     | .60 | .77 | .18  |     |     |     | .35 | .20  | .20  |     | .19  | T   |     |     |     |     |   | . |   |
| COOKSBURG               | 1.78  |              |     |   | .34 |     |     | T   | .06  |     |     | .18 | .05 | .03 | T   | T   |     |     | .24 | .08 | .19  | .08 | .03 |     | *   | *    | *    | *   | .50  |     |     |     |     |     | . |   |   |
| CORAOPOLIS NEVILLE IS   | -     |              |     |   |     |     |     |     |      |     | .63 |     |     |     |     |     |     |     |     |     |      |     |     |     |     |      |      |     |      |     |     |     |     |     |   |   | . |
| CORRY                   | 3.30  |              |     |   | .10 | .86 |     | .50 | .42  | .02 | .08 | .10 | .03 | T   | .03 |     |     |     | .19 |     | .25  | .17 | .07 | .01 | T   | .09  | .07  | .02 | .23  | .02 | .03 | .01 | T   |     |   | . |   |
| COUDERSPORT 3 NW        | 1.44  |              |     |   | .18 | .02 | T   | .12 | .02  |     | .08 | .01 | .03 | .14 | .02 | .02 |     |     | .17 | .01 | .16  | .19 | .09 | .02 | .10 | .02  | .02  |     | .06  | .03 | T   |     |     |     |   | . |   |
| COUDERSPORT 6 E         | 1.68  |              |     |   | .41 |     |     | .05 |      |     | .04 | .02 | .01 | .04 |     |     |     |     | .30 | *   | .25  | .11 |     |     | .14 | .07  | .05  | .22 | .01  |     |     |     |     |     |   | . |   |
| COVINGTON 2 WSW         | .88   |              |     |   | .06 |     |     |     |      |     |     | T   |     | T   |     |     |     |     | T   |     | .38  | T   |     |     | .18 |      | </   |     |      |     |     |     |     |     |   |   |   |



# DAILY PRECIPITATION

PENNSYLVANIA  
DECEMBER 1961

Continued

| Station            | Total | Day of Month |   |   |     |     |   |     |     |     |     |     |     |     |    |    |    |     |     |     |     |     |     |    |     |     |     |    |     |     |    |    |   |
|--------------------|-------|--------------|---|---|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|----|----|---|
|                    |       | 1            | 2 | 3 | 4   | 5   | 6 | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14 | 15 | 16 | 17  | 18  | 19  | 20  | 21  | 22  | 23 | 24  | 25  | 26  | 27 | 28  | 29  | 30 | 31 |   |
| WILLIAMSPORT WB AP | 2.43  |              |   |   | .08 | .13 | T | T   | .09 | .10 |     | .23 |     |     |    |    |    | .02 | .09 | .63 | .31 | T   | .03 | T  | .07 | .38 | T   | T  | .08 | .29 | T  | T  | . |
| WOLFSBURG          | 2.41  |              |   |   |     |     |   | .01 | .39 | T   | .47 |     | .01 |     |    |    |    |     | .37 | .37 | .25 | .24 |     |    | .19 | .08 |     |    | .03 |     |    | .  |   |
| YORK Y SW PUMP STA | 3.28  |              |   |   | .01 |     |   |     | .02 | .22 | .59 | T   |     |     |    |    |    |     | .47 | .83 | .02 | .03 | T   |    | .27 | .54 | .02 |    | .20 |     |    | .  |   |
| YORK HAVEN         | 3.39  |              |   |   | .01 | T   |   |     |     | .25 | .02 | .39 | .15 |     |    |    |    |     | .54 | .52 | .20 | .02 | T   |    |     | .57 | .49 |    | .19 | .04 |    | .  |   |
| ZION GROVE         | 2.27  |              |   |   | .13 |     |   |     |     | .22 | .06 | .10 |     |     |    |    |    |     | .16 | .40 | .50 | .02 |     |    |     | .22 | .24 |    | .15 | .07 |    | .  |   |
| ZIONSVILLE SE      | 3.46  |              |   |   | T   | .03 |   |     |     |     | .35 | .04 | .27 | .16 |    |    |    |     | .30 | .61 | .35 | .22 |     |    |     | .49 | .32 |    | .21 | .11 |    | .  |   |

## SUPPLEMENTAL DATA

| Station                 | Wind direction |                                 | Wind speed m. p. h. |              |                           |                      | Relative humidity averages - percent |            |            |            | Number of days with precipitation |         |         |         |           |               | Percent of possible sunshine | Average sky cover sunrise to sunset |       |
|-------------------------|----------------|---------------------------------|---------------------|--------------|---------------------------|----------------------|--------------------------------------|------------|------------|------------|-----------------------------------|---------|---------|---------|-----------|---------------|------------------------------|-------------------------------------|-------|
|                         | Prevailing     | Percent of time from prevailing | Average             | Fastest mile | Direction of fastest mile | Date of fastest mile | 1:00 a EST                           | 7:00 a EST | 1:00 p EST | 7:00 p EST | Trace                             | .01-.09 | .10-.49 | .50-.99 | 1.00-1.99 | 2.00 and over |                              |                                     | Total |
| ALLENTOWN WB AIRPORT    | WSW            | 18                              | 11.1                | 46++         | WSW                       | 5                    | 82                                   | 82         | 65         | 74         | 9                                 | 2       | 8       | 1       | 1         | 0             | 21                           | -                                   | 6.4   |
| ERIE WB AIRPORT         | SW             | 15                              | 13.8                | 35++         | WSW                       | 5                    | 76                                   | 77         | 70         | 73         | 8                                 | 11      | 6       | 1       | 0         | 0             | 26                           | -                                   | 9.1   |
| HARRISBURG WB AIRPORT   | WNW            | 19                              | 8.8                 | 33           | W                         | 5                    | 76                                   | 77         | 59         | 67         | 5                                 | 5       | 6       | 2       | 0         | 0             | 18                           | 47                                  | 6.5   |
| PHILADELPHIA WB AIRPORT | WNW            | 19                              | 9.2                 | 38           | W                         | 5                    | 80                                   | 80         | 62         | 70         | 3                                 | 5       | 5       | 2       | 0         | 0             | 15                           | 55                                  | 6.5   |
| PITTSBURGH WB AIRPORT 2 | WSW            | 13                              | 10.1                | 32++         | W                         | 5                    | 77                                   | 78         | 70         | 71         | 8                                 | 9       | 9       | 0       | 0         | 0             | 26                           | 37                                  | 8.5   |
| READING WB CITY         | W              | -                               | 10.4                | 52           | W                         | 5                    | -                                    | -          | -          | -          | 0                                 | 7       | 6       | 1       | 0         | 0             | 14                           | 51                                  | 6.5   |
| SCRANTON WB AIRPORT     | SW             | 17                              | 8.8                 | 34           | W                         | 5                    | 79                                   | 83         | 68         | 73         | 7                                 | 9       | 6       | 1       | 0         | 0             | 23                           | 34                                  | 7.6   |
| WILLIAMSPORT WB AIRPORT | W              | 24                              | 8.6                 | 31++         | W                         | 5                    | 77                                   | 76         | 63         | 70         | 9                                 | 7       | 6       | 1       | 0         | 0             | 23                           | -                                   | 7.4   |

See reference notes following Station Index

DAILY TEMPERATURES

PENNSYLVANIA  
DECEMBER 1961

Table with columns: Station, Day Of Month (1-31), MAX, MIN, Average. Rows include stations like ALLENTOWN WB AP, ALLENTOWN GAS CO, ALTOONA HORSESHOE CURVE, etc.

See Reference Notes Following Station Index

# DAILY TEMPERATURES

PENNSYLVANIA  
DECEMBER 1961

Continued

| Station                |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|------------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                        |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| ERIE WB AIRPORT        | MAX | 52           | 47 | 50 | 61 | 54 | 43 | 41 | 31 | 32 | 44 | 39 | 53 | 28 | 31 | 27 | 32 | 44 | 39 | 39 | 36 | 30 | 31 | 31 | 30 | 32 | 37 | 36 | 27 | 13 | 17 | 30   | 36.7    |
|                        | MIN | 33           | 39 | 36 | 46 | 33 | 29 | 27 | 24 | 24 | 32 | 35 | 28 | 20 | 14 | 11 | 8  | 30 | 36 | 33 | 30 | 27 | 26 | 22 | 22 | 22 | 25 | 27 | 12 | 0  | 10 | 15   | 25.0    |
| EVERETT 1 SW           | MAX | 48           | 56 | 54 | 55 | 59 | 46 | 47 | 38 | 28 | 30 | 40 | 47 | 48 | 28 | 37 | 28 | 33 | 36 | 42 | 44 | 36 | 34 | 34 | 28 | 28 | 30 | 40 | 50 | 30 | 21 | 23   | 38.6    |
|                        | MIN | 21           | 24 | 34 | 22 | 33 | 23 | 25 | 21 | 19 | 23 | 30 | 35 | 23 | 13 | 20 | 13 | 17 | 30 | 34 | 36 | 26 | 26 | 18 | 19 | 22 | 24 | 17 | 27 | 12 | 11 | 17   | 23.1    |
| FARRELL SHARON         | MAX | 57           | 49 | 53 | 63 | 58 | 46 | 40 | 34 | 30 | 45 | 42 | 56 | 50 | 32 | 27 | 39 | 51 | 46 | 47 | 46 | 34 | 36 | 35 | 32 | 32 | 39 | 34 | 29 | 27 | 18 | 36   | 40.7    |
|                        | MIN | 29           | 40 | 32 | 35 | 34 | 26 | 28 | 25 | 25 | 28 | 32 | 36 | 23 | 17 | 22 | 16 | 36 | 38 | 37 | 30 | 28 | 28 | 26 | 25 | 24 | 24 | 27 | 21 | 1  | 10 | 13   | 26.4    |
| FORO CITY 4 S OAM      | MAX | 43           | 54 | 44 | 54 | 64 | 41 | 44 | 36 | 30 | 35 | 46 | 46 | 58 | 27 | 31 | 26 | 37 | 54 | 43 | 48 | 34 | 32 | 32 | 35 | 31 | 27 | 38 | 42 | 28 | 20 | 20   | 38.7    |
|                        | MIN | 21           | 22 | 30 | 28 | 35 | 24 | 25 | 20 | 14 | 19 | 33 | 34 | 21 | 9  | 10 | 11 | 13 | 33 | 36 | 33 | 27 | 24 | 17 | 26 | 23 | 23 | 23 | 22 | 6  | 6  | 9    | 21.8    |
| FRANKLIN               | MAX | 47           | 54 | 54 | 61 | 59 | 43 | 40 | 35 | 38 | 45 | 44 | 55 | 42 | 31 | 29 | 35 | 38 | 44 | 44 | 46 | 30 | 34 | 32 | 30 | 31 | 35 | 35 | 28 | 22 | 15 | 32   | 38.5    |
|                        | MIN | 22           | 31 | 31 | 32 | 32 | 24 | 33 | 21 | 18 | 30 | 32 | 33 | 17 | 11 | 14 | 9  | 27 | 35 | 34 | 30 | 27 | 34 | 32 | 30 | 25 | 23 | 30 | 22 | -1 | 8  | 12   | 23.1    |
| FREELANO               | MAX | 48           | 45 | 47 | 42 | 43 | 38 | 49 | 31 | 32 | 33 | 37 | 35 | 39 | 25 | 25 | 22 | 32 | 40 | 40 | 37 | 32 | 28 | 29 | 26 | 29 | 31 | 45 | 35 | 23 | 17 | 34.5 |         |
|                        | MIN | 31           | 30 | 35 | 30 | 33 | 24 | 25 | 17 | 22 | 20 | 30 | 29 | 21 | 12 | 12 | 4  | 17 | 20 | 31 | 31 | 25 | 20 | 14 | 15 | 14 | 20 | 23 | 21 | 8  | 2  | 21.2 |         |
| GEORGE SCHOOL          | MAX | 48           | 50 | 52 | 53 | 58 | 58 | 44 | 45 | 37 | 33 | 35 | 45 | 45 | 37 | 35 | 27 | 32 | 36 | 38 | 40 | 45 | 39 | 37 | 35 | 31 | 32 | 38 | 44 | 34 | 25 | 28   | 39.9    |
|                        | MIN | 27           | 28 | 30 | 23 | 28 | 27 | 21 | 28 | 20 | 22 | 23 | 34 | 35 | 15 | 22 | 9  | 11 | 32 | 33 | 35 | 28 | 23 | 16 | 20 | 20 | 24 | 16 | 13 | 9  | 5  | 6    | 21.9    |
| GETTYSBURG             | MAX | 49           | 51 | 54 | 56 | 57 | 51 | 47 | 43 | 35 | 32 | 37 | 46 | 45 | 33 | 38 | 32 | 33 | 34 | 42 | 42 | 42 | 36 | 37 | 31 | 32 | 35 | 36 | 41 | 32 | 25 | 27   | 39.7    |
|                        | MIN | 26           | 29 | 38 | 28 | 36 | 30 | 27 | 25 | 20 | 24 | 31 | 35 | 29 | 17 | 20 | 12 | 15 | 32 | 32 | 35 | 32 | 27 | 20 | 22 | 26 | 23 | 17 | 19 | 11 | 5  | 7    | 24.2    |
| GRATERFORO 1 E         | MAX | 49           | 50 | 52 | 52 | 55 | 56 | 45 | 46 | 36 | 33 | 38 | 46 | 45 | 36 | 35 | 30 | 30 | 34 | 38 | 40 | 45 | 38 | 36 | 32 | 30 | 35 | 36 | 45 | 33 | 23 | 26   | 39.5    |
|                        | MIN | 31           | 28 | 29 | 24 | 25 | 27 | 25 | 26 | 20 | 21 | 30 | 32 | 35 | 17 | 16 | 9  | 10 | 30 | 32 | 35 | 31 | 27 | 16 | 17 | 21 | 21 | 12 | 12 | 11 | 3  | 4    | 21.8    |
| GREENVILLE             | MAX | 53           | 48 | 54 | 61 | 57 | 45 | 40 | 31 | 29 | 45 | 42 | 54 | 44 | 31 | 29 | 38 | 50 | 45 | 43 | 39 | 31 | 32 | 32 | 31 | 29 | 37 | 35 | 30 | 23 | 16 | 34   | 39.0    |
|                        | MIN | 23           | 38 | 28 | 34 | 32 | 21 | 28 | 21 | 20 | 27 | 31 | 34 | 18 | 9  | 17 | 9  | 30 | 35 | 34 | 29 | 26 | 23 | 16 | 23 | 24 | 22 | 27 | 17 | -3 | 6  | 12   | 22.9    |
| HANOVER                | MAX | 49           | 52 | 52 | 55 | 56 | 56 | 47 | 44 | 35 | 33 | 34 | 47 | 43 | 35 | 34 | 40 | 40 | 44 | 38 | 38 | 34 | 34 | 38 | 34 | 34 | 38 | 35 | 44 | 32 | 26 | 35   | 40.4    |
|                        | MIN | 27           | 28 | 36 | 33 | 39 | 27 | 28 | 25 | 18 | 21 | 31 | 33 | 33 | 17 | 18 | 12 | 13 | 31 | 33 | 35 | 32 | 26 | 22 | 23 | 25 | 20 | 18 | 20 | 11 | 11 | 10   | 24.4    |
| HARRISBURG WB AP       | MAX | 52           | 55 | 53 | 54 | 59 | 47 | 45 | 37 | 33 | 35 | 47 | 41 | 43 | 35 | 34 | 28 | 33 | 42 | 39 | 45 | 36 | 36 | 32 | 31 | 36 | 35 | 37 | 34 | 23 | 24 | 32   | 39.1    |
|                        | MIN | 26           | 31 | 31 | 29 | 31 | 28 | 26 | 23 | 21 | 30 | 32 | 37 | 19 | 14 | 16 | 11 | 26 | 32 | 36 | 34 | 30 | 18 | 18 | 26 | 25 | 17 | 14 | 20 | 8  | 3  | 5    | 23.1    |
| HAWLEY                 | MAX | 42           | 49 | 44 | 49 | 51 | 50 | 44 | 40 | 36 | 31 | 36 | 45 | 42 | 37 | 35 | 25 | 30 | 32 | 35 | 36 | 41 | 35 | 32 | 31 | 30 | 30 | 38 | 53 | 29 | 26 | 24   | 37.4    |
|                        | MIN | 28           | 24 | 28 | 21 | 21 | 28 | 24 | 26 | 21 | 21 | 28 | 32 | 30 | 14 | 13 | 1  | 2  | 22 | 31 | 32 | 29 | 22 | 12 | 13 | 18 | 22 | 16 | 23 | -1 | -5 | -5   | 19.1    |
| HOLTWOOD               | MAX | 52           | 54 | 52 | 50 | 59 | 49 | 44 | 35 | 34 | 36 | 45 | 44 | 44 | 34 | 35 | 30 | 34 | 38 | 39 | 44 | 37 | 35 | 35 | 32 | 37 | 37 | 45 | 37 | 27 | 29 | 38   | 40.0    |
|                        | MIN | 29           | 32 | 34 | 30 | 34 | 23 | 23 | 27 | 27 | 31 | 34 | 38 | 26 | 20 | 20 | 14 | 26 | 33 | 35 | 33 | 32 | 24 | 22 | 27 | 27 | 24 | 22 | 24 | 16 | 13 | 13   | 26.2    |
| HUNTINGOON             | MAX | 41           | 50 | 51 | 52 | 57 | 54 | 45 | 40 | 30 | 32 | 37 | 44 | 44 | 30 | 31 | 30 | 32 | 34 | 41 | 44 | 39 | 35 | 35 | 30 | 34 | 33 | 40 | 46 | 30 | 21 | 23   | 38.2    |
|                        | MIN | 22           | 21 | 31 | 25 | 27 | 29 | 29 | 25 | 19 | 21 | 31 | 34 | 27 | 12 | 12 | 8  | 8  | 31 | 33 | 36 | 31 | 28 | 15 | 15 | 25 | 25 | 20 | 28 | 10 | 3  | 4    | 22.1    |
| INOIANA 3 SE           | MAX | 52           | 47 | 50 | 63 | 63 | 42 | 41 | 28 | 28 | 47 | 45 | 52 | 52 | 29 | 30 | 38 | 45 | 48 | 49 | 45 | 31 | 32 | 34 | 30 | 26 | 36 | 43 | 32 | 21 | 16 | 35   | 39.7    |
|                        | MIN | 22           | 28 | 34 | 30 | 33 | 19 | 24 | 17 | 11 | 27 | 33 | 37 | 17 | 7  | 13 | 10 | 29 | 37 | 38 | 30 | 25 | 22 | 16 | 24 | 23 | 19 | 19 | 21 | 7  | 7  | 15   | 22.4    |
| JAMESTOWN 2 NW         | MAX | 43           | 52 | 47 | 51 | 60 | 37 | 43 | 33 | 28 | 38 | 45 | 45 | 53 | 28 | 30 | 25 | 35 | 49 | 38 | 39 | 33 | 30 | 32 | 30 | 28 | 29 | 34 | 33 | 27 | 10 | 14   | 36.1    |
|                        | MIN | 24           | 25 | 26 | 26 | 30 | 19 | 21 | 22 | 15 | 20 | 29 | 29 | 17 | 8  | 10 | 7  | 11 | 32 | 32 | 31 | 24 | 20 | 12 | 22 | 21 | 19 | 20 | 15 | -6 | -3 | 5    | 18.8    |
| JOHNSTOWN              | MAX | 32           | 45 | 45 | 44 | 51 | 51 | 36 | 34 | 22 | 34 | 38 | 39 | 40 | 29 | 34 | 31 | 34 | 38 | 42 | 42 | 35 | 29 | 27 | 28 | 33 | 32 | 42 | 46 | 30 | 16 | 24   | 35.6    |
|                        | MIN | 28           | 30 | 35 | 32 | 37 | 26 | 28 | 20 | 16 | 12 | 34 | 38 | 21 | 15 | 17 | 15 | 10 | 34 | 41 | 34 | 28 | 25 | 18 | 19 | 24 | 23 | 28 | 25 | 10 | 11 | 14   | 24.1    |
| KANE 1 NNE             | MAX | 33           | 47 | 41 | 49 | 56 | 35 | 39 | 31 | 25 | 32 | 39 | 37 | 48 | 22 | 28 | 20 | 29 | 38 | 41 | 41 | 33 | 29 | 26 | 27 | 26 | 27 | 33 | 34 | 26 | 8  | 13   | 32.7    |
|                        | MIN | 19           | 20 | 32 | 26 | 34 | 19 | 20 | 19 | 16 | 16 | 31 | 31 | 18 | 5  | 7  | -3 | 0  | 29 | 33 | 31 | 23 | 21 | 3  | 14 | 17 | 20 | 21 | 18 | -2 | -3 | 4    | 17.4    |
| KEGG                   | MAX | 57           | 53 | 57 | 55 | 59 | 52 | 50 | 25 | 26 | 45 | 45 | 46 | 46 | 38 | 39 | 25 | 34 | 45 | 44 | 44 | 34 | 35 | 27 | 31 | 29 | 43 | 50 | 32 | 20 | 21 | 40   | 40.2    |
|                        | MIN | 22           | 27 | 32 | 27 | 32 | 22 | 11 | 11 | 14 | 21 | 36 | 37 | 15 | 15 | 15 | 9  | 17 | 32 | 32 | 30 | 27 | 18 | 16 | 24 | 22 | 18 | 34 | 18 | 9  | 10 | 18   | 21.6    |
| LANCASTER 2NE PUMP STA | MAX | 50           | 54 | 54 | 50 | 58 | 47 | 44 | 39 | 33 | 35 | 45 | 44 | 43 | 35 | 36 | 27 | 33 | 39 | 40 | 45 | 38 | 37 | 34 | 32 | 35 | 38 | 42 | 37 | 29 | 26 | 32   | 39.7    |
|                        | MIN | 24           | 24 | 37 | 22 | 38 | 23 | 20 | 24 | 18 | 18 | 27 | 34 | 27 | 12 | 24 | 8  | 28 | 29 | 28 | 32 | 30 | 25 | 15 | 25 | 17 | 20 | 10 | 27 | 11 | 5  | 2    | 22.1    |
| LANOISVILLE 2 NW       | MAX | 45           | 51 | 52 | 53 | 58 | 53 | 45 | 45 | 34 | 33 | 37 | 45 | 49 | 33 | 35 | 29 | 32 | 33 | 41 | 38 | 44 | 38 | 35 | 31 | 30 | 33 | 35 | 39 | 32 | 21 | 25   | 38.8    |
|                        | MIN | 25           | 27 | 34 | 25 | 30 | 24 | 22 | 25 | 18 | 17 | 29 | 35 | 29 | 12 | 16 | 9  | 17 | 32 | 33 | 34 | 32 | 27 | 16 | 28 | 26 | 18 | 8  | 15 | 4  | 0  | -1   | 21.5    |
| LAWRENCEVILLE 2 S      | MAX | 51           | 49 | 50 | 48 | 51 | 41 | 41 | 31 | 31 | 40 | 40 | 41 | 44 | 32 | 31 | 28 | 36 | 40 | 40 | 38 | 33 | 31 | 27 | 25 | 31 | 32 | 46 | 40 | 23 | 23 | 33   | 37.0    |
|                        | MIN | 27           | 29 | 31 | 28 | 31 | 23 | 28 | 19 | 14 | 29 | 31 | 35 | 25 | 11 | 8  | -1 | 23 | 34 | 33 | 32 | 27 | 20 | 17 | 20 | 17 | 26 | 25 | 21 | 4  | 3  | 13   | 22.0    |
| LEBANON 3 W            | MAX | 43           | 50 | 52 | 53 | 55 | 55 | 44 | 44 | 35 | 32 | 40 | 44 | 41 | 33 | 33 | 29 | 32 | 33 | 43 | 39 | 44 | 38 | 35 | 32 | 32 | 35 | 34 | 37 | 32 | 23 | 23   | 38.5    |
|                        | MIN | 30           | 32 | 34 | 31 | 32 | 27 | 27 | 25 | 20 | 23 | 31 | 35 | 29 | 17 | 17 | 10 | 12 | 31 | 32 | 35 | 30 | 28 | 20 | 23 | 21 | 22 | 16 | 24 | 12 | 7  | 8    | 23.9    |
| LEWISTOWN              | MAX | 44           | 54 | 51 | 57 | 55 | 55 | 47 | 40 | 34 | 31 | 40 | 48 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |

# DAILY TEMPERATURES

PENNSYLVANIA  
DECEMBER 1961

Continued

| Station                 |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | Average |      |
|-------------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---------|------|
|                         |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30  |         | 31   |
| NEWELL                  | MAX | 50           | 56 | 50 | 58 | 62 | 44 | 47 | 35 | 31 | 41 | 49 | 54 | 60 | 28 | 32 | 34 | 46 | 56 | 48 | 50 | 35 | 31 | 34 | 37 | 32 | 36 | 43 | 43 | 28 | 16  | 32      | 41.9 |
|                         | MIN | 25           | 33 | 41 | 33 | 37 | 24 | 33 | 23 | 17 | 29 | 36 | 39 | 23 | 16 | 21 | 19 | 33 | 40 | 38 | 33 | 28 | 28 | 27 | 28 | 24 | 25 | 28 | 24 | 12 | 12  | 12      | 27.1 |
| NEWPORT                 | MAX | 44           | 51 | 51 | 56 | 56 | 53 | 48 | 43 | 35 | 33 | 36 | 46 | 40 | 33 | 34 | 30 | 32 | 33 | 41 | 39 | 41 | 36 | 33 | 31 | 31 | 37 | 39 | 43 | 32 | 24  | 25      | 38.9 |
|                         | MIN | 24           | 24 | 32 | 25 | 27 | 31 | 25 | 27 | 20 | 22 | 32 | 34 | 29 | 13 | 13 | 10 | 9  | 32 | 33 | 36 | 31 | 29 | 17 | 17 | 26 | 24 | 18 | 20 | 4  | -2  | -2      | 21.9 |
| NEW STANTON             | MAX | 55           | 51 | 55 | 63 | 62 | 46 | 44 | 30 | 36 | 50 | 44 | 61 | 35 | 32 | 32 | 48 | 59 | 49 | 54 | 40 | 32 | 33 | 37 | 32 | 28 | 39 | 45 | 30 | 17 | 20  | 38      | 41.8 |
|                         | MIN | 21           | 32 | 30 | 30 | 31 | 19 | 28 | 15 | 14 | 32 | 32 | 35 | 16 | 10 | 14 | 20 | 33 | 36 | 38 | 29 | 26 | 20 | 21 | 24 | 21 | 22 | 26 | 15 | 8  | 11  | 8       | 23.1 |
| NORRISTOWN              | MAX | 54           | 54 | 55 | 51 | 58 | 47 | 47 | 39 | 34 | 35 | 49 | 47 | 46 | 38 | 34 | 32 | 35 | 40 | 40 | 46 | 40 | 39 | 35 | 33 | 37 | 39 | 50 | 38 | 29 | 29  | 38      | 41.5 |
|                         | MIN | 34           | 34 | 33 | 28 | 35 | 30 | 31 | 29 | 22 | 30 | 31 | 37 | 25 | 21 | 16 | 12 | 26 | 32 | 37 | 34 | 29 | 25 | 21 | 23 | 21 | 23 | 20 | 25 | 14 | 12  | 12      | 25.9 |
| PALMERTON               | MAX | 50           | 50 | 51 | 48 | 51 | 44 | 43 | 34 | 33 | 34 | 44 | 40 | 42 | 32 | 31 | 26 | 32 | 37 | 37 | 45 | 35 | 34 | 32 | 31 | 35 | 34 | 41 | 33 | 22 | 22  | 31      | 37.2 |
|                         | MIN | 32           | 30 | 29 | 24 | 29 | 27 | 26 | 26 | 19 | 27 | 32 | 34 | 23 | 15 | 12 | 6  | 24 | 30 | 35 | 35 | 31 | 20 | 16 | 24 | 23 | 20 | 16 | 19 | 5  | 3   | 8       | 22.6 |
| PHIL DREXEL INST OF TEC | MAX | 53           | 54 | 54 | 48 | 57 | 48 | 48 | 37 | 32 | 32 | 48 | 46 | 43 | 34 | 33 | 28 | 34 | 39 | 40 | 45 | 41 | 40 | 34 | 31 | 33 | 33 | 47 | 39 | 27 | 26  | 33      | 39.9 |
|                         | MIN | 36           | 38 | 40 | 35 | 40 | 34 | 32 | 30 | 26 | 28 | 32 | 40 | 28 | 23 | 19 | 15 | 26 | 31 | 37 | 32 | 35 | 31 | 28 | 22 | 21 | 24 | 28 | 25 | 20 | 18  | 19      | 28.8 |
| PHILADELPHIA W8 AP      | MAX | 48           | 52 | 51 | 48 | 55 | 43 | 47 | 36 | 31 | 32 | 45 | 44 | 41 | 33 | 32 | 27 | 35 | 39 | 40 | 45 | 38 | 36 | 34 | 31 | 34 | 33 | 46 | 38 | 25 | 26  | 34      | 38.7 |
|                         | MIN | 27           | 27 | 29 | 22 | 30 | 25 | 25 | 21 | 18 | 27 | 27 | 36 | 23 | 17 | 17 | 13 | 25 | 33 | 37 | 33 | 26 | 24 | 17 | 24 | 21 | 17 | 17 | 24 | 14 | 14  | 10      | 23.2 |
| PHILADELPHIA PT BREEZE  | MAX | 54           | 56 | 57 | 52 | 56 | 46 | 47 | 39 | 35 | 38 | 46 | 45 | 36 | 33 | 34 | 30 | 35 | 40 | 41 | 46 | 39 | 38 | 36 | 33 | 37 | 37 | 52 | 44 | 27 | 29  | 37      | 41.1 |
|                         | MIN | 40           | 41 | 46 | 38 | 40 | 34 | 34 | 29 | 28 | 30 | 35 | 38 | 26 | 23 | 20 | 17 | 28 | 33 | 38 | 38 | 31 | 31 | 29 | 27 | 26 | 29 | 31 | 28 | 23 | 20  | 22      | 30.7 |
| PHILIPSBURG FAA AP      | MAX | 47           | 43 | 50 | 46 | 51 | 39 | 37 | 25 |    | 41 | 41 | 40 | 40 | 29 | 26 | 23 | 32 | 36 | 40 | 40 | 28 | 26 | 24 | 26 | 25 | 33 | 41 | 32 | 18 | 13  | 31      | 34.1 |
|                         | MIN | 19           | 27 | 28 | 28 | 27 | 22 | 21 | 17 |    | 21 | 31 | 32 | 11 | 6  | 8  | 6  | 20 | 30 | 34 | 25 | 22 | 2  | 2  | 19 | 18 | 20 | 26 | 14 | 2  | -4  | 11      | 18.2 |
| PHOENIXVILLE 1 E        | MAX | 50           | 53 | 53 | 50 | 58 | 46 | 47 | 41 | 38 | 34 | 46 | 45 | 48 | 43 | 35 | 32 | 35 | 39 | 39 | 49 | 42 | 38 | 34 | 31 | 36 | 37 | 47 | 38 | 39 | 27  | 36      | 41.5 |
|                         | MIN | 25           | 27 | 29 | 22 | 40 | 24 | 23 | 27 | 21 | 27 | 26 | 34 | 30 | 17 | 20 | 9  | 12 | 25 | 28 | 31 | 32 | 28 | 16 | 27 | 21 | 20 | 14 | 28 | 8  | 5   | 2       | 22.5 |
| PITTSBURGH W8 AP 2      | MAX | 53           | 50 | 49 | 63 | 56 | 43 | 40 | 28 | 32 | 45 | 60 | 30 | 19 | 29 | 29 | 36 | 56 | 43 | 46 | 35 | 29 | 30 | 33 | 30 | 25 | 38 | 40 | 27 | 13 | 20  | 32      | 38.1 |
|                         | MIN | 29           | 39 | 36 | 38 | 30 | 23 | 25 | 18 | 18 | 28 | 32 | 40 | 18 | 15 | 20 | 15 | 31 | 36 | 35 | 29 | 25 | 24 | 24 | 23 | 23 | 27 | 10 | 4  | 8  | 10  | 24.4    |      |
| PITTSBURGH W8 CITY      | MAX | 56           | 52 | 50 | 65 | 59 | 46 | 43 | 30 | 36 | 50 | 45 | 61 | 32 | 33 | 30 | 38 | 57 | 43 | 51 | 38 | 33 | 34 | 38 | 32 | 28 | 40 | 44 | 29 | 17 | 22  | 35      | 40.9 |
|                         | MIN | 32           | 43 | 38 | 36 | 34 | 29 | 27 | 21 | 25 | 36 | 35 | 32 | 22 | 19 | 21 | 18 | 34 | 38 | 38 | 31 | 28 | 28 | 26 | 28 | 25 | 25 | 28 | 17 | 7  | 12  | 17      | 27.4 |
| PLEASANT MOUNT 1 W      | MAX | 33           | 40 | 40 | 37 | 47 | 47 | 38 | 35 | 27 | 28 | 36 | 34 | 38 | 28 | 25 | 17 | 25 | 30 | 35 | 34 | 33 | 30 | 27 | 28 | 27 | 25 | 30 | 42 | 24 | 20  | 18      | 31.5 |
|                         | MIN | 27           | 26 | 33 | 20 | 25 | 26 | 25 | 22 | 18 | 20 | 26 | 29 | 25 | 8  | 7  | -3 | -1 | 20 | 29 | 30 | 24 | 17 | 4  | 6  | 13 | 17 | 21 | 23 | 5  | -14 | -14     | 16.6 |
| PORT CLINTON            | MAX | 49           | 52 | 54 | 56 | 55 | 55 | 47 | 44 | 36 | 32 | 37 | 45 | 43 | 35 | 34 | 29 | 32 | 34 | 43 | 40 | 45 | 34 | 31 | 35 | 38 | 40 | 34 | 27 | 35 | 35  | 40.3    |      |
|                         | MIN | 27           | 25 | 28 | 20 | 22 | 24 | 19 | 21 | 14 | 21 | 27 | 30 | 15 | 10 | 20 | 25 | 10 | 25 | 29 | 31 | 28 | 23 | 10 | 14 | 20 | 20 | 25 | 5  | -4 | 0   | 5       | 18.1 |
| PUTNEYVILLE 2 SE DAM    | MAX | 41           | 52 | 45 | 48 | 60 | 39 | 41 | 36 | 29 | 35 | 44 | 42 | 55 | 25 | 30 | 29 | 34 | 49 | 43 | 45 | 35 | 30 | 30 | 30 | 29 | 28 | 38 | 40 | 27 | 13  | 18      | 36.8 |
|                         | MIN | 18           | 19 | 27 | 28 | 30 | 18 | 18 | 15 | 12 | 16 | 28 | 27 | 15 | 5  | 5  | 7  | 7  | 29 | 31 | 28 | 22 | 18 | 7  | 17 | 17 | 17 | 17 | 18 | 0  | 1   | 2       | 16.7 |
| OUAKERTOWN 1 E          | MAX | 49           | 50 | 51 | 48 | 55 | 43 | 43 | 39 | 32 | 34 | 43 | 44 | 49 | 32 | 31 | 29 | 33 | 37 | 39 | 49 | 41 | 34 | 32 | 30 | 33 | 34 | 43 | 37 | 30 | 23  | 30      | 38.6 |
|                         | MIN | 30           | 25 | 34 | 20 | 41 | 28 | 20 | 25 | 21 | 27 | 31 | 30 | 30 | 15 | 20 | 7  | 21 | 30 | 34 | 35 | 30 | 28 | 13 | 26 | 20 | 23 | 10 | 25 | 2  | 0   | 4       | 22.7 |
| READING W8 CITY         | MAX | 51           | 53 | 55 | 52 | 58 | 47 | 45 | 36 | 33 | 35 | 47 | 45 | 42 | 35 | 33 | 31 | 33 | 42 | 39 | 46 | 39 | 38 | 33 | 32 | 36 | 36 | 45 | 37 | 27 | 26  | 34      | 40.0 |
|                         | MIN | 36           | 35 | 35 | 29 | 38 | 33 | 32 | 27 | 25 | 30 | 35 | 37 | 25 | 22 | 18 | 14 | 26 | 33 | 37 | 36 | 32 | 29 | 24 | 24 | 23 | 26 | 22 | 27 | 15 | 15  | 16      | 27.6 |
| RENOVO                  | MAX | 40           | 49 | 47 | 56 | 54 | 50 | 43 | 40 | 33 | 32 | 35 | 40 | 42 | 30 | 30 | 29 | 30 | 35 | 43 | 42 | 41 | 31 | 36 | 30 | 32 | 35 | 36 | 40 | 32 | 20  | 24      | 37.3 |
|                         | MIN | 27           | 26 | 31 | 27 | 29 | 29 | 26 | 24 | 20 | 20 | 28 | 28 | 18 | 12 | 9  | 5  | 9  | 26 | 33 | 34 | 29 | 21 | 12 | 14 | 20 | 24 | 22 | 27 | 11 | 4   | 4       | 21.3 |
| RIDGWAY 3 W             | MAX | 49           | 44 | 49 | 57 | 56 | 40 | 33 | 30 | 29 | 36 | 42 | 47 | 47 | 29 | 28 | 29 | 34 | 40 | 41 | 41 | 30 | 29 | 30 | 29 | 30 | 33 | 37 | 33 | 23 | 15  | 29      | 36.1 |
|                         | MIN | 18           | 28 | 29 | 25 | 32 | 18 | 28 | 19 | 17 | 25 | 32 | 33 | 19 | 4  | 14 | 2  | 23 | 33 | 34 | 29 | 25 | 23 | 4  | 24 | 20 | 23 | 19 | 22 | -1 | 1   | 10      | 20.4 |
| SALINA 3 W              | MAX | 54           | 49 | 49 | 60 | 62 | 42 | 41 | 31 | 28 | 47 | 42 | 59 | 59 | 29 | 30 | 37 | 56 | 50 | 48 | 45 | 31 | 36 | 33 | 32 | 36 | 37 | 43 | 32 | 22 | 18  | 34      | 41.0 |
|                         | MIN | 24           | 33 | 31 | 35 | 29 | 22 | 28 | 11 | 12 | 27 | 34 | 39 | 22 | 12 | 16 | 11 | 30 | 37 | 37 | 30 | 26 | 19 | 23 | 22 | 22 | 24 | 21 | 6  | 9  | 10  | 23.4    |      |
| SCRANTON                | MAX | 40           | 47 | 47 | 44 | 51 | 51 | 42 | 39 | 31 | 31 | 33 | 42 | 43 | 33 | 31 | 23 | 30 | 35 | 42 | 41 | 41 | 29 | 30 | 29 | 30 | 32 | 51 | 30 | 22 | 19  | 36.2    |      |
|                         | MIN | 31           | 30 | 33 | 27 | 28 | 26 | 27 | 23 | 23 | 22 | 28 | 33 | 28 | 16 | 17 | 9  | 7  | 28 | 33 | 35 | 27 | 22 | 15 | 15 | 14 | 18 | 21 | 26 | 15 | 7   | 5       | 22.2 |
| SCRANTON W8 AIRPORT     | MAX | 46           | 45 | 44 | 46 | 51 | 40 | 39 | 33 | 30 | 34 | 41 | 43 | 42 | 32 | 31 | 28 | 37 | 40 | 39 | 41 | 35 | 30 | 29 | 28 | 31 | 32 | 50 | 34 | 21 | 18  | 27      | 36.0 |
|                         | MIN | 33           | 31 | 32 | 28 | 28 | 26 | 30 | 23 | 21 | 27 | 32 | 35 | 22 | 16 | 12 | 7  | 25 | 34 | 35 | 31 | 27 | 21 | 15 | 20 | 20 | 21 | 23 | 20 | 8  | 0   | 12      | 23.1 |
| SHIPPENSBURG            | MAX | 51           | 50 | 55 | 50 | 58 | 45 | 43 | 34 | 32 | 35 | 46 | 43 | 44 | 34 | 33 | 26 | 34 | 41 | 41 | 43 | 38 | 36 | 32 | 33 | 34 | 34 | 38 | 34 | 28 | 25  | 34      | 38.8 |
|                         | MIN | 24           | 30 | 35 | 28 | 40 | 27 | 28 | 24 | 17 | 25 | 31 | 35 | 26 | 18 | 24 | 10 | 25 | 31 | 36 | 34 | 30 | 26 | 18 | 26 | 25 | 20 | 15 | 28 | 7  | 7   | 10      | 24.5 |
| SLIPPERY ROCK           | MAX | 53           | 46 | 47 | 60 | 60 | 43 | 40 | 30 | 27 | 45 | 42 | 55 | 44 | 29 | 27 | 34 | 52 | 48 | 46 | 39 | 30 | 32 | 30 | 26 | 31 | 35 | 30 | 18 | 15 | 34  | 38.0    |      |
|                         | MIN | 26           | 38 | 32 | 35 | 31 | 23 | 26 | 20 | 19 | 27 | 31 | 35 | 12 | 13 | 17 | 12 | 28 | 30 | 34 | 27 | 24 | 23 | 17 | 23 | 22 | 21 | 22 | 17 | -2 | 6   | 11      | 22.6 |
| STATE COLLEGE           | MAX | 38           | 49 | 47 | 52 | 54 | 45 | 43 | 35 | 28 | 30 | 41 | 40 | 42 | 26 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |         |      |



## DAILY TEMPERATURES

PENNSYLVANIA  
DECEMBER 1961

Continued

| Station             |     | Day Of Month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|---------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                     |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         | 31   |
| WILLIAMSPORT WS AP  | MAX | 48           | 51 | 52 | 49 | 53 | 43 | 42 | 34 | 31 | 34 | 43 | 43 | 44 | 34 | 32 | 25 | 36 | 47 | 39 | 44 | 34 | 36 | 30 | 29 | 35 | 37 | 40 | 34 | 20 | 23 | 30      | 37.8 |
|                     | MIN | 31           | 30 | 31 | 28 | 27 | 28 | 28 | 26 | 21 | 28 | 30 | 35 | 22 | 14 | 13 | 7  | 22 | 33 | 37 | 33 | 30 | 20 | 16 | 22 | 21 | 22 | 24 | 13 | 4  | 0  | 11      | 22.8 |
| YORK 3 SSW PUMP STA | MAX | 53           | 55 | 56 | 53 | 57 | 47 | 45 | 38 | 32 | 35 | 47 | 42 | 43 | 34 | 35 | 30 | 34 | 40 | 40 | 44 | 38 | 38 | 32 | 31 | 37 | 37 | 41 | 35 | 28 | 26 | 39      | 40.1 |
|                     | MIN | 24           | 28 | 31 | 26 | 45 | 23 | 22 | 23 | 15 | 28 | 29 | 37 | 30 | 14 | 27 | 10 | 26 | 32 | 36 | 34 | 31 | 28 | 18 | 28 | 27 | 16 | 12 | 28 | 1  | 0  | 2       | 23.6 |

## DAILY SOIL TEMPERATURES

| Station And Depth                  | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |      |
|------------------------------------|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|
|                                    |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         | 31   |
| ERIE CO FIELD RSCH LAB<br>8 INCHES | MAX  | 41           | 41 | 43 | 47 | 48 | 43 | 41 | 40 | 38 | 38 | 39 | 41 | 41 | 38 | 37 | 37 | 36 | 37 | 38 | 38 | 37 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35      | 38.5 |
|                                    | MIN  | 39           | 41 | 41 | 42 | 43 | 41 | 40 | 38 | 37 | 37 | 38 | 39 | 37 | 37 | 37 | 36 | 35 | 36 | 37 | 37 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 34      | 36.2 |
| LANDISVILLE 2 NW<br>2 INCHES       | 8 AM | 37           | 39 | 39 | 37 | 43 | 37 | 36 | 35 | 33 | 35 | 35 | 38 | 39 | 33 | 33 | 31 | 31 | 31 | 34 | 35 | 35 | 33 | 32 | -  | -  | 33 | 33 | 34 | 33 | 32 | 31      | 34.7 |
| STATE COLLEGE 2<br>2 INCHES        | MAX  | 40           | 42 | 45 | 43 | 45 | 39 | 37 | 35 | 34 | 34 | 37 | 39 | 39 | 34 | 33 | 32 | 33 | 33 | 33 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 33 | 34 | 33 | 31 | 30      | 35.5 |
|                                    | MIN  | 34           | 37 | 40 | 38 | 38 | 35 | 35 | 34 | 33 | 34 | 34 | 37 | 37 | 34 | 33 | 31 | 30 | 32 | 32 | 33 | 33 | 33 | 33 | 32 | 33 | 33 | 33 | 33 | 33 | 31 | 29      | 33.5 |
| 4 INCHES                           | MAX  | 40           | 41 | 44 | 43 | 45 | 39 | 38 | 36 | 35 | 35 | 37 | 39 | 37 | 35 | 34 | 32 | 33 | 33 | 33 | 34 | 34 | 34 | 33 | 33 | 34 | 34 | 33 | 34 | 33 | 30 | 35.7    |      |
|                                    | MIN  | 35           | 38 | 40 | 38 | 39 | 36 | 36 | 34 | 34 | 34 | 35 | 37 | 35 | 33 | 33 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 32 | 30 | 29      | 34.0 |
| 8 INCHES                           | MAX  | 42           | 43 | 45 | 43 | 44 | 42 | 40 | 39 | 37 | 37 | 39 | 40 | 40 | 38 | 36 | 36 | 34 | 35 | 36 | 35 | 36 | 36 | 35 | 35 | 35 | 36 | 35 | 36 | 35 | 34 | 33      | 37.6 |
|                                    | MIN  | 38           | 40 | 42 | 40 | 42 | 40 | 39 | 37 | 37 | 36 | 36 | 38 | 37 | 36 | 35 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 35 | 35 | 35 | 33 | 32      | 36.1 |
| 12 INCHES                          | MAX  | 42           | 43 | 44 | 44 | 45 | 44 | 42 | 41 | 40 | 39 | 39 | 40 | 40 | 39 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 35      | 39.0 |
|                                    | MIN  | 40           | 42 | 43 | 42 | 43 | 42 | 41 | 40 | 39 | 39 | 38 | 39 | 39 | 38 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 34      | 37.9 |
| 16 INCHES                          | MAX  | 45           | 45 | 46 | 46 | 46 | 45 | 44 | 42 | 42 | 41 | 41 | 42 | 43 | 41 | 40 | 40 | 38 | 38 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 37 | 40.6    |      |
|                                    | MIN  | 42           | 43 | 43 | 43 | 44 | 43 | 42 | 41 | 41 | 40 | 40 | 40 | 41 | 40 | 39 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 39.1    |      |

Erie Co Field Rsch Lab - Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Seedling grapes and native weeds. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

See Reference Notes Following Station Index

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
DECEMBER 1961

| Station                 | Day of month |   |   |   |     |    |      |     |     |     |    |    |    |    |     |     |     |    |    |    |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |  |
|-------------------------|--------------|---|---|---|-----|----|------|-----|-----|-----|----|----|----|----|-----|-----|-----|----|----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|--|
|                         | 1            | 2 | 3 | 4 | 5   | 6  | 7    | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15  | 16  | 17  | 18 | 19 | 20 | 21  | 22 | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  | 31  |     |     |     |    |    |     |  |
| ALLENTOWN WB AIRPORT    |              |   |   |   |     |    | T    | 1.6 | .5  | 2.2 | 1  |    |    |    | T   | T   | T   | T  |    | T  | T   | T  | 5.1 | 3.0 | 5.4 | T   | 3.1 |     |     |     |     |     |     |     |    |    |     |  |
| AUSTINBURG 2 W          |              |   |   |   |     |    |      | 2.0 | T   |     |    |    |    |    |     |     |     | T  | T  | T  |     |    |     |     | 1.0 | T   |     |     |     |     |     |     |     |     |    |    |     |  |
| BRAOFORO FAA AIRPORT    | T            | T |   |   | T   | T  | .8   | .8  | .3  | T   | 1  |    | .6 | T  | T   | 2   | 2   | 1  |    | T  | 1.6 | .7 | T   | 1.0 | T   | 3   | 1.7 | T   | T   | T   | T   |     |     |     |    |    |     |  |
| BRAOFORO 4 W RES        |              |   |   |   | T   |    | 1.5  | 4.0 | 5   | T   |    |    | .5 | 1  | T   | 1.0 | 1   | T  |    |    | 2.2 | .5 | T   | 2   | 1.5 | .5  | .5  | 1.0 | T   | 1.0 | .5  | T   |     |     |    |    |     |  |
| BROOKVILLE FAA AIRPORT  |              |   |   |   | T   |    | T    | T   | T   |     | 1  |    |    |    |     |     |     | T  |    |    | T   | T  | T   | .5  | 5.0 | T   |     | 1.0 | 1.0 | T   | 1.0 | T   |     |     |    |    |     |  |
| CANTON 1 NW             |              |   |   |   |     |    |      |     | T   | T   |    |    |    |    |     |     |     | T  |    |    |     |    |     |     |     | 2.0 | .5  | .1  | 2.0 | T   | 2.0 | T   |     |     |    |    |     |  |
| CARLISLE                |              |   |   |   |     |    |      |     | T   | 1.5 | 1  |    |    |    |     |     |     |    |    |    |     |    |     | 2.0 | 4.0 | 6   | 6   | 6   | 3.0 | 5   | 3   | 3   | 3   |     |    |    |     |  |
| CARROLLTOWN 2 SSE       |              |   |   |   |     |    |      | 1.0 | T   | 1.0 | 2  |    |    | T  | T   | T   |     |    |    |    |     |    |     | T   | 1.0 | 1.0 | 1   | 4.0 | 2.0 | 1.0 | 5   | 4   | 1.0 | 1.0 | T  |    |     |  |
| CORRY                   |              |   |   |   | 1.5 | T  | 10.0 | 9.0 | .5  | T   | 10 | 4  | 2  |    | .5  | T   | 1.0 | T  |    |    |     |    |     | 3.0 | 2.5 | .5  | 2.0 | 1.0 | .3  | 3.0 | .5  | .5  | .3  | 3   | 4  |    |     |  |
| DONEGAL                 | -            | - | - | - | -   | -  | -    | -   | -   | -   | -  | -  | -  | -  | -   | -   | -   | -  | -  | -  | -   | -  | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  |     |  |
| DU BOIS 7 E             |              |   |   |   | T   |    | T    | 1.0 | T   | T   |    |    |    | T  |     |     |     |    |    |    |     |    |     | 1.0 | .5  | T   | 4.0 | T   | 1.0 | .5  | .5  | .5  | .5  | .5  | .5 |    |     |  |
| ENGLISH CENTER          |              |   |   |   |     |    |      |     |     |     |    |    |    |    |     |     |     |    |    |    |     |    |     |     |     |     |     |     |     |     |     |     |     |     |    |    |     |  |
| ERIE WB AIRPORT         |              |   |   |   | T   | T  | 2.7  | .1  | T   |     |    |    |    |    | 4.9 | .1  | T   | 2  | 2  | 2  | T   |    |     | T   | .3  | .3  | T   | .3  | .6  | T   | .8  | 1.4 | T   | 2.4 | T  | .4 |     |  |
| EVERETT 1 SW            | -            | - | - | - | -   | -  | -    | -   | -   | -   | -  | -  | -  | -  | -   | -   | -   | -  | -  | -  | -   | -  | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  |     |  |
| FORO CITY 4 S OAM       |              |   |   |   |     |    |      | T   | T   | 1.5 | 1  |    |    | T  | T   | T   |     |    |    |    |     |    |     |     | T   | T   | T   | 2.0 | 1.0 | T   | 3   | 2   | 1   | 1   | .5 | T  | .5  |  |
| GALETON                 |              |   |   |   |     |    | T    | T   | .3  | .3  | 1  |    |    |    |     |     | T   |    |    |    |     |    |     | .3  |     | .3  | T   | T   | 2.0 | .3  | 2   | 1   | 1   |     |    | .2 | T   |  |
| GEORGE SCHOOL           |              |   |   |   |     |    |      |     |     | 2.0 | 2  | 1  |    |    |     |     |     |    |    |    |     |    |     |     | 4.0 | 2.1 | 6   | 6   | 5   | 5   | 3   | 3   | 3   | 3   | 3  | 3  |     |  |
| GREENSBORO LOCK 7       |              |   |   |   |     |    | T    | T   | 1.3 | T   |    |    |    |    |     |     |     |    |    |    |     |    |     |     |     | 1.0 | T   | T   | 2.0 | T   | T   | T   | T   | T   | T  | T  | T   |  |
| HANOVER                 |              |   |   |   |     |    |      |     |     | 1.0 | T  |    |    |    |     |     |     |    |    |    |     |    |     |     |     | 7.0 | 1.5 | 6   | 7   | 6   | 5   | 1.0 | T   | 3   | 3  | 3  | 3   |  |
| HARRISBURG WB AIRPORT   |              |   |   |   |     |    |      | 1.6 |     | 1   | T  |    |    |    |     | .1  | .4  | 1  | T  |    |     |    |     | T   | T   | 4.2 | 9.7 | 4   | 10  | 7   | 6   | 5   | 6   | 5   | 6  | 5  | .4  |  |
| HOLTWOOD                |              |   |   |   |     |    |      |     |     | .5  | 1  |    |    |    |     |     |     |    |    |    |     |    |     |     | 1.0 | T   | 1   | T   | 3.0 | 1.5 | 3   | 5   | 1   | 1   |    |    | 1.0 |  |
| INDIANA 3 SE            |              |   |   |   |     |    |      | .2  | T   | .9  | T  |    |    |    | T   | T   | T   |    |    |    |     |    |     |     |     | T   | .2  | T   | T   | 2.0 | 1.5 | .5  | 3   | 2   | .5 | .5 | .4  |  |
| KANE 1 NNE              |              |   |   |   |     |    | T    | 2.0 | .5  | T   |    |    |    | T  | T   | 1.3 | 1   | 1  |    |    |     |    |     | T   | .8  | 1.0 | 2   | 3.0 | .3  | .5  | 1.0 | 1.0 | .3  | T   | 3  | .2 |     |  |
| LANCASTER 2 NE PUMP STA |              |   |   |   |     |    |      |     |     | 2.0 | -  |    |    |    |     |     |     |    |    |    |     |    |     |     | 3.5 | 1.0 | 4   | 2   | 1   | 1   | 2.0 | 3   | 3   | 3   | 2  |    |     |  |
| LAWRENCEVILLE 2 S       |              |   |   |   |     |    | T    | T   |     |     |    |    |    |    |     |     |     |    |    |    |     |    |     |     | T   | T   | T   | T   | 1.0 | 1   | 1   | 1.0 | 1   | 1   | 1  | T  | T   |  |
| LEWISTOWN               |              |   |   |   |     |    |      |     |     | 1.0 | 1  | T  |    |    |     |     |     |    |    |    |     |    |     |     |     | 1.0 | 3.5 | 1   | 4   | 3   | 3   | 2   | -   | 3   | 3  | T  | T   |  |
| MARTINSBURG FAA AIRPORT |              |   |   |   |     |    | T    | T   | .4  | T   | 1  | T  |    |    | T   | T   |     |    |    |    |     |    |     |     | T   | T   | T   | .8  | 3.0 | T   | T   | -   | -   | -   | T  | T  | 2   |  |
| MATAMORAS               |              |   |   |   |     |    |      |     |     | 1.3 | 1  |    |    |    |     |     |     |    |    |    |     |    |     |     |     | 2.4 | 4.0 | 6   | 5   | 5   | 1.0 | 5.5 | 5   | 6   | 6  | 6  | 6   |  |
| MEAOVILLE 1 S           |              |   |   |   | .2  | .2 | T    | 5.2 | 1.3 | .2  | T  |    | .1 | .5 | .8  | 1   | 1   | T  |    |    |     |    |     | .3  | 2.5 | 1.6 | T   | 3.0 | .5  | .5  | .6  | 1.7 | .5  | .5  | .2 |    |     |  |
| MEOIX RUN               |              |   |   |   |     |    | T    | T   | .1  | .5  | T  | T  |    | .2 | T   | T   | T   |    |    |    |     |    |     |     | T   | T   | T   | T   | 3.3 | .9  | .1  | .1  | T   | .4  | .4 | .4 | .4  |  |
| MONTROSE                | T            | T |   |   |     | T  | .2   | T   | .6  | T   | T  | T  |    | T  | .2  | T   |     |    |    |    |     |    |     | 3.0 | T   | .5  | .2  | .5  | 5.0 | T   | 2.2 | 3.5 | T   | 8   | 7  | 7  | 7   |  |
| NEWPORT                 | -            | - | - | - | -   | -  | -    | -   | -   | -   | -  | -  | -  | -  | -   | -   | -   | -  | -  | -  | -   | -  | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   |  |
| PHILADELPHIA WB AIRPORT |              |   |   |   |     |    |      | 2.0 |     | 2   |    |    |    |    |     |     |     |    |    |    |     |    |     |     |     |     | 2.9 | .3  | 2   | 2   | 1   | 1   | T   |     |    | T  | T   |  |
| PHILIPSBURG FAA AIRPORT |              |   |   |   | T   | T  | T    |     |     |     |    |    |    | T  | T   | T   |     |    |    |    |     |    |     |     | T   | 1.0 | T   | -   | -   | -   | -   | -   | -   | -   | -  | -  | -   |  |
| PITTSBURGH WB AIRPORT 2 |              |   |   |   |     |    | .2   | T   | 1.3 | T   | 1  |    |    |    | T   | T   | T   |    |    |    |     |    |     |     | T   | .1  | .1  | T   | 2.1 | T   | 1   | 1.0 | T   | .2  | .2 | .2 | .2  |  |
| PLEASANT MOUNT 1 W      |              |   |   |   |     |    | .4   | 2.0 | 2   | 2   | 1  | 1  | 1  | 1  | 1   | 1   | 1   | 1  |    |    |     |    |     | 1.0 | .1  | 1.0 | T   | T   | 2   | 2   | 2   | 2   | 1.0 | 8   | 8  | 8  | 8   |  |
| REAONG WB CITY          |              |   |   |   |     |    |      | 1.2 | T   | 1   | T  |    |    |    |     |     |     |    |    |    |     |    |     |     |     |     | 3.9 | 3.7 | 4   | 7   | 5   | 3   | .9  | 3   | 3  | 3  | .2  |  |

See reference notes following Station Index

# SNOWFALL AND SNOW ON GROUND

PENNSYLVANIA  
DECEMBER 1961

CONTINUED

| Station                 | Day of month |   |   |   |   |   |   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |    |    |   |
|-------------------------|--------------|---|---|---|---|---|---|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
|                         | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8   | 9   | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30 | 31 |   |
| SCRANTON WB AIRPORT     |              |   |   |   |   |   | T |     | 1.1 | .2  | T  | T  |    |    | T  | .1 | T  | T  |    | T  | .2 | .3  | 1.3 | 5.3 | .2  |     | .3  | 3.8 |     | T  | T  |   |
|                         |              |   |   |   |   |   |   |     | 1   |     | T  |    |    |    | T  |    | T  |    |    |    |    | T   | 2   | 6   | 6   | 6   | 5   | 5   | 5   | 5  | 5  |   |
|                         |              |   |   |   |   |   |   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |     |     | .1  | .5  | .5  | .4  | .4  | .4  | .4 | .4 |   |
| SHIPPENSBURG            |              |   |   |   |   |   |   |     | T   | 1.0 | T  |    |    |    |    |    |    |    |    |    |    |     | 1.0 | 8.0 | T   |     | 4.0 |     |     |    |    |   |
|                         |              |   |   |   |   |   |   |     | T   | T   | T  |    |    |    |    |    |    |    |    |    |    |     | 1   | 9   | 8   | 8   | 5   | 7   | 6   | 6  | 6  |   |
| SLIPPERY ROCK           |              |   |   |   |   |   |   | T   | T   | T   |    |    |    |    | T  |    |    |    |    |    |    | 1.0 | T   | 1.0 | 2.0 | T   |     | 1.0 | T   | T  |    |   |
|                         |              |   |   |   |   |   |   | T   | T   | T   |    |    |    |    |    |    |    |    |    |    |    | 1   | 1   | 2   | 3   | 3   | 2   | 2   | 2   | 2  |    |   |
| TIONESTA 2 SE DAM       |              |   |   |   |   |   | T | 1.5 | T   |     |    |    | T  | T  | .5 |    |    |    |    |    | T  | 3.0 | T   | 5.0 | 2.0 | .5  | .5  | .5  | .5  | .5 |    |   |
|                         |              |   |   |   |   |   | T | 2   | 1   | T   |    |    | T  | T  | 1  | T  | T  |    |    |    | T  | 3   | 2   | 1   | 6   | 6   | 6   | 5   | 5   | 6  |    |   |
| TOWANDA 1 ESE           |              |   |   |   |   |   |   |     |     | T   |    |    |    |    | T  |    |    |    |    |    |    | T   | T   |     | 1.5 | 3.5 |     | 1.0 | 7.5 |    |    |   |
|                         |              |   |   |   |   |   |   |     |     | T   |    |    |    |    | T  |    |    |    |    |    |    | T   | T   |     | 2   | 5   | 4   | 3   | 3   | 9  | 5  | 4 |
| TOWER CITY 1 S          |              |   |   |   |   |   |   |     |     | 2.0 |    |    |    |    |    |    | .7 |    |    |    |    |     |     | 3.3 | 1.0 |     |     | 2.0 |     |    |    |   |
|                         |              |   |   |   |   |   |   |     | 2   |     | 1  |    |    |    |    | 1  | T  |    |    |    |    |     |     | 3   | 3   | 3   | 3   | 4   | 4   | 4  | 4  |   |
| WILLIAMSPORT WB AIRPORT |              |   |   |   |   |   | T | T   | .9  | T   |    |    |    |    | T  | T  | .3 |    |    |    | T  | T   | .3  | T   | 5.7 | T   | T   | 3.2 | T   | T  |    |   |
|                         |              |   |   |   |   |   |   |     | 1   | T   |    |    |    |    | T  | T  | T  |    |    |    |    | T   | T   | 1   | 1   | 6   | 4   | 2   | 1   | 3  | 3  |   |
|                         |              |   |   |   |   |   |   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |     |     | 1   | 1   | .6  | .4  | .2  | .3  | .3 | .3 |   |
|                         |              |   |   |   |   |   |   |     |     |     |    |    |    |    |    |    |    |    |    |    |    |     |     |     | .6  | .4  | .2  | .3  | .3  | .3 | .3 |   |

See reference notes following Station Index.

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
DELAYED DATA

| Station                 | Temperature     |                 |         |                                |         |      |        |      |             |              |              |              |             | Precipitation |        |                                |              |      |             |                     |      |             |            |              |
|-------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|--------------|-------------|---------------|--------|--------------------------------|--------------|------|-------------|---------------------|------|-------------|------------|--------------|
|                         | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |              |             |               | Total  | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                     |      | No. of Days |            |              |
|                         |                 |                 |         |                                |         |      |        |      |             | Max.         |              | Min.         |             |               |        |                                |              |      | Total       | Max Depth on Ground | Date | 10 or More  | 50 or More | 1.00 or More |
|                         |                 |                 |         |                                |         |      |        |      |             | 32° or Above | 32° or Below | 32° or Below | 0° or Below | 0° or Below   |        |                                |              |      |             |                     |      |             |            |              |
| MAY 1961                |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| MIDLAND DAM 7           |                 |                 | M       |                                |         |      |        |      |             | 0            | 0            | 0            | 0           |               |        |                                |              |      |             |                     |      |             |            |              |
| MONTGOMERY LOCK AND DAM |                 |                 | M       |                                |         |      |        |      |             | 0            | 0            | 0            | 0           |               |        |                                |              |      |             |                     |      |             |            |              |
| JUNE 1961               |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| BETHLEHEM LEHIGH UNIV   | 81.0            | 65.1            | 73.1    | 2.0                            | 92      | 13+  | 54     | 17+  | 5           | 2            | 0            | 0            | 0           | 2.00          | - 1.79 | .39                            | 22           | .0   | 0           | 9                   | 0    | 0           |            |              |
| AUGUST 1961             |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| BETHLEHEM LEHIGH UNIV   | 81.7            | 69.0            | 75.4    | 1.8                            | 90      | 7    | 58     | 14   | 0           | 1            | 0            | 0            | 0           | 5.51          | 1.01   | 1.51                           | 21           | .0   | 0           | 10                  | 3    | 2           |            |              |
| DIXON                   | 81.2            | 56.1            | 68.7    |                                | 89      | 11   | 43     | 18+  | 22          | 0            | 0            | 0            | 0           | 3.05          |        | 1.09                           | 27           | .0   | 0           | 8                   | 2    | 1           |            |              |
| SEPTEMBER 1961          |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| DIXON                   | 80.8            | 53.2            | 67.0    |                                | 91      | 13   | 30     | 30   | 104         | 5            | 0            | 2            | 0           | .79           |        | .47                            | 4            | .0   | 0           | 2                   | 0    | 0           |            |              |
| OCTOBER 1961            |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| BURNT CABINS 2 NE       | 69.7            | 39.6            | 54.7    |                                | 80      | 14   | 25     | 28   | 312         | 0            | 0            | 6            | 0           |               |        |                                |              |      | 0           |                     |      |             |            |              |
| PHOENIXVILLE 1 E        | 70.2            | 41.3            | 55.8    | -.8                            | 80      | 10+  | 28     | 27   | 282         | 0            | 0            | 4            | 0           | 1.41          | - 1.71 | .46                            | 21           | .0   | 0           | 4                   | 0    | 0           |            |              |
| NOVEMBER 1961           |                 |                 |         |                                |         |      |        |      |             |              |              |              |             |               |        |                                |              |      |             |                     |      |             |            |              |
| MEADVILLE 1 S           | 48.3            | 31.3            | 39.8    | .5                             | 80      | 4    | 21     | 22+  | 747         | 0            | 1            | 19           | 0           | 3.59          | .47    | 1.22                           | 17           | 8.7  | 2           | 18+                 | 6    | 2           | 2          |              |

See Reference Notes Following Station Index

# DAILY PRECIPITATION

PENNSYLVANIA  
DELAYED DATA

| Station                 | Day of month |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      | Total |  |  |
|-------------------------|--------------|-----|------|-----|-----|---|-----|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|------|------|-----|------|-----|------|------|-----|-----|-----|------|-------|--|--|
|                         | 1            | 2   | 3    | 4   | 5   | 6 | 7   | 8    | 9   | 10  | 11  | 12  | 13  | 14  | 15   | 16   | 17  | 18  | 19  | 20  | 21   | 22   | 23  | 24   | 25  | 26   | 27   | 28  | 29  | 30  | 31   |       |  |  |
| MAY 1961                |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| MIDLAND DAM 7           |              |     |      |     |     |   | .18 | .05  | .44 | .04 |     | .02 |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| MONTGOMERY LOCK & DAM   |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     | T   | .45 |     |      | .15  |     |      |     | .80  | .02  |     |     |     | .21  |       |  |  |
| JUNE 1961               |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| BETHLEHEM LEHIGH UNIV   |              | .28 | .17  |     | .17 |   |     |      | .05 | .22 |     |     |     |     | .15  |      |     |     |     |     | .05  | .39  | .22 | .14  |     | .18  |      |     |     |     |      |       |  |  |
| CHADDS FORD             |              |     | .16  |     | .03 |   |     |      | .04 | .35 |     |     |     | .98 | .41  |      |     |     |     |     |      | 1.24 |     |      |     | .15  | .49  |     |     |     |      |       |  |  |
| JULY 1961               |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| POTTSVILLE              | .13          | .05 | .09  |     | T   |   |     | .01  |     |     |     |     | .46 | .28 | T    | 1.95 | .11 | .01 |     |     | .36  | .04  |     |      |     | .51  | T    | T   |     | .42 | 1.15 | T     |  |  |
| WEST HICKORY            |              |     | .80  |     |     |   |     |      |     |     |     |     | .20 | .10 | .01  | .18  |     |     |     | .25 | .25  |      | .49 | .03  | .45 | .18  |      |     |     |     |      |       |  |  |
| AUGUST 1961             |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| BETHLEHEM LEHIGH UNIV   | .01          | .04 | .46  |     |     |   |     |      |     | .16 | .90 |     |     |     |      |      |     |     |     |     | .15  | 1.51 |     | .30  | .04 | .10  | .22  | .18 |     |     | 1.44 |       |  |  |
| BRADFORD CNTRL FIRE STA | .25          | .10 | .18  |     | .01 |   |     |      |     | .02 | .07 | .02 |     |     |      |      |     |     |     | .08 | .28  | .17  |     |      |     | .82  | .03  | .03 | .29 | .08 | T    |       |  |  |
| CHADDS FORD             |              |     |      |     |     |   |     |      |     |     | .22 |     |     |     |      |      |     |     |     |     | 1.35 | .16  | .46 | .61  |     | .15  | .28  |     |     | .22 |      |       |  |  |
| DIXON                   | .39          | T   | .17  |     |     |   | .13 |      |     |     | T   | .19 |     |     |      |      |     |     |     |     | .01  | .64  |     | .10  |     | .33  | 1.09 |     |     |     |      |       |  |  |
| KARTHAUS                | T            | .02 | 1.54 |     |     |   |     |      |     | .04 | .39 |     |     |     |      |      |     |     |     |     |      | .18  |     |      | T   | 1.63 |      |     | T   | .02 |      |       |  |  |
| PALM                    | .18          |     | .45  |     |     |   | .28 |      |     |     |     |     |     |     |      |      |     |     |     |     | 1.10 | .30  | .12 | .23  |     | .12  |      |     |     |     |      |       |  |  |
| SEPTEMBER 1961          |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| CHADDS FORD             |              |     | .39  | .12 |     |   |     |      |     |     |     |     |     |     | 2.31 |      |     |     |     |     |      | .61  | .11 |      |     |      |      |     |     |     |      |       |  |  |
| DIXON                   | .09          |     | .47  |     |     |   |     |      |     |     |     |     |     |     | .16  |      |     |     |     |     | T    | .07  |     |      |     |      |      |     |     |     |      |       |  |  |
| GRATERFORD              |              |     | .06  |     |     |   |     |      |     |     |     |     |     |     | .85  | .05  |     |     |     |     | .06  | .81  | .16 |      |     |      |      |     |     |     |      |       |  |  |
| KARTHAUS                |              | .60 | .35  |     |     |   |     | 1.97 |     |     |     |     |     |     | .35  |      |     |     |     |     |      |      |     |      |     | .10  |      |     |     |     |      |       |  |  |
| OCTOBER 1961            |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| BURNT CABINS            |              | .19 | .65  |     |     |   |     |      |     |     |     | .19 |     |     |      |      |     |     |     |     |      |      | .33 |      |     | .12  |      |     |     |     | .12  |       |  |  |
| KARTHAUS                |              | .33 | .52  |     |     |   |     |      |     |     |     |     | .28 | .10 |      |      |     |     |     |     |      |      |     |      |     | .34  | .03  | .04 |     | .05 | .32  |       |  |  |
| PHOENIXVILLE 1 E        | .16          | .36 | .05  |     |     |   |     |      |     |     |     | .33 |     | .05 |      |      |     |     |     |     |      | .46  | T   |      |     |      |      |     |     | T   |      |       |  |  |
| WEST HICKORY            | .69          | .10 | .21  |     |     |   |     |      |     |     |     | .75 | .05 | .15 |      |      |     |     |     |     |      |      |     |      |     | .37  | .30  | .10 |     | .14 | .33  |       |  |  |
| NOVEMBER 1961           |              |     |      |     |     |   |     |      |     |     |     |     |     |     |      |      |     |     |     |     |      |      |     |      |     |      |      |     |     |     |      |       |  |  |
| MEADVILLE 1 S           |              |     | .22  | .01 |     |   | .03 | .19  | .04 |     | T   | .03 | .33 | T   |      | 1.22 | .28 | T   |     | .05 | .02  |      | T   | 1.14 | T   |      | .03  | T   | T   |     |      |       |  |  |

# DAILY TEMPERATURES

| Station                 |     | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|-------------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                         |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| MAY 1961                |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| MIDLAND DAM 7           | MAX | 66           | 53 | 52 | 63 | 68 | 67 | 77 | 77 | 64 | 77 | 75 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
|                         | MIN | 43           | 36 | 39 | 33 | 35 | 53 | 57 | 59 | 52 | 52 | 44 | 60 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| MONTGOMERY LOCK AND DAM | MAX |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 73 | 83 | 65 | 61 | 62 | 67 | 76 | 80 | 79 | 54 | 76 | 77 | 67   | 76      |
|                         | MIN |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 51 | 50 | 37 | 41 | 39 | 38 | 35 | 43 | 41 | 36 | 38 | 55 | 35   | 35      |
| JUNE 1961               |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| BETHLEHEM LEHIGH UNIV   | MAX | 83           | 84 | 83 | 73 | 83 | 84 | 86 | 74 | 78 | 80 | 83 | 92 | 92 | 84 | 66 | 74 | 80 | 81 | 86 | 88 | 78 | 76 | 83 | 78 | 78 | 80 | 73 | 79 | 83 | 87 | 81.0 |         |
|                         | MIN | 63           | 76 | 60 | 54 | 59 | 74 | 68 | 69 | 71 | 72 | 68 | 70 | 76 | 77 | 57 | 54 | 54 | 58 | 60 | 68 | 67 | 68 | 62 | 66 | 64 | 61 | 61 | 61 | 65 | 71 | 65.1 |         |
| AUGUST 1961             |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| BETHLEHEM LEHIGH UNIV   | MAX | 81           | 71 | 78 | 78 | 77 | 79 | 90 | 88 | 88 | 88 | 81 | 84 | 82 | 79 | 84 | 86 | 80 | 82 | 79 | 78 | 69 | 82 | 75 | 80 | 84 | 81 | 83 | 88 | 84 | 85 | 88   | 81.7    |
|                         | MIN | 73           | 68 | 68 | 68 | 69 | 69 | 70 | 68 | 72 | 73 | 71 | 76 | 69 | 58 | 62 | 66 | 62 | 60 | 62 | 64 | 63 | 68 | 70 | 70 | 75 | 75 | 73 | 75 | 76 | 72 | 74   | 69.0    |
| DIXON                   | MAX | 81           | 82 | 69 | 81 | 83 | 85 | 78 | 81 | 85 | 86 | 89 | 88 | 84 | 70 | 75 | 86 | 80 | 81 | 84 | 85 | 83 | 65 | 81 | 76 | 81 | 84 | 79 | 83 | 86 | 83 | 83   | 81.2    |
|                         | MIN | 60           | 58 | 62 | 58 | 56 | 56 | 56 | 56 | 56 | 59 | 59 | 59 | 52 | 44 | 44 | 50 | 43 | 43 | 46 | 50 | 58 | 58 | 58 | 63 | 65 | 66 | 64 | 63 | 63 | 58 | 55   | 56.1    |
| SEPTEMBER 1961          |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| DIXON                   | MAX | 90           | 89 | 88 | 84 | 90 | 89 | 89 | 80 | 86 | 85 | 86 | 90 | 91 | 90 | 84 | 66 | 70 | 70 | 73 | 72 | 74 | 81 | 81 | 89 | 89 | 76 | 69 | 72 | 68 | 63 | 80.8 |         |
|                         | MIN | 59           | 64 | 65 | 65 | 65 | 59 | 59 | 67 | 59 | 59 | 59 | 59 | 61 | 63 | 55 | 38 | 36 | 35 | 35 | 43 | 61 | 55 | 55 | 56 | 59 | 59 | 44 | 41 | 32 | 30 | 53.2 |         |
| OCTOBER 1961            |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| BURNT CABINS            | MAX | 72           | 74 | 73 | 56 | 70 | 73 | 76 | 75 | 75 | 77 | 77 | 77 | 79 | 80 | 49 | 56 | 69 | 77 | 78 | 75 | 70 | 64 | 65 | 62 | 72 | 72 | 46 | 56 | 75 | 71 | 72   | 69.7    |
|                         | MIN | 53           | 50 | 48 | 38 | 32 | 38 | 40 | 40 | 40 | 45 | 41 | 44 | 45 | 46 | 47 | 39 | 43 | 30 | 37 | 39 | 43 | 46 | 42 | 28 | 34 | 36 | 43 | 36 | 25 | 29 | 32   | 40      |
| PHOENIXVILLE 1 E        | MAX | 75           | 68 | 68 | 59 | 67 | 77 | 80 | 72 | 80 | 80 | 79 | 75 | 79 | 74 | 54 | 56 | 69 | 78 | 74 | 73 | 69 | 63 | 58 | 61 | 70 | 64 | 60 | 65 | 77 | 79 | 74   | 70.2    |
|                         | MIN | 43           | 47 | 49 | 45 | 31 | 40 | 44 | 50 | 53 | 46 | 50 | 50 | 48 | 48 | 40 | 43 | 33 | 42 | 44 | 40 | 45 | 41 | 32 | 30 | 35 | 38 | 28 | 34 | 39 | 39 | 34   | 41.3    |
| NOVEMBER 1961           |     |              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |         |
| MEADVILLE 1 S           | MAX | 61           | 50 | 65 | 80 | 51 | 61 | 47 | 47 | 37 | 34 | 39 | 57 | 56 | 64 | 50 | 51 | 59 | 41 | 40 | 34 | 35 | 38 | 44 | 47 | 41 | 50 | 60 | 41 | 32 | 38 | 48.3 |         |
|                         | MIN | 45           | 31 | 44 | 40 | 40 | 38 | 31 | 33 | 28 | 21 | 22 | 25 | 43 | 46 | 29 | 29 | 40 | 28 | 21 | 22 | 29 | 21 | 23 | 39 | 25 | 26 | 35 | 27 | 28 | 31 | 31.3 |         |

See reference notes following Station Index.

## DAILY SOIL TEMPERATURES

PENNSYLVANIA  
DELAYED DATA

| Station<br>And<br>Depth                       | Time | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Average |
|---|------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|   |      | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |         |
| NOVEMBER 1961<br>LANDISVILLE 2 NW<br>2 INCHES | 8 AM | 50           | 45 | 53 | 58 | 59 | 59 | 54 | 47 | 44 | 42 | 40 | 41 | 47 | 50 | 51 | 48 | 49 | 44 | 41 | 42 | 40 | 38 | 40 | 46 | 41 | 39 | 42 | 38 | 36 | 37 | 45.4    |

Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

## SNOWFALL AND SNOW ON GROUND

| Station                        |                       | Day of month |   |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |    |     |    |     |    |    |    |    |    |    |    |    |    |    |
|--------------------------------|-----------------------|--------------|---|---|---|---|---|---|---|---|-----|----|----|----|----|----|----|----|----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|
|                                |                       | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19  | 20 | 21  | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| NOVEMBER 1961<br>MEADVILLE 1 S | SNOWFALL<br>SN ON GND |              |   |   |   |   |   |   |   | T | 3.3 | .7 |    |    |    |    |    |    |    | 3.5 | T  | 1.0 | .2 |    |    |    | T  |    |    | T  | T  |    |

See reference notes following Station Index.

# CLIMATOLOGICAL DATA

PENNSYLVANIA  
CORRECTED DATA

| Station                         | Temperature     |                 |         |                                |         |      |        |      |             |              |              | Precipitation |              |       |                                |              |      |             |                      |      |              |             |              |             |
|---------------------------------|-----------------|-----------------|---------|--------------------------------|---------|------|--------|------|-------------|--------------|--------------|---------------|--------------|-------|--------------------------------|--------------|------|-------------|----------------------|------|--------------|-------------|--------------|-------------|
|                                 | Average Maximum | Average Minimum | Average | Departure From Long Term Means | Highest | Date | Lowest | Date | Degree Days | No. of Days  |              |               |              | Total | Departure From Long Term Means | Greatest Day | Date | Snow, Sleet |                      |      | No. of Days  |             |              |             |
|                                 |                 |                 |         |                                |         |      |        |      |             | Max          |              | Min.          |              |       |                                |              |      | Total       | Max. Depth on Ground | Date | 1.00 or More | .50 or More | 1.00 or More |             |
|                                 |                 |                 |         |                                |         |      |        |      |             | 90° or Above | 80° or Above | 32° or Below  | 20° or Below |       |                                |              |      |             |                      |      |              |             |              | 0° or Below |
| MAY 1961<br>MARION CENTER 2 SE  | 64.6            | 42.6            | 53.6    |                                | 85      | 15   | 28     | 4+   | 359         | 0            | 0            | 4             | 0            | 3.59  |                                | .98          | 7    | T           |                      |      |              | 7           | 3            | 0           |
| JUNE 1961<br>MARION CENTER 2 SE | 76.6            | 53.6            | 65.1    |                                | 97      | 1    | 41     | 4    | 63          | 1            | 0            | 0             | 0            | 4.06  |                                | 1.17         | 10   | .0          | 0                    |      | 10           | 3           | 1            |             |

## DAILY TEMPERATURES

| Station                         |     | Day of month |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | Average |
|---------------------------------|-----|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|---------|
|                                 |     | 1            | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31   |         |
| MAY 1961<br>MARION CENTER 2 SE  | MAX | 60           | 49 | 48 | 58 | 61 | 56 | 68 | 72 | 78 | 65 | 69 | 69 | 78 | 83 | 85 | 73 | 68 | 59 | 52 | 60 | 56 | 49 | 62 | 70 | 76 | 70 | 46 | 70 | 62 | 61 | 71   | 64.6    |
|                                 | MIN | 42           | 28 | 37 | 28 | 32 | 47 | 49 | 55 | 54 | 45 | 45 | 54 | 57 | 55 | 59 | 54 | 34 | 52 | 46 | 35 | 43 | 42 | 35 | 34 | 36 | 40 | 34 | 33 | 49 | 32 | 35   | 42.6    |
| JUNE 1961<br>MARION CENTER 2 SE | MAX | 97           | 81 | 79 | 73 | 81 | 80 | 81 | 77 | 69 | 77 | 84 | 86 | 86 | 73 | 66 | 70 | 73 | 76 | 76 | 77 | 63 | 74 | 74 | 69 | 68 | 68 | 77 | 80 | 83 | 80 | 76.6 |         |
|                                 | MIN | 51           | 56 | 59 | 41 | 51 | 55 | 58 | 61 | 63 | 62 | 58 | 60 | 62 | 58 | 43 | 44 | 44 | 44 | 53 | 58 | 58 | 54 | 56 | 46 | 48 | 47 | 48 | 53 | 52 | 63 | 53.6 |         |

## EVAPORATION AND WIND

| Station                          |      | Day of month |     |     |     |    |    |    |    |    |    |    |    |    |    |     |     |    |    |    |    |     |    |    |    |     |     |     |     |     |    |      | Total | Avg |
|----------------------------------|------|--------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|----|------|-------|-----|
|                                  |      | 1            | 2   | 3   | 4   | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15  | 16  | 17 | 18 | 19 | 20 | 21  | 22 | 23 | 24 | 25  | 26  | 27  | 28  | 29  | 30 | 31   |       |     |
| MAY 1961<br>BELLEFONTE 4 S       | WIND | 70           | 52  | 153 | 101 | 61 | 37 | 88 | 86 | 73 | 76 | 29 | 61 | 59 | 57 | 53  | 100 | 85 | 39 | 91 | 76 | 98  | 64 | 51 | 75 | 101 | 168 | 85  | 135 | 135 | 73 | 88   | 2520  |     |
| JUNE 1961<br>BELLEFONTE 4 S      | WIND | 99           | 161 | 143 | 66  | 75 | 80 | 43 | 46 | 68 | 66 | 62 | 49 | 44 | 63 | 46  | 33  | 32 | 37 | 89 | 86 | 104 | 38 | 31 | *  | 130 | 68  | 110 | 88  | 55  | 89 | 2101 |       |     |
| JULY 1961<br>BELLEFONTE 4 S      | WIND | 76           | 96  | 143 | 120 | 64 | 40 | 31 | 61 | 47 | 39 | 71 | 69 | 68 | 55 | 57  | 39  | 82 | 82 | 70 | 29 | 52  | 31 | 23 | 36 | 103 | 84  | 28  | 29  | 34  | 44 | 49   | 1852  |     |
| AUGUST 1961<br>BELLEFONTE 4 S    | WIND | 50           | 42  | 67  | 16  | 33 | 73 | 79 | 36 | 54 | 33 | 39 | 72 | 62 | 70 | 60  | 57  | 93 | 26 | 37 | 38 | 33  | 44 | 35 | 63 | 76  | 35  | 51  | 88  | 74  | 65 | 45   | 1646  |     |
| SEPTEMBER 1961<br>BELLEFONTE 4 S | WIND | 40           | 75  | 36  | 32  | 31 | 20 | 23 | 31 | 25 | 20 | 26 | 32 | 41 | 99 | 126 | 86  | 30 | 32 | 25 | 22 | 23  | 69 | 45 | 31 | 23  | 66  | 74  | 41  | 68  | 26 | 1318 |       |     |

See Reference Notes Following Station Index

## CORRECTIONS

PENNSYLVANIA

MONTH: NOVEMBER 1960

Climatological Data Table:  
Clarion 3 SW

Total precipitation should be 2.24.  
No. of days with .10 or more, 11.  
Northwest Plateau Division average  
precipitation should be 2.33, departure  
from long-term average, -0.92.

English Center

Total precipitation should be missing.  
Greatest day of precipitation should be  
missing. No. of days with .10 or more,  
missing. .50 or more, missing. Middle  
Susquehanna Division average precipi-  
tation should be 1.90, departure from  
long-term average, -1.49.

Daily Precipitation Table:  
Clarion 3 SW

Amount on the 1st should be .43.

English Center

Amount on the 1st should be missing.

ANNUAL: 1960

Total Precipitation and Departure Table:  
Clarion 3 SW

Total precipitation for November 1960  
should be 2.24. Annual total precipi-  
tation 36.32.

English Center

Total precipitation for November 1960  
should be E1.82. Annual total precipi-  
tation E39.01.

MONTH: JANUARY 1961

Snowfall and Snow on Ground Table:  
Carlisle

Snowfall on the 8th should be 0.

MONTH: APRIL 1961

Climatological Data Table:  
Port Clinton

Total snowfall should be 1.5. East  
Central Mountains Division average snow-  
fall should be 2.4.

MONTH: MAY 1961

Daily Precipitation Table:  
Tamaqua 4 N Dam

Correct as follows: 10th, \*; 11th, 0;  
12th, .72; monthly total, 3.86.

MONTH: MAY THROUGH JUNE 1961

Daily Temperature Table:  
Marion Center 2 SE

Delete data published, see corrected data  
for record.

MONTH: MAY THROUGH SEPTEMBER 1961

Evaporation and Wind Table:  
Bellefonte 4 S

Delete all wind data. See corrected  
data for data.

MONTH: JUNE 1961

Daily Precipitation Table:  
Lynch

Correct as follows: 1st, 0; 2nd, \*, 3rd,  
0; 4th, 0; 5th, 0; 6th, 0; 7th, 0; 8th,  
0; monthly total, 5.98.

Monthly and Seasonal Snowfall Table:  
Port Clinton

Monthly total for April should be 1.5.

MONTH: SEPTEMBER 1961

Climatological Data Table:  
Allentown Gas Co

Total degree days should be 53.

Madera

Total precipitation should be 3.72. No.  
of days with precipitation .10 or more,  
4; .50 or more, 2. Central Mountains  
Division average precipitation should  
be 1.85, departure from long-term aver-  
age - 1.17.

Pleasant Mount 1 W

Total degree days should be 133.



## CORRECTIONS (Continued)

PENNSYLVANIA

MONTH: SEPTEMBER 1961

Daily Precipitation Table:  
Coraopolis Neville IslandCorrect as follows: 2nd, \*; 15th, \*;  
monthly total, 2.54.

Madera

Correct as follows: 13th, 0; 14th, 0;  
monthly total, 3.72.Daily Temperature Table:  
Tower City 1 SCorrect as follows: maximum on 27th,  
74; 28th, 75; 29th, 70; 30th, 61.  
Minimum on 27th, 42; 28th, 42; 29th,  
41; 30th, 36.

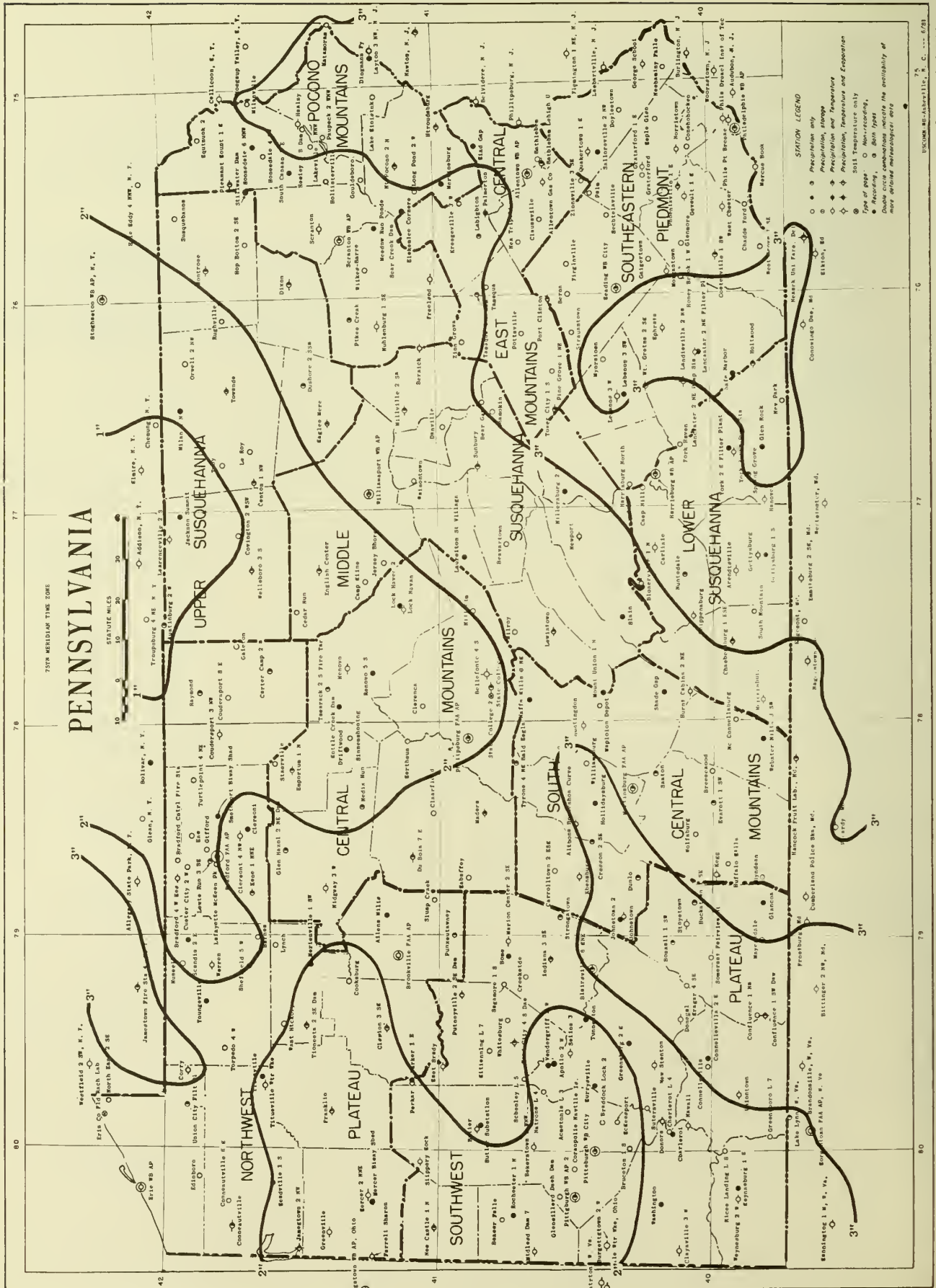
MONTH: OCTOBER 1961

Climatological Data Table:  
FranklinTotal precipitation should be, 2.90;  
departure from long-term average, - 1.6,  
No. of days with precipitation .10 or  
more, 7; .50 or more, 3; 1.00 or more,  
0. Northwest Plateau Division average  
precipitation should be 2.92, departure  
from long-term average - 0.29.Daily Precipitation Table:  
Franklin

Amount on the 31st should be .53.

# TOTAL PRECIPITATION

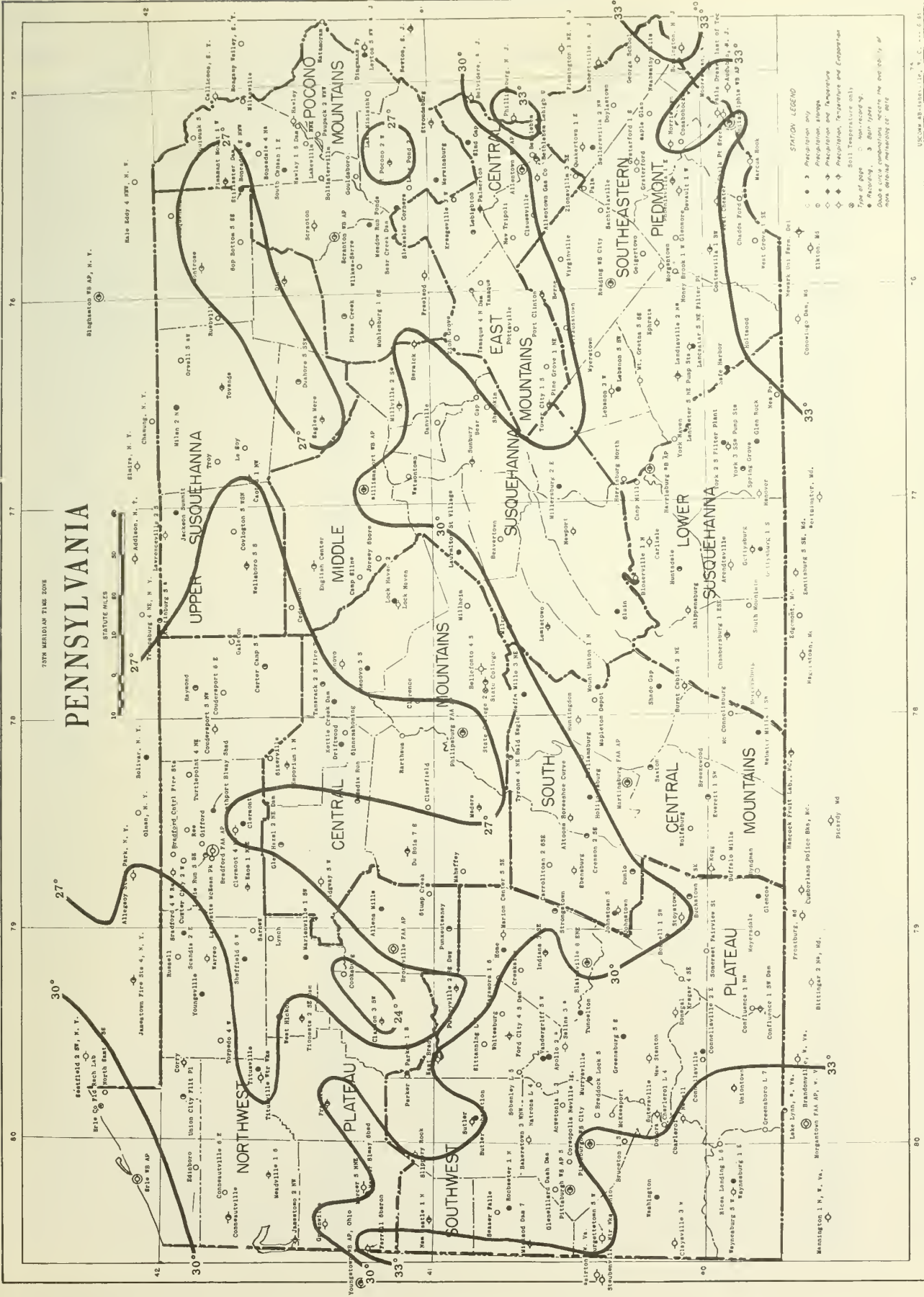
PENNSYLVANIA  
DECEMBER 1961



Isobars are drawn through points of approximately equal value. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

# AVERAGE TEMPERATURE

PENNSYLVANIA  
DECEMBER 1961



Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

PENNSYLVANIA  
DECEMBER 1961

Table with columns: STATION, INDEX NO., COUNTY, DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER, STATION, INDEX NO., COUNTY, DRAINAGE I, LATITUDE, LONGITUDE, ELEVATION, OBSERVATION TIME AND TABLES, OBSERVER. The table lists numerous weather stations across Pennsylvania, including locations like Allentown, Harrisburg, and Philadelphia, with their respective coordinates and observation details.

# STATION INDEX

CONTINUED

PENNSYLVANIA  
DECEMBER, 1963

| STATION                | INDEX NO. | COUNTY       | DRAINAGE † | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER                 | STATION               | INDEX NO. | COUNTY      | DRAINAGE † | LATITUDE | LONGITUDE | ELEVATION | OBSERVATION TIME AND TABLES |         |       |         | OBSERVER              |                     |                         |                 |  |
|------------------------|-----------|--------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|--------------------------|-----------------------|-----------|-------------|------------|----------|-----------|-----------|-----------------------------|---------|-------|---------|-----------------------|---------------------|-------------------------|-----------------|--|
|                        |           |              |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |                          |                       |           |             |            |          |           |           | TEMP.                       | PRECIP. | EVAP. | SPECIAL |                       |                     |                         |                 |  |
| STILLWATER OAM         | 8491      | SUSQUEHANNA  | 15         | 41 41    | 75 29     | 1845      |                             |         |       |         | CORPS OF ENGINEERS       | WEST HICKORY          | 9507      | FOREST      | 1          | 41 34    | 79 25     | 1090      | 8A                          |         |       |         | MRS. HELEN P. KIMMEAR |                     |                         |                 |  |
| STOYSTOWN              | 8490      | SOMERSET     | 4          | 40 06    | 78 57     | 1800      | 9A                          | 9A      |       |         | VERNON MORG              | WHITESBURG            | 9655      | ARMSTRONG   | 1          | 40 45    | 79 24     | 1530      | 7A                          |         |       |         | CORPS OF ENGINEERS    |                     |                         |                 |  |
| STRAVSTOWN             | 8720      | BERKS        | 14         | 40 29    | 75 11     | 800       |                             |         |       |         | JACOB KLAMM              | WILKES-BARRE          | 9702      | LATIMER     | 35         | 41 15    | 75 52     | 610       | 7A                          |         |       |         | MRS. MARY G. MURRAY   |                     |                         |                 |  |
| STRONGSTOWN            | 8989      | INDIANA      | 4          | 40 33    | 78 55     | 1880      |                             |         |       |         | HARRY F. BENNETT         | WILLIAMSBURG          | 9714      | BLAIR       | 6          | 40 28    | 78 12     | 860       | 7A                          |         |       |         | MYRON E. BIDDLE       |                     |                         |                 |  |
| STROODSBURG            | 8996      | MONROE       | 4          | 40 59    | 74 12     | 480       | 11R                         | 11P     |       |         | WILLIAM HAGRETT          | WILLIAMSPORT WB AP    | 9728      | LYCOMING    | 16         | 41 15    | 76 55     | 527       | M10                         | M10     |       |         |                       | U.S. WEATHER BUREAU |                         |                 |  |
| STUMP CREEK            | 8610      | JEFFERSON    | 1          | 41 01    | 78 50     | 1320      |                             |         |       |         | CORPS OF ENGINEERS       | WIND GAP              | 9781      | NORTHAMPTON | 5          | 40 51    | 75 18     | 765       |                             |         |       |         |                       |                     | MRS. MARY D. HOELZEL    |                 |  |
| SUNBURY                | 8808      | NORTHUMBLAND | 18         | 40 52    | 76 47     | 480       | 7A                          | 7A      |       |         | CHARLES W. BAYLER        | WOLFSBURG             | 9823      | BEDFORD     | 6          | 40 03    | 78 32     | 1190      | 7A                          |         |       |         |                       |                     | WALTER C. RICE          |                 |  |
| SUSQUEHANNA            | 8492      | SUSQUEHANNA  | 14         | 41 57    | 75 36     | 1020      | 7A                          | 7A      |       |         | MRS. LAURA A. BENSON     | YORK 3 SW PUMP STA    | 9933      | YORK        | 15         | 39 55    | 76 45     | 390       | 5P                          | 5P      |       |         |                       |                     | YORK WATER COMPANY      |                 |  |
| TAMAOGA                | 8758      | SCHUYLKILL   | 14         | 40 48    | 75 58     | 830       |                             |         |       |         | MRS. MARY L. ROBERTS     | YORK 2 S FILTER PLANT | 9938      | YORK        | 15         | 39 56    | 76 44     | 640       |                             |         |       |         |                       |                     | YORK WATER COMPANY      |                 |  |
| TAMBOUA 4 M DAM        | 8783      | SCHUYLKILL   | 14         | 40 51    | 75 59     | 1120      |                             |         |       |         | PANTHER VALLEY WTR. CO.  | YORK HAVEN            | 9950      | YORK        | 35         | 40 07    | 76 43     | 310       |                             |         |       |         |                       |                     | METROPOLITAN EDISON CO. |                 |  |
| TAMARACK 2 S FIRE TWR  | 8770      | CLINTON      | 16         | 41 24    | 77 51     | 2220      | 7A                          | 7A      |       |         | MRS. FRANCES SWARTZ      | YOUNGSVILLE           | 9906      | WARREN      | 1          | 41 51    | 79 19     | 1225      |                             |         |       |         |                       |                     |                         | HENRY CARLETT   |  |
| TIONESTA 2 SE OAM      | 8873      | FOREST       | 1          | 41 29    | 79 26     | 1200      | 8A                          | 8A      |       |         | CORPS OF ENGINEERS       | ZION GROVE            | 9990      | SCHUYLKILL  | 15         | 40 54    | 76 13     | 940       | 7A                          |         |       |         |                       |                     |                         | JAMES D. FEETER |  |
| TITUSVILLE             | 8885      | CRAWFORD     | 1          | 41 38    | 79 40     | 1550      |                             |         |       |         | PA. ELECTRIC CO.         | ZIONSVILLE 3 SE       | 9995      | LEHIGH      | 14         | 40 28    | 75 27     | 680       |                             |         |       |         |                       |                     |                         | LESLIE HOWATT   |  |
| TITUSVILLE WATER WORKS | 8886      | CRAWFORD     | 1          | 41 38    | 79 42     | 1220      | 7P                          | 7P      |       |         | CITY OF TITUSVILLE       |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TORTYMANA              | 8894      | MONROE       | 5          | 41 11    | 75 25     | 1950      | 5P                          | 5P      |       |         | MRS. JULIA GRADY         |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TORREDO 4 W            | 8901      | WARREN       | 1          | 41 47    | 79 32     | 1735      | 7A                          | 7A      |       |         | MRS. LILLY B. GARBER     |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TOWANDA 1 ESE          | 8904      | BRAEFORD     | 15         | 41 45    | 76 25     | 745       | 7P                          | 7A      |       |         | LEVERN ROOT              |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TOWER CITY 1 S         | 8912      | SCHUYLKILL   | 15         | 40 34    | 76 33     | 760       | 7A                          | 7A      |       |         | JOHN HURRY, JR.          |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TROY                   | 8959      | BRAEFORD     | 15         | 41 47    | 76 47     | 1100      | 7A                          | 7A      |       |         | JENNIE L. BALLARO        |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TUNNELTON              | 8989      | INDIANA      | 4          | 40 27    | 79 23     | 890       |                             |         |       |         | MRS. MARY E. WEIMER      |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TURTLEPOINT 4 NE       | 9002      | MC KEAN      | 1          | 41 54    | 79 16     | 1640      | 7A                          | 7A      |       |         | ROBERT D. STRAIT         |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| TYRONE 4 NE BALD EAGLE | 9024      | BLAIR        | 6          | 40 43    | 78 12     | 1020      | 7A                          | 7A      |       |         | FREDERICE L. FRIDAY      |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| UNION CITY FILT PLANT  | 9042      | ERIE         | 1          | 41 55    | 79 48     | 1400      | 7A                          | 7A      |       |         | HAROLD W. HAMMOND        |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| UNIONTOWN              | 9050      | FAYETTE      | 10         | 39 54    | 79 44     | 1040      | 10P                         | 10P     |       |         | WM. W. MARSTELLER        |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| VANDERGRIFT            | 9128      | WESTMORELAND | 7          | 40 36    | 79 33     | 800       | 7A                          | 7A      |       |         | UNITED ENGR. & FDRY. CO. |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| VIRGINVILLE            | 9196      | BERKS        | 14         | 40 31    | 75 52     | 350       | 8A                          | 8A      |       |         | MRS. MARY M. WRIGHT      |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WARREN                 | 9298      | WARREN       | 1          | 41 51    | 79 08     | 1280      | 7P                          | 7A      |       |         | GILBERT M. REIER         |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WASHINGTON             | 9312      | WASHINGTON   | 11         | 40 11    | 80 14     | 1200      |                             |         |       |         | PA. DEPT. HIGHWAYS       |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WATSONTOWN             | 9345      | NORTHUMBLAND | 16         | 41 05    | 76 52     | 490       | 9P                          | 9P      |       |         | WILLIAM BIRO             |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WATYSBURG 2 W          | 9362      | GREENE       | 10         | 39 54    | 80 13     | 980       | 6P                          | 7A      |       |         | SAMUEL B. GREENLEE       |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WAYNESBURG 1 E         | 9387      | GREENE       | 10         | 39 54    | 80 10     | 940       |                             |         |       |         | SEWAGE DISPOSAL PLANT    |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WEBSTER MILLS 3 SW     | 9380      | FULTON       | 12         | 38 49    | 78 05     | 920       |                             |         |       |         | WILLIAM D. COVER         |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WELLSBORO 3 S          | 9408      | TIOGA        | 16         | 41 43    | 77 16     | 1920      | 7A                          | 7A      |       |         | MARION L. SHUMWAY        |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WEST CHESTER           | 9484      | CHESTER      | 5          | 39 58    | 75 36     | 440       | 8A                          | 8A      |       |         | DAILY LOCAL NEWS         |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |
| WEST GROVE 1 SE        | 9503      | CHESTER      | 5          | 39 48    | 75 48     | 450       | 8A                          | 8A      |       |         | COMBOD-PILE CO.          |                       |           |             |            |          |           |           |                             |         |       |         |                       |                     |                         |                 |  |

† 1-ALLEGHENY; 2-BEAVER; 3-CONEMAUGH; 4-DELAWARE; 5-DELAWARE; 6-JUNIATA; 7-KISKIMINETAS; 8-LAKE ERIE; 9-LEHIGH; 10-MONONGAHELA; 11-OHIO; 12-POTOMAC; 13-LAKE ONTARIO; 14-SCHUYLKILL; 15-SUSQUEHANNA; 16-WEST BRANCH; 17-YOUGHTGHEW

REFERENCE NOTES

Additional information regarding the climate of Pennsylvania may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Harrisburg State Airport, New Cumberland, Pennsylvania, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, either are missing or were received too late to be included in this issue.

Divisions as used in "Climatological Data" Table and on the maps, became effective with data for September 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Daily Soil Temperature" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.

\* Amount included in following measurement, time distribution unknown.

# Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

X Observation time is 1:00 a.m., E.S.T. of the following day.

VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 65 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data for the respective stations, obtained as indicated, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE  
LUTHER H. HODGES, Secretary  
WEATHER BUREAU  
F. W. REICHELDERFER, Chief

In Cooperation With  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF FORESTS AND WATERS

# CLIMATOLOGICAL DATA

## PENNSYLVANIA

ANNUAL SUMMARY 1961

Volume 66 No. 13



ASHEVILLE: 1962

MAR 19 1962

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1961

Table 1

| STATION                | January     |           | February    |           | March       |           | April       |           | May         |           | June        |           | July        |           | August      |           | September   |           | October     |           | November    |           | December    |           | Annual      |           |
|------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
|                        | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure |
|                        | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           | °F          |           |
| ALLENTOWN WB AP        | 21.1        | -7.4      | 30.6        | 2.0       | 39.0        | 1.1       | 45.9        | -2.6      | 57.6        | -2.9      | 69.3        | -1.3      | 73.8        | 1.1       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| ALLENTOWN GAS CO       | 22.3        | -8.0      | 30.8        | 1.5       | 39.3        | 0.6       | 46.5        | -3.2      | 57.8        | -1.7      | 69.5        | -1.7      | 73.9        | 0.0       | 82.3        | 2.7       | 71.4        | 6.4       | 55.7        | 1.1       | 45.2        | 2.2       | 31.5        | -1.0      | 51.4        | -0.4      |
| ALTOONA HORSESHOE CURV | 22.6        | -7.5      | 31.3        | 2.2       | 39.1        | 2.1       | 42.8        | -5.4      | 54.8        | -1.4      | 65.7        | -1.7      | 70.4        | 0.8       | 81.7        | 1.0       | 67.8        | 5.0       | 54.8        | 1.9       | 41.8        | 1.3       | 29.0        | -1.3      | 49.2        | -0.6      |
| ARENDTSTOWN            | 23.4        | -7.7      | 31.6        | 3.0       | 40.9        | 1.3       | 46.8        | -3.7      | 57.8        | -1.1      | 69.2        | -1.1      | 74.7        | 1.1       | 84.1        | 2.0       | 70.6        | 5.1       | 55.0        | 0.8       | 44.7        | 2.3       | 30.3        | -1.8      | 51.5        | -0.7      |
| AUSTINBURG 2 W         | 23.1        | -7.4      | 30.6        | 2.0       | 39.0        | 1.1       | 45.9        | -2.6      | 57.6        | -2.9      | 69.3        | -1.3      | 73.8        | 1.1       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| BAKERSTOWN 3 NW        | 21.2        | -7.5      | 30.7        | 2.1       | 39.1        | 1.2       | 46.0        | -3.5      | 57.1        | -2.8      | 68.4        | -1.6      | 72.5        | 1.1       | 81.9        | 1.9       | 69.9        | 5.6       | 54.4        | 43.8      | 32.2        | 31.3      | 27.2        | 21.1      | 51.6        | 0.2       |
| BELLEFONTA 4 S         | 20.7        | -8.0      | 30.0        | 1.6       | 38.6        | 0.7       | 45.4        | -3.4      | 56.7        | -2.5      | 68.4        | -2.0      | 73.9        | 0.7       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| BERNICK                | 24.6        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| BETHLEHEM LEHIGH UNIV  | 24.1        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| BLAIRSVILLE 6 ENE      | 20.6        | -7.6      | 30.6        | 2.0       | 39.0        | 1.1       | 45.9        | -2.6      | 57.6        | -2.9      | 69.3        | -1.3      | 73.8        | 1.1       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| BLOSSERSVILLE 1 N      | 24.3        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| BRADFORD FAA AIRPORT   | 16.8        | -7.9      | 28.9        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| BRADFORD 4 W RES       | 18.7        | -8.1      | 29.1        | 1.3       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| BROOKVILLE FAA AIRPORT | 20.8        | -7.8      | 30.3        | 1.9       | 39.8        | 0.9       | 42.3        | -3.9      | 52.6        | -3.0      | 64.5        | -2.0      | 69.2        | 0.0       | 78.0        | 1.0       | 68.5        | 5.5       | 52.1        | 40.5      | 29.8        | 28.6      | 24.5        | 46.8      | 0.0         |           |
| BURGESSBURG 2 W        | 26.5M       | -7.5      | 35.3M       | 1.8       | 42.0        | 0.9       | 45.5M       | -4.2      | 56.9M       | -3.5      | 67.4        | -2.5      | 71.7M       | 0.0       | 81.4M       | 1.9       | 71.4M       | 6.8       | 54.7        | 45.6M     | 31.8M       | 27.1      | 31.8M       | 21.1      | 51.6        | -2.6      |
| BURN CABINS 2 NE       | 21.3M       | -8.0      | 30.8M       | 1.6       | 39.0M       | 0.7       | 46.0M       | -3.4      | 57.0M       | -2.7      | 68.4        | -2.0      | 73.9        | 0.7       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| BUTLER                 | 17.4        | -8.0      | 28.5        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| CANTON 1 NW            | 23.7        | -7.8      | 31.7        | 2.0       | 40.2        | 1.1       | 47.2        | -4.1      | 59.3        | -1.4      | 71.1        | 1.5       | 75.4        | 0.6       | 84.1        | 2.0       | 72.2        | 5.7       | 57.9        | 2.4       | 46.4        | 3.0       | 32.2        | -0.8      | 52.8        | -0.6      |
| CARLISLE               | 23.7        | -7.8      | 31.7        | 2.0       | 40.2        | 1.1       | 47.2        | -4.1      | 59.3        | -1.4      | 71.1        | 1.5       | 75.4        | 0.6       | 84.1        | 2.0       | 72.2        | 5.7       | 57.9        | 2.4       | 46.4        | 3.0       | 32.2        | -0.8      | 52.8        | -0.6      |
| CHAMBERSBURG 1 ESE     | 17.8        | -7.9      | 29.4        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| CLARION 3 SW           | 22.7        | -8.1      | 33.8        | 2.2       | 42.3        | 2.8       | 44.2M       | -5.6      | 55.1        | -5.2      | 65.8        | -3.3      | 70.6        | 0.0       | 87.6        | 3.1       | 54.1        | 6.4       | 43.4        | 1.9       | 33.6M       | 1.4       | 50.3        | -1.1      | 46.2        | -0.3      |
| CLAYSVILLE 3 W         | 18.4        | -8.0      | 29.0        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| CLERMONT 4 NW          | 24.3        | -7.4      | 33.2        | 1.7       | 41.0        | 1.3       | 47.5        | -2.9      | 58.1        | -3.4      | 69.7        | -0.8      | 74.7        | 0.0       | 83.0        | 2.2       | 71.4        | 6.1       | 55.4        | 45.8      | 2.6         | 31.9      | -1.1        | 52.2      | -0.3        |           |
| COATESVILLE 1 SW       | 21.7        | -7.8      | 30.6        | 2.0       | 39.0        | 1.1       | 45.9        | -2.6      | 57.6        | -2.9      | 69.3        | -1.3      | 73.8        | 1.1       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| CONFLUENCE 1 SW DAM    | 19.8        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| CONNEAUTVILLE          | 16.0        | -7.9      | 28.5        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| CORRY                  | 24.5        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| COUDERSPORT 3 NW       | 15.9        | -7.9      | 28.5        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| DEVALT 1 W             | 18.6        | -7.9      | 28.5        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| DIXON                  | 24.4        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| DONEGAL                | 24.8        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| DONORA                 | 19.0        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| DU BOIS 7 E            | 16.6        | -7.9      | 28.5        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| EAGLES MERE            | 22.4        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| EAST BRADY             | 19.7        | -7.9      | 29.4        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| EBENSBURG              | 17.0        | -8.0      | 29.0        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| EMPORIUM 1 N           | 18.3M       | -8.0      | 29.0        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| ENGLISH CENTER         | 22.0        | -7.5      | 33.3        | 2.0       | 40.8        | 0.6       | 47.9        | -4.0      | 58.5        | -4.7      | 69.6        | -2.2      | 74.0        | 0.0       | 84.1        | 2.0       | 70.7        | 3.9       | 56.5        | 6.6       | 44.1        | 1.7       | 32.1        | -1.9      | 52.3        | -1.5      |
| EPHRATA                | 25.8        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| ERIC WB AIRPORT        | 17.8        | -8.0      | 29.0        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| EVERETT 1 SW           | 23.5        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| FARRELL SHARON         | 20.5        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| FORD CITY 4 5 DAM      | 21.3M       | -7.6      | 30.6        | 2.0       | 39.0        | 1.1       | 45.9        | -2.6      | 57.6        | -2.9      | 69.3        | -1.3      | 73.8        | 1.1       | 83.0        | 2.2       | 70.8        | 6.1       | 55.5        | 2.3       | 44.4        | 2.4       | 29.8        | -1.3      | 50.8        | -1.1      |
| FRANKLIN               | 18.1        | -7.6      | 28.7        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| FREELAND               | 22.3        | -7.9      | 31.7        | 2.0       | 40.2        | 1.1       | 47.2        | -4.1      | 59.3        | -1.4      | 71.1        | 1.5       | 75.4        | 0.6       | 84.1        | 2.0       | 72.2        | 5.7       | 57.9        | 2.4       | 46.4        | 3.0       | 32.2        | -0.8      | 52.8        | -0.6      |
| GEORGE SCHOOL          | 25.0        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| GETTYSBURG             | 21.7        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| GRATERFORD 1 E         | 19.7        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| GRATZ 1 N              | 22.7        | -7.9      | 29.6        | 1.1       | 37.1        | 0.4       | 43.9        | -4.2      | 52.0        | -3.4      | 63.5        | -2.4      | 68.4        | 0.0       | 77.0        | 1.0       | 65.5        | 4.6       | 50.5        | 37.1      | 31.3        | 27.2      | 21.1        | 51.6      | 0.2         |           |
| GREENVILLE             | 25.1        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75.8        | 1.1       | 84.1        | 2.0       | 72.7        | 5.9       | 57.3        | 0.8       | 45.8        | 1.4       | 31.9        | -1.6      | 53.5        | -0.2      |
| HANOVER                | 25.1        | -7.0      | 34.4        | 2.3       | 41.5        | 1.2       | 48.1        | -3.0      | 60.9        | -1.5      | 73.1        | 2.0       | 75          |           |             |           |             |           |             |           |             |           |             |           |             |           |



Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1961

| STATION                 | January     |           | February    |           | March       |           | April       |           | May         |           | June        |           | July        |           | August      |           | September   |           | October     |           | November    |           | December    |           | Annual      |           |  |
|-------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--|
|                         | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure | Temperature | Departure |  |
| STOYSTOWN               |             |           |             |           |             |           | 45.9M       |           | 51.2        |           | 63.3        |           | 68.3        |           | 67.8        |           | 65.3        |           | 52.1        |           | 40.2        |           | 29.8        |           |             |           |  |
| STROUDSBURG             | 18.0        | -10.5     | 28.1        | - .9      | 35.8        | - 1.5     | 43.5        | - 5.3     | 55.5        | - 4.3     | 66.7        | - 1.7     | 70.5        | - 2.8     | 69.9        | - 1.0     | 68.5        | 5.2       | 52.8        | - .2      | 41.0        | - .7      | 27.5        | - 3.6     | 48.1        | - 2.3     |  |
| SUNBURY                 | 21.3        |           | 29.9        |           | 38.6        |           | 46.2        |           | 57.4        |           | 68.5        |           | 72.8        |           | 71.3        |           | 69.6        |           | 53.9        |           | 43.4        |           | 30.0        |           | 50.2        |           |  |
| TAMARACK 2 S FIRE TOWER |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |  |
| TIONESTA 2 SE DAM       | 18.2        |           | 26.4        |           | 36.5M       |           | 40.4        |           | 51.4        |           | 63.6        |           | 69.2        |           | 68.9        |           | 66.3        |           | 52.6        |           | 39.0        |           | 27.1        |           | 46.6        |           |  |
| TITUSVILLE WATER WORKS  | 16.2        |           | 26.2        |           | 34.7        |           | 39.4        |           | 50.5        |           | 61.5        |           | 66.1        |           | 66.1        |           | 63.9        |           | 50.2        |           | 36.9        |           | 25.7        |           | 44.8        |           |  |
| TOBYHANNA               |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |  |
| TOWANOA 1 ESE           | 27.9        | .3        | 36.3        | .3        | 43.5        | - 3.8     | 48.8        |           | 55.2        | - 3.3     | 66.6        | - .5      | 70.1        | - 1.4     | 69.1        | - .4      | 67.9        | 5.4       | 53.6        | - 1.6     | 40.8        | .3        | 29.6        | - .2      | 47.2        |           |  |
| TOWER CITY 1 S          |             |           |             |           |             |           | 43.8        |           | 52.2        |           | 62.2        |           | 68.2        |           | 68.2        |           | 66.1M       |           | 50.2        |           | 37.8        |           | 29.6        |           | 45.2        |           |  |
| UNIONTOWN               | 26.4        | - 8.4     | 36.4        | 1.6       | 44.7        | 2.6       | 46.5        | - 6.1     | 57.4        | - 7.9     | 66.9        | - 1.3     | 72.6        | - 1.6     | 72.8        | .3        | 69.4        | 2.7       | 55.1        | - 1.0     | 45.2        | .9        | 34.8        | - .4      | 52.4        | - 1.5     |  |
| WARREN                  | 21.4        | - 6.7     | 30.4        | 3.2       | 37.4        | 2.5       | 42.3        | - 3.8     | 54.3        | - 3.3     | 65.6        | - 1.3     | 70.2        | - .5      | 70.0        | - 1.0     | 67.7        | 5.1       | 54.2        | - 2.0     | 40.8        | .8        | 29.5        | - .5      | 48.6        | - .2      |  |
| WAYNESBURG 2 W          | 24.2        | - 9.1     | 35.3        | 2.0       | 43.9        | 3.0       | 45.2        | - 5.8     | 55.9        | - 5.2     | 65.2        | - 4.5     | 70.6        | - 2.4     | 70.9        | - .5      | 67.4        | 2.4       | 54.0        | - .3      | 43.7        | 1.1       | 33.3        | - .2      | 50.8        | - 1.6     |  |
| WELLSBORO 3 S           | 17.8        |           | 26.4        |           | 32.6        |           | 39.2        |           | 51.1        |           | 62.8        |           | 67.5        |           | 67.5        |           | 64.8        |           | 50.5        |           | 37.8        |           | 25.6        |           | 45.2        |           |  |
| WEST CHESTER            | 25.2        | - 8.1     | 33.4        | .1        | 41.2        | - .2      | 48.0        | - 3.6     | 57.7        | - 4.8     | 69.6M       | - 1.4     | 74.8M       | - .7      | 73.4        | - .1      | 72.4        | 5.5       | 56.9        | - .4      | 46.5        | 1.4       | 32.9        | - 1.9     | 52.6        | - 1.2     |  |
| WILLIAMSPORT WB AP      | 20.6        | - 7.9     | 30.0        | .9        | 38.2        | - .1      | 45.4        | - 3.7     | 56.7        | - 3.5     | 68.3        | - .9      | 72.6        | - .7      | 71.2        | - .3      | 70.0        | 5.4       | 54.9        | 1.9       | 42.6        | .9        | 30.3        | - .6      | 50.0        | - .7      |  |
| YORK 3 SSW PUMP STA     | 23.4        | - 9.7     | 33.4        | - .2      | 43.4        | 1.3       | 47.9        | - 4.4     | 59.4        | - 4.1     | 71.1        | - .5      | 75.4        | - .4      | 74.2        | .3        | 72.0        | 4.9       | 57.6        | 1.8       | 46.6        | 2.3       | 31.9        | - 2.1     | 53.0        | - .9      |  |
| DIVISIONAL AVERAGES     |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |             |           |  |
| POCONO MOUNTAINS        | 17.9        | - 8.5     | 27.3        | 1.0       | 36.1        | - .5      | 41.9        | - 4.2     | 54.2        | - 3.4     | 66.5        | - .9      | 70.0        | - .3      | 68.9        | - .1      | 67.6        | 6.8       | 53.1        | 2.1       | 40.1        | .8        | 27.6        | - .9      | 47.4        | - .5      |  |
| EAST CENTRAL MOUNTAINS  | 21.5        | - 7.8     | 31.2        | 1.8       | 39.1        | 1.5       | 45.9        | - 2.7     | 57.3        | - 2.7     | 68.3        | - .2      | 73.3        | - .2      | 71.2        | - .4      | 70.3        | 6.6       | 54.9        | 1.6       | 44.3        | 2.7       | 30.5        | - .7      | 50.7        | .1        |  |
| SOUTHEASTERN PIEDMONT   | 24.2        | - 8.5     | 33.3        | .5        | 41.5        | - .5      | 47.9        | - 3.6     | 58.5        | - 4.2     | 70.0        | - 1.2     | 75.0        | - .9      | 73.3        | - .4      | 71.8        | 5.0       | 56.6        | .3        | 46.2        | 1.6       | 32.1        | - 2.2     | 52.5        | - 1.1     |  |
| LOWER SUSQUEHANNA       | 24.3        | - 7.8     | 32.8        | .1        | 41.7        | - .8      | 47.3        | - 4.2     | 58.3        | - 4.4     | 69.6        | - 1.6     | 74.6        | - .9      | 73.4        | - .0      | 71.4        | 5.1       | 56.7        | 1.2       | 45.8        | 2.2       | 31.5        | - 1.9     | 52.3        | - .9      |  |
| MIDDLE SUSQUEHANNA      | 20.8        | - 8.9     | 29.6        | - .5      | 38.2        | - .3      | 44.8        | - 4.9     | 56.2        | - 4.8     | 67.4        | - 1.9     | 72.1        | - 1.6     | 70.8        | - .8      | 69.2        | 4.7       | 54.0        | .3        | 42.7        | 1.0       | 29.9        | - 1.3     | 49.6        | - 1.6     |  |
| UPPER SUSQUEHANNA       | 17.1        | - 8.5     | 26.3        | 1.0       | 33.8        | - .2      | 41.0        | - 4.2     | 52.9        | - 3.9     | 64.4        | - 1.1     | 68.4        | - 1.6     | 67.1        | - 1.0     | 65.9        | 5.1       | 51.8        | 1.3       | 39.1        | .6        | 27.1        | - .5      | 46.2        | - 1.1     |  |
| CENTRAL MOUNTAINS       | 19.5        | - 7.9     | 28.4        | 1.2       | 36.8        | 1.6       | 41.8        | - 4.9     | 53.3        | - 4.8     | 64.5        | - 1.9     | 69.4        | - .9      | 68.7        | - .2      | 66.4        | 5.0       | 52.2        | 1.1       | 40.3        | 1.2       | 27.9        | - .9      | 47.4        | - 1.0     |  |
| SOUTH CENTRAL MOUNTAIN  | 23.2        | - 6.8     | 31.5        | 1.3       | 39.4        | 1.4       | 43.6        | - 5.2     | 54.9        | - 5.0     | 66.1        | - 2.2     | 71.1        | - .9      | 70.8        | - .6      | 68.0        | 4.8       | 53.4        | .4        | 42.3        | 1.4       | 30.2        | - .8      | 49.5        | - .9      |  |
| SOUTHWEST PLATEAU       | 22.7        | - 8.7     | 32.8        | 1.6       | 41.2        | 2.3       | 43.7        | - 5.9     | 54.4        | - 5.7     | 65.4        | - 3.5     | 70.6        | - 1.8     | 70.7        | - .0      | 68.1        | 3.8       | 54.5        | - .8      | 42.6        | .9        | 31.3        | - 1.0     | 49.8        | - 1.5     |  |
| NORTHWEST PLATEAU       | 19.6        | - 8.0     | 29.1        | 2.3       | 37.1        | 2.2       | 41.1        | - 5.1     | 52.6        | - 4.9     | 63.5        | - 3.3     | 68.8        | - 1.9     | 68.4        | - .4      | 66.2        | 4.0       | 52.8        | 1.2       | 39.7        | .3        | 28.0        | - 1.3     | 47.2        | - 1.3     |  |

See Reference Notes Following Station Index

A narrative Special Weather Summary appeared in the January, February and May issues of this publication for 1961.

# TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1961

TABLE 2

| Station                | January       |           | February      |           | March         |           | April         |           | May           |           | June          |           | July          |           | August        |           | September     |           | October       |           | November      |           | December      |           | Annual        |           |
|------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|                        | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure |
| ACMETONIA LOCK 3       | 2.00          | -1.28     | 3.44          | .89       | 4.32          | .47       | 5.73          | 2.00      | 2.62          | -1.38     | 4.19          | -.15      | 5.75          | 1.70      | 2.91          | -1.00     | 2.58          | -.22      | 2.92          | .06       | 3.36          | .58       | 1.80          | -.97      | 41.62         | -.70      |
| ALLENTOWN W8 AP        | 3.32          | .11       | 3.17          | .53       | 4.67          | 1.28      | 4.36          | .97       | 2.36          | -1.61     | 2.09          | -1.96     | 7.00          | 2.22      | 2.70          | -1.79     | 1.53          | -1.94     | 1.80          | -2.17     | 3.63          | .56       | 3.84          | .82       | 39.27         | -2.98     |
| ALLENTOWN GAS CO       | 3.00          | -.31      | 2.89          | .36       | 4.03          | .23       | 4.32          | .80       | 2.66          | -1.66     | 2.63          | -1.37     | 6.94          | 2.21      | 4.50          | -.40      | 1.71          | -1.86     | 1.04          | -2.06     | 3.46          | -.02      | 3.80          | .60       | 40.96         | -3.48     |
| ALTOONA HORSEHOE CURV  | 2.12          | -1.15     | 4.15          | 1.84      | 4.67          | .19       | 6.63          | 2.46      | 3.33          | -1.00     | 3.71          | -.99      | 3.15          | -1.22     | 5.35          | 1.52      | 3.48          | .42       | 1.91          | -1.31     | 3.28          | -.20      | 2.95          | 1.10      | 44.74         | .86       |
| ARENETSVILLE           | 2.89          | -.11      | 3.45          | 1.14      | 3.96          | -.10      | 7.31          | 3.57      | 2.70          | -1.72     | 3.44          | -.43      | 3.10          | -.82      | 2.74          | -1.65     | 2.29          | -1.24     | 1.30          | -2.29     | 4.00          | .66       | 3.22          | .08       | 40.46         | -2.91     |
| AUSTINBURG 2 W         | 1.53          | 4.00      | 2.03          |           |               |           | 5.06          |           | 3.37          |           | 4.31          |           | 4.90          |           | 2.88          |           | .72           |           | 1.78          |           | 1.77          |           | 1.04          |           | 34.39         |           |
| BAKERTOWN 3 WW         | 2.01          |           | 2.67          |           | 2.38          |           | 5.79          |           | 3.67          |           | 3.65          |           | 6.77          |           | 1.53          |           | 3.05          |           | 2.99          |           | 4.37          |           | 1.97          |           | 40.85         |           |
| BARNES                 | 1.52          |           | 4.81          |           | 3.13          |           | 6.33          |           | 4.06          |           | 6.05          |           | 6.66          |           | 3.69          |           | 2.01          |           | 3.78          |           | 5.34          |           | 1.94          |           | 49.32         |           |
| BEAR CREEK OAM         | 2.02          |           | 2.89          |           | 3.78          |           | 2.86          |           | 3.51          |           | 4.27          |           | 5.01          |           | 5.92          |           | 1.67          |           | 1.37          |           | 4.49          |           | 2.52          |           | 40.11         |           |
| BEAR GAP               | 2.67          | -.16      | E2.92         | .54       | 3.19          | -.67      | 5.24          | 1.83      | 3.37          | -1.21     | 5.21          | 1.24      | 3.80          | -.80      | 5.00          | .85       | .70           | -2.62     | 1.67          | -1.02     | E3.73         | -.08      | 3.33          | .12       | E40.83        | -2.78     |
| BEAVER FALLS           | 1.76          | -1.03     | 2.98          | .92       | 2.72          | -.55      | 4.23          | 1.12      | 2.59          | -.99      | 2.85          | -.77      | 3.32          | .02       | 2.38          | -.94      | 1.74          | -.95      | 2.56          | .09       | 3.37          | 1.06      | 1.92          | -.30      | 32.42         | -2.32     |
| BEAVERTOWN             | E2.38         |           | E2.71         |           | 3.66          |           | 5.85          |           | 3.69          |           | 4.00          |           | 5.16          |           | 4.12          |           | 1.16          |           | 1.35          |           | 3.41          |           | 2.58          |           | E40.07        |           |
| BECHTELSVILLE          | 3.13          |           | 3.66          |           | 3.81          |           | 5.55          |           | 2.56          |           | 2.05          |           | 7.32          |           | 2.29          |           | 1.18          |           | 1.36          |           | 3.41          |           | 3.70          |           | 40.02         |           |
| BELLEFONTA 4 S         | E1.27         |           | E3.97         |           | E2.91         |           | E4.25         |           | 1.90          |           | 3.42          |           | 3.69          |           | 3.69          |           | 1.74          |           | 1.63          |           | 2.99          |           | 1.59          |           | E34.19        |           |
| BERNE                  | 2.52          |           | 2.44          |           | 3.52          |           | 4.12          |           | 2.85          |           | 2.48          |           | 9.36          |           | 4.21          |           | .78           |           | .69           |           | 4.27          |           | 2.92          |           | 40.16         |           |
| BERWICK                | 2.12          |           | 2.10          |           | 3.59          |           | 2.90          |           | 3.00          |           | 3.04          |           | 4.42          |           | 4.68          |           | 1.22          |           | 1.37          |           | 3.91          |           | 2.74          |           | 35.09         |           |
| BETHLEHEM              | 2.77          |           | 2.80          |           | 3.99          |           | 2.96          |           | 2.79          |           | 2.06          |           | 7.03          |           | 3.10          |           | 2.01          |           | 1.15          |           | 2.81          |           | 3.41          |           | 37.43         |           |
| BETHLEHEM LEHIGH UNIV  | 2.00          | -1.17     | E3.00         | .54       | 4.43          | .74       | 4.44          | 1.01      | 2.97          | -1.00     | 2.00          | -1.79     | 9.36          | 4.68      | 5.51          | 1.01      | 1.93          | -1.57     | 1.15          | -1.85     | 2.67          | -.77      | E3.79         | .58       | E43.25        | -.41      |
| BLAIRSVILLE 6 EME      | 3.79          |           | 4.90          |           | 5.64          |           | 6.44          |           | 4.32          |           | 4.70          |           | 8.03          |           | 1.59          |           | 2.93          |           | 3.51          |           | 4.84          |           | 3.72          |           | 54.41         |           |
| BLOESVILLE 1 W         | 2.69          | -.25      | 2.88          | .65       | 3.88          | .04       | 4.77          | .93       | 1.97          | -2.66     | 5.70          | 1.60      | 5.40          | 1.10      | 4.56          | -.30      | 3.73          | .19       | 1.01          | -2.64     | 2.88          | -.82      | 2.84          | -.16      | 42.31         | -2.32     |
| BOSWELL 1 W            | 2.80          |           | 5.39          |           | 4.75          |           | 6.18          |           | 3.68          |           | 5.40          |           | 5.17          |           | 2.47          |           | 2.54          |           | 2.24          |           | 3.76          |           | 4.02          |           | 48.40         |           |
| BRADDOCK LOCK 2        | 2.13          |           | 3.71          |           | 3.82          |           | 5.98          |           | E2.69         |           | 5.13          |           | 3.76          |           | 3.52          |           | 1.21          |           | 2.73          |           | 3.16          |           | 1.82          |           | E39.66        |           |
| BRADFORD FAA AIRPORT   | 2.22          |           | 3.71          |           | 3.08          |           | 5.92          |           | 3.62          |           | 5.96          |           | 4.96          |           | 2.65          |           | 2.28          |           | 2.76          |           | 3.55          |           | 1.79          |           | 44.52         |           |
| BRADFORD CNTRL FIRE ST | 1.19          |           | 4.37          |           | 2.62          |           | 7.99          |           | 3.37          |           | 4.68          |           | 2.43          |           | 2.50          |           | 2.62          |           | 3.60          |           | 3.64          |           | 1.61          |           | 44.80         |           |
| BRADFORD 4 W RES       | -             |           | -             |           | -             |           | -             |           | 3.66          |           | 4.29          |           | 4.89          |           | 1.89          |           | 4.71          |           | 3.15          |           | 4.11          |           | 1.82          |           | -             |           |
| BREEZEWOOD             | 2.04          |           | 4.22          |           | 5.00          |           | 5.53          |           | 2.43          |           | 4.36          |           | 2.89          |           | 4.26          |           | 3.21          |           | 1.21          |           | 2.71          |           | 2.62          |           | 40.48         |           |
| BROOKVILLE FAA AIRPORT | 1.60          |           | 4.17          |           | 4.29          |           | 4.90          |           | 2.96          |           | 4.29          |           | 3.67          |           | 3.65          |           | 1.24          |           | 3.28          |           | 4.06          |           | 2.34          |           | 40.45         |           |
| BRUCETON 1 S           | 2.73          |           | 3.13          |           | 3.17          |           | E6.06         |           | 2.80          |           | 3.15          |           | 2.04          |           | 1.50          |           | 2.04          |           | 1.80          |           | 3.24          |           | 1.98          |           | E39.19        |           |
| BUFFALO HILLS          | 2.76          | .04       | 4.11          | 2.26      | 4.51          | .86       | 6.47          | 3.27      | 1.68          | -2.08     | 3.85          | .12       | 2.16          | -1.49     | 2.42          | -1.36     | 2.39          | -.40      | 1.53          | -1.38     | 2.54          | -.06      | 2.65          | .33       | 37.07         | .11       |
| BURGETTSVILLE 2 W      | 1.96          |           | 3.40          |           | 3.85          |           | 6.53          |           | 2.82          |           | 5.52          |           | 5.05          |           | 2.69          |           | 1.49          |           | 2.35          |           | 3.31          |           | 1.85          |           | 40.82         |           |
| BURNT CABINS 2 NE      | E3.30         |           | E2.91         |           | E5.05         |           | 7.17          |           | 2.41          |           | 4.73          |           | 3.67          |           | 4.16          |           | 2.10          |           | E1.93         |           | E2.88         |           | E2.13         |           | E42.44        |           |
| BUTLER                 | 1.19          | -1.82     | 2.24          | -.21      | 4.02          | .43       | 5.67          | 2.03      | 3.52          | -.41      | 3.24          | -.68      | 3.18          | -.60      | 2.77          | -.63      | 1.87          | -1.21     | 2.46          | -.59      | 3.82          | .97       | 2.10          | -.67      | 36.08         | -3.39     |
| CAMP HILL              | 3.86          |           | 3.68          |           | 4.51          |           | 4.48          |           | 2.20          |           | 2.25          |           | 5.50          |           | 3.93          |           | 1.03          |           | .99           |           | 4.04          |           | 3.74          |           | 40.21         |           |
| CAMP KLINE             | 1.50          |           | 2.82          |           | 3.45          |           | 4.74          |           | 2.68          |           | 4.59          |           | 4.90          |           | 2.15          |           | 1.20          |           | 1.80          |           | 2.62          |           | 1.52          |           | 33.97         |           |
| CANTON 1 NW            | 1.19          |           | 2.12          |           | 2.03          |           | 5.19          |           | 3.26          |           | 4.00          |           | 3.05          |           | 4.61          |           | 1.19          |           | 1.90          |           | 2.51          |           | 1.65          |           | 32.70         |           |
| CARLISLE               | 3.42          | .29       | 2.77          | .38       | 4.50          | .66       | 6.07          | 2.33      | 2.20          | -2.03     | 3.59          | -.32      | 5.78          | 1.69      | 3.57          | -.55      | 2.88          | -.24      | 1.18          | -2.25     | 3.15          | -.23      | 3.25          | .17       | 42.36         | -.10      |
| CARROLLTOWN 2 SSE      | 1.51          |           | 3.71          |           | 4.76          |           | 5.37          |           | 3.26          |           | 4.95          |           | 3.69          |           | 2.66          |           | 1.89          |           | 2.65          |           | 3.93          |           | 2.59          |           | 40.67         |           |
| CARTER CAMP 2 W        | E1.12         |           | 4.04          |           | 2.82          |           | E5.01         |           | 3.28          |           | 2.63          |           | 6.79          |           | 5.94          |           | 5.21          |           | 3.29          |           | 3.24          |           | 1.29          |           | E39.94        |           |
| CEGAR RUN              | 1.13          |           | E3.26         |           | 2.92          |           | 5.07          |           | 3.73          |           | 5.32          |           | 3.91          |           | 5.21          |           | 1.37          |           | 2.29          |           | 3.24          |           | 2.59          |           | E40.04        |           |
| CHADDS FORD            | 4.17          |           | 3.00          |           | 4.58          |           | 6.26          |           | E2.92         |           | 3.85          |           | 4.75          |           | 3.63          |           | 3.54          |           | 1.37          |           | 2.21          |           | E3.10         |           | E43.18        |           |
| CHAMBERSBURG 1 ESE     | 2.69          | -.40      | 3.62          | 1.43      | 5.14          | 1.24      | 4.44          | .99       | 2.79          | -1.36     | 4.38          | .63       | 3.35          | -.55      | 1.69          | -2.38     | 2.11          | -1.25     | 1.00          | -2.26     | 2.83          | -.43      | 3.06          | .09       | 37.10         | -6.23     |
| CHARLETON LOCK 4       | 2.52          | -.52      | 3.32          | 1.58      | 4.27          | .48       | 4.82          | 2.31      | 2.59          | -1.04     | 3.40          | -.24      | 5.01          | 1.16      | 2.99          | -.79      | 4.44          | 1.56      | 3.38          | .86       | 3.30          | .63       | 2.31          | -.30      | 44.75         | 5.69      |
| CLARENS 1 E            | 1.76          |           | 3.08          |           | 3.63          |           | 4.82          |           | 2.59          |           | 3.68          |           | 3.21          |           | 3.11          |           | 1.61          |           | 1.85          |           | 2.97          |           | 1.88          |           | 34.11         |           |
| CLARION 3 SW           | 1.36          |           | 3.50          |           | 3.85          |           | 5.53          |           | 3.71          |           | 4.28          |           | 4.93          |           | 3.71          |           | E1.94         |           | 2.56          |           | 4.39          |           | 1.98          |           | E41.74        |           |
| CLAUSSVILLE            | 2.72          |           | 2.96          |           | 4.30          |           | 3.91          |           | 3.53          |           | 3.56          |           | 6.10          |           | 4.61          |           | 1.35          |           | .94           |           | 4.12          |           | 3.66          |           | 41.76         |           |
| CLAYSVILLE 3 W         | 2.12          | -.99      | 2.96          | .51       | 4.25          | .39       | 6.83          | 3.32      | 2.86          | -1.12     | 4.62          | .24       | 3.92          | -.26      | 1.91          | -1.89     | 1.54          | -1.69     | 3.38          | .81       | 3.24          | .55       | 2.20          | -.62      | 39.83         | -.75      |
| CLEARFIELD             | 1.60          | -1.71     | 2.68          | .17       | 1.70          | -2.50     | 5.34          | 1.49      | 4.11          | -.23      | 5.27          | 1.27      | 4.11          | .06       | 2.92          | -.76      | 2.41          | -.54      | 1.92          | -1.13     | 3.67          | .36       | 2.62          | -.47      | 38.35         | -3.99     |
| CLERMONT 4 NW          | 1.73          |           | 2.30          |           | 2.85          |           | 3.94          |           | 2.60          |           | 4.86          |           | 3.68          |           | 2.57          |           | 3.00          |           | 2.32          |           | 3.61          |           | 2.31          |           | 36.07         |           |
| COATESVILLE 1 SW       | 2.93          | -.51      | 3.77          | .70       | 4.54          | .35       | 5.88          | 2.46      | 2.03          | -2.32     | 3.81          | -.68      | 7.54          | 1.48      | 3.73          | -.82      | 1.12          | -2.03     | 2.32          | -1.33     | 3.61          | -.70      | 3.18          |           | 37.46         | -7.81     |
| CONFLUENCE 1 SW OAM    | 1.87          |           | 3.99          |           | 6.16          |           | 4.83          |           | 3.49          |           | 5.74          |           | 4.45          |           | 3.73          |           | .89           |           | 2.34          |           | 3.16          |           | 3.40          |           | 47.14         |           |
| CONFLUENCE 1 NW        | -0.80         | -1.60     | 4.36          | 1.70      | 5.70          | 1.40      | 5.75          | 2.06      | 3.51          | -.81      | 5.64          | .73       | 6.49          | 1.93      | 3.08          | -1.37     | 1.06          | -1.96     | 2.71          | -.18      | 3.62          | .80       | 3.54          |           |               |           |

# TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1961

TABLE 2 CONTINUED

| Station                | January       |           | February      |           | March         |           | April         |           | May           |           | June          |           | July          |           | August        |           | September     |           | October       |           | November      |           | December      |           | Annual        |           |
|------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|                        | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure |
| MONEY BROOK 1 W        | 2.91          | -         | 2.71          | -         | 3.39          | -         | 5.35          | -         | 2.35          | -         | 3.32          | -         | 8.58          | -         | 2.11          | -         | .87           | -         | 1.81          | -         | 2.62          | -         | 3.01          | -         | 39.03         | -         |
| HOOVERSVILLE           | 1.96          | -         | 3.29          | -         | E3.52         | -         | 6.37          | -         | 5.33          | -         | 3.17          | -         | 5.48          | -         | 4.02          | -         | .62           | -         | 1.91          | -         | 4.55          | -         | 2.36          | -         | E42.58        | -         |
| HOP BOTTOM 2 SE        | E2.42         | - .33     | E3.54         | 1.60      | E4.45         | .59       | 4.75          | 1.25      | 3.15          | -.88      | E2.78         | -.93      | 4.20          | .22       | 3.97          | -.08      | 2.92          | -.13      | 1.06          | -1.75     | 3.03          | -.05      | 2.85          | .08       | E39.12        | -.41      |
| HUNTINGDON             | 2.76          | -         | 2.89          | -         | 4.13          | -         | 6.72          | -         | 2.18          | -         | 4.05          | -         | 3.85          | -         | 1.54          | -         | 1.88          | -         | 1.41          | -         | 2.51          | -         | 3.06          | -         | 36.98         | -         |
| MUNTSOALE              |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |
| HYNDMAN                | 2.04          | - .53     | 3.87          | 2.13      | 4.89          | 1.30      | 6.37          | 3.37      | 2.02          | -1.44     | 3.20          | -.32      | 2.91          | - .40     | 1.84          | -2.08     | -4.66         | -2.12     | 1.37          | -1.25     | 2.75          | .26       | 2.46          | .10       | 34.18         | -.98      |
| INDIANA 3 SE           | 1.87          | -         | 4.08          | -         | 4.19          | -         | 5.60          | -         | 2.68          | -         | 5.66          | -         | 6.84          | -         | 1.87          | -         | 1.33          | -         | 3.05          | -         | 4.18          | -         | 2.06          | -         | 43.41         | -         |
| JAMESTOWN 2 NW         | .79           | -1.98     | 3.29          | 1.14      | 3.36          | .27       | 7.61          | 4.06      | 2.58          | -1.39     | 4.57          | 1.11      | 1.89          | -1.85     | 2.50          | -1.01     | 2.75          | -.63      | 2.94          | -.01      | 3.23          | .44       | 1.73          | -.54      | 37.24         | -.39      |
| JERSEY SHORE           | 2.15          | -         | 4.07          | -         | 3.26          | -         | 5.78          | -         | 3.20          | -         | 2.98          | -         | 8.02          | -         | 4.56          | -         | 1.56          | -         | 1.57          | -         | 3.17          | -         | E2.01         | -         | E42.33        | -         |
| JOHNSTOWN              | 5.56          | 1.82      | 4.95          | 2.01      | 5.30          | .74       | 5.97          | 1.80      | 2.77          | -1.73     | 6.95          | .39       | 5.01          | .37       | 4.18          | -.10      | 1.23          | -1.77     | 1.92          | -1.00     | E3.65         | .80       | E3.65         | .24       | E49.16        | 3.57      |
| KANE 1 NNE             | 1.77          | -         | 4.75          | -         | 3.55          | -         | 6.01          | -         | 3.08          | -         | 4.47          | -         | 7.47          | -         | 5.58          | -         | 4.28          | -         | 3.00          | -         | 4.20          | -         | 2.06          | -         | 50.22         | -         |
| KARTHAUS               | 1.44          | -         | 3.41          | -         | 3.82          | -         | 4.21          | -         | 2.99          | -         | 3.82          | -         | 4.16          | -         | 3.82          | -         | 3.37          | -         | 2.01          | -         | 3.26          | -         | 1.79          | -         | 37.29         | -         |
| KEGG                   | E2.56         | -         | 4.29          | -         | 4.68          | -         | 4.65          | -         | 1.99          | -         | 2.81          | -         | 1.91          | -         | 2.69          | -         | 2.04          | -         | 1.28          | -         | 2.68          | -         | E2.56         | -         | E34.12        | -         |
| KITTANNING LOCK 7      | 1.59          | -         | 3.53          | -         | 3.66          | -         | 5.47          | -         | 3.55          | -         | 3.75          | -         | 6.73          | -         | 1.95          | -         | 5.32          | -         | 2.47          | -         | 3.86          | -         | 2.07          | -         | 43.95         | -         |
| KRESGEVILLE 3 W        | 2.07          | -         | 2.52          | -         | 3.79          | -         | 3.82          | -         | 3.79          | -         | 4.74          | -         | 6.05          | -         | 4.14          | -         | 1.19          | -         | .93           | -         | 5.85          | -         | 2.64          | -         | 41.53         | -         |
| LAKE MINISINK          | 3.07          | -         | 3.84          | -         | 4.75          | -         | E5.91         | -         | 4.49          | -         | 2.49          | -         | 3.42          | -         | 7.25          | -         | 2.52          | -         | .93           | -         | 5.17          | -         | 3.02          | -         | E46.86        | -         |
| LAKEVILLE 1 NNE        | 2.38          | - .30     | 3.04          | .82       | 4.02          | .37       | 5.35          | 1.68      | 3.38          | -.93      | 2.74          | -1.25     | 4.19          | -.86      | 5.81          | 1.27      | 1.05          | -2.52     | 1.33          | -2.42     | 4.47          | .77       | 3.34          | .28       | 41.50         | -3.09     |
| LANCASTER 2NE PUMP STA | 3.64          | .65       | 3.43          | 1.05      | 4.27          | .41       | 5.19          | 1.61      | 3.14          | -.97      | 3.08          | -.95      | 7.43          | 2.58      | 3.66          | -1.62     | .73           | -2.58     | 1.48          | -1.79     | 3.25          | .04       | 2.85          | -.14      | 42.15         | -1.71     |
| LANOISVILLE 2 NW       | 1.74          | -         | 1.74          | -         | 3.96          | -         | 4.99          | -         | 2.70          | -         | 3.75          | -         | 8.15          | -         | 3.60          | -         | .37           | -         | .89           | -         | 3.80          | -         | 2.96          | -         | 38.84         | -         |
| LAWRENCEVILLE 2 S      | 1.27          | - .46     | 2.97          | 1.42      | 1.75          | -1.06     | 6.39          | 3.79      | 3.41          | -.70      | 4.11          | -.76      | 5.73          | 1.83      | 3.15          | -.84      | 2.39          | -.60      | 2.13          | -.72      | 2.04          | -.43      | .77           | -1.17     | 36.11         | -         |
| LEBANON 3 W            | 2.73          | - .39     | 3.70          | 1.28      | 4.00          | -         | 5.58          | 2.01      | 2.65          | -1.75     | 2.47          | -1.41     | 8.67          | 4.14      | 3.34          | -1.10     | 1.81          | -1.94     | .75           | -2.88     | 3.76          | .37       | 2.80          | -.46      | 42.26         | -1.98     |
| LEIGHTON               | 2.80          | -         | 3.34          | -         | 3.97          | -         | 4.89          | -         | 3.90          | -         | 3.59          | -         | 4.01          | -         | 5.77          | -         | 1.40          | -         | .69           | -         | 5.78          | -         | 2.45          | -         | 42.59         | -         |
| LE ROY                 | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         |
| LEWIS RUN 3 SE         | 1.39          | -         | 5.17          | -         | 2.94          | -         | 7.29          | -         | 3.89          | -         | 5.37          | -         | 2.81          | -         | 4.09          | -         | 2.98          | -         | 2.98          | -         | 2.98          | -         | 2.00          | -         | 45.84         | -         |
| LEWISTOWN              | E1.36         | -         | 2.58          | -         | 3.95          | -         | 5.45          | -         | 3.80          | -         | 2.11          | -         | 3.16          | -         | 4.16          | -         | 1.20          | -         | 1.64          | -         | 3.85          | -         | 2.47          | -         | E35.43        | -         |
| LOCK HAVEN             | 1.65          | - .98     | 2.58          | .50       | 3.41          | -.47      | E3.91         | .53       | 2.43          | -2.05     | E3.98         | .55       | 4.77          | .67       | 2.79          | -1.23     | 1.90          | -1.18     | 1.61          | -1.60     | 3.09          | -.07      | 1.64          | -1.23     | 33.76         | -6.56     |
| LONG POND 2 W          | 3.77          | -         | 3.55          | -         | 3.42          | -         | 3.71          | -         | 4.42          | -         | 5.32          | -         | 5.23          | -         | 6.40          | -         | 1.53          | -         | 1.35          | -         | 4.44          | -         | 3.06          | -         | E33.76        | -         |
| LYNCH                  | 1.50          | -         | 4.81          | -         | 3.83          | -         | 5.84          | -         | 4.30          | -         | 5.98          | -         | 5.12          | -         | 3.91          | -         | 2.69          | -         | 3.52          | -         | 6.30          | -         | 2.58          | -         | 50.38         | -         |
| MAOERA                 | 1.74          | -         | 3.18          | -         | 4.08          | -         | 5.01          | -         | 3.10          | -         | 5.11          | -         | 4.62          | -         | 4.79          | -         | 3.72          | -         | 2.23          | -         | 3.38          | -         | 2.22          | -         | 43.18         | -         |
| MAHAFFEY               | 2.24          | -         | 4.32          | -         | 5.10          | -         | 5.69          | -         | 3.09          | -         | 4.72          | -         | 5.72          | -         | 2.76          | -         | 2.95          | -         | 2.07          | -         | 2.97          | -         | 2.98          | -         | 46.39         | -         |
| MAPLE GLEN             | 3.07          | -         | 2.17          | -         | 4.58          | -         | 5.48          | -         | 3.77          | -         | 4.72          | -         | 9.41          | -         | 5.27          | -         | 2.35          | -         | 1.83          | -         | 2.99          | -         | 3.13          | -         | 48.77         | -         |
| MAPLETON OPORT         | 2.19          | -         | 3.91          | -         | 4.58          | -         | 5.72          | -         | 3.01          | -         | 2.74          | -         | 2.87          | -         | 2.63          | -         | 2.74          | -         | 1.04          | -         | 3.42          | -         | 2.43          | -         | 36.68         | -         |
| MARCUS HOOK            | 2.93          | - .57     | 2.90          | .23       | 5.26          | -         | 5.32          | 1.73      | 2.94          | -.95      | 4.37          | -.22      | 6.51          | 2.85      | 5.16          | -1.14     | 2.75          | -         | 2.12          | -         | 2.71          | -         | 3.14          | -.08      | 45.11         | 2.64      |
| MARION CENTER 2 SE     | 2.24          | -         | 4.39          | -         | 4.20          | -         | 6.90          | -         | 3.59          | -         | 3.58          | -         | 3.99          | -         | 1.67          | -         | 3.14          | -         | 3.14          | -         | 4.56          | -         | 2.00          | -         | 46.78         | -         |
| MARTINSBURG FAA AP     | 1.74          | -         | 3.30          | -         | 4.05          | -         | 3.51          | -         | 1.94          | -         | 3.28          | -         | 2.68          | -         | 2.69          | -         | 1.51          | -         | 1.59          | -         | 2.97          | -         | 2.09          | -         | 31.35         | -         |
| MATAMORAS              | 3.40          | .36       | 4.39          | 1.89      | 4.59          | 1.09      | 5.60          | 1.83      | 5.13          | .98       | 2.43          | -1.51     | 4.12          | -.04      | 3.54          | -.84      | 3.42          | -.42      | 1.24          | -2.24     | 5.40          | 1.58      | 3.17          | -.08      | 46.43         | 2.60      |
| MC CONNELLSBURG        | 2.81          | -         | 4.69          | -         | 4.98          | -         | 7.19          | -         | 1.70          | -         | 4.95          | -         | 4.98          | -         | 2.74          | -         | 2.44          | -         | 1.10          | -         | 2.74          | -         | 2.63          | -         | 42.26         | -         |
| MC KEESPORT            | 1.39          | -1.49     | 2.44          | .35       | 3.31          | -.25      | 5.94          | 2.13      | 2.80          | -.75      | 4.83          | .87       | 3.13          | -.34      | 3.38          | -.30      | 2.68          | -2.06     | 2.57          | .14       | 2.89          | .39       | 1.85          | -.88      | 34.61         | -2.19     |
| MEADVILLE 1 S          | .78           | -2.11     | 3.38          | .95       | 3.57          | .15       | 6.59          | 3.15      | 2.60          | -1.28     | 7.04          | 3.11      | 2.63          | -1.55     | 3.82          | .45       | 2.58          | -.44      | 3.26          | -.03      | 3.59          | .47       | 2.01          | -.70      | 41.85         | 2.15      |
| MEIOX RUN              | 1.51          | -         | 3.77          | -         | 3.48          | -         | 5.52          | -         | 2.74          | -         | 5.06          | -         | 5.33          | -         | 1.68          | -         | 1.39          | -         | 2.44          | -         | 3.35          | -         | 1.72          | -         | 37.99         | -         |
| MERCER 2 NNE           | E1.84         | -         | 3.44          | -         | E5.13         | -         | 5.84          | -         | 3.86          | -         | 7.16          | -         | 4.00          | -         | 2.32          | -         | 1.98          | -         | 3.54          | -         | 4.01          | -         | E1.67         | -         | E44.77        | -         |
| MERCERSBURG            | 3.30          | .61       | 4.41          | 2.23      | 5.45          | 1.72      | 6.41          | 3.12      | 1.98          | -2.27     | 4.03          | .11       | 2.82          | -.75      | 2.63          | -.99      | 2.00          | -1.16     | .96           | -2.45     | 2.64          | -.48      | 2.92          | .03       | 39.55         | -2.28     |
| MEYERSDALE             | 3.49          | -         | 4.40          | -         | 4.48          | -         | 7.11          | -         | 2.28          | -         | 4.18          | -         | 3.08          | -         | 3.17          | -         | 1.35          | -         | 1.47          | -         | 2.36          | -         | E2.90         | -         | E40.27        | -         |
| MIDLAND DAM 7          | 1.48          | -         | 2.96          | -         | 3.52          | -         | 5.93          | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         |
| MILANVILLE             | 1.77          | -         | 2.82          | -         | 4.21          | -         | 4.81          | -         | 3.55          | -         | 4.26          | -         | 3.25          | -         | 4.51          | -         | 1.98          | -         | 1.19          | -         | 4.13          | -         | 3.20          | -         | 39.68         | -         |
| MILLHEIM               | 1.90          | -         | 2.61          | -         | 3.50          | -         | 5.12          | -         | 4.03          | -         | 3.47          | -         | 6.81          | -         | 3.42          | -         | 1.47          | -         | 2.09          | -         | 3.05          | -         | 2.17          | -         | 39.64         | -         |
| MILLVILLE 2 SW         | 2.17          | -         | 2.83          | -         | 3.88          | -         | 4.05          | -         | 3.05          | -         | 2.19          | -         | 4.51          | -         | 4.14          | -         | 1.33          | -         | 1.48          | -         | 3.89          | -         | 3.17          | -         | 36.69         | -         |
| MILROY                 | 2.25          | -         | 2.65          | -         | 3.77          | -         | 4.83          | -         | 4.39          | -         | 2.96          | -         | 4.48          | -         | 3.70          | -         | 2.09          | -         | 1.35          | -         | 3.45          | -         | 2.36          | -         | 38.28         | -         |
| MONTGOMERY LOCK AND OA | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         |
| MONTROSE               | E1.74         | -         | 3.50          | -         | 3.91          | -         | 6.01          | -         | 3.21          | -         | 3.09          | -         | 3.67          | -         | 4.28          | -         | .76           | -         | 1.76          | -         | 3.82          | -         | 2.47          | -         | E38.22        | -         |
| MORGANTOWN             | 2.24          | -         | 2.52          | -         | 4.29          | -         | 5.16          | -         | 2.21          | -         | 3.07          | -         | 6.69          | -         | 3.63          | -         | 1.76          | -         |               |           |               |           |               |           |               |           |

# TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

PENNSYLVANIA  
1961

TABLE 2 - CONTINUED

| Station                 | January       |           | February      |           | March         |           | April         |           | May           |           | June          |           | July          |           | August        |           | September     |           | October       |           | November      |           | December      |           | Annual        |           |   |   |
|-------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---|---|
|                         | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure | Precipitation | Departure |   |   |
| STOYSTOWN               | 2.90          | -         | 3.18          | -         | 3.93          | -         | 5.85          | -         | 3.13          | -         | 3.53          | -         | 3.75          | -         | 2.14          | -         | 2.84          | -         | 2.35          | -         | 3.97          | -         | -             | -         | -             | -         | - |   |
| STRAUSTOWN              | 3.21          | + .20     | 3.07          | .45       | 4.48          | .24       | 5.22          | 1.41      | 3.67          | - .47     | 3.73          | - .56     | 6.65          | 2.11      | 4.49          | + .30     | 3.06          | -1.09     | .95           | -2.57     | 6.06          | 1.70      | 3.18          | - .59     | 47.77         | .13       |   |   |
| STROUDSBURG             | 1.40          | -         | 3.20          | -         | 3.34          | -         | 5.48          | -         | 2.90          | -         | 5.37          | -         | 3.94          | -         | 3.92          | -         | 3.16          | -         | 2.30          | -         | 3.87          | -         | 1.98          | -         | 40.86         | -         |   |   |
| STUMP CREEK             | 1.98          | -1.13     | 2.52          | .04       | 4.00          | .23       | 3.67          | .12       | 3.69          | -1.09     | 5.41          | 1.96      | 4.19          | .38       | 3.23          | - .86     | 1.05          | -2.11     | .99           | -2.30     | 3.37          | + .10     | 2.86          | - .41     | 36.96         | -5.27     |   |   |
| SUNBURY                 | 1.62          | -         | 3.01          | -         | 3.70          | -         | 7.15          | -         | 3.29          | -         | 2.97          | -         | 3.82          | -         | 4.50          | -         | .88           | -         | 1.49          | -         | 3.71          | -         | 2.03          | -         | 38.17         | -         |   |   |
| SUSQUEHANNA             | 1.92          | -         | 3.01          | -         | 2.87          | -         | 4.85          | -         | 4.03          | -         | 4.36          | -         | 5.65          | -         | 6.95          | -         | .88           | -         | 1.00          | -         | 5.13          | -         | 3.31          | -         | 46.69         | -         |   |   |
| SUTERSVILLE             | 3.12          | -         | 3.56          | -         | 3.85          | -         | 4.85          | -         | 4.03          | -         | 4.36          | -         | 5.65          | -         | 6.95          | -         | .88           | -         | 1.00          | -         | 5.13          | -         | 3.31          | -         | 46.69         | -         |   |   |
| TAMAQUA                 | 2.87          | - .47     | 3.62          | .90       | E4.01         | - .31     | E3.79         | - .34     | 3.86          | -1.05     | 7.61          | 3.65      | 5.46          | .43       | E7.21         | 1.95      | 1.46          | -2.63     | .85           | -3.17     | 6.10          | 1.76      | 2.41          | -1.25     | E49.25        | - .53     |   |   |
| TAMAQUA 4 N OAM         | 1.78          | -         | E3.82         | -         | E3.13         | -         | 4.43          | -         | 4.04          | -         | 4.43          | -         | 6.69          | -         | 6.72          | -         | 1.95          | -         | 1.95          | -         | E3.03         | -         | E1.78         | -         | E44.15        | -         |   |   |
| TAMARACK 2 S FIRE TOWER | 1.51          | -         | 3.85          | -         | 3.58          | -         | 7.32          | -         | 3.27          | -         | 4.08          | -         | 2.92          | -         | 2.53          | -         | 4.12          | -         | 2.34          | -         | 4.06          | -         | 1.91          | -         | 41.49         | -         |   |   |
| TIJUSVILLE 2 SE OAM     | 1.27          | -         | 3.72          | -         | 3.90          | -         | 6.15          | -         | 3.96          | -         | 3.23          | -         | 3.42          | -         | 2.21          | -         | 1.28          | -         | 3.14          | -         | 3.93          | -         | 1.79          | -         | 38.00         | -         |   |   |
| TOBYHANNA               | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | - |   |
| TORPEO 4 W              | .96           | -         | 3.73          | -         | 3.11          | -         | 5.98          | -         | 4.02          | -         | 4.50          | -         | 1.88          | -         | 1.97          | -         | 1.91          | -         | 3.49          | -         | 4.88          | -         | 2.16          | -         | 38.59         | -         |   |   |
| TOWANDA 1 ESE           | E1.58         | - .22     | 2.52          | .72       | 2.19          | - .72     | 5.20          | 2.27      | 3.37          | - .86     | 2.90          | - .45     | 2.90          | -1.05     | 3.21          | - .06     | .59           | -2.82     | 1.64          | -1.33     | 2.40          | - .25     | 1.54          | - .61     | E29.65        | -5.38     |   |   |
| TOWER CITY 5 SW         | 2.94          | -         | 3.72          | -         | 4.52          | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | - | - |
| TOWER CITY 1 S          | -             | -         | -             | -         | -             | -         | 5.45          | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | -             | -         | 4.08          | -         | 3.06          | -         | -             | -         | - |   |
| TROY                    | 1.75          | -         | 3.14          | -         | 2.69          | -         | 6.25          | -         | 3.54          | -         | 4.15          | -         | 4.05          | -         | 5.49          | -         | 1.33          | -         | 1.81          | -         | 2.26          | -         | 1.21          | -         | 37.67         | -         |   |   |
| TURTLEPOINT 4 NE        | 1.62          | -         | 4.37          | -         | 2.16          | -         | 5.79          | -         | 3.09          | -         | 4.37          | -         | 4.05          | -         | 6.80          | -         | 2.26          | -         | 1.82          | -         | 3.46          | -         | 1.22          | -         | 40.51         | -         |   |   |
| TYRONE 4 NE BALO EAGLE  | 2.13          | -         | 3.41          | -         | 4.14          | -         | -             | -         | 2.43          | -         | 3.63          | -         | 2.77          | -         | 6.80          | -         | 2.26          | -         | 1.82          | -         | 3.46          | -         | 1.22          | -         | 40.51         | -         |   |   |
| UNION CITY FILT PLANT   | 1.12          | -         | 3.82          | -         | 2.64          | -         | 6.49          | -         | 4.20          | -         | 3.39          | -         | 2.05          | -         | 2.52          | -         | 2.17          | -         | 3.14          | -         | 4.19          | -         | 2.74          | -         | 38.47         | -         |   |   |
| UNIONTOWN               | 2.26          | -1.06     | 3.42          | 1.01      | 4.80          | .78       | 6.08          | 2.30      | 2.66          | -1.82     | 5.17          | .39       | 4.22          | - .09     | 2.94          | -1.12     | 1.92          | -1.11     | 3.37          | -         | 3.45          | .61       | 3.13          | .39       | 43.42         | - .67     |   |   |
| WANDERGRIFT             | E1.78         | - .94     | 3.55          | 1.31      | 3.39          | - .22     | 5.74          | 2.23      | 2.65          | -1.24     | 4.42          | .01       | 5.26          | 1.25      | 2.80          | -1.13     | 1.21          | -1.78     | 3.06          | - .03     | 3.64          | 1.07      | 1.85          | - .70     | E39.35        | - .17     |   |   |
| VIRGINVILLE             | 3.00          | -         | E2.70         | -         | 3.71          | -         | E4.76         | -         | 3.56          | -         | 4.02          | -         | 7.82          | -         | 3.56          | -         | 1.02          | -         | 1.17          | -         | 4.59          | -         | E3.26         | -         | E43.17        | -         |   |   |
| WARREN                  | 1.26          | -1.68     | 4.02          | 1.39      | 2.75          | - .98     | 6.80          | 3.23      | 4.00          | - .22     | 5.04          | .46       | 3.33          | - .86     | 2.80          | - .33     | 3.70          | .19       | 3.03          | - .46     | 3.68          | .10       | 1.62          | -1.44     | 42.03         | - .60     |   |   |
| WATSONTOWN              | 2.35          | -         | 2.57          | -         | 3.78          | -         | 5.12          | -         | 3.32          | -         | 3.87          | -         | 5.63          | -         | 2.74          | -         | 1.60          | -         | 1.65          | -         | 3.98          | -         | 2.73          | -         | 39.34         | -         |   |   |
| WAYNESBURG 2 W          | 2.37          | - .79     | 2.74          | .39       | 4.78          | .91       | 5.95          | 2.35      | 2.85          | -1.32     | 4.47          | .10       | 6.35          | 2.38      | 5.23          | 1.36      | 2.69          | - .46     | 3.72          | 1.04      | 3.63          | 1.12      | 2.77          | .16       | 47.55         | 7.24      |   |   |
| WELLSBORO 3 S           | 1.67          | -         | 2.74          | -         | 2.14          | -         | 4.82          | -         | 3.55          | -         | 4.75          | -         | 3.19          | -         | 5.81          | -         | 1.38          | -         | 1.75          | -         | 2.36          | -         | 1.05          | -         | 35.21         | -         |   |   |
| WEST CHESTER            | 3.13          | + .44     | 3.23          | .43       | 4.79          | .47       | 5.89          | 2.55      | E2.91         | -1.38     | 3.04          | - .93     | 3.91          | - .64     | 2.96          | -2.41     | 1.97          | -1.57     | 1.60          | -1.54     | 2.26          | -1.70     | 2.81          | - .47     | E38.50        | -7.63     |   |   |
| WEST GROVE 1 SE         | 3.84          | .38       | 3.49          | .95       | 4.71          | .55       | 5.75          | 2.28      | 2.35          | -2.00     | 4.68          | .95       | 3.41          | -1.11     | 2.45          | -2.98     | 1.67          | -1.48     | 2.02          | - .89     | 2.45          | -1.07     | 3.35          | .10       | 40.17         | -4.32     |   |   |
| WEST HICKORY            | 1.57          | -         | 3.95          | -         | 3.69          | -         | 6.08          | -         | 4.44          | -         | 3.76          | -         | 2.94          | -         | 3.02          | -         | 2.11          | -         | 3.19          | -         | E5.08         | -         | 2.28          | -         | E42.11        | -         |   |   |
| WHITESBURG              | 1.95          | -         | 4.04          | -         | 3.21          | -         | 6.08          | -         | 2.90          | -         | 3.05          | -         | E7.30         | -         | 1.92          | -         | 1.90          | -         | 3.67          | -         | 4.11          | -         | E2.25         | -         | E42.38        | -         |   |   |
| WILKES BARRE            | 2.32          | .00       | 2.64          | .52       | 3.05          | .08       | 3.61          | .43       | 2.73          | -1.27     | 4.37          | .76       | 6.01          | 1.23      | 3.58          | 1.41      | 1.09          | -2.02     | 1.54          | -1.77     | 3.53          | .42       | 2.34          | - .38     | 38.81         | - .59     |   |   |
| WILLIAMSBURG            | 3.88          | -         | 6.63          | -         | 6.23          | -         | 5.04          | -         | 3.43          | -         | 2.58          | -         | 3.19          | -         | 4.08          | -         | 1.59          | -         | 2.63          | -         | 2.96          | -         | 3.90          | -         | 46.14         | -         |   |   |
| WILLIAMSPORT WB AP      | 2.35          | - .24     | 3.17          | .83       | 3.75          | .41       | 5.46          | 1.92      | 2.94          | -1.37     | 5.11          | 1.69      | 5.49          | 1.78      | 3.69          | .08       | .89           | -2.44     | 1.86          | -1.51     | 3.65          | .39       | 2.53          | - .14     | 40.89         | 1.40      |   |   |
| WOLFSBURG               | 2.41          | -         | 4.03          | -         | 4.14          | -         | 5.66          | -         | 2.19          | -         | 2.55          | -         | 2.33          | -         | 2.78          | -         | 2.78          | -         | 1.60          | -         | 3.18          | -         | 2.41          | -         | 36.06         | -         |   |   |
| YORK 3 SSW PUMP STA     | 2.85          | - .25     | 2.97          | .67       | 3.56          | - .17     | 6.19          | 2.69      | 1.83          | -2.70     | 4.47          | .90       | 5.82          | 1.93      | 3.19          | -1.58     | .55           | -2.70     | 1.96          | -1.95     | 3.56          | .33       | 3.26          | .34       | 40.01         | -2.49     |   |   |
| YORK HAVEN              | 2.56          | - .21     | 2.54          | .29       | 4.03          | .49       | 4.69          | 1.23      | 1.71          | -2.58     | 2.29          | -1.38     | 4.93          | 1.04      | 2.44          | -1.61     | 1.87          | -1.12     | .94           | -2.45     | 3.26          | .07       | 3.29          | .47       | 34.65         | -5.76     |   |   |
| ZION GROVE              | 2.00          | -         | 2.48          | -         | 2.79          | -         | E4.31         | -         | E3.47         | -         | 4.12          | -         | 4.47          | -         | 4.47          | -         | .29           | -         | 1.10          | -         | 3.50          | -         | 2.37          | -         | E34.04        | -         |   |   |
| ZIONSVILLE 3 SE         | 1.93          | -         | E2.61         | -         | 3.93          | -         | 4.94          | -         | 3.13          | -         | 2.95          | -         | 8.45          | -         | 3.35          | -         | 1.40          | -         | 1.42          | -         | 3.22          | -         | 3.46          | -         | E40.79        | -         |   |   |
| DIVISIONAL AVERAGES     |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |   |   |
| POCONO MOUNTAINS        | 2.32          | - .60     | 2.57          | .10       | 3.44          | - .34     | 4.60          | .90       | 3.43          | - .91     | 3.90          | - .05     | 5.15          | .30       | 4.68          | .19       | 1.42          | -2.19     | 1.34          | -2.23     | 4.55          | .74       | 2.92          | - .25     | 40.32         | -4.34     |   |   |
| EAST CENTRAL MOUNTAINS  | 2.78          | - .45     | 3.12          | .62       | 4.18          | .20       | 4.33          | .65       | 2.99          | -1.59     | 2.99          | - .89     | 7.79          | 2.78      | 4.13          | - .49     | 1.89          | -1.77     | .94           | -2.43     | 4.00          | .21       | 3.48          | .07       | 42.62         | -3.09     |   |   |
| SOUTHEASTERN PIEDMONT   | 2.88          | - .42     | 3.07          | .54       | 4.54          | .61       | 5.47          | 2.02      | 2.98          | -1.21     | 3.17          | - .82     | 6.88          | 2.54      | 3.61          | -1.27     | 1.78          | -1.58     | 1.70          | -1.46     | 2.77          | - .74     | 3.17          | .08       | 42.02         | -1.71     |   |   |
| LOWER SUSQUEHANNA       | 3.01          | .03       | 3.34          | 1.07      | 4.36          | .52       | 5.61          | 2.14      | 2.14          | -2.13     | 4.01          | .30       | 4.32          | .45       | 3.19          | -1.00     | 2.49          | - .69     | 1.20          | -2.16     | 3.20          | - .09     | 3.20          | .19       | 40.07         | -1.37     |   |   |
| MIDDLE SUSQUEHANNA      | 2.02          | - .72     | 2.66          | .49       | 3.66          | - .09     | 4.80          | 1.32      | 3.13          | -1.26     | 3.55          | .17       | 4.39          | .58       | 4.00          | - .03     | 1.22          | -1.86     | 1.48          | -1.80     | 3.59          | .20       | 2.60          | - .34     | 37.10         | -3.36     |   |   |
| UPPER SUSQUEHANNA       | 1.54          | - .64     | 2.91          | .88       | 2.66          | - .47     | 5.35          | 2.22      | 3.21          | -1.08     | 4.14          | .83       | 4.01          | .06       | 3.90          | - .11     | 1.15          | -2.16     | 1.81          | -1.31     | 2.82          | - .13     | 1.57          | - .91     | 35.07         | -2.82     |   |   |
| CENTRAL MOUNTAINS       | 1.80          | -1.07     | 3.48          | 1.22      | 3.47          | - .39     | 4.95          | 1.38      | 2.70          | -1.75     | 4.49          | .75       | 4.68          | .60       | 3.80          | .12       | 1.85          | -1.17     | 2.13          | - .96     | 3.04          | - .14     | 1.77          | -1.12     | 38.16         | -2.53     |   |   |
| SOUTH CENTRAL MOUNTAIN  | 2.91          | - .12     | 3.92          | 1.68      | 4.63          | .58       | 5.46          | 1.81      | 2.53          | -1.62     | 3.68          | - .51     | 3.42          | - .68     | 3.78          | - .14     | 2.03          | - .87     | 1.61          | -1.36     | 3.17          | .22       | 2.77          | - .17     | 39.91         | -1.16     |   |   |
| SOUTHWEST PLATEAU       | 2.15          | -1.01     | 3.51          | 1.06      | 4.05          | .12       | 5.76          | 2.02      | 3.17          | - .98     | 4.54          | .09       | 5.13          | .95       | 2.84          | -1.12     | 1.97          | -1.05     | 2.97          | .09       | 3.71          | .95       | 2.40          | - .40     | 42.20         | .72       |   |   |
| NORTHWEST PLATEAU       | 1.34          | -1.72     | 3.95          | 1.45      | 3.59          | .05       | 6.07</        |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |               |           |   |   |

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

PENNSYLVANIA  
1961

| Station                 | Highest | Last spring minimum of |       |              |       |              |       |              |       |              |       | First fall minimum of |       |              |       |              | Number of days between dates |              |         |              |       |              |              |              |              |              |     |     |     |
|-------------------------|---------|------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------------|-------|--------------|------------------------------|--------------|---------|--------------|-------|--------------|--------------|--------------|--------------|--------------|-----|-----|-----|
|                         |         | 16° or below           |       | 20° or below |       | 24° or below |       | 28° or below |       | 32° or below |       | 32° or below          |       | 28° or below |       | 24° or below |                              | 20° or below |         | 16° or below |       | 16° or below | 20° or below | 24° or below | 28° or below | 32° or below |     |     |     |
|                         |         | Date                   | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date                  | Temp. | Date         | Temp. | Date         | Temp.                        | Date         | Temp.   | Date         | Temp. |              |              |              |              |              |     |     |     |
| ALLENTOWN WB AP         | 93      | 7-2+                   | -12   | 1-22         | 3-18  | 13           | 3-18  | 13           | 4-2   | 24           | 4-9   | 24                    | 4-21  | 30           | 10-5  | 32           | 10-28                        | 27           | 11-11   | 24           | 12-9  | 18           | 12-15        | 11           | 272          | 266          | 216 | 202 | 167 |
| ALLENTOWN GAS CO        | 94      | 6-14                   | -10   | 1-22         | 3-18  | 15           | 3-19  | 19           | 4-9   | 27           | 4-9   | 27                    | 4-21  | 31           | 10-23 | 32           | 11-11                        | 24           | 11-11   | 24           | 12-14 | 18           | 12-16        | 10           | 273          | 270          | 237 | 216 | 185 |
| ALTOONA HORSESHOE CURVE | 89      | 9-12+                  | -17   | 2-2          | 3-18  | 14           | 3-18  | 14           | 4-2   | 24           | 4-30  | 27                    | 5-5   | 30           | 10-4  | 32           | 10-28                        | 28           | 11-11   | 21           | 11-22 | 19           | 12-9         | 15           | 266          | 249          | 223 | 181 | 152 |
| ARENOTSVILLE            | 95      | 7-24                   | -13   | 2-2          | 3-18  | 15           | 3-18  | 15           | 3-21  | 24           | 4-21  | 28                    | 4-30  | 32           | 10-28 | 29           | 11-10                        | 28           | 11-11   | 22           | 12-9  | 17           | 12-14        | 14           | 271          | 266          | 235 | 203 | 181 |
| AUSTINBURG 2 W          | 89      | 9-13+                  | -     | -            | -     | -            | -     | -            | -     | -            | -     | -                     | -     | 9-17         | 31    | 10-5         | 28                           | 10-23        | 23      | 11-10        | 19    | 11-11        | 13           | -            | -            | -            | -   | -   |     |
| BAKERSTOWN 3 WNW        | 95      | 7-23                   | -13   | 2-2          | 3-17  | 11           | 3-17  | 11           | 3-30  | 24           | 4-8   | 28                    | 5-4   | 32           | 11-7  | 29           | 11-8                         | 28           | 11-11   | 22           | 12-6  | 19           | 12-9         | 12           | 267          | 264          | 226 | 214 | 187 |
| BELLEFRONTE 4 S         | 91      | 6-13                   | -8    | 1-23+        | 3-17  | 10           | 3-20  | 18           | 4-20  | 22           | 4-30  | 28                    | 5-30  | 32           | 10-23 | 26           | 11-11                        | 18           | 11-11   | 18           | 11-11 | 18           | 12-14        | 10           | 272          | 236          | 205 | 176 | 123 |
| BERWICK                 | 94      | 6-13                   | -20   | 1-23         | 3-18  | 13           | 3-18  | 13           | 3-21  | 24           | 4-21  | 28                    | 4-30  | 31           | 10-5  | 32           | 10-23                        | 28           | 11-11   | 20           | 11-11 | 20           | 12-14        | 13           | 271          | 238          | 235 | 185 | 158 |
| BETLEHEM LEHIGH UNIV    | 92      | 9-5+                   | -4    | 1-22         | 3-17  | 8            | 3-17  | 8            | 4-5   | 22           | 4-21  | 28                    | 4-9   | 32           | 11-11 | 32           | 12-9                         | 28           | 12-14   | 24           | 12-16 | 20           | NONE         | -            | 307          | 271          | 266 | 216 |     |
| BLAIRSVILLE 6 ENE       | 87      | 9-13                   | -10   | 1-25         | 3-17  | 8            | 3-17  | 8            | 4-5   | 22           | 5-2   | 28                    | 5-27  | 31           | 10-4  | 32           | 11-8                         | 26           | 11-9    | 24           | 12-6  | 20           | 12-14        | 14           | 266          | 264          | 218 | 190 | 130 |
| BLOSSERSVILLE 1 N       | 93      | 7-23                   | -5    | 2-2          | 3-17  | 12           | 3-18  | 17           | 3-19  | 24           | 4-4   | 28                    | 4-30  | 32           | 10-28 | 30           | 11-10                        | 28           | 11-11   | 22           | 12-14 | 14           | 12-14        | 14           | 272          | 271          | 237 | 220 | 181 |
| BROADFORD FAA AIRPORT   | 85      | 8-31                   | -17   | 2-2          | 3-18  | 8            | 4-9   | 20           | 4-20  | 21           | 5-5   | 27                    | 6-16  | 32           | 10-17 | 30           | 11-10                        | 28           | 11-10   | 18           | 11-10 | 18           | 11-11        | 15           | 238          | 215          | 204 | 171 | 93  |
| BROADFORD 4 W RES       | 86      | 8-31+                  | -     | -            | -     | -            | -     | -            | 5-5   | 22           | 5-30  | 26                    | 6-16  | 30           | 9-29  | 28           | 9-29                         | 28           | 10-23   | 22           | 11-10 | 15           | 11-10        | 15           | -            | -            | 171 | 122 | 105 |
| BROOKVILLE FAA AIRPORT  | 90      | 8-31                   | -30   | 1-22         | 3-17  | 10           | 3-18  | 14           | 4-20  | 24           | 5-5   | 25                    | 5-30  | 30           | 9-29  | 31           | 10-17                        | 28           | 11-10   | 20           | 11-10 | 20           | 12-13        | 12           | 271          | 224          | 204 | 165 | 122 |
| BURGETTSTOWN 2 W        | 90      | 9-14+                  | -24   | 1-26+        | 3-18  | 14           | 3-30  | 20           | 5-4   | 23           | 5-5   | 25                    | 5-31  | 32           | 9-29  | 30           | 10-17                        | 28           | 11-8    | 21           | 11-11 | 19           | 12-9         | 9            | 266          | 226          | 188 | 165 | 121 |
| BURNT CABINS 2 NE       | 92      | 7-2                    | -18   | 2-2          | 3-18  | 12           | 3-18  | 12           | 4-20  | 24           | 5-5   | 28                    | 5-5   | 28           | 10-5  | 32           | 10-23                        | 28           | 11-11   | 18           | 11-11 | 18           | 12-9         | 14           | 266          | 228          | 208 | 171 | 153 |
| BUTLER                  | 93      | 9-14                   | -16   | 2-2          | 3-17  | 12           | 3-31  | 19           | 4-3   | 24           | 5-5   | 26                    | 5-31  | 32           | 9-29  | 29           | 10-23                        | 28           | 11-11   | 19           | 11-11 | 19           | 12-9         | 14           | 267          | 225          | 222 | 171 | 121 |
| CANTON 1 NW             | 90      | -                      | -     | -            | -     | -            | -     | -            | 4-9   | 23           | 4-20  | 26                    | 4-30  | 30           | 10-5  | 32           | 10-28                        | 28           | 11-10   | 20           | 11-10 | 20           | 12-14        | 12           | 270          | 225          | 215 | 191 | 158 |
| CARLISLE                | 96      | 6-30                   | -9    | 1-23+        | 3-18  | 15           | 3-18  | 15           | 3-21  | 24           | 4-20  | 26                    | 4-30  | 30           | 10-23 | 31           | 11-11                        | 24           | 11-11   | 24           | 12-9  | 20           | 12-14        | 15           | 271          | 266          | 235 | 205 | 176 |
| CHAMBERSBURG 1 ESE      | 94      | 9-1+                   | -16   | 2-2          | 3-18  | 16           | 3-18  | 16           | 3-18  | 16           | 4-20  | 27                    | 5-5   | 30           | 10-23 | 31           | 10-28                        | 25           | 11-11   | 20           | 11-11 | 20           | 12-9         | 9            | 266          | 238          | 238 | 191 | 171 |
| CLARION 3 SW            | -       | -                      | -26   | 2-2          | 3-31  | 15           | 4-20  | 20           | 5-5   | 22           | 5-30  | 25                    | 5-31  | 31           | -     | -            | 10-4                         | 26           | 11-7    | 24           | 11-10 | 17           | 11-11        | 14           | 225          | 204          | 186 | 127 | -   |
| CLAYSVILLE 3 W          | 92      | 9-1+                   | -24   | 1-25         | 3-18  | 14           | 3-20  | 19           | 5-4   | 24           | 5-5   | 25                    | 5-31  | 32           | 9-29  | 28           | 9-29                         | 28           | 11-8    | 23           | 11-10 | 18           | 11-22        | 15           | 249          | 235          | 188 | 147 | 121 |
| CLERMONT 4 NW           | 90      | 8-19+                  | -34   | 2-2          | 3-20  | 15           | 3-5   | 18           | 5-30  | 23           | 5-31  | 28                    | 6-16  | 30           | 7-10  | 32           | 9-29                         | 26           | 10-23   | 20           | 10-23 | 20           | 11-10        | 15           | 235          | 171          | 146 | 121 | 24  |
| COATESVILLE 1 SW        | 95      | 7-24                   | -8    | 1-22         | 3-19  | 19           | 3-19  | 19           | 3-21  | 24           | 4-17  | 28                    | 4-21  | 29           | 10-5  | 32           | 10-28                        | 28           | 11-10   | 20           | 11-11 | 20           | 12-16        | 12           | 311          | 237          | 225 | 194 | 167 |
| CONFLUENCE 1 SW OAM     | 91      | 9-14+                  | -9    | 2-3+         | 3-18  | 15           | 3-18  | 15           | 4-2   | 23           | 5-5   | 28                    | 5-24  | 32           | 10-28 | 28           | 10-28                        | 28           | 11-11   | 22           | 12-8  | 20           | 12-9         | 11           | 266          | 265          | 223 | 176 | 157 |
| CONNEAUTVILLE           | 90      | 7-23+                  | -     | -            | -     | -            | -     | -            | 5-17  | 20           | 5-17  | 20                    | 5-30  | 29           | 9-29  | 31           | 11-9                         | 28           | 11-10   | 21           | 11-22 | 19           | 12-9         | 16           | -            | 189          | 177 | 176 | 122 |
| CORRY                   | 89      | 8-31                   | -22   | 2-2          | 3-31  | 16           | 3-31  | 16           | 4-20  | 22           | 5-5   | 28                    | 5-30  | 29           | 9-29  | 31           | 10-4                         | 26           | 11-10   | 13           | 11-10 | 13           | 11-10        | 13           | 224          | 224          | 204 | 152 | 122 |
| COUDERSPORT 3 NW        | 90      | 6-13                   | -20   | 2-2          | 4-20  | 16           | 4-20  | 16           | 5-5   | 21           | 5-31  | 26                    | 6-17  | 32           | 7-10  | 32           | 9-17                         | 27           | 10-17   | 24           | 10-23 | 19           | 11-10        | 16           | 204          | 186          | 165 | 109 | 23  |
| DEAULT 1 W              | 94      | 7-22                   | -6    | 2-2          | 3-18  | 12           | 3-18  | 12           | 4-7   | 28           | 4-7   | 28                    | 4-10  | 29           | 10-27 | 32           | 11-9                         | 26           | 11-11   | 22           | 12-8  | 20           | 12-14        | 17           | 271          | 265          | 238 | 216 | 200 |
| DIXON                   | 91      | 9-13+                  | -21   | 1-23+        | 3-19  | 10           | 4-9   | 20           | 4-10  | 22           | 5-6   | 28                    | 5-30  | 32           | 9-29  | 32           | 10-5                         | 27           | 10-24   | 24           | 11-11 | 17           | -            | -            | 216          | 197          | 152 | 122 |     |
| DONEGAL                 | 90      | 9-14+                  | -14   | 1-25         | 3-17  | 8            | 4-2   | 18           | 5-5   | 22           | 5-30  | 28                    | 5-30  | 28           | 9-29  | 28           | 9-29                         | 28           | 11-9    | 23           | 11-11 | 18           | 11-22        | 14           | 250          | 223          | 188 | 122 | 28  |
| DONORA                  | 91      | 9-3+                   | -11   | 1-25         | 3-18  | 11           | 4-2   | 20           | 4-3   | 24           | 5-4   | 27                    | 5-30  | 31           | 9-29  | 32           | 10-28                        | 27           | 11-8    | 24           | 11-11 | 20           | 11-22        | 16           | 250          | 223          | 199 | 177 | 122 |
| OU BOIS 7 E             | 86      | 9-13+                  | -35   | 2-2          | 3-17  | 14           | 3-17  | 14           | 5-5   | 24           | 5-5   | 24                    | 5-30  | 29           | 9-29  | 32           | 10-23                        | 28           | 11-10   | 20           | 11-10 | 20           | 12-14        | 10           | 271          | 224          | 189 | 171 | 122 |
| EAGLES MERE             | 84      | 6-13                   | -23   | 2-15         | 3-19  | 12           | 3-31  | 20           | 4-9   | 24           | 4-30  | 28                    | 5-27  | 32           | 10-5  | 31           | 11-8                         | 27           | 11-10   | 21           | 11-11 | 20           | 12-9         | 14           | 265          | 225          | 215 | 192 | 131 |
| EAST BRADY              | 93      | 9-13                   | -22   | 2-2          | 3-17  | 14           | 3-18  | 18           | 3-31  | 21           | 5-5   | 27                    | 5-24  | 32           | 10-4  | 32           | 11-10                        | 25           | 11-11   | 21           | 12-9  | 15           | 12-9         | 15           | 265          | 226          | 215 | 189 | 133 |
| EBENSBURG               | 87      | 7-23+                  | -15   | 2-2          | 3-18  | 15           | 4-2   | 19           | 4-20  | 23           | 5-5   | 25                    | 5-27  | 31           | 9-29  | 32           | 10-23                        | 28           | 11-9    | 22           | 11-11 | 18           | 11-22        | 16           | 249          | 223          | 203 | 171 | 125 |
| EMPORIUM 1 N            | 87      | 9-1+                   | -23   | 2-3+         | 3-31  | 15           | 4-9   | 20           | 5-5   | 24           | 5-30  | 26                    | 5-31  | 30           | 9-29  | 29           | 9-30                         | 28           | 11-10   | 18           | 11-11 | 18           | 11-11        | 14           | 225          | 215          | 171 | 123 | 121 |
| ENGLISH CENTER          | 89      | 9-1+                   | -22   | 2-3+         | 3-19  | 10           | 4-1   | 18           | 4-21  | 23           | 5-5   | 26                    | 5-31  | 29           | 9-29  | 30           | 10-17                        | 28           | 10-24   | 24           | 11-11 | 16           | 11-11        | 16           | 237          | 224          | 186 | 165 | 121 |
| EPHRATA                 | 91      | 7-23+                  | -9    | 2-2          | 3-18  | 15           | 3-18  | 15           | 4-3   | 27           | 4-20  | 32                    | 4-20  | 32           | 10-28 | 30           | 11-10                        | 27           | 11-11   | 24           | 12-9  | 19           | 12-14        | 16           | 271          | 266          | 238 | 200 | 191 |
| ERVIE WB AIRPORT        | 90      | 9-13+                  | -6    | 2-2          | 3-17  | 13           | 3-18  | 17           | 3-31  | 22           | 4-9   | 28                    | 5-2   | 32           | 11-8  | 32           | 11-10                        | 27           | 12-8    | 24           | 12-13 | 20           | 12-14        | 14           | 272          | 270          | 232 | 215 | 190 |
| EVERETT 1 SW            | 94      | 7-2                    | -12   | 2-2          | 3-18  | 16           | 3-18  | 16           | 3-19  | 21           | 3-31  | 27                    | 5-5   | 32           | 10-17 | 30           | 10-27                        | 27           | 11-10   | 22           | 11-11 | 20           | 12-14        | 13           | 271          | 238          | 234 | 210 | 165 |
| FARRELL SHARON          | 94      | 7-22+                  | -5    | 2-2          | 2-7   | 8            | 3-18  | 16           | 3-20  | 24           | 4-2   | 28                    | 4-30  | 31           | 11-8  | 32           | 11-11                        | 28           | 12-13   | 23           | 12-14 | 17           | 12-16        | 16           | 312          | 272          | 268 | 223 | 192 |
| FORD CITY 4 S DAM       | 91      | 9-14                   | -21   | 2-3+         | 3-18  | 15           | 3-18  | 15           | 3-31  | 21           | 5-5   | 27                    | 5-30  | 31           | 11-9  | 28           | 11-11                        | 20           | 11-11</ |              |       |              |              |              |              |              |     |     |     |

Table 3—Continued

## TEMPERATURE EXTREMES AND FREEZE DATA

PENNSYLVANIA  
1961

| Station                 | Highest | Date  | Lowest | Date | Last spring minimum of |       |              |       |              |       |              |       |              |       | First fall minimum of |       |              |       |              |       |              |       |              |     | Number of days between dates |              |              |              |              |    |
|-------------------------|---------|-------|--------|------|------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-----|------------------------------|--------------|--------------|--------------|--------------|----|
|                         |         |       |        |      | 16° or below           |       | 20° or below |       | 24° or below |       | 28° or below |       | 32° or below |       | 32° or below          |       | 28° or below |       | 24° or below |       | 20° or below |       | 16° or below |     | 16° or below                 | 20° or below | 24° or below | 28° or below | 32° or below |    |
|                         |         |       |        |      | Date                   | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. | Date                  | Temp. | Date         | Temp. | Date         | Temp. | Date         | Temp. |              |     |                              |              |              |              |              |    |
| QUAKERTOWN 1 E          | -       | -     | -19    | 1-22 | 3-18                   | 12    | 3-18         | 12    | 3-21         | 22    | 4-20         | 27    | 5-4          | 31    | 10-5                  | 30    | 10-24        | 27    | 11-11        | 19    | 11-11        | 19    | 12-14        | 15  | 271                          | 238          | 235          | 187          | 154          |    |
| READING WB CITY         | 95      | 7-23  | -1     | 2-2  | 2-7                    | 10    | 3-18         | 19    | 3-18         | 19    | 3-21         | 28    | 4-9          | 31    | 11-11                 | 27    | 11-11        | 27    | 12-14        | 22    | 12-15        | 18    | 12-16        | 14  | 312                          | 272          | 271          | 235          | 216          |    |
| RENOVO                  | 95      | 7-24  | -      | -    | 3-19                   | 16    | 3-19         | 16    | 3-31         | 22    | 4-20         | 27    | 5-6          | 32    | 10-23                 | 31    | 11-2         | 28    | 11-10        | 24    | 11-11        | 19    | 12-14        | 12  | 270                          | 237          | 224          | 196          | 170          |    |
| RIOGWAY 3 W             | 89      | 9-13+ | -35    | 2-2  | 3-31                   | 13    | 4-20         | 19    | 5-5          | 21    | 5-30         | 28    | 5-31         | 31    | 9-29                  | 31    | 10-17        | 27    | 11-8         | 24    | 11-10        | 15    | 11-10        | 15  | 224                          | 204          | 187          | 140          | 121          |    |
| SALINA 3 W              | 90      | 9-13+ | -19    | 1-25 | 3-31                   | 13    | 3-31         | 13    | 4-3          | 22    | 5-30         | 28    | 5-30         | 28    | 10-4                  | 30    | 11-8         | 26    | 11-9         | 23    | 11-22        | 19    | 12-8         | 11  | 252                          | 236          | 220          | 162          | 127          |    |
| SCRANTON                | 94      | 9-2+  | -10    | 2-2  | 3-19                   | 11    | 3-19         | 11    | 3-22         | 23    | 4-9          | 26    | 4-21         | 32    | 10-5                  | 32    | 10-28        | 26    | 11-11        | 19    | 11-11        | 19    | 12-14        | 16  | 270                          | 237          | 234          | 202          | 167          |    |
| SCRANTON WB AIRPORT     | 90      | 7-2+  | -11    | 2-2  | 3-18                   | 7     | 3-31         | 20    | 4-9          | 21    | 4-20         | 27    | 4-30         | 31    | 10-5                  | 31    | 10-28        | 25    | 11-10        | 21    | 11-11        | 19    | 12-14        | 16  | 271                          | 225          | 215          | 191          | 158          |    |
| SHIPPENSBURG            | 94      | 9-1   | -10    | 2-2  | 3-18                   | 16    | 3-18         | 16    | 3-18         | 16    | 4-20         | 28    | 4-30         | 30    | 10-23                 | 32    | 11-11        | 22    | 12-9         | 17    | 12-16        | 10    | 12-16        | 10  | 273                          | 266          | 238          | 205          | 176          |    |
| SLIPPERY ROCK           | 92      | 8-31  | -11    | 2-2  | 3-17                   | 12    | 3-20         | 20    | 4-3          | 23    | 4-8          | 28    | 5-17         | 30    | 11-7                  | 30    | 11-9         | 27    | 11-22        | 24    | 12-8         | 20    | 12-13        | 12  | 271                          | 263          | 233          | 215          | 174          |    |
| STATE COLLEGE           | 90      | 7-2+  | -7     | 2-3+ | 3-19                   | 16    | 3-19         | 16    | 3-19         | 16    | 4-10         | 28    | 4-30         | 31    | 10-28                 | 31    | 11-10        | 28    | 11-11        | 24    | 12-14        | 14    | 12-14        | 14  | 270                          | 270          | 237          | 214          | 181          |    |
| STOYSTOWN               | -       | -     | -      | -    | -                      | -     | -            | -     | -            | -     | -            | -     | 5-27         | 32    | 9-29                  | 31    | 10-23        | 28    | 11-9         | 24    | 11-11        | 20    | 12-8         | 11  | -                            | -            | -            | -            | 125          |    |
| STROUSBURG              | 93      | 6-13  | -25    | 1-22 | 3-18                   | 6     | 4-9          | 20    | 4-20         | 24    | 4-20         | 24    | 5-31         | 32    | 9-30                  | 32    | 10-5         | 28    | 10-24        | 24    | 10-28        | 19    | 12-14        | 14  | 271                          | 202          | 187          | 168          | 122          |    |
| SUNBURY                 | 94      | 7-24+ | -15    | 1-22 | 3-19                   | 13    | 3-21         | 20    | 3-31         | 23    | 4-20         | 27    | 5-5          | 32    | 10-5                  | 30    | 10-28        | 28    | 11-11        | 19    | 11-11        | 19    | 12-14        | 14  | 270                          | 235          | 225          | 191          | 153          |    |
| TAMARACK 2 S FIRE TOWER | -       | -     | -      | -    | -                      | -     | -            | -     | -            | -     | -            | -     | -            | -     | -                     | -     | -            | -     | -            | -     | -            | -     | -            | -   | -                            | -            | -            | -            | -            |    |
| TIONESTA 2 SE DAM       | 88      | 9-13+ | -26    | 2-3  | 3-18                   | 11    | 3-31         | 17    | 4-9          | 23    | 5-5          | 26    | 5-30         | 31    | 10-4                  | 32    | 11-9         | 28    | 11-10        | 21    | 11-11        | 18    | 12-14        | 9   | 271                          | 225          | 215          | 188          | 127          |    |
| TITUSVILLE WATER WORKS  | 88      | 9-13+ | -31    | 2-2  | 3-31                   | 13    | 4-20         | 18    | 5-5          | 22    | 5-30         | 26    | 5-30         | 26    | 9-17                  | 32    | 9-29         | 28    | 10-4         | 24    | 11-10        | 13    | 11-10        | 13  | 224                          | 204          | 152          | 122          | 10           |    |
| TOBYHANNA               | -       | -     | -      | -    | -                      | -     | -            | -     | -            | -     | -            | -     | -            | -     | -                     | -     | -            | -     | -            | -     | -            | -     | -            | -   | -                            | -            | -            | -            | -            |    |
| TOWANOA 1 ESE           | 92      | 6-13  | -23    | 2-2  | 3-21                   | 16    | 4-9          | 19    | 4-9          | 19    | 4-21         | 26    | 5-31         | 31    | 9-29                  | 32    | 10-17        | 28    | 10-28        | 23    | 11-11        | 12    | 11-11        | 12  | 235                          | 216          | 202          | 179          | 121          |    |
| TOWER CITY 1 S          | -       | -     | -      | -    | -                      | -     | -            | -     | -            | -     | -            | -     | 4-9          | 24    | 4-21                  | 27    | 4-21         | 27    | 4-21         | 27    | 4-21         | 27    | 4-21         | 27  | 4-21                         | 27           | 4-21         | 27           | 4-21         | 27 |
| UNIONTOWN               | 90      | 9-13+ | -13    | 1-25 | 2-9                    | 13    | 3-17         | 17    | 3-17         | 17    | 4-30         | 27    | 5-4          | 31    | 10-23                 | 32    | 11-9         | 27    | 11-11        | 22    | 11-22        | 20    | 12-9         | 14  | 303                          | 250          | 239          | 193          | 172          |    |
| WARREN                  | 92      | 7-23  | -21    | 2-2  | 3-18                   | 12    | 3-31         | 17    | 4-20         | 22    | 5-5          | 27    | 5-30         | 30    | 10-4                  | 32    | 10-17        | 28    | 11-10        | 19    | 11-10        | 19    | 12-14        | 12  | 271                          | 224          | 204          | 165          | 127          |    |
| WAYNESBURG 2 W          | 91      | 6-12  | -19    | 1-25 | 3-18                   | 16    | 3-18         | 16    | 4-20         | 24    | 5-5          | 27    | 5-31         | 32    | 9-29                  | 30    | 10-17        | 28    | 11-8         | 23    | 11-11        | 20    | 11-22        | 16  | 249                          | 238          | 202          | 165          | 121          |    |
| WELLSBORO 3 S           | 87      | 9-1+  | -13    | 2-3+ | 3-19                   | 10    | 3-31         | 20    | 4-20         | 23    | 4-21         | 28    | 5-5          | 32    | 10-5                  | 31    | 10-23        | 28    | 11-10        | 19    | 11-10        | 19    | 12-9         | 14  | 265                          | 224          | 204          | 185          | 153          |    |
| WEST CHESTER            | 96      | 7-23  | -6     | 2-2  | 3-18                   | 15    | 3-18         | 15    | 3-18         | 15    | 4-9          | 27    | 4-21         | 32    | 10-28                 | 30    | 11-11        | 24    | 12-10        | 18    | 12-16        | 11    | 273          | 267 | 238                          | 216          | 190          |              |              |    |
| WILLIAMSPORT WB AP      | 93      | 9-12  | -13    | 1-22 | 3-18                   | 13    | 3-18         | 13    | 3-31         | 24    | 4-9          | 25    | 4-21         | 29    | 10-24                 | 32    | 11-10        | 26    | 11-11        | 22    | 12-14        | 14    | 12-14        | 14  | 271                          | 271          | 225          | 215          | 186          |    |
| YORK 3 SSW PUMP STA     | 93      | 9-4+  | -19    | 2-2  | 3-18                   | 15    | 3-18         | 15    | 3-21         | 24    | 4-30         | 28    | 5-5          | 32    | 10-5                  | 32    | 10-28        | 28    | 11-11        | 21    | 12-9         | 15    | 12-9         | 15  | 264                          | 266          | 235          | 181          | 153          |    |

## TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

| Station             |      | Jan. | Feb. | Mar. | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct. | Nov. | Dec. | Annual |
|---------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
|                     |      |      |      |      |       |       |       |       |       |       |      |      |      |        |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -    | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | 2520  | 2101  | 1852  | 1646  | 1318  | 1694 | 2236 | -    | -      |
| CONFLUENCE 1 SW DAM | EVAP | -    | -    | -    | B2.76 | B4.09 | 4.98  | 5.46  | 4.76  | 3.85  | 2.23 | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -    | -    | -    | -      |
|                     | WIND | -    | -    | -    | B2466 | 1706  | 1047  | 940   | 797   | 810   | 1309 | -    | -    | -      |
| FORD CITY 4 S DAM   | EVAP | -    | -    | -    | -     | B4.19 | 5.08  | 5.51  | 4.94  | 3.86  | 2.59 | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -    | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | B1644 | 1111  | 880   | 663   | 725   | 1223 | -    | -    | -      |
| JAMESTOWN 2 NW      | EVAP | -    | -    | -    | -     | -     | B4.64 | B4.89 | 4.77  | 3.70  | -    | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -0.40 | -0.93 | +0.08 | +0.34 | -    | -    | -    | -      |
|                     | WIND | -    | -    | -    | -     | B1074 | 684   | 458   | 453   | 464   | -    | -    | -    | -      |
| LANDISVILLE 2 NW    | EVAP | -    | -    | -    | -     | -     | 6.54  | B7.11 | 5.82  | B5.37 | 3.10 | -    | -    | -      |
|                     | DEP  | -    | -    | -    | -     | -     | -     | -     | -     | -     | -    | -    | -    | -      |
|                     | WIND | -    | -    | -    | 3172  | -     | 1455  | 1343  | 1132  | 1416  | 1839 | -    | -    | -      |

See reference notes following Station Index.

# SOIL TEMPERATURES

PENNSYLVANIA  
1961

| Station and Depth      | January |          | February |          | March   |          | April   |          | May     |          | June    |          | July    |          | August  |          | September |          | October |          | November |          | December |          | Annual  |          |  |  |
|------------------------|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-----------|----------|---------|----------|----------|----------|----------|----------|---------|----------|--|--|
|                        | Average | Extremes | Average  | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average | Extremes | Average   | Extremes | Average | Extremes | Average  | Extremes | Average  | Extremes | Average | Extremes |  |  |
| ERIE CO FIELD RSCH LAB |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |  |
| 8 INCHES               | 34.5    | 35/34    | 34.8     | 44/32    | 39.1    | 48/34    | 43.2    | 54/36    | 56.1    | 70/47    | 66.3    | 78/56    | 76.2    | 82/69    | -       | --/--    | -         | --/--    | 57.7    | 65/50    | 46.6     | 56/39    | 37.4     | 48/34    | -       | --/32    |  |  |
| LANDISVILLE 2 NW       |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |  |
| 2 INCHES               | 26.6    | 32/18    | 27.9     | 32/16    | 36.2    | 45/31    | 42.5    | 56/36    | 53.0    | 61/44    | 63.6    | 70/57    | 66.2    | 73/62    | 66.8    | 72/65    | 66.0      | 71/59    | 52.3    | 67/44    | 45.4     | 59/36    | 34.7     | 43/31    | 48.6    | 73/16    |  |  |
| STATE COLLEGE 2        |         |          |          |          |         |          |         |          |         |          |         |          |         |          |         |          |           |          |         |          |          |          |          |          |         |          |  |  |
| 2 INCHES               | -       | --/--    | 30.4     | 45/21    | 38.4    | 57/30    | 43.0    | 66/31    | 55.6    | 75/39    | 70.3    | 83/53    | 72.1    | 83/57    | 74.7    | 85/63    | 71.6      | 84/54    | 56.6    | 69/44    | 45.3     | 60/34    | 34.5     | 45/29    | -       | 85/--    |  |  |
| 4 INCHES               | -       | --/--    | 30.3     | 42/22    | 36.1    | 54/31    | 42.3    | 62/32    | 54.9    | 70/40    | 66.9    | 78/53    | 71.2    | 81/59    | 74.4    | 82/65    | 71.3      | 82/55    | 56.6    | 67/45    | 45.6     | 59/35    | 34.6     | 45/29    | -       | 82/--    |  |  |
| 6 INCHES               | -       | --/--    | 30.6     | 39/25    | 38.1    | 49/32    | 42.0    | 55/34    | 54.0    | 63/43    | 65.2    | 73/53    | 69.9    | 76/62    | 73.7    | 78/68    | 71.2      | 78/60    | 57.9    | 65/49    | 47.6     | 59/36    | 36.9     | 45/32    | -       | 78/--    |  |  |
| 12 INCHES              | -       | --/--    | 31.2     | 37/26    | 38.0    | 45/33    | 41.6    | 51/36    | 52.8    | 59/45    | 63.5    | 66/55    | 66.4    | 73/63    | 73.0    | 75/70    | 71.1      | 76/62    | 59.0    | 65/52    | 46.6     | 58/41    | 38.5     | 45/34    | -       | 76/--    |  |  |
| 16 INCHES              | -       | --/--    | 31.9     | 36/29    | 37.7    | 45/34    | 41.6    | 50/37    | 52.2    | 57/45    | 62.5    | 66/55    | 67.5    | 71/63    | 72.4    | 74/70    | 71.0      | 75/64    | 59.5    | 65/53    | 50.5     | 59/42    | 39.9     | 46/35    | -       | 75/--    |  |  |

Erie Co Field Rsch Lab - Monthly averages are obtained by taking the average of max and min values.

Slope of Ground: Flat. Soil Type: Lake Terrace classified as conotton gravelly loam. Ground Cover: Ryegrass and native weeds, mowed several times each season. Instrumentation: Taylor recording thermometer.

Landisville 2 NW - Monthly averages are obtained by taking the average of single daily observations at 6 a.m.

Slope of Ground: Gentle slope to the west. Soil Type: Duffield clay loam. Ground Cover: Permanent blue grass sod which is kept clipped to a height of 2 inches. Instrumentation: Weston Electric Soil Thermometer.

State College 2 - Monthly averages are obtained by taking the average of max and min values.

Slope of Ground: Gentle slope to the southeast. Soil Type: Hagerstown silt loam. Ground Cover: Kentucky blue grass kept clipped to a height of between 1 1/2 and 3 inches. Instrumentation: Copper-Constantan Thermocouple on recording Potentiometer.

### CHANGES IN STATION NAMES

| NEW NAME                | OLD NAME         | DATE          |
|-------------------------|------------------|---------------|
| APOLLO 2 W              | VANDERGRIFF      | March 1961    |
| MONTGOMERY LOCK AND DAM | MIDLAND DAM 7    | May 1961      |
| TOBYHANNA               | MOUNT POCONO 2 N | November 1961 |
| TOWANDA 1 ESE           | TOWANDA          | July 1961     |
| WEST GROVE 1 SE         | WEST GROVE 1 E   | November 1960 |

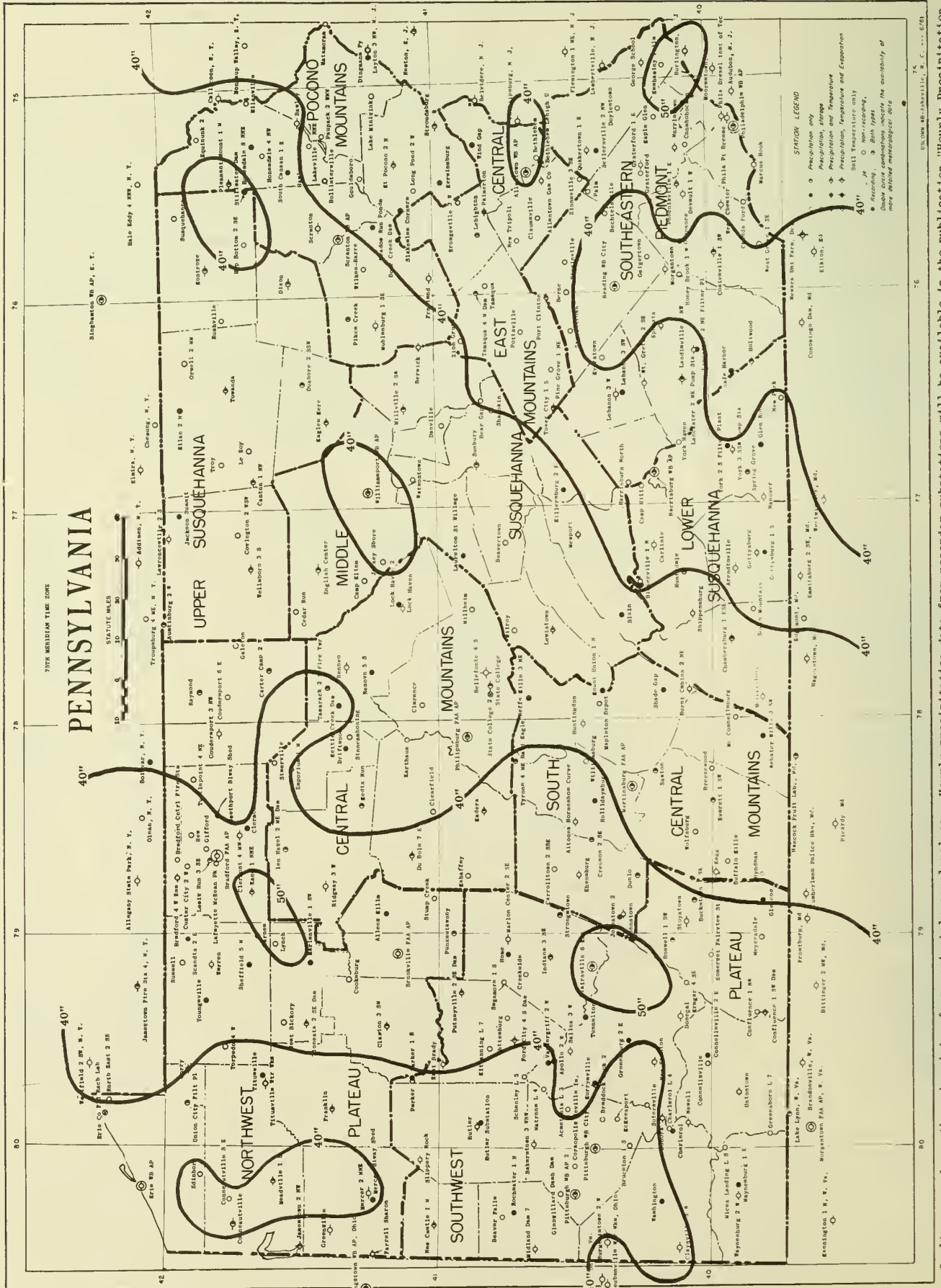
### RELOCATION AND CHANGES OF EQUIPMENT

|                       |   |                    |
|-----------------------|---|--------------------|
| AUSTINBURG 2 W        | Temperature equipment installed                           | July 7, 1961       |
| BROOKGREEN GARDENS    | All equipment moved 36 feet NE                            | June 16, 1961      |
| CLERMONT              | Rain gage removed   | January 1, 1961    |
| CONNEAUTVILLE         | All equipment moved 1.0 mile SSE                          | March 30, 1961     |
| CONNEAUTVILLE         | All equipment moved 0.2 mile N                            | September 26, 1961 |
| GALETON               | All equipment moved 0.5 mile ESE                          | April 27, 1961     |
| HUNTINGDON            | All equipment moved 0.3 mile SSW                          | January 6, 1961    |
| LE ROY                | All equipment moved 500 feet E                            | July 1, 1961       |
| MARION CENTER 2 SE    | Temperature equipment removed                             | January 1, 1961    |
| MEYERSDALE            | All equipment moved 0.3 mile WSW                          | October 24, 1961   |
| MIDLAND DAM 7         | All equipment moved 4.8 miles NE to Montgomery Lock & Dam | May 17, 1961       |
| MILAN 2 N             | All equipment moved 0.4 mile W                            | June 5, 1961       |
| MILAN 2 N             | All equipment moved 0.4 mile E                            | November 29, 1961  |
| MURRYSVILLE           | All equipment moved 0.5 mile NW                           | May 22, 1960       |
| RENOVO                | Temperature equipment installed                           | January 1, 1961    |
| STILLWATER DAM        | Recorder moved 3200 feet S                                | October 1, 1960    |
| STOYSTOWN             | Temperature and rain gage equipment moved 150 feet SE     | June 26, 1961      |
| TAMARACK 2 S FIRE TWR | Temperature equipment removed                             | February 1, 1961   |
| TOWANDA 1 ESE         | All equipment moved 0.9 mile SE                           | July 1, 1961       |
| VANDERGRIFF           | All equipment moved 1.8 miles S to Apollo 2 W             | March 23, 1961     |
| WEST GROVE 1 SE       | All equipment moved 0.4 mile S                            | November 1, 1960   |
| YOUNGSVILLE           | Recorder moved 225 feet WNW                               | June 30, 1961      |

See reference notes following Station Index

# TOTAL PRECIPITATION

PENNSYLVANIA  
1961

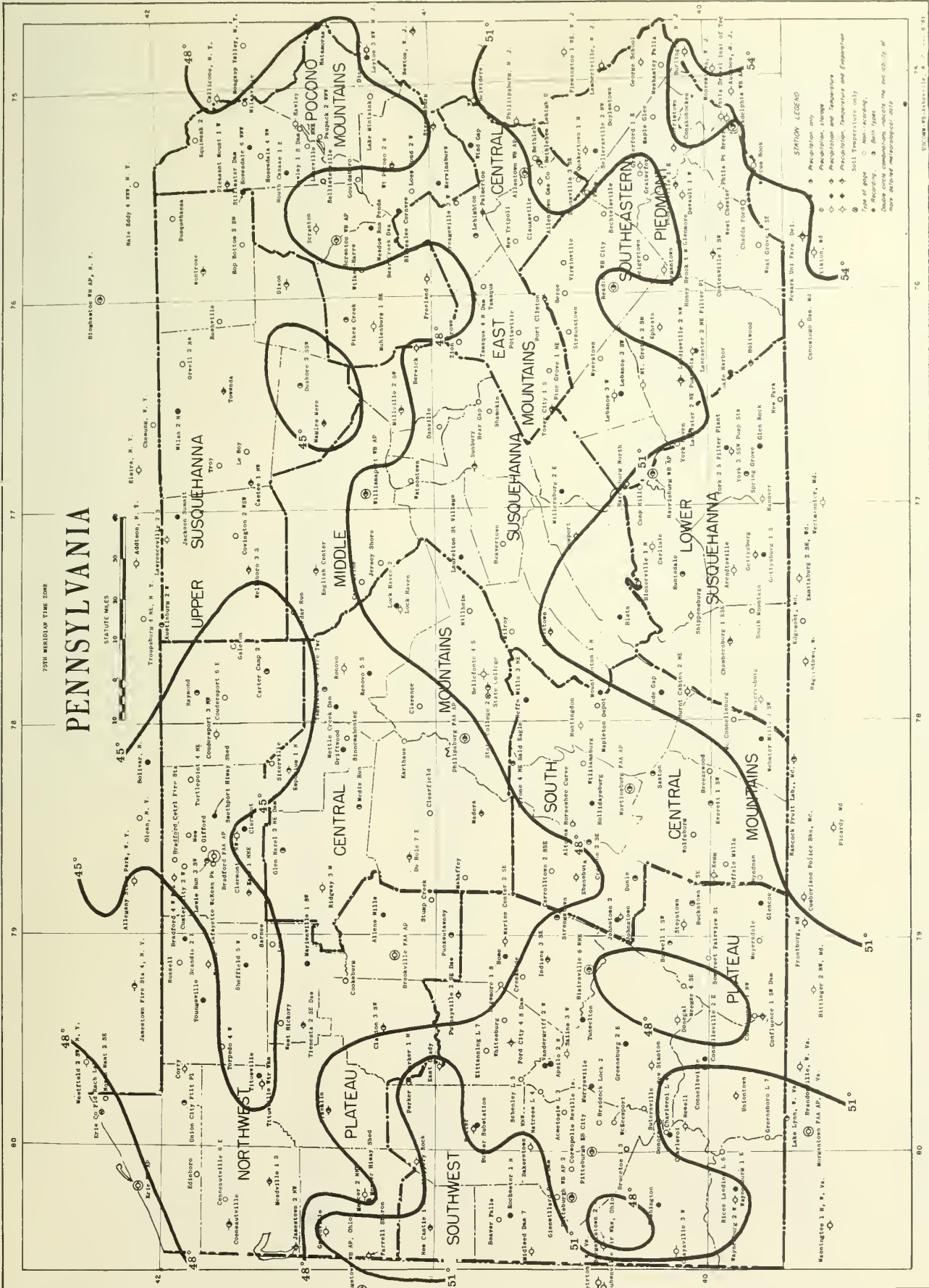


Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps in mountainous areas.



# AVERAGE TEMPERATURE

PENNSYLVANIA  
1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

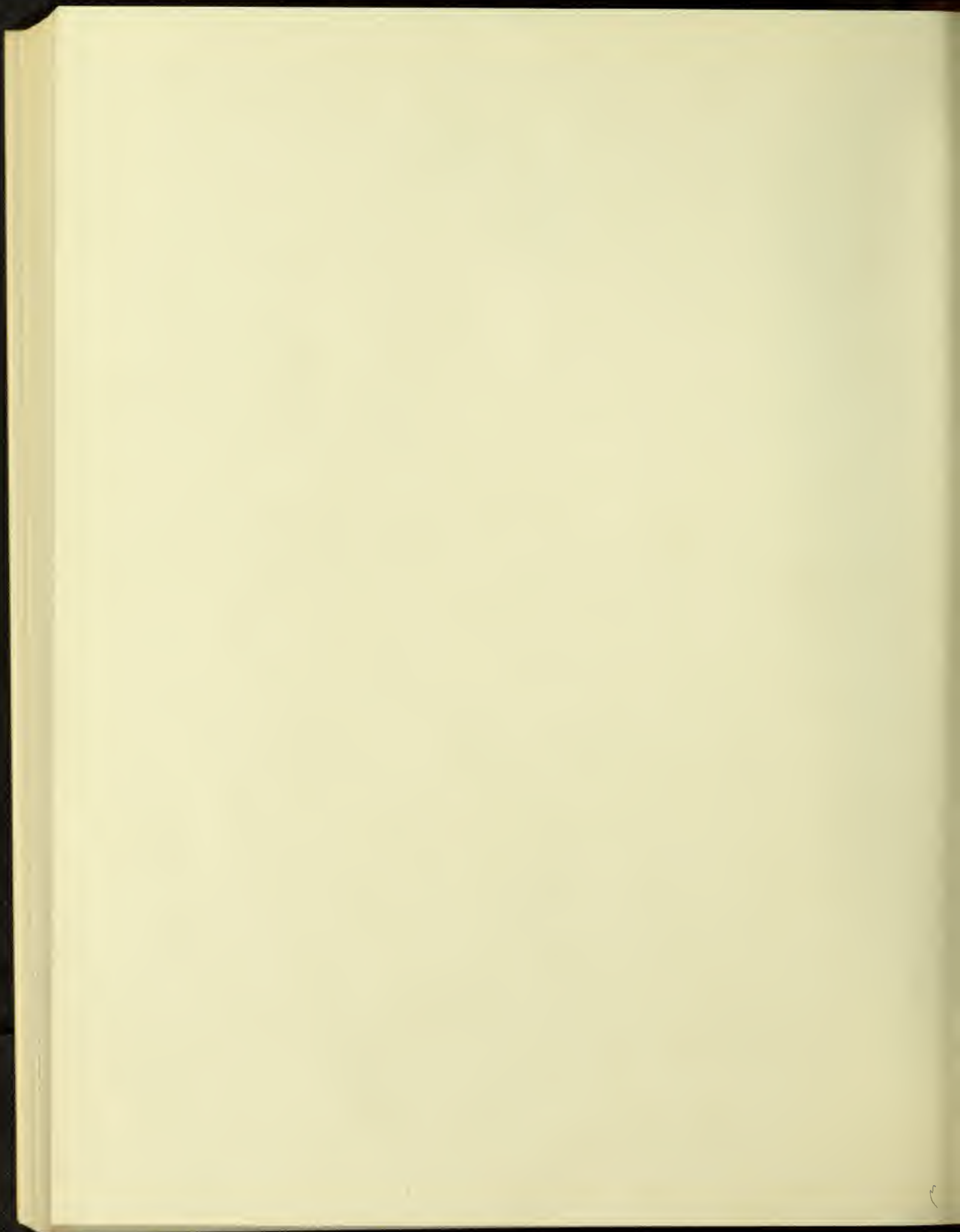
PENNSYLVANIA 1961

Table with columns for Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp, Precip, Evap, Years of record, Opened or closed during yr., Refer to tables, Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp, Precip, Evap, Years of record, Opened or closed during yr., Refer to tables. The table lists various weather stations across Pennsylvania with their respective coordinates and historical data.





















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