



LIBRARY
OF THE
UNIVERSITY
OF ILLINOIS

551.05
UNAR
1953-55

NATURAL
HISTORY

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.

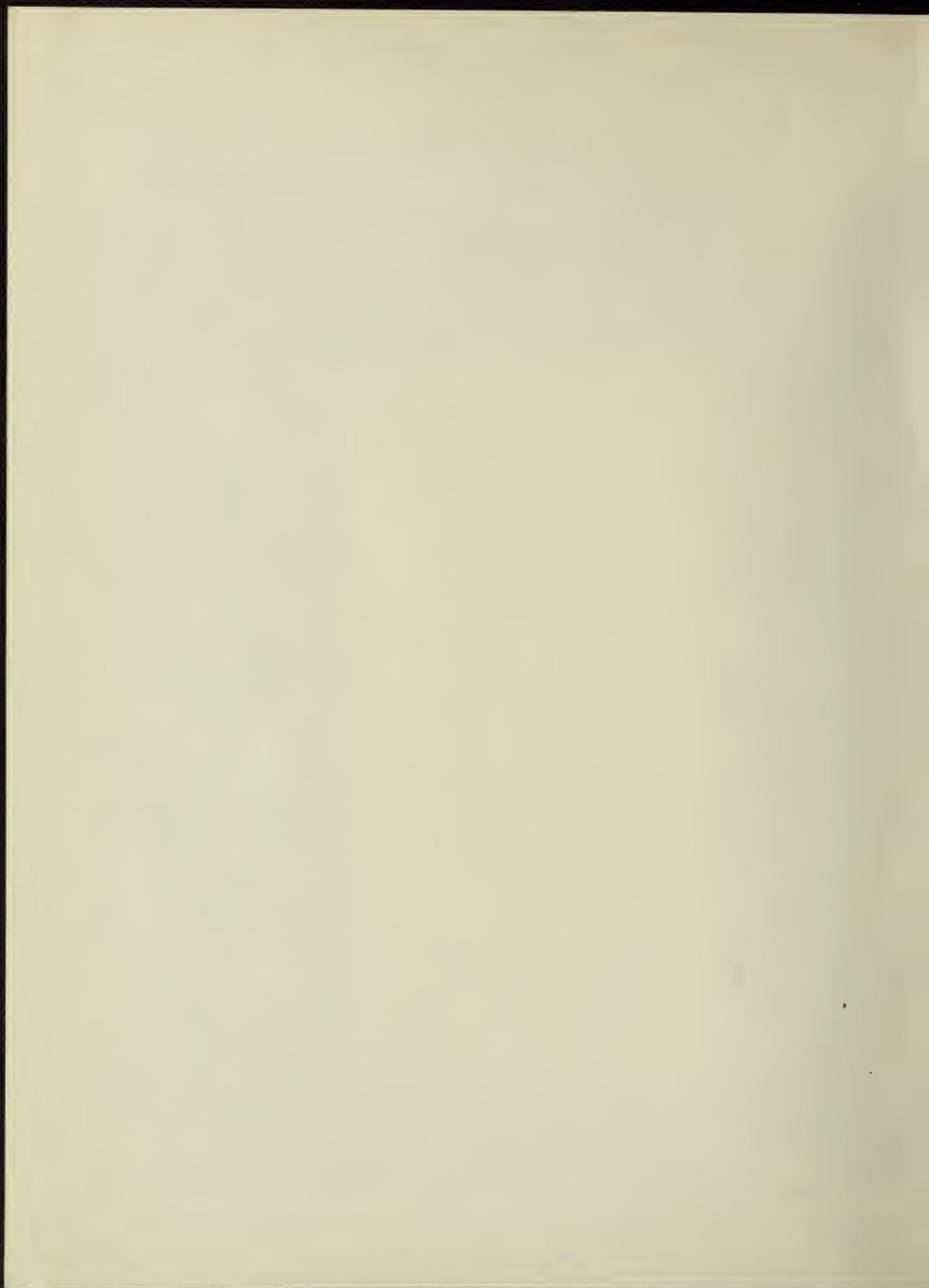
To renew call Telephone Center, 333-8400

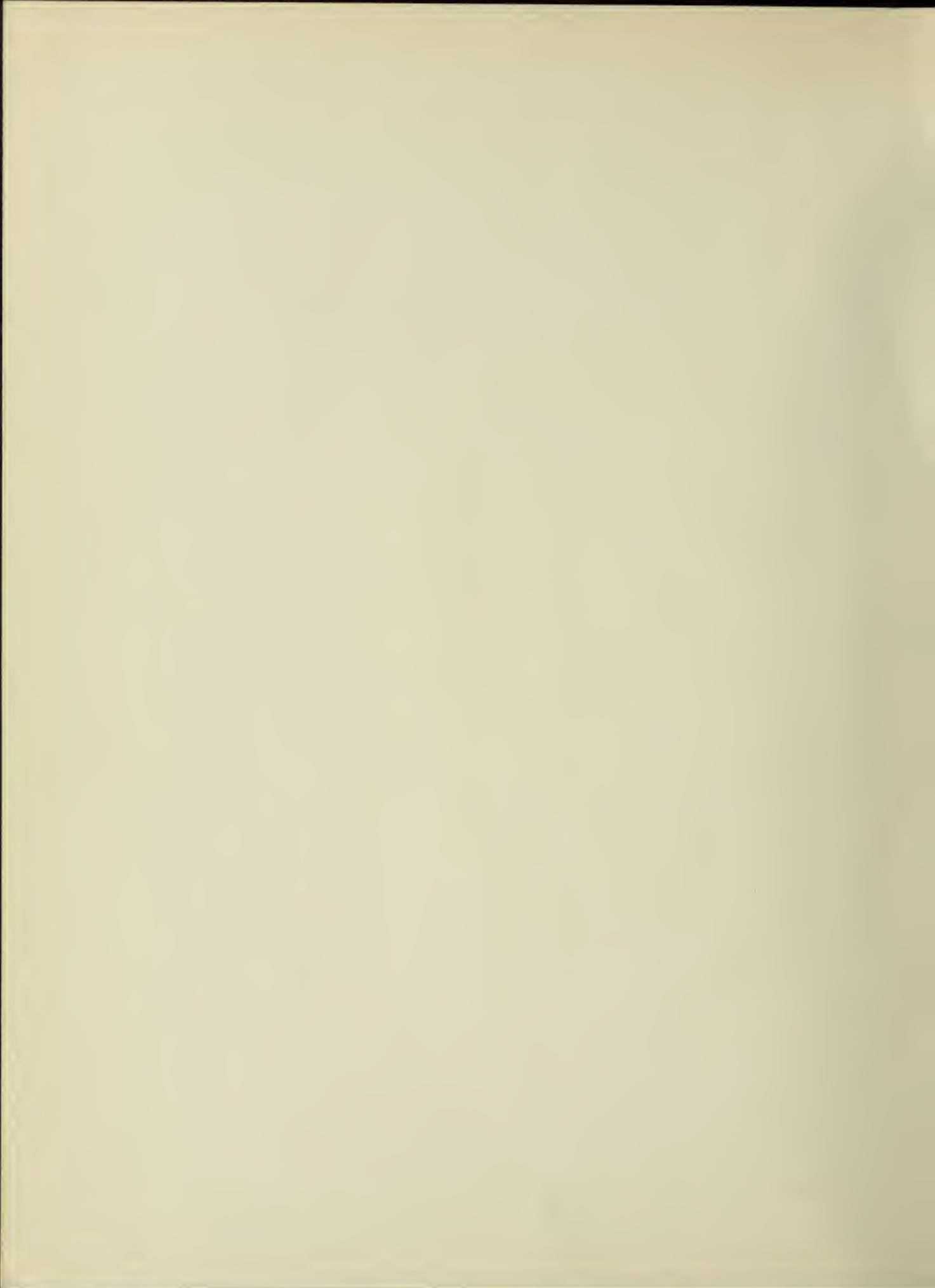
UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

JUN 7 1980

MAY 30 1980

L161—O-1096





551.05

~~Nat Hist.~~

UNAR

1.58'

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

JANUARY 1953

Volume LVIII No. 1

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty for non-payment
Permit No. 1024



Penalty for non-payment
to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

NAT. HIST.

MAR 25 1953

ARKANSAS - JANUARY 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The weather of January 1953 over Arkansas was favorable for all outdoor activities. Good progress was made with the preparation of seed beds and the usual winter chores.

The monthly mean temperature for the State was 45.2°, which is 4.0° above the normal. Monthly mean temperatures at individual stations ranged from 37.2° at Green Mountain to 51.3° at Monticello. The highest temperature recorded during the month was 77° at Hope on the 7th and Crossett on the 15th. The lowest temperature recorded was 7° at Bentonville and Gravette on the 16th. Temperatures fell to freezing, or lower, on an average of 16 days during the month.

The monthly average precipitation, for the State, was 3.66 inches, which is 0.78 below the normal, making this the driest January since 1948. Monthly totals at the various stations over the State ranged from 1.01 at Siloam Springs to 7.97 inches at Crystal Valley. The heaviest daily precipitation amount reported was 3.75 inches at Clinton on the 23rd. There was an average of 6 days during the month with 0.01 inch, or more, of precipitation. The average monthly snowfall was 0.3 inch. The greatest monthly snowfall was 3.0 inches at Waldron, while numerous stations had no snow during the month.

The principal agricultural activity during the month was plowing and the preparation of seed beds for spring planting. This work generally progressed rapidly under almost ideal weather conditions.

The pulling of bolls and picking remnant cotton continued during most of the month. Good progress was made in pruning fruit trees. Other farm work included fencing, cutting wood, clearing ground, hauling fertilizer, building ponds, building dikes on rice land and other winter chores.

As the month opened, soil moisture was again becoming low in some areas, and water shortages were reported from many localities. This situation was generally alleviated somewhat during the last two weeks.

Winter grains and cover crops made slow growth during the first half of the month but made good progress during the latter half. Pastures and meadows generally continued fair to good the first two weeks and made a considerable gain during the last two weeks. Livestock generally fared well during the month.

STORMS

At 8:15 p.m. of the 7th, a tornado, traveling from west-southwest to east-northeast skipped frequently over a path about 4 miles in length in the Macedonia area, in Lee Township of Cleveland County. Two persons were injured. Several houses were damaged, two extensively. Two barns and several outbuildings were destroyed. Trees and debris lay crosswise of the path and in all other directions. Very light and small hail was reported. Total monetary loss was estimated at \$2,950 with no crop damage reported.

FLOODS

General rains with storm totals averaging near two inches fell on the watershed of the Ouachita River on January 22-23, 1953, causing sharp rises on the stream. The River reached a crest of 17.5 feet at Arkadelphia at 7:00 a.m. of the 24th and 26.0 feet at Camden at 4:00 p.m. of the 26th. No damage resulted from this flooding.--JFR

551 05
UNAR
1953-55

SUPPLEMENTAL DATA

ARKANSAS
JANUARY 1953

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	12:30a CST	6:30a CST	12:30p CST	6:30p CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
Fort Smith WB Airport	W	27	9.6	30	NW	15	80	85	63	67	3	0	1	3	0	0	7	47	3.6
Little Rock WB Airport	WNW	13	10.6	36	NW	24	78	83	67	70	2	1	3	1	2	1	10	39	6.9
Texarkana WB Airport	S	19	11.6	-	-	-	76	84	64	69	1	2	3	1	1	1	9	-	5.6

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	41.6	71	13	5.34	-	10	1916	44.3	82	-6	9.39	0.5	12	1941	43.6	76	5	3.43	0.3	9
1892	34.7	74	-14	2.48	3.0	6	1917	44.0	82	-4	3.66	3.8	7	1942	38.1	83	-21	3.20	4.4	7
1893	38.5	80	-13	1.13	5.6	2	1918	27.3	80	-23	4.39	17.6	8	1943	41.8	87	-9	1.00	1.2	3
1894	43.5	77	-22	3.63	1.3	7	1919	41.4	75	-3	3.00	0.4	6	1944	42.2	82	-15	2.50	6.5	6
1895	36.9	78	-5	5.19	7.0	8	1920	39.6	82	11	6.49	0.8	8	1945	40.2	80	7	2.37	1.8	8
1896	41.4	78	4	4.09	1.0	8	1921	46.9	85	6	2.07	2.1	6	1946	41.1	78	5	7.50	1.7	12
1897	38.9	76	-2	6.78	1.0	8	1922	39.1	74	4	2.63	1.0	7	1947	42.5	81	-4	2.33	0.9	9
1898	45.5	81	-10	7.93	T	9	1923	48.6	80	15	5.78	0.1	9	1948	33.5	77	-7	3.32	5.0	7
1899	39.3	75	-9	5.91	2.3	7	1924	36.1	79	-6	3.19	0.4	7	1949	42.0	82	-3	10.16	3.1	14
1900	43.4	78	1	2.89	0.2	7	1925	40.8	76	-4	2.68	1.3	8	1950	37.2	87	6	9.63	0.7	16
1901	45.6	78	7	2.21	T	5	1926	40.5	77	-17	4.69	2.5	7	1951	41.5	80	-2	5.43	2.4	9
1902	38.0	79	2	4.13	1.8	8	1927	42.6	79	-1	5.41	0.1	10	1952	47.3	82	10	3.86	T	7
1903	40.2	80	7	2.60	0.2	6	1928	42.7	90	-10	2.05	0.2	5	1953	45.2	77	7	3.66	0.3	6
1904	38.9	75	-5	3.81	1.5	6	1929	39.4	79	2	5.08	0.1	10							
1905	33.3	73	13	4.58	3.6	6	1930	33.8	74	-28	9.16	5.0	12	All Years	41.3			4.43	2.0	
1906	43.1	82	-2	5.19	2.0	6	1931	42.3	76	0	1.14	0.4	5							
1907	49.2	82	-8	5.80	0.8	11	1932	46.2	80	11	9.67	T	11							
1908	41.7	78	6	3.75	1.5	7	1933	48.8	81	11	3.67	T	9							
1909	43.8	82	-19	1.79	2.4	6	1934	44.5	78	2	2.85	0.1	8							
1910	41.8	78	-7	2.59	4.3	6	1935	43.6	86	-11	5.79	0.9	6							
1911	47.6	86	-9	1.02	0.2	6	1936	37.1	83	-1	1.05	3.5	5							
1912	34.3	79	-16	3.01	1.9	6	1937	41.9	80	9	12.61	0.7	17							
1913	44.0	78	-1	8.45	0.1	10	1938	42.5	81	4	6.48	T	7							
1914	46.6	82	-7	1.57	1.5	4	1939	45.5	83	12	6.21	0.5	10							
1915	39.3	74	-3	4.38	2.3	8	1940	28.0	74	-14	1.56	5.9	7							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature												Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
									°4 or Above	°3 or Below	°2 or Below	°1 or Below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
	°4 or Above	°3 or Below	°2 or Below	°1 or Below	Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More								
Alum Fork	58.1	33.8	46.0M	5.4	71	25	22	12	580	0	0	16	0	3.45	-.13	1.20	23	.0	0	5	3	2
Arkadelphia	61.6	36.1	43.9M	5.1	76	26	27	1+	490	0	0	15	0	4.74	.11	1.34	31	.0	0	8	3	2
Ashdown	59.4	34.4	46.9M	74	27	26	1+	557	0	0	19	0	3.81		1.67	22	.0	0	7	3	1	
Bald Knob	57.8	33.2	45.5M	69	26	22	16	595	0	0	18	0	5.22		1.38	23	.0	0	5	4	4	
Batesville Livestock	53.8	31.0	42.4	73	27	19	16+	680	0	1	22	0	4.20		1.61	23	.0	0	6	3	1	
Batesville L & D 1	56.5	33.6	45.1M		70	26			618	0	0	0					.0	0				
Bee Branch																						
Benton	58.9	34.2	46.6M	7.0	72	26	25	5+	557	0	0	17	0	5.07		1.96	23	.0	0	8	5	1
Bentonville	51.9	29.2	40.6	4.0	71	26	7	16	752	0	2	25	0	1.71	-.96	1.02	23	.0	1	17+	4	1
Blytheville	53.6	34.8	44.2M	4.3	70	15+			680	0	0	0	3.20	-2.23	1.04	8	.0	0	8	3	1	
Booneville	57.2	33.3	45.3		75	26	17	16	605	0	1	17	0	2.75		1.03	17	.0	1	17+	4	3
Brinkley	58.8	33.1	46.0	4.0	72	26	22	4+	584	0	0	15	0	3.64	-1.56	1.40	31	.0	0	6	3	2
Camden 1	60.0	34.3	47.2	2.7	76	27	26	12+	607	0	1	18	0	4.81	-.08	2.03	23	.0	0	8	3	2
Camp Chaffee	56.6	29.7	43.2	73	14+	16	16	667	0	1	21	0	2.02		.96	23	.6	1	17	4	2	0
Conway	58.3	35.8	47.1	5.1	74	26	24	16	548	0	0	13	0	5.92	1.51	2.08	23	.0	0	10	4	2
Corning	50.0	32.9	41.5	3.5	69	27	21	16	440	0	1	18	0	3.45	-.88	.99	8	.0	0	8	4	0
Crossett	64.2	37.3	50.8	5.9	77	15	24	18	440	0	0	12	0	3.60	-1.98	1.58	23	.0	0	8	3	1
Cummins Farm	56.9	34.8	45.9	70	7	26	12+	586	0	0	15	0	3.18		1.55	23	.0	0	6	3	1	
Dardanelle	57.7	34.9	46.3	5.1	74	26	23	16	570	0	0	14	0	3.24	-.32	1.29	23	.0	0	6	3	2
De Queen	60.1	35.2	47.7	4.5	76	26	26	3	532	0	0	15	0	3.28	-.44	.90	17	T	0	6	3	0

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JANUARY 1953

Table 5 - 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		
STUTT GART	MAX	59	51	49	51	54	71	69	66	54	50	58	59	65	69	70	68	41	50	59	59	51	59	58	55	64	73	70	67	65	59	55	59.6
	MIN	34	41	31	30	32	36	45	40	34	38	35	30	37	51	55	28	28	30	38	40	38	37	42	34	30	46	53	35	32	39	48	38.0
STUTT GART RESE	MAX	54	59	56	50	51	53	66	65			51	57	58	64	67	70	38	41	53	58	59	45	60	59	52	61	71	69	56	64	54	57.3
	MIN	34	35	31	28			33	43	37	33	35	33	29	30	40	56	30	28	30	31	40	34	37	38	33	29	34	51	35	32	35	44
SURIACO	MAX	59	56	50	54	68	59	52	42	56	55	60	68	63	70	70	40	31	43	57	54	58	50	51	55	63	73	70	63	66	61	67	57.5
	MIN	29	35	25	29	32	42	27	27	27	37	30	27	41	51	36	17	20	26	31	35	34	38	37	32	32	44	45	35	30	37	42	33.1
TEXARKANA WRA AP	MAX	61	52	51	58	65	73	71	49	49	61	65	65	66	71	65	37	33	61	68	60	57	52	52	60	71	75	74	60	65	59	65	60.2
	MIN	34	38	37	36	34	47	49	37	33	30	37	40	47	55	32	24	28	31	42	37	32	34	37	33	34	53	48	39	35	48	48	38.3
TURNPIKE	MAX	49	48	41	45	49	56	56	50	41	54	52	55	53	55	58	28	31	37	54	49	49	47	46	44	57	65	60	57	56	57	58	50.1
	MIN	35	30	24	32	31	33	41	29	24	28	35	39	42	49	28	17	11	22	35	37	28	32	31	27	28	30	39	42	47	37.8	37.8	
WALORON	MAX	59	56	50	54	57	63	68	55	43	57	57	65	64	67	70	37	37	47	61	60	60	55	50	54	68	74	71	65	64	61	65	58.7
	MIN	25	26	27	26	28	34	42	27	30	28	23	24	48	48	37	16	21	28	24	32	32	34	33	32	26	44	40	28	25	34	47	31.9
WALNUT RIDGE CAA AP	MAX	53	48	43	40	48	57	48	44	37	51	52	56	62	62	65	30	40	41	55	45	40	46	57	51	53	69	60	52	60	51	60	50.9
	MIN	27	33	24	26	29	30	35	33	33	35	31	27	39	53	30	21	28	30	31	39	37	40	36	32	28	43	40	32	31	47	43	33.6
WARREN	MAX	61						72			52	60	61	64	70	73	73	64	63	57	65	61	57	67	74	73	68	65	58	58	63.1	63.1	
	MIN	34									37	31	27	40	52	56	56	29	28	29	42	46	31	34	38	32	31	50	56	36	29	43	39.0
WHITE ROCK	MAX	50	47	45	50	52	57	51	51	40	57	55	59	57	61	57	27	33	41	56	51	50	46	47	45	56	66	60	55	56	51	60	51.3
	MIN	35	27	22	30	30	36	44	30	24	25	35	39	42	49	26	22	24	23	40	31	28	31	27	25	33	49	50	30	36	43	41	33.1
WILSON	MAX	46	52	43	43	50	55	65	60	35	46	48	55	65	65	70	30	40	50	60	50	44	54	50	49	55	70	62	61	60	53	56	53.7
	MIN																																
WYNNE	MAX	57	53	46	44	48	63	65	65	43	46	52	55	62	64	67	65	39	51	54	50	47	55	60	51	57	70	65	61	61	57	60	55.9
	MIN	33	40	30	25	26	36	44	39	36	35	31	27	40	53	57	26	28	30	40	43	37	40	49	33	27	45	51	33	33	42	47	37.3

EVAPORATION AND WIND

Table 6

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	31		
HOPE	EVAP	.12	—	.14	*	.16	.06	.08	.04	—	.06	*	.14	.13	.04	.05	—	—	.00	.06	.06	.06	—	.11	*	.18	.17	.04	.08	.11	—	2.448	
	WIND	14	73	70	*	.16	.19	.83	*	50	70	*	.14	.28	.59	.59	*	96	18	10	15	40	17	63	65	*	.80	.60	.68	.12	20	10	1209
NARROWS OAM	EVAP	* .12	*	*	.18	.08	.07	.04	.02	*	.10	*	.20	.06	.04	.08	*	*	.10	.01	.07	.04	—	*	*	.16	.08	.08	.12	.11	.15	1.978	
	WIND	12	63	89	40	.46	.22	.59	.32	.27	67	22	20	.34	.80	.81	.44	16	19	50	59	43	29	38	46	32	.23	.28	.43	.23	.31	.23	1241
RUSSELLVILLE	EVAP	.04	.04	.02	.05	.04	.06	.05	.05	.03	.03	.08	.04	.04	.02	.11	.04	—	.02	.01	.01	.05	.05	—	.07	.10	.04	.06	.08	.06	.06	.02	1.468
	WIND	19	56	45	17	5	12	8	25	40	40	26	12	15	20	61	28	6	9	5	23	24	50	37	50	26	1	11	46	14	1	10	742
STUTT GART	EVAP	.07	.04	*	*	.14	.12	—	.08	.05	*	*	.13	.08	.12	.14	—	—	—	.14	—	.01	—	.07	*	.14	.07	.12	*	.09	.10	2.128	
	WIND	70	60	160	50	10	40	120	100	40	70	40	10	80	110	110	90	50	70	50	20	40	30	70	140	70	70	100	70	20	60	10	2030

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windsfield.
- B Adjusted to a full month.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 3-16-53 -- 1110

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

Table 7

 ARKANSAS
 JANUARY 1952

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							
CALICO ROCK	SNOWFALL SN ON GND																	T																					
DANVILLE	SNOWFALL SN ON GND																0.3	T																					
DE QUEEN	SNOWFALL SN ON GND															T								T															
EUREKA SPRINGS	SNOWFALL SN ON GND																D.5	-						2.0															
FAYETTEVILLE EXP STA	SNOWFALL SN ON GND		T													T	D.8	T					0.5	T															
FORT SMITH WB AP	SNOWFALL SN ON GND															0.6	1	1					T																
GILBERT	SNOWFALL SN ON GND																D.6																						
GRAVETTE	SNOWFALL SN ON GND																-	-	-					-	-	-													
JONESBORO	SNOWFALL SN ON GND																																						
LITTLE ROCK WB AP	SNOWFALL SN ON GND																T	T						T															
MENA	SNOWFALL SN ON GND																T	D.5								T													
OZARK	SNOWFALL SN ON GND																-	1	-	-																			
POCAHONTAS 1	SNOWFALL SN ON GND																T							T															
PRESCOTT	SNOWFALL SN ON GND																T	T																					
ROGERS	SNOWFALL SN ON GND																0.5	-	-	T				2.1	T														
TEXARKANA WB AP	SNOWFALL SN ON GND																							T															
WALDRON	SNOWFALL SN ON GND																3.0	T							T														

See reference notes following Station Index.

51.05
UNAR
V. 58²

Nat. Hist

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

RECEIVED
FEB 12 1953
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

FEBRUARY 1953
Volume LVIII No. 2

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Permit No. 1024



Tenalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

NAT.
HIST.

ARKANSAS - FEBRUARY 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Dry and relatively warm weather prevailed over Arkansas during February 1953. In general, the month's weather was favorable for agriculture and all outdoor activity.

The monthly average precipitation for the State was 3.08 inches, which is 0.51 inch below normal, making this the driest February since 1947. Monthly totals ranged from 0.92 inch at Siloam Springs to 8.21 inches at Portland. The greatest daily amount reported was 3.40 inches at Cummins Farm on the 11th. The only measurable snowfall reported was 0.4 inch at Siloam Springs on the 24th and 0.1 inch at Fayetteville on the 20th and again on the 24th. Several stations reported flurries too light to measure. There was an average of 7 days during the month with 0.01 inch or more of precipitation.

The monthly mean temperature for the State was 45.8°, which is 2.1° above the normal. Monthly mean temperatures at the various stations ranged from 40.6° at Mount Magazine to 49.9° at Monticello. The highest temperature recorded was 79° at Arkadelphia and at Mount Ida on the 27th. The lowest temperature recorded was 9° at Mount Magazine on the 21st. There was an average of 12 days on which the temperature fell to freezing or lower.

The most important farm activity during the month was plowing and the preparation of the soil for spring planting. Except for brief intervals, the month's weather was nearly ideal for such work. Good to excellent progress was reported from all sections. Considerable rice land was cleared.

Spring gardening began in the southeast portion of the State during the first week, spread over the southern portion during the second week, into the entire State during the remaining weeks and was in full swing by the close. Some potatoes were planted during the latter half of the month. A considerable amount of spring oats and lespedeza were planted.

Cover crops made excellent progress, and pastures and meadows greened. Pastures afforded some grazing during the latter half of the month. As a result, livestock showed some improvement.

Under the influence of warm, sunny weather early in the month, buds began to swell. There was considerable apprehension for fruit, but cooler weather, beginning during the second week, held fruit bud development in check.

The month's weather was very favorable for the usual late winter and early spring chores, such as cutting stalks, building fences, butchering, hauling fertilizer, etc. There was some pruning and spraying of fruit trees, especially early in the month.

STORMS

At 8:45 p.m. of the 11th, lightning ignited three oil storage tanks near El Dorado. The tanks and 3,000 barrels of crude oil were destroyed. No estimate of monetary loss is available. At 9:00 a.m. of the 20th, lightning struck another storage tank near El Dorado. The resulting fire destroyed the tank, accessories and stored oil. Monetary loss was estimated at \$175,000.

A definite funnel-shaped cloud, moving from southwest to northeast dipped to ground briefly in the southeast part of the town of Hazen at 10:15 a.m. of the 20th. Principal damage was to roofs and small buildings. Some trees were uprooted. Total monetary loss was estimated at \$1,000.

FLOODS

No flooding occurred on the streams in Arkansas during February 1953.--JFR

SUPPLEMENTAL DATA

ARKANSAS
FEBRUARY 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH W8 AIRPORT	W	20	8.7	27	SW	18+	74	82	54	54	1	4	2	2	0	0	9	58	5.0
LITTLE ROCK W8 AIRPORT	WNW	13	9.1	35	W	20	75	81	58	61	4	1	2	1	0	10	57	5.5	
TEXARKANA W8 AIRPORT	WNW	13	8.7	-	-	-	78	84	58	63	2	2	7	0	0	11	-	5.8	

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	46.5	80	6	2.92	-	8	1916	43.4	82	-6	1.78	1.3	5	1941	40.8	72	-7	2.92	3.4	8
1892	49.0	78	18	3.47	T	7	1917	43.4	89	-4	1.93	1.1	4	1942	41.2	81	-2	2.97	1.4	8
1893	42.4	74	2	4.05	0.8	8	1918	46.9	93	4	1.17	0.4	4	1943	47.5	83	7	1.00	0.4	3
1894	40.5	75	0	6.32	2.5	8	1919	44.1	80	-10	3.34	2.5	8	1944	48.2	87	4	7.34	2.5	12
1895	33.5	78	-17	0.71	2.0	4	1920	45.0	79	-2	1.26	1.0	5	1945	44.1	88	12	7.86	1.0	11
1896	45.2	79	11	3.30	0.5	6	1921	48.3	85	-3	3.59	9.8	6	1946	47.6	78	11	5.05	2.6	9
1897	46.6	89	7	2.59	0.7	4	1922	47.8	84	10	4.89	1.3	8	1947	37.2	80	1	0.78	1.8	3
1898	45.8	82	7	2.08	T	5	1923	41.9	80	5	4.66	1.9	8	1948	41.5	82	-8	6.08	1.8	13
1899	31.8	75	-25	2.18	2.7	6	1924	42.9	82	-7	2.26	0.4	7	1949	46.0	83	-3	3.98	T	8
1900	39.7	74	-5	5.06	1.2	8	1925	49.3	83	12	3.37	0.5	6	1950	46.4	85	12	6.22	0.2	8
1901	40.8	79	10	2.18	1.6	6	1926	48.5	88	10	2.02	0.3	4	1951	44.3	82	-24	5.32	2.5	9
1902	35.0	72	-2	2.60	3.2	5	1927	52.1	90	9	2.62	1.5	8	1952	48.4	84	2	3.63	2.9	10
1903	41.0	79	-12	7.63	2.7	10	1928	45.0	79	10	2.23	0.6	7	1953	45.8	79	9	3.08	T	7
1904	44.9	86	10	2.47	0.8	5	1929	35.4	76	-20	4.01	8.8	10							
1905	32.3	82	-29	2.55	7.1	7	1930	52.2	86	16	3.92	0.0	6							
1906	41.8	75	-7	2.21	1.6	6	1931	48.2	75	14	4.77	T	8	All Years	43.2			3.61	1.7	
1907	44.9	83	4	2.77	0.5	6	1932	52.0	86	9	4.72	T	9							
1908	44.2	78	0	5.26	0.4	9	1933	41.5	82	-13	3.53	2.4	10							
1909	47.3	82	5	5.41	0.9	8	1934	41.5	82	-3	2.00	0.5	6							
1910	39.0	75	-13	3.66	5.9	7	1935	45.8	87	8	2.44	T	6							
1911	49.8	87	7	4.31	0.3	9	1936	36.5	89	-15	1.70	2.4	7							
1912	37.9	78	-7	2.80	4.5	6	1937	44.2	84	12	2.11	0.2	6							
1913	41.0	82	5	3.74	1.8	8	1938	50.9	87	8	6.08	0.1	7							
1914	40.4	79	-2	4.23	0.9	7	1939	43.6	76	4	8.56	3.2	12							
1915	45.9	76	11	4.47	1.3	8	1940	41.9	88	10	3.31	3.2	10							

CLIMATOLOGICAL DATA

ARKANSAS
FEBRUARY 1953

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										91° or Above	31° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
ALUM FORK	59.6	34.2	46.9	2.1	77	28	20	22	499	0	0	11	0	4.82	-1.29	1.50	20	.0	0	0	5	3	3
ARKADELPHIA	62.7	34.8	48.8	2.9	79	27	21	22	447	0	0	11	0	2.85	-1.97	.97	19	.0	0	0	6	3	0
ASHDOWN	61.4	34.6	48.0		76	27	18	22	470	0	0	11	0	1.98		.45	11	.0	0	0	7	0	0
BALD KNOB	57.2	34.6	45.9		72	27	21	22	531	0	0	12	0	4.50		1.90	20	.0	0	0	5	3	2
BATESVILLE LIVESTOCK	57.3	30.1	43.7		74	28	14	22		0	0	18	0	1.01		.73	11	.0	0	0	6	1	0
BATESVILLE L D 1	57.6	31.3	44.5		72	27	15	22	567	0	0	17	0	2.35	-1.11	1.06	20	.0	0	0	7	2	2
BEE BRANCH																							
BENTON	59.1	32.5	45.8	2.7	74	27	19	22	528	0	0	16	0	4.55		1.61	20	.0	0	0	10	2	2
BENTONVILLE	55.5	30.3	42.9	3.1	67	4	13	21	615	0	0	18	0	1.02	-1.25	.45	11	T	0	0	7	0	0
BLTYHEVILLE	56.2	35.6	45.9M	2.5	70	27	22	21	528	0	0	0	0	4.66	1.40	2.10	11	.0	0	0	9	2	2
BOONEVILLE	59.3	33.6	46.5		76	27	16	22	512	0	0	13	0	2.08		1.10	20	T	0	0	8	2	1
BRINKLEY	57.5	32.4	45.0		75	27	18	22	552	0	0	14	0	5.74	1.54	2.60	11	.0	0	0	9	3	2
CAMDEN 1	60.9	33.0	47.0	-1.8	74	4	21	22		0	0	15	0	3.18	-1.80	1.00	11	.0	0	0	10	2	1
CAMP CHAFFEE	59.5	31.6	45.6		75	27	16	22	537	0	0	16	0	1.66		.84	11	T	0	0	6	1	0
CONWAY	58.9	34.6	46.8	2.1	76	27	20	22	504	0	0	11	0	2.64	-1.15	1.02	11	.0	0	0	6	2	1
CORNING	53.9	33.3	43.6	3.4	70	28	20	22		0	0	13	0	2.81	-1.62	1.03	20	.0	0	0	6	2	2
CROSSETT	62.4	35.0	48.7	1.1	78	27	24	17+	449	0	0	13	0	5.92	2.17	1.63	11	.0	0	0	9	4	4
CUMMINS FARM	56.2	34.3	45.3		71	27	25	17+	547	0	0	12	0	5.60		3.40	11	.0	0	0	6	3	1
DARDANELLE	59.0	34.4	46.7	1.8	75	27	19	22	508	0	0	9	0	1.81	-1.35	.81	11	.0	0	0	7	2	0
DE QUEEN	60.9	33.3	47.1	-1.8	74	3	17	22	497	0	0	13	0	1.85	-2.44	.98	11	T	0	0	6	1	0

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
FEBRUARY 1953

TABLE 2 - CONTINUED

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										90° or Above	80° or Above	70° or Above	60° or Above					Total	Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
DES ARC	57.3	31.6	44.5		75	28	19	22		0	0	17	0	4.28		1.74	11	.0	0		9	3	2	
DEVILS KNOB	53.2	32.6	42.9M		73	27	11	21	612	0	0	12	0	2.41		1.11	11	.0	0		6	2	1	
DUMAS 1	58.9	36.8	47.9	.0	76	27	26	17+	474	0	0	7	0	5.52	1.41	2.00	11	T	0		8	5	2	
EL DORADO CAA AP	60.9	35.5	48.2	-1.1	76	27	24	22	465	0	0	10	0	6.25	2.02	2.37	11	.0	0		9	5	1	
EUREKA SPRINGS	55.6	33.8	44.7	3.6	65	2+	14	21	561	0	0	12	0	1.23	-1.45	.40	20	.0	0		4	0	0	
FAYETTEVILLE	55.6	32.3	44.0		67	4+	15	21	583	0	0	15	0	1.17		.60	20	.2	0		4	1	0	
FAYETTEVILLE CAA AP	55.4	29.1	42.3		67	3+	13	22	629	0	0	19	0	1.13		.50	20	T	0		4	1	0	
FAYETTEVILLE EXP STA	55.0	31.9	43.5	3.1	66	4	14	21	597	0	0	18	0	1.08	-1.35	.54	20	T	0		5	1	0	
FLIPPIN CAA AP	55.6	30.0	42.8		67	27	14	22	615	0	0	16	0	1.48		.70	10	.0	0		5	2	0	
FORDYCE	60.4	36.3	48.4	.2	76	27	21	22	457	0	0	8	0	3.41	-1.05	1.45	11	.0	0		8	2	1	
FORT SMITH WB AP	R //	57.5	32.6	45.1	.5	73	27	18	22	554	0	0	14	0	2.14	-.90	.86	10	T	0		8	2	0
GILBERT		57.3	31.6	44.5		72	28	16	23	612	0	0	19	0	1.61	-1.28	.67	11	.0	0		9	1	0
GRANNIS		58.7	34.5	46.6	1.5	74	27	20	21	506	0	0	10	0	3.08	-1.16	1.60	11	T	0		8	2	1
GRAVETTE		55.8	29.3	42.6M	3.6	69	4	12	22	619	0	0	18	0	1.03	-1.17	.41	10	T	0		5	0	0
GREEN MOUNTAIN											0	0	0	2.04		1.18	20	.0	0		4	1	1	
HARRISON		56.9	31.4	44.2	4.7	68	2	15	22	578	0	0	14	0	1.65	-1.01	.77	20	.0	0		6	2	0
HELENA		57.2	38.0	47.6	2.7	75	27	24	17	480	0	0	4	0	6.97	2.47	2.01	11	.0	0		10	5	2
HOPE		62.0	34.6	48.3M	1.0	78	28	24	22		0	0	11	0	1.83	-2.24	.51	11	.0	0		8	1	0
HOT SPRINGS		60.0	36.3	48.2	1.4	76	27	23	21	466	0	0	7	0	3.26	-.43	1.22	11	.0	0		7	3	1
JONESBORO		55.5	34.9	45.2	2.4	69	27	21	22	546	0	0	10	0	5.22	1.44	2.13	11	.0	0		9	4	2
KEO		58.3	35.8	47.1		78	27	23	22	495	0	0	8	0	4.93	-2.08	2.12	11	.0	0		7	4	1
LEAD HILL		57.0	29.0	43.0	4.4	68	2+	11	22	612	0	0	20	0	1.03	-2.08	.55	20	.0	0		3	1	0
LITTLE ROCK WB AP	R //	56.8	36.4	46.6	1.0	76	27	25	22	508	0	0	5	0	3.29	-.77	1.30	10	.0	0		6	3	1
LUTHERVILLE																								
MAGNOLIA 3 N		61.2	36.7	49.0	-1.7	77	27	24	22	441	0	0	11	0	3.28	-.71	.86	19	.0	0		9	2	0
MALVERN		61.6	35.3	48.5		76	27	22	22	457	0	0	10	0	2.95		1.42	11	.0	0		7	2	1
MAMMOTH SPRING		56.2	29.4	42.8	2.5	67	27	13	22	613	0	0	16	0	2.12	-.59	.87	11	.0	0		7	1	0
MARIANNA		56.5	35.4	46.0	.5	72	28	24	17+		0	0	9	0	6.29	2.41	2.59	11	.0	0		11	4	2
MARKED TREE		55.5	32.6	44.1	1.5	69	28	22	22+		0	0	14	0	4.92	1.25	2.28	11	.0	0		9	2	2
MARSHALL		56.6	32.8	44.7M	1.7	69	27	15	21	568	0	0	0	0	1.43	-1.11	.60	10	.0	0		5	1	0
MENA		57.6	34.1	45.9	1.6	75	27	18	22	528	0	0	8	0	1.65	-1.71	.68	11	.0	0		8	1	0
MONTICELLO		62.1	37.6	49.9		76	27	26	22	418	0	0	7	0	5.62	2.22	1.1	10	.0	0		10	3	2
MORRILTON		57.6	34.0	45.8	1.1	74	27	18	21	532	0	0	8	0	1.62	-1.59	.80	11	.0	0		5	1	0
MOUNT IDA		59.3	30.9	45.1	.2	79	28	15	22		0	0	18	0	3.15	-.81	1.75	11	.0	0		3	2	2
MOUNT MAGAZINE		50.1	31.0	40.6		68	27	9	21	677	0	0	15	0	2.23		.68	20	.0	0		7	2	0
MOUNTAIN HOME		55.5	31.4	43.5	1.9	68	27	15	22	594	0	0	16	0	1.20	-1.37	.80	11	.0	0		5	1	0
MOUNTAIN HOME CE		55.4	30.5	43.0M		68	3	15	22		0	0	0	0	1.59		.95	11	.0	0		7	1	0
MOUNTAINBURG		57.4	29.7	43.6		74	27	15	17	593	0	0	18	0	1.52		.55	10	.0	0		5	1	0
NARROWS DAM		60.1	31.7	45.9		76	28	21	22		0	0	14	0	2.77		1.19	11	.0	0		8	2	1
NASHVILLE		59.8	32.8	46.3		75	28	22	17+		0	0	14	0	2.82		.98	11	.0	0		6	3	0
NEWPORT		57.8	34.7	46.3	3.7	71	27	22	17	516	0	0	9	0	4.43	-.89	2.02	11	.0	0		8	2	0
NIMROD DAM		58.8									0	0	0	0	1.85		.97	11	T	0		7	1	0
OKAY		61.9	36.3	49.1	.1	77	27	21	22	437	0	0	10	0	1.94	-1.96	.70	19	.0	0		6	2	0
OZARK		57.5	33.4	45.5	1.9	74	27	19	21	541	0	0	13	0	2.21	-.57	1.12	11	.0	0		5	1	1
PARAGOULD		56.8	34.1	45.5		69	26	21	22	541	0	0	11	0	4.02	.16	1.65	11	.0	0		6	3	2
PARIS		59.2	33.2	46.2		75	27	18	22	520	0	0	13	0	2.04		.90	11	T	0		7	2	0
PERRYVILLE		59.5	34.6	47.1	4.3	76	27	18	22	498	0	0	10	0	2.06	-1.36	.58	11	.0	0		7	1	0
PINE BLUFF		60.3	37.1	48.7	2.1	78	27	26	22	450	0	0	4	0	5.78	1.68	2.21	11	.0	0		11	5	1
PINE BLUFF CAA AP		58.1	36.2	47.2		76	27	26	22	495	0	0	7	0	4.26		1.46	10	.0	0		8	2	2
POCAHONTAS 1		56.6	29.9	43.3	2.5	70	27	15	22	602	0	0	17	0	2.76	-.53	1.19	20	T	0		7	2	1
PORTLAND		59.6	39.1	49.4M	.0	77	28	28	17		0	0	5	0	8.21	3.93	2.00	21	.0	0		9	8	3
PRESCOTT		60.4	34.5	47.5	-.4	77	28	23	22		0	0	11	0	1.96	-1.84	.60	20	.0	0		9	2	0
ROGERS		56.4	32.1	44.3	4.6	67	3+	14	21	574	0	0	15	0	1.15	-.92	.39	10+	T	0		6	0	0
RUSSELLVILLE		58.7	33.7	46.2	4.5	75	27	19	22	521	0	0	13	0	1.64	-1.72	.67	11	.0	0		5	2	0
SAINT CHARLES		58.1	37.0	47.6		75	28	27	17+		0	0	5	0	5.70		1.52	11	.0	0		10	5	3
SEARCY		57.8	34.5	46.2		75	27	21	22	521	0	0	10	0	4.10		1.60	11	.0	0		8	3	2
SHERIDAN		60.8	34.0	47.4	1.3	77	28	18	17	484	0	0	11	0	3.85		1.73	11	.0	0		7	3	1
SILOAM SPRINGS		56.0	32.3	44.2		67	4	15	21	578	0	0	16	0	.92		.29	20	.4	0		4	0	0
STUTT GART		58.7	37.0	47.9	2.8	76	27	24	22	474	0	0	5	0	5.53	1.45	2.60	11	.0	0		8	4	1

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1953

Table 5 - 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				
STUTT GART	MAX	54	66	70	63	67	65	60	65	65	61	61	51	50	50	56	60	50	62	54	64	45	48	51	46	50	63	76	70						58.7
	MIN	37	34	40	38	43	43	37	34	40	51	45	34	32	34	35	40	26	34	42	41	28	24	30	38	41	35	39	42						37.0
STUTT GART 9ESE	MAX	56	53	65	67	60	66	55	68	63	64	64	62	50	51	56	55	60	48	60	63	65	48	48	51	45	50	61	72					58.1	
	MIN	42	35	37	39	39	43	36	33	42	43	50	35	31	33	33	39	25	27	33	44	29	25	29	32	38	34	37	39					35.8	
SUBIACO	MAX	65	65	70	66	69	64	58	68	62	63	54	47	53	49	62	58	54	65	59	56	41	52	58	52	47	63	75	65					59.3	
	MIN	37	34	38	37	44	41	37	32	45	47	38	30	30	29	31	42	25	29	42	32	22	20	25	36	40	35	37	41					34.9	
TEXARKANA WR AP	MAX	65	66	71	68	74	57	60	66	63	69	65	50	55	48	60	58	56	61	64	65	45	51	52	44	53	66	78	68					60.6	
	MIN	41	37	42	44	50	42	38	37	40	57	36	32	32	40	33	36	27	36	42	32	27	25	32	36	38	36	44	48					37.9	
TURNPIKE	MAX	60	60	64	58	56	55	50	57	53	51	54	41	46	43	49	46	49	57	50	51	35	44	52	42	42	54	70	60					51.8	
	MIN	40	39	47	37	44	35	40	38	41	42	33	28	23	33	28	34	19	34	35	33	14	18	32	31	35	33	45	36					33.8	
WALORON	MAX	65	66	72	69	68	60	57	65	60	58	57	46	52	51	61	58	58	62	55	60	40	53	55	52	50	65	76	72					59.4	
	MIN	29	30	33	33	43	41	36	26	36	51	36	30	23	28	28	44	19	27	41	33	21	16	22	34	39	29	29	35					31.9	
WALNUT RIOGE CAA AP	MAX	54	62	49	57	59	57	57	62	61	56	58	47	48	49	51	53	43	59	52	63	39	46	55	46	51	61	69	57					54.3	
	MIN	35	31	38	32	38	39	35	32	42	48	36	32	28	34	32	27	22	32	42	31	24	21	29	39	38	34	41	35					33.8	
WARREN	MAX	61	69	72	66	72	67	60	66	66	71	65	52	55	50	58	61	56	61	53	65	47	51	52	47	49	64	76	70					60.8	
	MIN	37	33	38	38	41	45	31	30	35	53	46	30	31	30	33	40	24	28	39	43	26	22	28	34	40	32	37	43					35.3	
WHITE ROCK	MAX	62	61	66	60	59	55	53	59	52	51	53	38	46	46	49	46	48	57	49	50	34	42	50	43	44	59	72	60					52.3	
	MIN	41	38	44	39	42	34	41	38	41	44	29	25	24	33	27	30	21	35	34	28	11	18	28	29	34	32	42	37					32.8	
WILSON	MAX	65	67	63	61	63	64	65	63	67	59	63	42	43	50	52	53	43	60	60	43	47	56	49	49	60	62	61					56.7		
	MIN	40	38	39	36	35	39	40	42	36	45	36	30	30	34	33	42	24	26	28	40	24	22	29	33	40	37	42	40					35.2	
WYNNE	MAX	60	65	64	58	61	61	59	61	62	58	60	47	48	49	53	59	45	58	53	65	48	45	52	49	47	59	71	69					56.6	
	MIN	34	34	38	35	40	38	34	31	44	49	44	34	30	35	34	40	24	33	42	42	27	21	28	39	41	35	38	40					35.9	

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total for ave		
	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			
Hope	EVAP	*	.10	.07	.11	.08	.10	.07	*	.17	.06	.04	*	.04	.10	*	.04	.13	.11	.07	*	*	*	.59	.00	.02	.04	.14	.13					2.21
	WIND	*	.38	2	.20	.18	.70	*	*	.32	.30	.38	27	.33	.11	*	.117	4	.12	.46	.52	.72	*	*	.63	.30	.23	.17	.25	.35				
Narrows Dam	EVAP	.05	.09	.06	.12	.07	.06	.09	*	.15	.05	.03	.03	.06	.08	.00	.14	.08	.13	.10	.05	-	-	-	.02	.02	.11	.16					2.048	
	WIND	.41	.39	.41	.35	.14	.45	.19	.15	.28	.46	.37	27	.39	.10	.19	.17	.51	.16	.58	.50	.97	.40	15	.30	6	8	16	35					894
Russellville	EVAP	.06	.05	.04	.07	.04	.07	.05	.06	.09	.04	.04	.07	.06	.03	.04	.12	.08	.08	.02	.09	.09	.08	.09	.03	.04	.05	.07	.15					1.80
	WIND	6	6	6	13	15	28	12	12	27	30	44	33	22	3	13	49	14	22	45	63	75	14	20	10	13	22	10	37					664
Stuttgart 9 ESE	EVAP	-	.02	.04	.06	.05	.12	.03	.08	.03	.06	-	.02	*	.14	.07	.04	*	*	.06	-	*	*	*	.30	.07	.08	.04	.09					1.57B
	WIND	10	10	10	10	10	30	*	80	10	5	125	50	80	60	10	60	70	90	30	100	150	140	50	10	20	10	30	50	110				

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

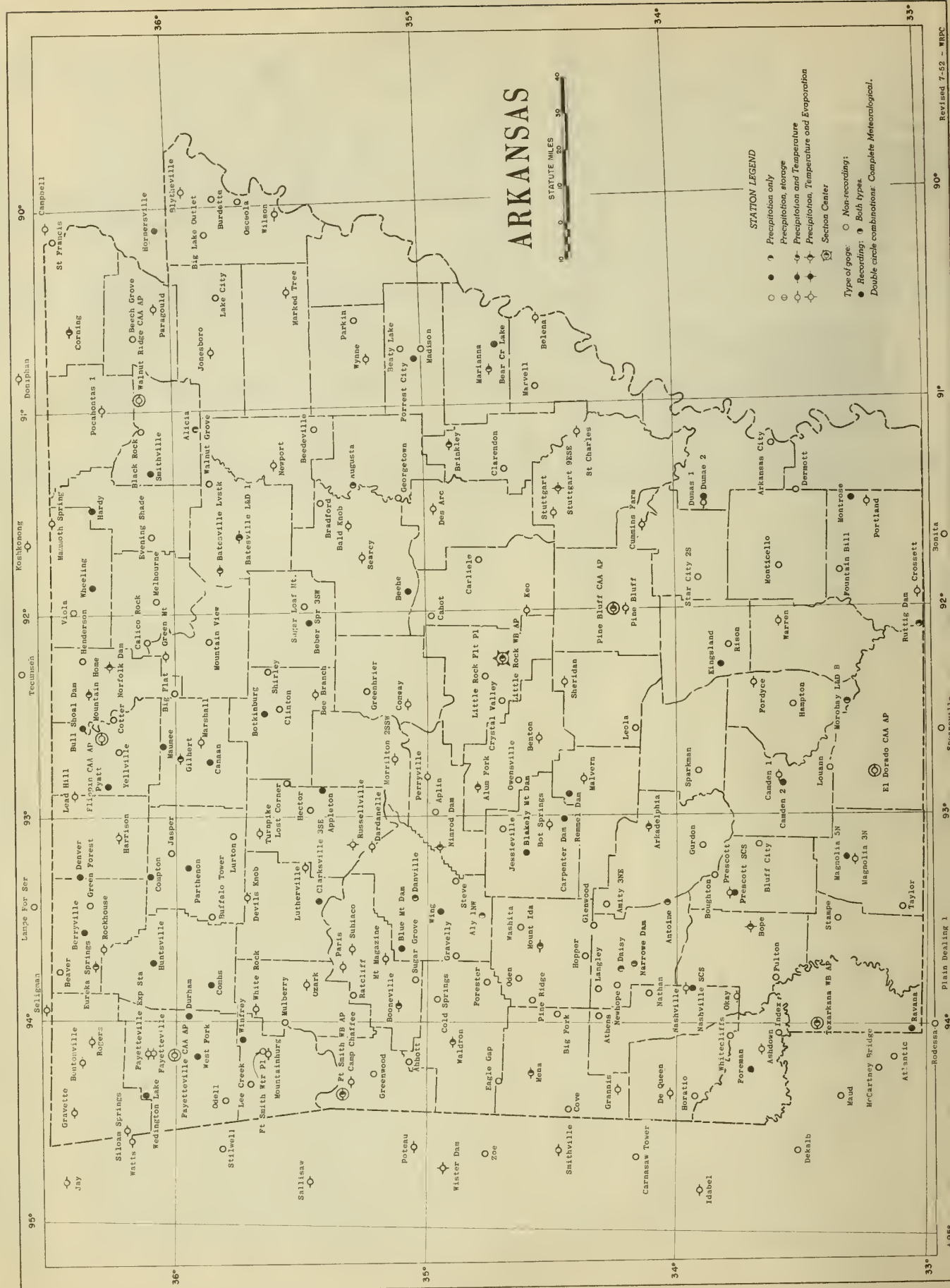
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 4-20-53 -- 1110

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
ANAR
1.583

mat. list

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE

MAY 25 1953

UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty for non-compliance
Permit No. 1024

MARCH 1953

Volume LVIII No. 3



Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

mat. list

ARKANSAS - MARCH 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The weather over Arkansas during March 1953 was warm and wet.

This was the wettest March in Arkansas since 1945 and the sixth wettest recorded since statewide records were begun in 1891. The monthly average precipitation for the State was 7.37 inches, which is 2.61 inches above normal. Monthly totals at individual stations ranged from 3.63 inches at Boughton to 11.65 inches at Sugar Grove. The greatest daily amount recorded was 3.65 inches at Bradford and Sugar Grove on the 18th. The greatest snowfall reported was a trace at several stations. Hail was reported on the 3rd, 12th, 14th, 21st, 22nd and 31st.

The monthly mean temperature for the State was 56.2°, which is 3.8° above normal, making this the warmest March in Arkansas since 1946. Monthly mean temperatures at individual stations ranged from 51.2° at Mountain Home to 61.4° at Crossett. The highest temperature reported was 90° at Crossett on the 18th and the lowest 20° at Devils Knob on the 4th. There was an average of three days during the month on which temperatures fell to freezing or lower.

Wet ground, from frequent rains during the month, seriously hampered the preparation of ground for the planting of spring crops. Advantage was taken, however, of every opportunity to get into the fields. As a result, fair to good progress was made in most areas. A considerable amount of fertilizer was spread from airplanes in areas where fields were too wet for other methods.

The planting of potatoes and gardens continued throughout most of the month. Gardens made good to excellent progress and by the close of the month were promising but wet.

The warm, moist weather was favorable for all forms of vegetation. Winter grains and cover crops grew nicely and pastures improved. By the close of the month, fall oats were beginning to head. Fruit bud development was held up by low nighttime temperatures during the first half of the month, but peaches and plums were blooming by mid-month. Fruit apparently escaped frost damage during the month.

Strawberry plants were being set out during the first week. Mulching was in progress during the second week. By the end of the third week, strawberries were advanced beyond the average for the season and by the close of the month were blooming. The plants showed good crowns, but stands were spotted with best prospects in Searcy County and poorest in White County.

STORMS

At 12:50 p.m. of March 3rd, a hailstorm, with some stones reaching 3/4 inch in diameter, struck Melbourne, Arkansas. No damage was reported.

A hailstorm struck Little Rock at 6:30 p.m. of the 12th, causing \$6,000 damage to airplanes at the Municipal Airport and \$2,000 damage to a commercial greenhouse.

At 12:30 a.m. of the 14th, two tornadoes struck in west-central Arkansas. One first struck Chismville in Logan County and skipped northeastward over a path to a point five miles northeast of the Clarksville Airport in Johnson County. No deaths or injuries were reported. Total property damage was estimated at \$37,500. The other tornado struck near Newnata in Stone County and moved northeastward to Myron in IZARD County. Principal damage was in the Belleview, La Crosse, Franklin and Myron area of IZARD County. Total property damage was estimated at \$61,000. No crop damage was reported.

A hailstorm occurred in Van Buren County between 12:30 a.m. and 2:30 a.m. of the 14th, causing some damage to roofs but no damage to crops.

At 1:30 a.m. of the 14th, a tornado struck near Delaware in Yell County and moved northeastward through the Bunker Hill and Mill Creek communities to Dover in Pope County. The Bunker Hill-Mill Creek area was the hardest hit; seven persons were injured, but only two seriously. Total property damage was estimated at \$145,500. No crop damage was reported.

At 3:30 p.m. of the 14th, a hailstorm struck Harrisburg, causing extensive damage to roofs and neon signs. No estimate of monetary loss is available.

During the afternoon of the 14th, a wind and hail storm struck to the south of Wynne, damaging the screen of a drive-in theater and causing some hail damage to automobiles. No estimate of monetary loss is available.

At 5:30 p.m. of the 14th, a wind and hail storm struck the Lepanto-Rivervale area of Poinsett County, blowing a tenant house from its foundation. Damage was estimated at \$1,000. No crop damage occurred.

At 10:00 p.m. of the 17th, a windstorm at DeWitt damaged powerlines, television antennas and outhouses. No estimate of monetary loss is available.

At 10:45 p.m. of the 17th, a windstorm struck the Noble Lake area of Jefferson County, injuring one person and damaging four houses and several outbuildings. Damage was estimated at \$6,000.

A very light hailstorm struck Little Rock at 8:52 p.m. of the 21st. No damage was reported.

During the early afternoon of the 22nd, widespread wind, hail, rain and electrical storms buffeted Eastern Arkansas, including Pulaski, White, Independence, Prairie, Woodruff, Jackson, Cross, Poinsett, Craighead and Cleveland Counties, with heaviest damage in the Beebe and Searcy areas of White County. The only injury reported was in Independence County and was due to lightning. Total monetary loss was estimated at \$435,500. No crop damage was reported.

A windstorm struck the Cherry Hill community of Perry County at 10:00 a.m. of the 31st, demolishing the school building and injuring five persons, two of them seriously. Damage was estimated at \$5,000.

A wind and hail storm struck Pulaski and Lonoke Counties at 12:55 p.m. of the 21st, with principal damage in the vicinity of the town of Lonoke where hailstones weighing from 1/2 to 3/4 pounds and up to 12 inches in circumference were reported. Property damage was estimated at \$64,000 and crop damage at \$3,000.

FLOODS

General moderate to heavy showers on the 13th and 14th with storm totals averaging near 2.00 inches over the Arkansas, Upper White and Little Red River Basins, and near 1.00 inch on the Black and Middle White River Basins brought moderate rises on the Arkansas and White Rivers and sharp rises on the Black and Little Red Rivers. These rains were followed by general heavy showers on the afternoon and evening of the 17th and morning of the 18th, giving storm totals averaging between 2.50 to 3.00 inches over most of the district. This precipitation caused sharp rises on all streams in the district, with minor flooding on the White from Augusta downstream, the Ouachita, Saline Petit Jean, Little Red and Lower Black Rivers. No flood damage was reported.--JFR

SUPPLEMENTAL DATA

ARKANSAS
MARCH 1953

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine	Average sky cover (sunrise to sunset)
FORT SMITH WB AIRPORT	ENE	22	9.5	32	W	24	73	84	54	49	6	3	5	0	3	1	18	63	4.9
LITTLE ROCK WB AIRPORT	SE	9	9.2	38	W	22	73	85	62	60	6	0	5	3	4	1	19	51	6.4
TEXARKANA WB AIRPORT	SSE	13	8.8	-	-	-	74	83	59	58	1	5	7	2	0	0	16	-	6.7

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	46.7	79	10	5.10	-	10	1916	54.5	91	11	1.93	T	5	1941	47.5	80	13	2.21	0.2	7
1892	47.9	84	9	3.44	3.8	7	1917	53.0	87	9	5.32	1.0	11	1942	53.0	89	18	3.95	2.0	8
1893	50.1	82	5	3.55	T	8	1918	57.9	96	16	1.31	0.0	4	1943	46.9	84	6	5.66	0.2	10
1894	54.6	88	8	9.84	0.8	9	1919	53.2	86	11	5.47	0.5	6	1944	51.3	87	14	6.13	0.2	10
1895	51.8	91	10	5.39	T	10	1920	51.8	88	2	5.31	0.8	8	1945	58.9	92	16	11.12	0.0	13
1896	48.7	85	12	5.28	1.3	8	1921	60.8	92	18	6.55	T	9	1946	58.2	94	19	5.47	0.0	8
1897	55.9	88	13	9.78	T	15	1922	51.7	83	7	8.58	0.3	11	1947	45.0	79	5	2.69	0.9	8
1898	54.5	88	18	5.96	0.1	9	1923	49.6	88	2	5.04	T	8	1948	50.6	89	-14	5.72	1.4	10
1899	50.6	87	1	2.97	0.4	7	1924	46.6	84	5	3.27	6.8	8	1949	50.9	84	18	5.42	0.5	8
1900	51.2	90	7	2.50	0.8	7	1925	55.9	89	7	1.69	T	4	1950	49.2	85	11	4.20	T	7
1901	51.5	86	4	4.87	T	6	1926	48.5	86	11	5.57	0.4	9	1951	51.3	87	11	2.40	0.2	8
1902	52.6	89	14	5.34	T	7	1927	53.5	87	5	7.24	0.6	12	1952	50.1	89	14	5.59	T	8
1903	54.8	85	11	5.56	0.8	8	1928	52.7	92	20	2.53	0.1	6	1953	56.2	90	20	7.37	T	12
1904	55.3	90	12	5.64	T	8	1929	55.7	98	19	3.77	T	10							
1905	57.1	92	26	5.31	T	9	1930	50.4	83	15	2.21	T	6							
1906	45.2	88	10	5.69	0.4	11	1931	47.5	85	16	4.21	0.4	8	All Years	52.4			4.78	0.5	
1907	51.9	96	25	3.22	0.0	6	1932	48.2	88	2	4.48	0.7	9							
1908	59.5	93	21	3.79	0.1	8	1933	52.6	91	17	4.87	T	9							
1909	62.7	84	16	3.71	T	8	1934	49.6	85	4	6.53	1.0	9							
1910	60.7	92	22	1.39	T	3	1935	58.7	90	18	8.29	T	10							
1911	56.6	94	15	2.17	0.0	6	1936	57.1	88	22	2.19	T	7							
1912	45.8	86	10	7.88	0.2	12	1937	48.7	84	14	3.04	0.3	8							
1913	49.7	88	8	4.74	0.8	7	1938	60.3	91	20	6.02	0.0	10							
1914	50.0	86	4	5.13	1.9	9	1939	54.4	88	19	3.71	T	8							
1915	42.5	73	14	3.54	0.7	7	1940	52.0	88	9	2.39	0.7	7							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
															Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
34° or Above	32° or Below	32° or Below	30° or Below	30° or Below	28° or Below															
Alum Fork	70.3	44.0	57.2	4.1	84	30	29	5	255	0	0	3	0							
Arkadelphia	72.7	46.5	59.6	3.8	86	31	30	5+	191	0	0	2	0	5.79	.91	.97	22	T	0	
Ashdown	72.1	44.5	58.3		82	14+	28	5	224	0	0	5	0	4.93		1.11	17	.0	0	
Bald Knob	67.8	43.8	55.8		78+	14+	30	5+	289	0	0	4	0	8.00		1.58	17	.0	0	
Batesville Livestock	67.1	38.5	52.8		79	21	24	8		0	0	9	0	6.79		2.97	18	T	0	
Batesville L & D 1	67.3	40.9	54.1		77	14+	27	5+	337	0	0	7	0	7.78		3.82	3.26	18	T	0
Bee Branch	69.3	44.1	56.7	4.1	82	31	28	5+	268	0	0	4	0	8.35		1.80	18	.0	0	
Benton	65.9	40.1	53.0	5.0	80	20	25	4+	363	0	0	7	0	6.00		2.57	1.39	18	.0	0
Blytheville	66.0	44.5	55.3	4.1	79	20	31	7	303	0	0	1	0	8.19		3.58	2.01	17	.0	0
Booneville	70.1	44.0	57.1		83	14	27	25	264	0	0	4	0	9.85		2.21	18	.0	0	
Brinkley	69.3	43.0	56.2	2.9	81	14	28	8	278	0	0	3	0	6.12	.83	1.85	18	.0	0	
Camden 1	72.1	45.2	58.7	3.4	83	21	31	5		0	0	1	0	6.80	1.74	2.27	22	.0	0	
Camp Chaffee	69.4	42.7	56.1		84	20	27	5	285	0	0	5	0	7.50		2.27	18	.0	0	
Conway	69.7	44.8	57.3	3.7	82	31	30	5	248	0	0	3	0	7.59	2.99	1.81	18	.0	0	
Corning	63.8	42.6	53.2	2.4	78	21	29	8		0	0	3	0	8.41	3.78	1.78	18	.0	0	
Crossett	74.9	47.9	61.4	5.4	90	18	28	8		1	0	1	0	6.57	1.42	2.27	12	.0	0	
Cummins Farm	68.2	45.2	56.7		80	14+	31	3	260	0	0	1	0	9.30		2.00	17	.0	0	
Dardanelle	70.9	45.4	58.2	4.9	85	14	32	5+	229	0	0	2	0	10.64	6.33	2.79	2	.0	0	
De Queen	73.0	45.7	59.4	3.7	85	14	26	5	198	0	0	2	0	5.01	.48	1.10	18	.0	0	

See reference notes following Station Index.

DAILY PRECIPITATION

ARKANSAS
MARCH 1953

Table 3-

Table with columns for Station, Total, and Day of month (1-31). Rows list various stations such as ARROTT, ALCIA, ALUM FORK, etc., with their corresponding precipitation totals for each day.

See reference notes following Station Index.

DAILY TEMPERAT URES

ARKANSAS
MARCH 1953

Table 5-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		
STUTT GART	MAX	65	65	75	65	68	72	71	63	57	54	61	79	75	80	74	67	61	77	72	82	75	69	75	71	64	64	64	69	77	78	71	69.7
	MIN	48	49	54	40	32	37	43	35	45	43	48	59	54	61	49	41	51	55	41	48	58	56	44	50	36	40	46	42	41	52	61	47.1
STUTT GART 9ESE	MAX	65	65	67	68	55	65	67	69	67	56	57	62	76	73	80	65	65	65	73	72	78	73	72	73	60	62	62	60	73	76	67.0	
	MIN	48	43	51	40	32	37	36	35	38	42	44	51	54	60	46	42	46	51	42	50	57	58	43	50	35	40	46	41	40	50	56	45.3
SURIACO	MAX	65	60	72	60	70	70	69	65	62	53	63	76	80	81	79	66	63	73	75	82	76	75	73	68	62	64	70	71	79	75	80	70.2
	MIN	42	43	48	33	40	36	41	33	45	44	47	54	54	59	45	38	51	51	45	50	66	51	41	48	35	42	46	46	43	55	56	46.1
TEXARKANA WR AP	MAX	78	63	78	57	67	70	74	66	56	52	65	79	80	80	69	64	75	77	76	81	80	70	75	71	67	80	63	73	78	76	83	71.5
	MIN	58	54	51	37	34	40	46	42	45	45	49	60	60	61	49	45	54	60	50	56	63	53	44	45	41	45	50	44	51	61	65	50.3
TURNPIKE	MAX	49	52	60	55	60	65	65	61	55	45	55	67	73	73	68	59	54	66	70	74	71	65	65	62	56	59	64	65	70	61	74	62.5
	MIN	38	37	47	25	37	45	40	28	40	39	39	50	51	50	39	39	46	48	45	50	55	48	45	44	30	38	42	41	47	51	52	42.8
WALDRON	MAX	75	72	70	56	68	71	73	64	64	51	64	76	79	82	80	70	63	73	75	81	75	75	73	70	63	74	72	71	80	75	81	71.5
	MIN	45	39	51	32	26	28	34	29	43	45	48	51	47	57	44	36	42	54	34	46	64	44	35	37	34	35	46	36	37	59	58	42.5
WALNUT RIDGE CAA AP	MAX	49	49	69	50	66	70	66	63	54	56	60	74	70	74	61	61	57	69	69	76	65	65	70	65	58	52	64	67	68	69	72	63.8
	MIN	39	38	40	34	37	40	35	29	36	43	49	58	55	59	45	38	53	51	41	48	58	52	44	38	32	35	43	42	39	54	58	44.0
WARREN	MAX	67	73	76	74	67	71	77	68	69	50	64	79	71	81	72	68	73	82	74	83	79	76	77	74	67	72	66	71	71	80	82	72.5
	MIN	51	59	58	39	33	34	40	36	40	41	46	58	56	65	48	38	48	58	43	47	59	55	52	40	37	38	46	40	39	51	60	46.9
WHITE ROCK	MAX	54	61	59	50	62	65	61	62	55	45	54	65	73	73	60	58	56	67	67	77	69	68	67	63	57	63	68	69	73	66	73	63.2
	MIN	40	39	44	23	36	44	46	29	43	39	42	51	52	50	35	40	46	46	45	50	57	45	43	45	30	40	45	42	42	51	62	43.3
WILSON	MAX	56	59	71	52	64	73	69	59	55	60	64	75	74	74	65	65	60	70	70	79	68	68	73	68	59	58	65	69	71	75	71	66.5
	MIN	39	39	45	35	35	36	35	31	35	36	45	48	58	58	55	39	46	53	44	47	53	50	53	41	34	34	38	45	39	51	57	43.7
WYNNE	MAX	53	53	72	70	65	69	65	65	58	53	60	75	78	76	75	65	60	68	68	76	73	67	71	68	61	57	62	65	71	75	72	66.6
	MIN	42	44	52	37	35	36	40	31	40	44	49	59	56	63	50	38	46	53	39	50	56	46	42	48	32	35	45	38	37	53	59	45.0

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total of ave		
	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			
HOPE	EVAP	* .08	.01	.09	.14	.14	.16	* .27	-	-	-	.12	* *	.43	.09	-	.21	.17	.17	*	.17	.24	.28	.17	.12	.15	*	.27	.02	4.038				
	WIND	* .80	.37	.78	.48	.22	.60	* .25	.37	.43	.21	.29	*	*	.131	.19	.15	.60	.22	.26	*	.102	.25	.60	.20	.35	.31	*	.39	.35	1100			
MOUNTAIN HOME C E	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.15	-	.05	.13	.27	.12	.06	.20	.23	.14	.07	.18	.18	.25	.08	-
	WIND	32	158	27	89	73	37	35	111	24	32	74	15	31	64	141	69	7	73	30	26	129	81	43	58	82	62	48	40	40	86	73	1890	
NARROWS OAM	EVAP	.03	.17	* .08	* *	.14	.13	.14	.02	.00	.00	.10	.18	.11	.24	.16	.07	.17	.22	.18	.08	.35	.35	.17	.17	.17	.09	.17	.26	.00	3.95			
	WIND	.41	.48	.30	.66	.34	.21	.36	.33	.22	.4	.4	.6	.21	.33	.58	.51	.23	.7	.24	.27	.60	.44	.18	.19	.97	.18	.45	.14	.15	.66	.39	1024	
NIMROD OAM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.18	.12	.11	.17	.33	.19	.06	.15	.19	.19	.11	-	-	
	WIND	10	18	3	110	72	26	17	19	12	5	4	7	5	16	106	67	18	3	8	18	56	23	20	21	99	34	10	7	11	24	14	863	
RUSSELLVILLE	EVAP	.13	.01	.00	.14	.08	.12	.11	.09	.06	.02	.00	-	.10	-	.23	.08	.00	-	.14	.18	.12	.14	.12	.22	.16	.08	.16	.15	.22	.07	.15	3.48	
	WIND	.38	.16	.17	.67	.20	.12	.18	.18	.18	.33	.27	.17	.17	.42	.69	.12	.17	.20	.17	.29	.31	.18	.19	.37	.34	.31	.25	.9	.31	22	.46	827	
STUTT GART 9 ESE	EVAP	.07	.08	.19	.02	* .17	.17	.07	-	.02	* *	* *	* *	.16	.23	.10	.02	.06	.11	.15	.15	.06	.12	.15	.11	.11	.04	.06	.17	.30	.05	3.048		
	WIND	.30	.30	.50	100	.60	.20	.20	.30	.10	.30	.50	.50	.40	.50	150	.50	.20	.40	.30	.10	100	.90	.50	.20	.70	.30	.30	.20	.20	.40	.90	1420	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

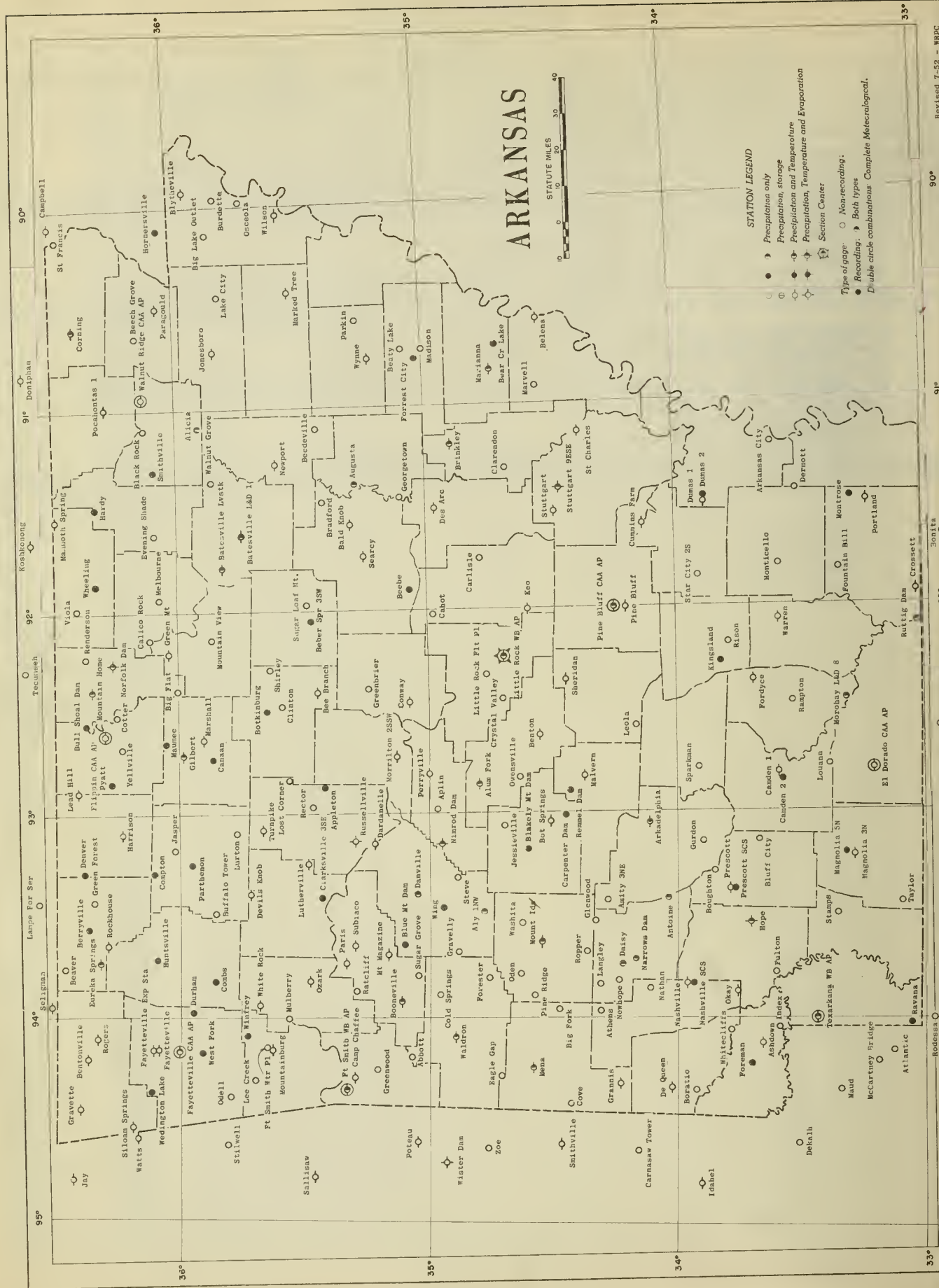
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

W.R.P.C., Kansas City, Mo. -- 5-19-53 -- 990

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



90° 91° 92° 93° 94° 95°
36° 35° 34° 33°
Revised 7-52 - MIPC

551.05
UNAR
V. 584

nat. Hist

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

APRIL 1953

Volume LVIII No. 4

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20540
Kilograms Only, 1/2 lb.
OPTIONAL BUSINESS
PERMIT NO. 1024



THE LIBRARY OF THE
JUN 12 1953
UNIVERSITY OF ILLINOIS

NAT.
HIST.

Month of publishing
\$300.

KANSAS CITY: 1953

ARKANSAS - APRIL 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Rainy and relatively cool weather prevailing during the month of April 1953 seriously delayed field work and the planting of spring crops.

The average monthly precipitation for the State was 7.10 inches, which is 2.16 inches above the normal, making this the wettest April in Arkansas since 1945. Monthly totals over the State ranged from 3.59 inches at Corning to 12.51 inches at Athens. The greatest daily amount reported was 4.01 inches on the 29th at Taylor. The month's average snowfall was too light to measure. The greatest monthly snowfall was 0.1 inch at Fayetteville, which occurred during the evening of the 17th. There was an average of nine days with measurable precipitation during the month.

The monthly mean temperature for the State was 57.7°, which is 3.9° below the normal. Station monthly mean temperatures ranged from 52.3° at Mount Magazine to 62.9° at Crossett. The highest temperature recorded was 90° at Crossett on the 9th and at Lead Hill on the 22nd. The lowest temperature recorded was 23° at Lead Hill on the 19th. Freezing temperatures occurred on an average of only three days during the month.

Field work was seriously hampered by wet ground during much of the month. Full advantage was generally taken of every opportunity to get into the fields. Whenever conditions would permit, tractors were operated day and night. Despite every effort, the preparation of seedbeds and spring planting fell considerably behind schedule except in a few more favored localities.

A small amount of cotton had been planted by the end of the first week, but by mid month, only from 10% to 25% of the cotton land in the State was ready for planting. By the close of the month, only 40% to 50% of the cotton acreage had been planted. Heaviest plantings were in Ashley County with 70% and Saint Francis County with 65%. Germination was slow due to wet soil and cool weather. As a result, those stands that were up were only fair. Some replanting of first seeded acreage was anticipated. At the close of the month, some early cotton in Ashley County was reported to be ready for chopping.

As the month opened, some early corn had been planted and a little had come up. While planting progressed as rapidly as soil conditions permitted, it was slow in most areas. At the close of the month, some early planted fields were up to fairly good stands, but in many localities germination and growth had been checked by cold, wet weather.

Wet ground seriously delayed the preparation of fields and the seeding of rice. By the close of the third week, seeding was reported to be 50% completed in Ashley County and 40% completed in Chicot County, but only a limited amount had been planted elsewhere. By the close of the month, seeding was 90% completed in Ashley County, 80% completed in Chicot County and 50% completed in Lee County, and considerable progress was reported in other areas.

By the close of the month, only a very limited acreage of soybeans had been planted.

The month's weather was favorable for the growth of small grains, hay and pastures. Small grains generally made excellent growth, especially where fertilized or top dressed. There were scattered reports of wind and storm damage in some localities. Some apprehension was felt that abundant growth might result in excessive lodging at harvest time. Scattered cuttings of alfalfa were reported during the last half of the month. Pastures continued to make good progress except for some slowing due to cool weather. As a result, cattle generally made good gains during the month.

Strawberry harvest generally began in the southwestern quarter of the State during the second week and became general over the southern half and had begun in the central and west-central counties during the third week. The crop in the northwestern counties suffered severe frost damage during the month with lighter damage reported in other areas.

Peaches suffered some frost damage with heavy damage reported in the northwestern counties. Apples and grapes also suffered severe frost damage in the northwestern portion.

STORMS

During a severe electrical storm on the 5th, lightning set fires which destroyed a commercial building and a Lutheran Church in Fort Smith.

At 8:00 p.m. of the 9th, a hail and wind storm struck Piggott. Stones ranging from the size of marbles to one inch in diameter covered the ground to an average depth of 1.0 inch with drifts to 3.0 feet reported. There was considerable damage to roofs, windows, fruit and gardens.

During the afternoon of the 11th, a hailstorm struck Bradley County. Crop damage was extensive, but most severe in the Gravel Ridge, Prospect and Blue Springs areas.

At 11:00 p.m. of the 14th, a hailstorm struck Mena, causing considerable damage to gardens, flowers and shrubs.

At 1:45 a.m. of the 15th, lightning set fires that destroyed two houses in El Dorado. Damage was estimated at \$6,000. Some hail accompanied the storm, but damage from this source was negligible.

At 12:20 a.m. of the 18th, a severe wind and hail storm struck Sebastian County, causing extensive damage over a path extending eastward from Fort Smith to Lavaca. The ball park at Fort Smith was almost totally destroyed, together with damage to roofs, windows, automobiles, etc. There was some damage to roofs in rural areas. Crops and fruit trees suffered considerable damage. Hail stones the size of golf balls with some as large as baseballs were reported. Property damage was estimated at \$525,000 and crop damage at \$75,000.

Between 3:30 a.m. and 6:00 a.m. of the 18th, wind and hail storms caused two deaths, 41 injuries, \$1,403,000 property damage and \$90,000 damage to crops in Crittenden, Cross, Independence, Jackson, Poinsett and White Counties. Principal damage was due to wind, but heavy hail was reported from several localities in the storm area. The crops most affected were strawberries, winter grains, truck and gardens. The two fatal injuries were in Poinsett County.

At 7:00 p.m. of the 23rd, a tornado damaged several buildings and destroyed a new brick structure at Alma in Crawford County. The funnel cloud was observed by many persons. Damage was estimated at \$10,000. No deaths or injuries were reported.

At 4:00 a.m. of the 24th, a tornado struck the College Hill section of Texarkana, damaging houses, automobiles and trees. The path of the storm extended from southwest to northeast and was about 100 yards wide and one mile in length.

At 4:15 a.m. of the 24th, a hail and wind storm covered an area within a radius of 5-6 miles of the Hope Experiment Station of the University of Arkansas. Hail stones ranging from 1/2" to 1 1/2" were reported. Property damage was estimated at \$800. Crop damage, principally to tomatoes, sweet potatoes, peaches and oats was estimated at \$1,200.

FLOODS

Heavy rains on the 5th and early morning of the 6th, giving storm totals averaging near 2.25 inches over the Ouachita watershed caused a sharp rise on the stream at Arkadelphia on the 6th, which reached Camden on the 10th. Moderate rains occurred intermittently until heavy rains fell on the night of the 23rd-24th, which averaged near 3.00 inches over the Ouachita Basin. These rains caused sharp rises at Arkadelphia, followed by a slower rise at Camden. A third period of heavy rains during the night of the 28th and the morning of the 29th averaging near 2.50 inches over the Ouachita Basin caused a sharp rise at Arkadelphia and continued high water at Camden. Flooding on the White River during the opening days of April 1953 was due to continued high water from the previous month. No flood damage was reported. There was, however, some delay in the utilization of lands adjacent to the streams.--JFR

SUPPLEMENTAL DATA

ARKANSAS
APRIL 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH W8 AIRPORT	NE	14	10.1	42	1	23	77	84	51	51	2	0	5	3	1	1	12	68	4.7
LITTLE ROCK W8 AIRPORT	S	11	10.8	61	5W	29	73	80	53	56	2	1	7	0	3	0	13	66	5.0
TEXARKANA W8 AIRPORT	S	14	9.8	-	-	-	76	82	56	58	2	4	0	3	2	1	12	-	4.8

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	62.8	93	22	2.75	-	8	1916	59.9	92	24	3.65	T	7	1941	63.7	94	32	5.04	0.0	10
1892	61.4	97	27	6.98	0.0	10	1917	60.4	90	23	5.69	T	9	1942	62.8	88	20	8.42	0.0	7
1893	64.9	94	29	7.16	T	8	1918	59.6	96	25	7.63	0.0	9	1943	62.9	95	25	3.20	0.0	7
1894	63.1	91	29	6.18	0.0	9	1919	61.6	95	24	3.56	T	7	1944	60.1	88	19	6.65	T	10
1895	63.1	98	30	1.99	T	6	1920	59.8	94	21	5.49	T	9	1945	62.6	89	23	7.44	T	12
1896	67.8	84	24	3.65	0.0	5	1921	59.8	91	22	7.87	T	9	1946	65.0	94	30	5.46	0.0	8
1897	61.4	90	31	4.14	0.0	9	1922	63.5	90	26	5.54	0.0	9	1947	61.9	89	26	5.74	0.0	9
1898	59.2	93	19	3.09	0.0	8	1923	61.2	95	23	6.30	0.0	11	1948	66.2	93	27	3.46	0.0	6
1899	60.7	96	19	3.28	T	7	1924	61.4	94	18	4.99	0.0	8	1949	60.0	92	23	2.75	T	7
1900	62.2	96	24	4.98	T	10	1925	67.4	98	28	2.62	0.0	6	1950	58.2	91	20	3.29	T	9
1901	58.1	96	22	3.82	T	6	1926	59.1	94	18	2.65	T	7	1951	58.1	90	21	4.33	T	9
1902	61.2	96	25	2.87	0.0	8	1927	65.7	99	26	12.93	0.0	12	1952	58.1	93	23	5.88	T	9
1903	60.6	91	26	1.86	T	6	1928	57.3	87	22	8.52	T	9	1953	57.7	90	23	7.10	T	9
1904	56.8	89	24	3.88	T	8	1929	64.0	92	29	5.69	T	10	All Years	61.4	90	23	4.98	T	9
1905	61.1	96	25	6.29	T	11	1930	64.9	96	27	1.41	0.0	6							
1906	63.7	97	27	2.55	0.0	6	1931	59.1	92	21	2.62	0.0	9							
1907	54.9	89	24	5.44	0.0	9	1932	63.8	92	28	2.85	0.0	7							
1908	63.3	94	24	6.32	T	12	1933	61.1	93	28	4.80	0.0	11							
1909	60.9	88	24	4.52	T	8	1934	62.7	90	29	3.51	0.0	8							
1910	59.8	90	22	5.14	T	9	1935	60.2	90	29	4.37	T	9							
1911	60.5	90	29	9.86	0.0	12	1936	59.7	96	17	2.64	T	6							
1912	61.9	93	26	8.14	T	12	1937	61.7	96	20	3.18	0.1	7							
1913	61.2	94	27	4.91	0.0	6	1938	62.1	94	24	4.83	0.1	8							
1914	61.0	84	19	4.57	0.0	9	1939	59.3	91	19	7.13	T	8							
1915	64.3	96	19	2.96	T	5	1940	59.9	95	18	6.93	T	10							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										30° or Above	32° or Below	32° or Below	5° or Above				Total	Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More	
																								0
ALUM FORK	72.7	45.5	59.1	- 2.5	83	9	32	19	199	0	0	1	0	9.01	3.78	3.10	29	T	0	0	0	8	4	3
ARCADELPHIA	74.6	46.8	60.7	- 1.7	87	8	30	19	161	0	0	2	0	8.75		3.14	24	.0	0	0	0	6	4	3
ASHDOWN	73.7	46.9	60.3M		85	9	29	13	167	0	0	3	0								0	6	4	3
BALD KNOB																								
BATESVILLE LIVESTOCK	68.1	39.9	54.0M		85	10	25	19		0	0	6	0	5.49		1.50	24	.0	0	0	0	11	4	2
BATESVILLE L & D 1	70.7	43.3	57.0		83	8+	26	19	257	0	0	4	0	5.02	.14	.85	24	.0	0	0	0	11	0	0
BEE BRANCH	71.6	44.9	58.3	- 2.2	84	8	29	19	230	0	0	3	0	7.88		2.70	24	.0	0	0	0	11	5	2
BENTON	66.4	41.9	54.2	- 3.5	86	22	27	16+	340	0	0	6	0	4.87	.13	.92	18	T	0	0	0	11	5	0
BENTONVILLE	69.6	45.3	57.5M	- 3.5	86	9	32	18	251	0	0	1	0	4.97	.50	2.35	30	.0	0	0	0	9	4	1
BLYTHEVILLE																								
BOONEVILLE	70.4	44.6	57.5		87	22	28	19	239	0	0	5	0	8.07		2.79	24	.0	0	0	0	12	4	3
BRINKLEY	71.3	46.6	59.0	- 3.0	85	8	30	19	212	0	0	1	0	7.90	2.44	1.80	6	T	0	0	0	11	6	3
CAMDEN 1	74.8	46.8	60.8	- 2.6	87	9	31	19		0	0	1	0	6.86	2.07	2.17	24	.0	0	0	0	6	4	3
CAMP CHAFFEE	70.8	44.3	57.6		87	22	28	19	242	0	0	5	0	8.21		2.83	24	.0	0	0	0	11	4	3
CONWAY	72.5	46.6	59.6	- 2.6	85	8+	32	19	198	0	0	1	0	7.23	2.24	2.32	24	.0	0	0	0	9	5	3
CORNING	66.5	44.8	55.7	- 4.3	86	24	29	19		0	0	1	0	3.59	-1.40	1.33	30	.0	0	0	0	11	4	1
CROSSETT	77.8	48.0	62.9M	- .3	90	9	31	19	112	1	0	1	0	8.51	3.88	3.73	29	.0	0	0	0	8	4	2
CUMMINS FARM	73.1	45.2	59.2		86	9	31	19	195	0	0	1	0								0	0	0	0
DARONELLE	71.5	46.5	59.0	- 3.6	88	9	31	19	212	0	0	1	0	7.03	2.65	1.96	24	.0	0	0	0	11	6	3
DE QUEEN	72.3	46.9	59.6	- 3.7	85	8+	30	13+	182	0	0	2	0	8.05	2.03	2.90	24	.0	0	0	0	6	4	3

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
APRIL 1953

TABLE 2 - CONTINUED

Table with columns for Station, Temperature (Average Maximum, Average Minimum, Average, Departure From Normal, Highest, Date, Lowest, Date, Degree Days), No. of Days (Max., Min.), Precipitation (Total, Departure From Normal, Greatest Day, Date), Snow, Sleet, Hail, and No. of Days (0.1 or More, .50 or More, 1.00 or More).

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Table with 33 columns for days of the month and rows for various stations including Jonesboro, Keo, Lead Hill, Little Rock W8 AP, Lutherville, Magnolia 3 N, Malvern, Mammoth Spring, Marianna, Marked Tree, Marshall, Mena, Monticello, Morrilton, Mount Ida, Mount Magazine, Mountain Home, Mountain Home CE, Mountainburg, Narrows OAM, Nashville, Newport, Nimrod OAM, Okay, Ozark, Paragoulo, Paris, Perryville, Pine Bluff, Pine Bluff CAA AP, Pochontas 1, Portland, Prescott, Rogers, Russellville, Saint Charles, Searcy, Sherioan, and Siloam Springs. Each row includes maximum and minimum temperature data for each day.

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERAT URES

ARKANSAS
APRIL 1953

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	
STUTT GART	MAX	77	67	73	69	66	57	70	86	86	82	70	63	64	71	73	62	77	70	62	60	74	82	84	80	79	74	75	81	79	72.9		
	MIN	50	49	46	42	47	51	43	55	66	48	49	50	36	41	49	38	44	41	33	35	38	51	63	52	59	48	41	53	60	47.5		
STUTT GART 9ESE	MAX	79	69	65	71	67	68	52	67	83	84	68	70	55	61	69	69	60	75	50	59	53	70	79	81	55	71	64	75	79	68.1		
	MIN	47	48	44	43	45	52	43	50	62	48	48	49	35	41	48	38	42	49	33	35	38	44	55	60	58	46	42	48	59	47.0		
SUBIACO	MAX	68	73	67	70	63	57	70	84	86	77	63	56	66	72	67	66	73	69	58	60	79	86	81	77	70	66	80	80	76	75	71.2	
	MIN	46	45	50	35	45	47	47	54	58	42	46	46	34	45	48	34	43	36	34	30	36	51	66	59	53	45	41	56	56	46.2		
TEXARKANA WB AP	MAX	77	72	69	72	64	68	70	84	84	73	76	61	65	72	72	67	82	71	62	62	77	83	81	69	77	70	77	81	72	79	73.0	
	MIN	52	54	52	45	53	53	51	60	64	51	52	41	36	47	47	40	47	40	33	39	41	53	60	53	53	50	47	56	57	49.7		
TURNPIKE	MAX	67	67	58	65	58	47	63	79	81	76	63		61	66	59	58	70	63	50	56	71	81	75	69	70	56	70	75	70	69	66.0	
	MIN	40	39	42	39	41	41	40	53	61	39	37		33	43	44	28	43	27	30	28	41	54	62	49	50	37	43	54	51	42.8		
WALORON	MAX	77	75	65	70	56	58	69	84	86	74	66	62	65	71	64	68	69	69	56	61	77	86	81	70	72	67	79	80	73	77	70.9	
	MIN	44	45	46	31	48	50	45	53	54	41	45	44	29	37	44	34	37	36	27	29	32	43	57	58	47	44	36	60	56	43.5		
WALNUT RIDGE CAA AP	MAX	60	64	62	65	59	51	65	84	83	67	54	50	61	69	64	60	71	48	56	58	68	80	82	72	75	56	69	78	69	80	66.0	
	MIN	49	43	43	36	45	46	39	54	54	44	47	43	35	40	42	35	41	35	31	34	37	50	62	60	50	43	38	54	58	59	44.9	
WARREN	MAX	79	74	78	66	72	63	74	86	85	83	79	68	64	73	72	68	77	77	62	61	72	82	83	74	76	79	75	79	75	82	74.6	
	MIN	46	47	46	46	43	52	44	53	65	49	45	48	34	37	48	37	42	46	30	36	35	51	62	56	59	45	39	49	56	61	46.9	
WHITE ROCK	MAX	65	67	60	62	58	48	60	76	81	74	61	51	59	67	58	57	68	61	52	57	70	80	74	67	68	59	72	74	68	70	64.8	
	MIN	40	39	39	38	40	41	39	54	60	36	41	34	31	42	44	27	44	26	31	29	39	54	61	53	48	35	40	54	51	54	42.1	
WILSON	MAX	65	65	66	64	63	53	68	84	86	70	70	56	65	70	70	67	72	66	60	60	69	81	83	70	72	71	70	83	73	76	69.5	
	MIN	49	45	42	33	42	47	42	49	60	46	49	45	34	43	50	37	40	38	31	35	38	50	60	60	60	48	36	48	53	53	45.4	
WYNNE	MAX	68	62	68	66	65	55	65	80	83	79	65	61	60	69	69	60	72	68	59	66	67	78	84	78	75	72	68	75	75	79	69.7	
	MIN	46	41	46	36	48	48	40	51	66	45	46	47	33	39	49	35	41	39	27	35	38	50	60	57	59	45	38	55	58	59	45.9	

Table 6

EVAPORATION AND WIND

Station		Day of month																															Total or ave
		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	
HOPE	EVAP	.00	.29	.21	.19	*	.10	.19	.13	.18	.20	.17	*	.22	.18	.16	.36	.11	.25	*	.31	.18	.20	.22	-	.22	*	.23	.21	-	-	5.018	
	WIND	20	35	30	30	*	110	48	17	33	51	32	*	94	61	44	68	14	78	*	130	25	30	40	55	40	*	85	25	*	120	1315	
MOUNTAIN HOME CE	EVAP	.28	.09	.15	.10	.07	-.02	.15	.24	.33	.18	.07	.10	.14	.20	.32	.17	.22	.10	.20	.17	.23	.28	.27	.10	.31	.13	.21	.39	.03	5.438		
	WIND	125	55	53	35	35	56	25	73	59	120	57	62	61	27	97	145	36	96	68	100	40	58	88	74	63	124	61	39	135	86	2153	
NARROWS DAM	EVAP	.22	.24	.16	.09	.22	-.03	.14	.15	.24	.23	.07	.08	.19	.30	.29	.20	.24	.15	.19	.21	.22	.26	-	.03	.28	.26	.25	-.07	5.578			
	WIND	33	28	23	22	23	19	8	33	32	40	25	29	33	23	65	56	23	90	35	56	17	31	52	49	20	48	44	33	91	45	1126	
NIMROD DAM	EVAP	.33	.15	.14	-.18	.25	-.10	.22	.24	*	.32	.07	.19	.26	.32	.23	.17	.08	.27	.17	.24	.22	.15	.07	.04	.04	-.04	-.09	5.248				
	WIND	99	28	10	66	8	1	6	16	24	40	9	24	16	23	45	98	48	52	21	86	46	17	35	51	3	113	68	27	68	39	1127	
RUSSELLVILLE	EVAP	.23	.15	.06	.10	.10	.05	.13	.15	.18	.23	.11	.08	.12	.14	.26	.22	.10	.12	.15	.17	.16	.15	.14	.16	.16	.21	.22	.19	.16	-.12	4.528	
	WIND	22	13	20	12	24	16	34	30	18	29	19	22	13	22	42	37	23	20	32	21	17	17	18	31	34	43	17	25	35	31	737	
STUTT GART 9 ESE	EVAP	.05	.13	.07	.14	.16	-.02	.11	.19	.21	.08	.12	.14	.18	.15	.28	.13	.22	.12	.09	.17	.14	.24	.25	*	.26	.27	.19	.17	.01	4.448		
	WIND	70	40	10	30	30	40	10	40	60	80	30	30	20	20	80	90	20	150	30	80	30	90	150	40	130	85	65	50	140	90	1830	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

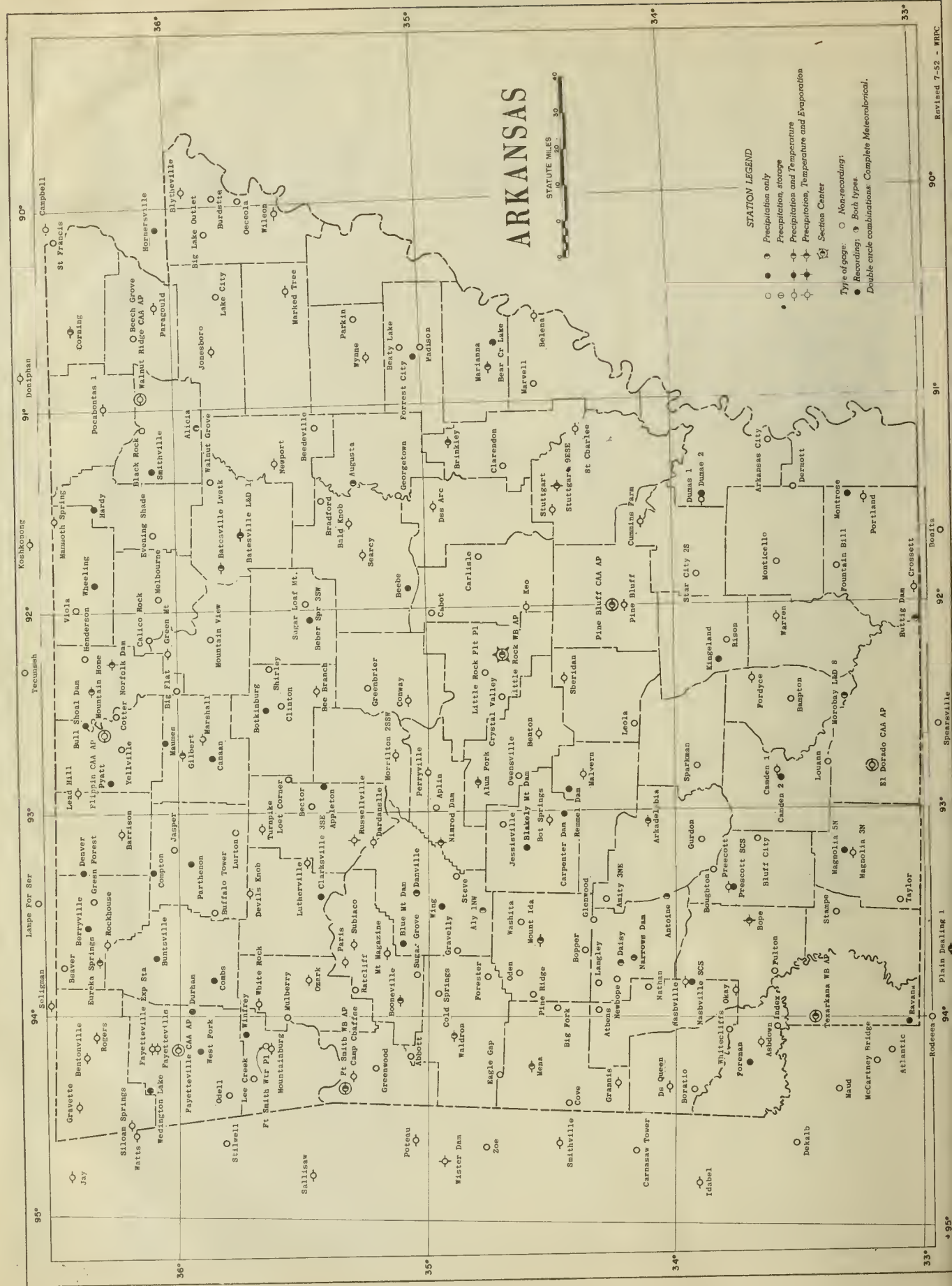
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO. -- 6-8-53 -- 995

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
V.58⁵⁰

~~Met. Hist.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

MAY 1953

Volume LVIII No. 5

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. POSTAGE
OFFICIAL BUSINESS
Permit No. 1024



THE LIBRARY OF THE
JUL 20 1953
UNIVERSITY OF ILLINOIS

Use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

ARKANSAS - MAY 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Below-normal temperatures and frequent general rains prevailed over the State until the 19th, giving way to bright sunshine and above normal temperatures after that date.

Rainfall was frequent and widespread during the first 19 days of the month, with only a very few isolated showers reported after that date. The average monthly precipitation for the State was 7.59 inches, which is 2.48 inches above the normal. Monthly totals at individual stations ranged from 2.20 inches at Henderson 2 W to 16.75 inches at Warren. The greatest daily precipitation was 5.70 inches at Bald Knob on the 11th. Scattered light hail was reported over Northeastern Arkansas on the 10th. Locally heavy hail occurred in the Blue Springs area of Bradley County on the 12th. Light hail was reported at Rison on the 16th. There was an average of 11 days with 0.01 inch or more of precipitation during the month.

The monthly mean temperature for the State was 70.1°, which is 1.0° above the normal. Monthly mean temperatures over the State ranged from 64.4° at Turnpike to 73.3° at Dumas No. 1. The highest temperature reported was 99° at Gravette on the 28th, Arkadelphia on the 29th and Wilson on the 31st. The lowest temperature reported was 38° at Mammoth Spring on the 6th, 8th and 9th. There was an average of eight days on which temperatures rose to 90° or higher.

Unfavorable weather prevailing until the 19th of May, seriously interfered with the preparation of seed beds and the planting of cotton, rice, corn, soybeans and other crops. Cool, wet soils caused slow and uneven germination in most areas.

At the beginning of the month, only 40 to 50 percent of the State's cotton acreage had been planted. By the end of the third week, the work was about 20 days behind schedule. Much of the cotton that was planted came up to uneven stands. Seedling diseases also caused some damage. Much early planted cotton became so grassy as to pose a serious problem. Many farmers chose to replant rather than to go to the expense of hoeing. The advent of dry weather after the 19th brought a sharp upswing in planting, cultivating and chopping. Much April planted cotton was replanted. By the close of the month, plantings made after the rains were up to good stands.

The problem facing the rice growers proved to be even more serious than that facing the cotton farmers. By the 19th, only about 10-15 percent of the State's rice acreage had been planted. A few fields were "water seeded" or "mudded in", but no important acreage was handled in this manner. There was no general improvement in the situation until the closing week when rapid progress was reported. Approximately 80 percent of the crop had been seeded by the close of the month.

While corn fared some better than cotton, the weather of the first 19 days of the month was unfavorable for the crop. Warm, sunny weather during the remainder of the month proved to be very favorable. As a result, the crop made rapid progress. Most early corn had been cultivated and some side dressed with nitrogen by the close of the month.

Very few soybeans were planted until late in the month, and planting was only about 50 percent completed by the close. At that time, early soybeans were up and making a good growth.

Small grains made generally good progress during the month and ripened rapidly the last two weeks. A few fields of oats had been combined by the close of the month. Pastures and meadows continued in good to excellent condition. A very fine cutting of hay was harvested in nearly all sections during the last week.

The strawberry harvest was at its peak in the principal producing areas during the first two weeks. Berries were generally of excellent quality, but there was some deterioration due to excessive moisture. This was especially noticeable during the 3rd week.

Truck crops, gardens and fruit generally fared well during the month. A few early peaches were marketed near the close of the month.

STORMS

During the afternoon of May 3rd, lightning struck a house at Earle. The resulting fire destroyed the house and furnishings.

Several storms occurred on May 10th. At 12:10 p.m., several persons to the southwest of Russellville witnessed two small tornado funnels travelling from southwest to northeast. These merged into one funnel just before reaching the city. Several buildings near the fairgrounds were damaged and a portable roller rink destroyed. At 12:30 p.m., a windstorm damaged a house and unroofed several garages and outbuildings. Between 2:30 and 3:00 p.m. a wind and hailstorm struck Weiner in Poinsett County, injuring 5 persons and damaging a house. The hail was very light and caused no damage. Lightning destroyed one house and damaged another in Carlisle at 3:00 p.m. A windstorm destroyed a barn and a truck at Rector during the afternoon; there was also some hail, but damage from this source was negligible. Between 4:10 and 4:20 p.m., a hail and windstorm struck the Zion-Franklin area of northeastern Izard County. One barn was destroyed and several buildings damaged. There was considerable damage to timber. Stones averaging 1/2 inch in diameter, with some as large as 1 inch, covered 35 percent of the ground. Two farm houses near Dumas were destroyed by lightning at 6:30 p.m. A wind and hailstorm struck Newport during the afternoon. The screen of a drive-in theater was destroyed along with some minor property damage. No hail damage was reported.

A number of storms occurred on May 11th. At 2:00 a.m., lightning destroyed a house near Foreman. At 1:00 p.m., lightning damaged an apartment building in the Rose City area of North Little Rock. Between 2:00 and 2:05 p.m., wind tore the hall ceiling out of the High School Building at Siloam Springs. At 4:00 p.m., lightning destroyed a house at Slaty Crossing in Yell County. A windstorm at Monticello at 7:30 p.m. damaged one house.

May 12th was also stormy. At 10:00 a.m., lightning severely damaged a house in the West Fork Community of Washington County. At 12:00 noon, lightning extensively damaged a house at Mulberry. Between 2:15 and 2:30 p.m., a windstorm damaged one house, one barn and several shade trees at the Shiloh Community of Grant County. Between 2:40 and 3:00 p.m., a windstorm struck Rison, damaging a half block area to the north of the railroad. At 3:00 p.m., a windstorm destroyed a private garage at Macedonia. Between 4:00 and 5:00 p.m., a hail and windstorm struck the Blue Springs, Hope Well and Centerpoint Communities in northwestern Bradley County. The hailstones averaging 1 1/2 inches in diameter with some up to 7 inches in circumference covered the ground to a depth of 2.00 inches.

During an electrical storm at Little Rock at 6:20 a.m. of the 16th, lightning severely damaged a business building in the downtown area. At 5:30 p.m. of the 16th, hail damaged tomatoes in the Rison area.

FLOODS

General moderate to heavy rains began over the State during the night of the 10th and continued through the 18th. The heaviest fall occurred between the 10th and 13th, giving storm totals that averaged near 5 inches over the Ouachita watershed and over 5 inches on the Lower Black and middle White River Basins.

These rains caused sharp rises on the Ouachita at Arkadelphia and Camden, with extensive flooding of the Ouachita and tributaries in the Camden area. This was due in part to the relatively high stages which prevailed even before the occurrence of the heavy rains, caused by continued high water from the previous month.

The White River was above flood stage at Clarendon for the entire month, and at St. Charles from the fifth through the 31st. The flooding during the early part of the month was caused by rains in late April. The White River at Georgetown and Des Arc was above flood stage from the 15th to the 25th. The Little Red at Judsonia showed a sharp rise on the 14th, cresting at 30.8 ft. on that date.

Flood damage was heaviest along the Ouachita and its tributaries below Rammel Dam. Total flood damage was estimated at \$59,000. Fifteen thousand acres of farm land were inundated with damage to cotton and corn estimated at \$12,000, damage to livestock at \$9,000, and building damage at \$4,000. Damage to other than rural property totaled \$11,000. Operations were suspended at the Smackover Oil Field for several days. Total loss of income and wages in the basin was estimated at \$21,000.

Flooding on the White River at Georgetown and below caused little damage except for the loss of the use of lowlands during the flood period.--JFR.

SUPPLEMENTAL DATA

ARKANSAS
MAY 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	16	8.8	30	S	1	84	85	59	60	4	1	4	0	2	0	11	70	4.7
LITTLE ROCK WB AIRPORT	SSW	17	9.4	38	E	11	83	89	61	65	1	3	5	3	2	0	14	64	6.1
TEXARKANA WB AIRPORT	S	17	8.5	-	-	-	86	90	65	69	2	2	3	3	0	13	-	-	5.8

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	67.0	97	36	2.78	0.0	7	1916	71.6	99	34	3.56	0.0	6	1941	71.4	97	40	2.22	0.0	6
1892	76.8	95	36	9.52	0.0	13	1917	63.0	97	31	3.15	0.0	6	1942	68.0	100	36	3.89	0.0	8
1893	65.6	94	38	9.71	0.0	11	1918	72.3	102	29	3.01	0.0	4	1943	71.0	95	38	7.89	0.0	10
1894	70.1	95	35	3.40	T	7	1919	66.8	96	38	6.01	0.0	12	1944	70.3	96	28	6.42	0.0	12
1895	69.0	97	36	3.91	0.0	8	1920	70.8	96	39	8.17	0.0	12	1945	66.2	99	32	5.23	0.0	7
1896	74.3	98	46	3.54	0.0	7	1921	69.7	99	29	2.25	0.0	5	1946	66.4	93	33	9.47	0.0	14
1897	68.3	99	33	2.13	0.0	5	1922	70.8	100	40	5.00	0.0	11	1947	67.4	95	35	5.50	0.0	9
1898	72.1	100	30	6.44	0.0	7	1923	67.2	98	27	8.24	0.0	12	1948	68.7	97	35	5.15	0.0	9
1899	72.9	96	44	6.45	0.0	10	1924	64.6	94	30	4.64	0.0	8	1949	71.3	94	30	5.29	T	10
1900	69.3	97	37	3.69	0.0	9	1925	68.0	102	26	1.88	0.0	4	1950	69.7	95	40	8.12	T	11
1901	68.2	100	31	2.95	0.0	7	1926	69.7	107	29	2.42	0.0	5	1951	69.1	101	33	1.93	T	5
1902	73.2	100	42	4.34	0.0	8	1927	71.7	97	32	6.54	0.0	9	1952	68.9	100	31	4.14	T	7
1903	67.5	96	24	7.47	0.0	12	1928	69.5	98	34	3.60	0.0	8	1953	70.1	99	38	7.59	T	11
1904	67.1	98	31	3.39	0.0	8	1929	67.6	97	30	6.31	0.0	13	All Years	69.3			5.09	T	
1905	70.7	98	38	9.58	0.0	12	1930	68.8	95	37	10.06	0.0	12							
1906	68.8	100	28	4.71	0.0	8	1931	65.2	96	27	3.45	0.0	8							
1907	63.8	91	31	9.48	0.0	13	1932	69.5	96	35	1.96	0.0	5							
1908	70.0	96	30	7.05	0.0	10	1933	71.8	96	41	6.27	0.0	10							
1909	67.0	92	28	6.76	0.0	10	1934	70.3	103	35	3.36	0.0	7							
1910	66.0	95	31	6.56	0.0	11	1935	66.7	94	35	8.86	0.0	12							
1911	70.8	101	26	1.11	0.0	3	1936	70.9	96	35	2.50	0.0	7							
1912	69.9	98	32	2.41	0.0	6	1937	71.1	99	36	3.63	0.0	7							
1913	69.3	99	35	3.32	0.0	7	1938	70.2	97	34	4.62	0.0	9							
1914	69.5	97	34	3.34	0.0	6	1939	69.4	96	34	4.85	0.0	10							
1915	69.9	101	34	5.58	0.0	9	1940	66.6	96	33	3.82	0.0	9							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature									Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days					
														Total	Max. Depth on Ground	Date	.01 or More	.50 or More				
																			1.00 or More	or More		
8" or Above	3" or Below	2" or Below	1" or Below	Max.	Min.																	
ALUM FDRK	81.4	58.8	70.1M	2.0	93	27+	43	6	42	6	0	0	0	9.72	4.08	2.00	12	.0	0	11	8	4
ARKADELPHIA	84.1	59.5	71.8	1.0	99	29	45	6	27	11	0	0	0	9.02	3.82	2.84	11	.0	0	12	7	4
ASHDOWN	83.0	60.0	71.5M		94	28+	45	7	23	10	0	0	0	10.01		4.00	11	.0	0	10	6	4
BALD KNDS	80.3	59.7	70.0		95	29+	46	8	45	6	0	0	0	9.97		5.70	11	.0	0	9	5	2
BATESVILLE LIVESTOCK	79.8	55.0	67.4M		95	27	41	6	5	0	0	0	0	4.03		1.06	11	.0	0	11	3	1
BATESVILLE L & D 1	80.8	57.3	69.1		95	26	40	6	59	8	0	0	0	4.17	-.76	1.28	11	.0	0	10	3	1
BEE BRANCH	81.1	59.0	70.1	1.9	94	27+	44	6	44	6	0	0	0	8.47		2.02	11	.0	0	12	7	4
BENTON	77.9	55.4	66.7	1.2	93	31	43	2+	6	0	0	0	0	2.39	-2.70	1.20	12	.0	0	8	1	1
BENTONVILLE	80.2	61.4	70.8M	.6	98	30			6	0	0	0	0	7.57	3.98	1.40	11	.0	0	14	6	3
BLYTHERVILLE	82.1	58.8	70.5		96	29+	40	6	53	11	0	0	0	4.68		1.52	12	.0	0	8	3	2
BDDNEVILLE	82.0	61.3	71.7	1.7	96	26+	48	8+	31	8	0	0	0	11.54	6.15	1.90	16	.0	0	13	9	2
BRINKLEY	82.1	61.2	71.7	.7	96	28	50	6	7	0	0	0	0	7.37	3.06	2.35	12	.0	0	9	7	2
CAMDEN 1	80.4	59.3	69.9		95	31	43	8	59	10	0	0	0	4.14		1.82	12	.0	0	8	3	3
CAMP CHAFFEE	81.9	60.6	71.3	1.3	95	26+	46	6	36	11	0	0	0	7.64	2.47	2.42	11	.0	0	13	4	3
CDNWAY																						
CDRNING	79.4	59.7	69.6	1.2	97	27	45	14	5	0	0	0	0	2.79	-1.65	.83	16	.0	0	12	2	0
CRDSSETT	85.5	60.3	72.9	1.5	97	27+	44	6	10	10	0	0	0	10.02	5.88	2.72	4	.0	0	13	7	4
CUMMINS FARM	83.6	59.9	71.8		97	27+	47	6	22	10	0	0	0	14.35		3.50	17	.0	0	11	8	6
DARDANELLE	81.3	61.1	71.2	.9	95	29	45	6	41	9	0	0	0	3.99	-1.33	1.42	13	.0	0	9	2	2
DE QUEEN	81.6	60.0	70.8	.4	95	29	41	6	30	8	0	0	0	11.39	6.10	3.57	12	.0	0	9	5	4

See reference notes following Station Index.

Table 5

DAILY TEMPERATURES

ARKANSAS
MAY 1953

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	
ALUM FORK	MAX	87	83	81	79	68	71	76	79	82	78	66	66	64	68	62	80	85	83	83	89	87	89	88	88	89	92	93	90	93	91	93
	MIN	51	50	50	51	43	48	45	52	59	60	57	56	47	50	48	66	63	57	67	67	73	67	69	69	64	70	65	60	73	66	
ARKADELPHIA	MAX	87	84	76	70	75	76	80	84	85	81	68	72	73	62	60	87	87	85	84	89	91	92	95	94	92	96	98	95	99	95	
	MIN	52	48	50	55	50	45	52	48	54	61	60	59	59	51	53	58	61	66	59	57	61	69	74	69	68	66	69	68	61	73	
ASHDOWN	MAX	81	80	78	72	77	82	85	85	79	72	74	78	67	66	80	85	83	82	85	89	91	90	90	90	90	91	94	94	93		
	MIN	48	47	54	48	49	45	59	59	66	57	58	52	53	53	58	62	65	57	57	71	72	71	70	63	64	63	68	67	76		
BALO KNOB	MAX	84	79	79	76	68	69	73	78	79	81	66	70	64	58	58	85	84	79	81	83	86	89	88	90	89	93	91	87	95		
	MIN	53	49	52	58	52	48	52	46	50	55	62	63	56	47	52	58	60	65	61	58	66	75	70	72	73	64	73	63	61		
BATESVILLE LIVESTOCK	MAX	81	87	80	83	59	68	68	75	80	81	82	67	68	59	60	68	84	85	82	81	84	83	90	89	88	88	95	85	91		
	MIN	50	45	42	52	48	41	45	42	45	58	61	57	56	44	45	55	53	64	57	55	55	68	70	72	67	71	59	56	63		
BATESVILLE L AND O NO 1	MAX	85	82	82	78	67	67	71	78	82	81	68	70	65	60	59	81	85	81	82	84	85	90	90	89	90	95	90	88	93		
	MIN	50	44	43	54	52	40	49	42	45	51	62	59	54	46	48	57	60	65	60	56	70	70	68	70	65	71	62	56	74		
BEE BRANCH	MAX																															
BENTON	MAX	85	82	78	69	71	72	76	78	84	79	69	69	66	61	61	85	83	82	82	85	89	89	89	89	88	92	94	91	94		
BENTONVILLE	MAX	76	73	70	62	60	59	69	72	81	77	79	64	55	63	69	74	82	81	79	85	87	90	90	87	88	92	87	89	91		
BLYTEVILLE	MAX	83	82	86	68	68	72	68	79	81	83	69	74	63	54	68	82	82	75	80	83	83	88	88	93	93	96	82	90	98		
BOONEVILLE	MAX	82	79	77	73	67	70	73	80	85	80	71	67	65	65	67	80	85	85	83	89	90	94	91	91	92	94	94	90	96		
BRINKLEY	MAX	84	82	84	76	68	71	73	78	82	82	67	77	72	65	60	85	82	81	80	85	88	89	88	91	90	96	93	91	96		
CAMDEN 1	MAX	81	82	86	84	66	73	74	81	81	82	79	74	80	77	69	89	79	79	76	79	83	86	88	89	90	91	91	96	93		
CAMP CHAFFEE	MAX	80	77	73	58	65	69	72	77	83	80	72	67	66	67	67	77	82	84	81	88	89	93	90	90	90	93	91	90	94		
CONWAY	MAX	82	81	81	74	69	71	75	79	82	81	68	67	65	63	62	85	84	84	82	88	90	92	90	91	92	95	92	90	98		
CORNING	MAX	80	84	78	82	61	67	67	72	78	82	78	71	72	62	56	83	82	84	79	79	84	86	88	84	92	94	97	85	88		
CROSSETT	MAX	86	86	86	76	72	77	82	84	84	84	83	85	81	79	67	86	81	83	83	87	89	91	93	92	91	92	95	94	95		
CUMMINS FARM	MAX	84	84	85	77	70	71	75	78	82	84	71	81	77	69	67	85	83	80	81	85	88	90	90	93	90	94	97	93	97		
DARDANELLE	MAX	85	78	81	78	65	69	73	76	85	80	71	67	65	64	63	81	82	84	80	87	88	93	90	90	91	93	91	88	95		
DE QUEEN	MAX	79	82	81	78	72	78	80	81	82	75	70	70	68	64	61	80	83	76	82	87	89	90	89	88	90	90	92	91	95		
DES ARC	MAX	80	85	82	80	68	67	71	72	76	81	83	67	75	75	56	69	86	82	82	80	85	89	90	90	91	91	93	90	88		
DEVILS KNOB	MAX	77	77	78	72	63	69	74	76	72	70	60	59	61	72	78	80	82	81	87	88	87	85	89	87	88	87	85	89	88		
DOUMAS 1	MAX	84	85	85	77	71	75	76	78	77	85	75	82	78	70	65	84	85	80	81	87	89	91	91	94	92	95	96	91	96		
EL DORADO CAA AP	MAX	85	86	88	67	71	71	80	84	85	84	78	80	78	60	66	86	83	79	82	87	88	90	91	91	90	93	96	95	95		
EUREKA SPRINGS	MAX	75	72	74	65	58	58	66	77	83	75	77	62	61	62	65	71	80	79	78	85	86	88	89	85	86	92	85	88	89		
FAYETTEVILLE	MAX	75	73	71	62	59	61	66	78	81	75	79	63	59	63	66	73	79	80	85	85	89	88	87	87	90	90	88	91	89		
FAYETTEVILLE CAA AP	MAX	76	72	70	58	59	62	64	78	79	74	78	66	55	62	69	73	80	79	79	83	85	89	86	86	86	90	90	87	91		
FAYETTEVILLE EXP STA	MAX	73	73	69	66	59	61	64	76	80	78	77	64	63	62	65	72	78	79	78	82	85	88	86	86	86	90	88	87	90		
FLIPPIN CAA AP	MAX	82	77	77	62	64	63	68	77	82	79	71	64	57	62	61	77	83	80	80	85	85	91	90	89	91	95	82	86	94		
FORDYCE	MAX	87	86	83	74	71	75	78	85	82	79	77	66	68	63	87	83	80	81	87	89	90	91	92	90	94	95	93	95	94		
FORT SMITH WB AP	MAX	80	76	78	62	64	69	70	78	84	79	73	67	62	66	67	75	82	83	82	91	90	94	91	92	92	93	92	90	95		
GILBERT	MAX	77	83	79	80	73	75	67	72	78	81	77	67	64	55	64	61	80	84	81	80	84	84	92	90	87	89	94	88	88		
GRANNIS	MAX	82	81	80	70	70	72	75	79	79	74	70	65	64	64	62	78	81	83	78	82	86	88	84	84	85	87	90	88	91		
GRAVETTE	MAX	73	71	67	64	60	57	68	77	83	79	79	69	55	65	70	73	80	78	60	85	87	89	89	87	87	94	99	98			
GREEN MOUNTAIN	MAX																															
HARRISON	MAX	80	75	77				76	81	75	72	63	63	63	59	75	85	81	80	85	86	91	91	87	90	94	91	88	92			
HELENA	MAX	84	83	87	81	67	71	72	77	82	84	75	81	78	67	67	85	84	76	80	85	87	89	89	92	90	94	93	90	97		
HOPPE	MAX	79	86	80				68	81	80	80	81	65	75	75	60	69	85	86	82	82	85	89	90	86	91	91	94	94			
HOT SPRINGS	MAX	87	84	82	74	71	70	78	81	84	80	67	66	65	61	60	85	84	84	81	86	88	89	90	89	90	93	93	92	95		

DAILY TEMPERATURES

ARKANSAS
MAY 1953

Table 5-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	
STUTTGART	MAX	85	84	85	77	70	75	75	79	83	84	67	77	75	65	66	87	84	83	81	87	89	90	91	93	91	95	95	90	97	93	96	83.5
	MIN	57	52	57	63	55	51	54	50	55	61	61	61	61	50	54	60	65	65	63	62	69	74	75	73	71	70	74	66	65	71	70	62.4
STUTTGART 9ESE	MAX	79	82	85	84	68	68	71	72	77	81	81	67	76	75	57	69	84	81	79	80	84	87	89	93	91	91	93	94	89	96	92	81.1
	MIN	57	52	57	58	55	50	54	50	54	61	62	61	61	49	49	54	64	65	63	63	68	72	74	73	71	69	69	65	66	71	66	61.4
SUBIACO	MAX	81	78	79	73	65	69	73	78	84	78	74	68	65	66	66	78	84	84	81	88	89	93	92	90	92	95	93	90	96	94	96	81.7
	MIN	58	52	48	56	51	48	51	48	58	64	59	54	56	56	50	54	63	58	60	63	69	77	72	73	72	71	71	70	68	77	67	61.1
TEXARKANA W8 AP	MAX	86	82	74	63	71	72	80	84	84	78	73	75	71	62	66	84	85	81	82	86	89	91	91	91	91	90	94	94	95	92	92	82.2
	MIN	59	55	55	51	46	48	50	52	62	67	59	62	58	54	55	65	64	61	57	64	71	74	73	72	71	70	70	72	72	73	72	62.4
TURNPIKE	MAX	79	74	77	72	67	61	68	74	77	73	69	59	58	61	61	72	77	75	74	79	78	84	81	80	83	87	82	83				73.8
	MIN	57	53	52	43	44	44	45	49	56	57	55	54	46	41	49	53	54	58	53	58	65	69	69	69	57	68	58	62				54.9
WALDRON	MAX	82	78	77	73	67	70	72	82	83	81	74	67	67	62	65	80	85	84	81	89	90	93	89	90	91	93	94	92	95	93	95	81.7
	MIN	56	46	43	53	49	39	42	42	58	63	61	57	55	50	54	57	56	61	56	56	72	76	68	72	71	65	67	68	65	74	63	58.5
WALNUT RIDGE CAA AP	MAX	84	76	80	60	66	66	69	77	80	82	69	72	62	56	60	82	81	78	79	83	84	89	87	90	90	95	86	87	95	92	95	79.1
	MIN	58	51	52	54	53	48	52	50	52	61	62	61	46	46	52	60	61	64	61	62	69	76	73	73	74	71	68	63	63	74	69	60.6
WARREN	MAX	85	86	87	76	72	75	79	78	86	82	77	82	78	66	65	86	84	82	84	86	89	91	91	92	93	93	95	93	95	95	94	84.4
	MIN	53	53	56	62	51	45	54	48	54	60	58	58	59	49	52	60	64	62	63	64	65	71	69	69	67	68	67	67	63	66	67	60.1
WHITE ROCK	MAX	77	75	74	61	65	64	67	72	77	74	70	62	59	62	62	70	76	81	75	82	80	85	86	83	85	85	82	86	84	84	85	75.2
	MIN	57	53	51	50	43	45	45	52	57	60	52	51	40	43	50	54	55	55	54	58	64	68	68	65	67	69	63	68	67	67	69	56.8
WILSON	MAX	80	83	78	68	63	72	70	77	82	86	83	75	72	63	63	83	80	79	86	87	89	90	94	92	98	94	94	96	98	99	82.5	
	MIN	57		65	63	55	49	53	50	54	62	63	62	62	48	55	63	63	63	60	68	73	73	73	73	70	73	73	70	69	70	63.1	
WYNNE	MAX	82	80	82	76	67	69	70	77	80	80	67	64	76	63	60	77	80	78	80	83	85	88	87	89	88	93	88	89	94	91	93	79.9
	MIN	57	48	58	60	54	49	49	47	50	59	60	58	55	45	50	58	60	63	60	60	67	73	72	71	70	68	73	63	66	72	66	66.8

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total of ave
		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	
HOPE	EVAP	-	.12	.09	*	.09	.09	.45	.21	.12	.16	.20	-	.11	-	-	.29	.12	.15	.17	.23	.20	.28	.21	.26	.23	.23	.14	.29	.30	.26	5.968	
	WIND	78	17	25	28	32	28	33	17	20	26	72	32	53	27	47	11	20	17	8	37	43	52	42	15	21	32	8	10	27	5	20	900
MOUNTAIN HOME	EVAP	.23	.34	.21	.24	.09	.13	.09	.11	.20	.29	.11	.08	.06	.06	.07	.08	.20	.27	.15	.21	.31	.23	.26	.26	.30	.29	.28	.24	.27	.27	.34	6.27
	WIND	89	94	33	36	43	52	42	17	17	75	52	37	29	40	10	54	58	45	27	18	104	82	72	46	81	49	32	44	35	45	23	1481
NARROWS OAM	EVAP	.25	.25	.24	.21	.06	.18	.19	.23	.25	.16	-	-	.14	.05	.04	.16	.23	.17	.32	.20	.26	.23	.28	.26	.20	.28	.20	.28	.27	.34	6.688	
	WIND	23	31	16	24	28	15	25	16	18	40	24	22	16	6	3	7	10	12	12	4	47	70	35	26	20	19	6	5	7	28	23	638
NIMROO OAM	EVAP	.27	.29	.19	.20	*	.14	.15	.16	.21	.26	.09	.02	-	.03	.07	.02	.23	.17	.20	.19	.28	.14	.27	.27	-	.30	.27	.22	.26	-	.34	5.808
	WIND	63	57	17	9	50	42	41	16	7	33	11	6	9	2	3	7	23	9	18	4	52	17	36	19	26	*	34	6	5	17	21	660
RUSSELLVILLE	EVAP	.22	.22	.22	.09	.08	.13	.12	.21	.20	.16	.07	-	-	.17	.09	-	.18	.25	.18	.24	.16	.22	.28	.20	.26	.24	.25	.25	.30	.28	.26	6.128
	WIND	31	18	9	11	25	18	17	13	26	42	8	14	11	3	20	23	10	13	11	20	16	26	18	17	18	9	14	20	26	18	10	537
STUTTGART 9 ESE	EVAP	.23	.17	.32	.08	.11	.13	.16	.17	.16	.27	.30	-	-	.13	.06	.04	-	.17	.06	.19	.23	.17	.28	.27	.28	.23	.22	.27	.20	.30	.21	5.998
	WIND	100	80	20	10	50	20	70	10	10	50	60	90	30	40	10	40	100	40	40	40	35	65	150	180	30	80	100	30	20	30	45	95

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall average in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

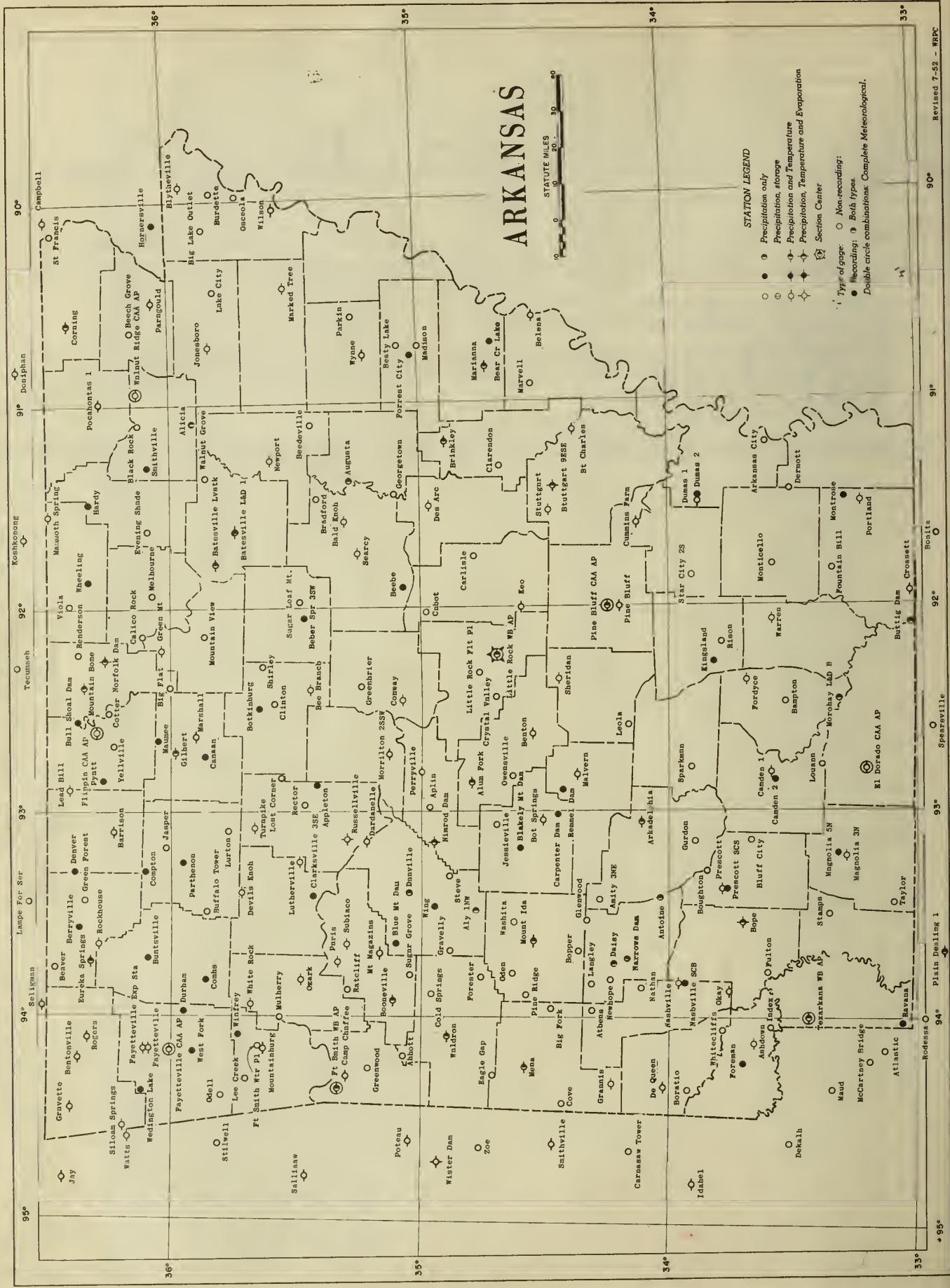
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 7-10-53 -- 1005

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
V. 58⁶

~~NAT HIST.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

SEP 2 1953

JUNE 1953
Volume LVIII No. 6

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024



Penalty for private
use to avoid pay-
ment of postage
\$300.

~~NAT HIST.~~

KANSAS CITY: 1953

ARKANSAS - JUNE 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

This was the hottest and second driest June in Arkansas since statewide records were begun in 1891. Most crops suffered considerable drought damage during the month.

The monthly mean temperature for the State was 83.4°, which is 6.3° above the normal. This exceeded the previous record of 82.3°, established in June of 1914 and again in 1925, and was 1.3° above the 82.1° mean temperature of June 1952. Monthly mean temperatures at individual stations ranged from 78.1° at Mount Magazine to 86.9° at Subiaco. The highest temperature recorded was 108° at Subiaco on the 19th and at Hot Springs on the 21st. The lowest temperature recorded was 51° at Mammoth Spring on the 3rd. There was an average of 28 days on which temperatures rose to 90° or higher.

The average monthly precipitation for the State was 0.63 inch, which is 3.48 inches below normal, making this the second driest June on record in Arkansas. The driest June was in 1952 when the monthly average precipitation for the State was 0.49 inch. Monthly totals at stations over the State ranged from no precipitation during the month at seven stations to 4.76 inches at Stuttgart. There was an average of two days with 0.01 inch or more of precipitation.

The hot, dry weather that began during the last two weeks of the preceding May continued throughout June. While extremely welcome after the excessively wet and cool weather of the preceding spring, the drought began to affect some crops adversely during the latter half of June.

There was a heavy seeding of late cotton during the first two weeks of the month. By mid-month most of the crop had been planted. Chopping progressed rapidly and a very clean early crop was in evidence by the end of the second week. Some late plantings, especially on heavy soil, were badly in need of moisture for proper germination and growth. By the close of the third week most early cotton had begun to bloom.

Early corn made good to excellent progress during the first half of the month but was seriously in need of rain during the latter half. By mid-month most of the early acreage had been fertilized and "laid by". The adverse effects of the drought on early plantings became apparent during the closing week. Like cotton, late plantings of corn were in need of rain for proper germination and growth, but most stands were holding up fairly well.

The seeding of rice was completed early in the month. By the close of the first week early sown fields were up to good stands and growing nicely and some had been flooded. During the last half of the month heavy watering was necessary to offset rapid evaporation. By the close of the month some apprehension of a water shortage was felt.

The growth of early soybeans was slowed somewhat by the hot dry weather, but generally the crop made good progress. Dry soil interfered with the germination and growth of late plantings. Stands were poor on many late planted fields.

The harvest of fall sown grains was completed by the end of the month. Some very good yields were obtained, although they did not quite come up to earlier expectations.

The first half of the month was nearly ideal for putting up hay. Excellent quality cuttings of oats, alfalfa, clover and meadow grasses were put up. The growth of lespedeza was slowed by lack of moisture. The weather during the last half of the month was unfavorable for the growth of hay crops, but some good cuttings were obtained.

Pastures suffered severely from the hot dry weather, except for a brief period of rapid growth during the opening days of the month. A rapid deterioration set in during the second week, especially in the uplands. By the close of the month the situation had become critical. Cattle began the month in excellent condition and continued to make gains during the first two weeks. Most herds held up well during the remainder of the month but the feed situation had become critical by the close.

The month's weather was generally unfavorable for fruit and truck crops. Many crops deteriorated during the month, and most yields were short. Some irrigated fields of snapbeans and cucumbers did well, while most non-irrigated fields of these crops were practically failures.

STORMS

At 2:30 p.m. of the 7th a hailstorm occurred in the Huffman area of Mississippi County. Some stones as large as baseballs were reported. No damage resulted.

During the late afternoon and early evening of June 11th, a series of severe wind and thunderstorms progressed southwestward from Piggott in eastern Clay County over a wide, irregular path to Hot Springs in Garland County and Malvern in Hot Spring County. The storms were first reported at Piggott at 3:30 p.m., reached Searcy at 5:30 p.m., Little Rock at 6:00 p.m., and Malvern at 7:00 p.m. The duration of the storms at points along the path was approximately one-half hour. The principal wind damage was at Piggott, where losses totaled \$80,000. Damage in most areas was confined to roofs, windows, signs, and shade trees. Hail occurred in eastern Clay County where crop damage amounting to \$25,000 was reported. Four persons were injured in the storms. The total property damage over the State was estimated at \$200,000.

During the late afternoon of the 11th winds accompanying a local thunderstorm destroyed a hangar at the Ozark Municipal Airport. Planes stored in the hangar were undamaged. Total loss was estimated at \$1,000.

During the afternoon of the 11th some very small hail fell during a thunderstorm at Dyees in Mississippi County. No damage resulted.

During the late afternoon of the 23rd hailstones ranging up to one inch in diameter fell during a thunderstorm at McDougal in Clay County. Very little damage was reported.

FLOODS

Flooding during the month of June was confined to the White River at Clarendon and below and was due to continued high water from the previous month. The river was above flood stage at Clarendon from the beginning of the month until the 5th and at Saint Charles until the 6th. Flood damage was negligible.--JFR

SUPPLEMENTAL DATA

ARKANSAS
JUNE 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	NE	18	7.9	38	NW	5	69	79	44	40	1	2	1	0	0	0	4	91	2.5
LITTLE ROCK WB AP	SSW	20	8.5	60	NE	11	73	78	45	48	4	2	0	0	0	0	6	83	3.2
TEXARKANA WB AP	S	18	7.0	-	-	-	76	83	48	48	0	1	2	0	0	0	3	-	2.7

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	77.9	103	56	3.71	.0	17	1916	75.4	99	43	5.15	.0	8	1941	76.2	103	47	4.01	.0	8
1892	76.9	103	40	3.87	.0	8	1917	75.2	105	37	4.87	.0	6	1942	77.2	104	45	4.54	.0	11
1893	76.3	99	49	5.20	.0	9	1918	80.5	110	49	3.55	.0	7	1943	79.8	102	47	2.86	.0	7
1894	78.6	106	42	1.39	.0	4	1919	76.9	101	45	5.11	.0	10	1944	79.2	102	48	3.04	.0	6
1895	76.9	100	47	5.94	.0	10	1920	74.7	101	42	3.41	.0	6	1945	75.2	98	43	9.26	.0	11
1896	77.7	103	48	1.91	.0	5	1921	78.5	103	46	4.84	.0	11	1946	75.6	99	41	2.12	.0	5
1897	78.0	106	41	3.48	.0	6	1922	78.6	104	44	2.64	.0	7	1947	76.7	101	44	3.88	.0	7
1898	78.7	100	60	4.86	.0	11	1923	76.7	99	46	5.20	.0	9	1948	77.8	102	45	4.91	.0	8
1899	77.3	102	50	2.74	.0	6	1924	78.5	105	42	3.64	.0	8	1949	77.9	101	52	5.17	T	11
1900	76.6	100	43	7.10	.0	13	1925	82.3	108	46	2.08	.0	4	1950	76.1	102	44	3.52	.0	6
1901	79.4	110	41	1.44	.0	4	1926	76.6	104	42	2.60	.0	6	1951	75.9	103	49	6.93	T	13
1902	77.5	105	42	5.27	.0	8	1927	76.3	104	43	6.50	.0	9	1952	82.1	109	49	0.49	T	1
1903	70.5	99	37	2.53	.0	7	1928	73.5	100	40	2.44	.0	13	1953	83.4	108	51	0.63	T	2
1904	75.3	99	50	7.14	.0	10	1929	76.2	102	41	3.62	.0	7	All Years	77.3	103	49	4.04	T	11
1905	77.9	104	44	5.90	.0	10	1930	78.4	107	39	0.87	.0	2							
1906	78.2	101	44	4.60	.0	8	1931	78.3	107	35	2.60	.0	6							
1907	75.2	103	39	4.48	.0	8	1932	78.9	103	50	4.86	.0	10							
1908	78.0	98	46	3.85	.0	8	1933	78.4	107	40	1.30	.0	3							
1909	76.9	104	49	4.08	.0	10	1934	81.1	108	49	2.88	.0	5							
1910	74.1	99	44	4.85	.0	10	1935	74.3	98	36	8.38	.0	13							
1911	80.9	106	47	2.53	.0	6	1936	80.0	113	44	1.26	.0	3							
1912	73.1	97	42	5.83	.0	9	1937	78.8	108	45	4.95	.0	9							
1913	77.0	103	39	1.68	.0	4	1938	75.8	101	48	4.34	.0	9							
1914	82.3	109	52	1.00	.0	2	1939	77.9	100	49	4.50	.0	11							
1915	76.0	106	45	4.92	.0	9	1940	75.2	98	45	4.35	.0	10							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Total	Max. Depth on Ground	Date	.01 or More					.50 or More					
																			1.00 or More				
90° or more below	45° or below	32° or below	0° or below																				
Alum Fork	96.0	70.5	83.3	7.0	102	21	59	4	0	29	0	0	0	1.20	-3.49	.45	28	.0	0	0	4	0	0
Arkadelphia	99.5	69.8	84.7	6.6	106	21	61	4	0	30	0	0	0	.45	-4.04	.33	12	.0	0	0	3	0	0
Ashdown	97.1				102	11+				29	0	0	0	.59		.52	12	.0	0	0	2	1	0
Bald Knob	95.3	69.2	82.3		101	11+	56	3	0	28	0	0	0	2.33		1.93	24	.0	0	0	1	1	0
Batesville Livestock	97.8	65.9	81.9		106	19+	52	3		28	0	0	0	.61		.31	12	.0	0	0	2	0	0
Batesville L & D 1	98.3	66.9	82.6		105	18	52	3	0	29	0	0	0	.28	-3.70	.23	27	.0	0	0	2	0	0
Bee Branch																							
Benton	95.6	69.2	82.4	6.0	101	11+	57	3	0	27	0	0	0	1.52		.78	27	.0	0	0	6	2	0
Bentonville	96.3	67.4	81.9	7.8	103	14+	60	21	0	28	0	0	0	.07	-5.13	.04	24	.0	0	0	2	0	0
Blytheville	97.5	73.2	85.4	7.4	105	20	62	1+	0	29	0	0	0	1.04	-2.63	.53	11	.0	0	0	2	2	0
Booneville	99.8	70.1	85.0		106	20+	62	6	0	30	0	0	0	.18		.15	8	.0	0	0	2	0	0
Brinkley	97.6	70.1	83.9	6.0	103	11	57	3	0	30	0	0	0	.57	-3.16	.27	24	.0	0	0	3	0	0
Camden 1	96.1	69.5	82.8	4.3	102	22+	61	3+	0	30	0	0	0	.19	-3.93	.15	12	.0	0	0	3	0	0
Camp Chaffee	98.5	70.8	84.7		104	14+	64	6	0	30	0	0	0	.40		.38	6	.0	0	0	1	0	0
Conway	99.0	71.1	85.1	6.7	107	20	60	2	0	30	0	0	0	.11	-3.87	.11	28	.0	0	0	1	0	0
Corning	96.2	72.0	84.1	7.7	103	20+	53	3	0	28	0	0	0	.51	-3.46	.40	27	.0	0	0	3	0	0
Crossett	95.6	71.8	83.7	5.0	100	20+	61	3	0	30	0	0	0	.62	-3.45	.32	22	.0	0	0	3	0	0
Cummins Farm	96.7	69.1	82.9		102	20	58	3	0	29	0	0	0	.85		.70	28	.0	0	0	2	1	0
Dardanelle	97.1	72.5	84.8	6.3	103	19	64	3	0	29	0	0	0	.05	-3.84	.05	12	.0	0	0	1	0	0
De Queen	96.6	69.7	83.2	5.2	103	21	63	5	0	29	0	0	0	.61	-3.40	.43	29	.0	0	0	2	0	0

See reference notes following Station Index.

DAW DAILY PRECIPITATION

Table 3—Continued

ARKANSAS
JUNE 1953

Table with columns for Station, Precipitation (Total and Daily 1-31), and other meteorological data. Includes stations like MENA, MONTICELLO, MORFAY, etc.

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1952-53

ARKANSAS
JUNE 1953

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
ABBOTT					2.5									
ALICIA	-	-	-	T	2.6									
ALUM FORK					2.0	T			T	T			2.0	
ALY 1 NW					-									
AMITY 3 NE					4.6	.1			T	-				
ANTOINE					-									
APLIN														
ARKAOLPHIA						T			T	T				
ARKANSAS CITY						T								
ASHDOWN														
ATHENS					2.1									2.1
AUGUSTA					.5	T								.5
BALD KNOB														
BATESVILLE LIVESTOCK						T			T					
BATESVILLE L O 1						T			T					
BEATY LAKE				T			T	T		T				
BEAVER					1.8		.6							2.4
REE BRANCH			T											2.0
BEECH GROVE					2.0	T								
BEEDEVILLE									T					
BENTON					.6	T								.6
RENTONVILLE					2.0	T		T		T				
RIG FLAT	-	-	-	-										
RIG FORK									T					
BIG LAKE OUTLET					1.6	T		T				T		1.6
BLACK ROCK					2.0	T			T					2.0
BLAKELY MT DAM	-	-	-	-						T				
BLUFF CITY						T								
RLYTHEVILLE														
ROONEVILLE					3.5	T		T						
BOUGHTON														
BRADFORD					2.0									2.0
BRINKLEY				T		T				T				
BUFFALO TOWER					3.0		1.5	T						
BURDETTE														
CABOT														
CALICO ROCK						T	T							
CAMDEN 1														
CAMP CHAFFEE					2.5		.6	T						3.1
CARLISLE														
CLARENDON					T	T	T							
CLINTON	-	-	-	-										
COLD SPRINGS														
CONWAY					2.8									2.8
CORNING					1.8									1.8
COTTER					1.5	T	.8		T					2.0
COVE					2.0									
CROSSETT					T									
CRYSTAL VALLEY														
CUMMINS FARM														
DAISY														
DAWSONVILLE					2.7		.3							3.0
DARDANELLE														
DE QUEEN							T	T						
DERMOTT										T				
DES ARC									T					
DEVILS KNOB						T	.4			T				
DUMAS 1					T			T						
EAGLE GAP					1.5									
EL DORADO CAA					T	T								
EUREKA SPRINGS					3.0	T	2.5		T	T				5.5
EVENING SHADE					2.6	T								2.6
FAYETTEVILLE					2.8	T	2.8	.2	T	.1				5.9
FAYETTEVILLE CAA					2.3	T	2.2	T	T	T				4.5
FAYETTEVILLE EX 5					2.2	T	1.3	T	T			T		3.5
FLIPPIN CAA AP					1.8	T	1.0			T		T		2.8
FORDYCE														
FORESTER 4 WNW														
FORT SMITH WB AP					3.9	T	.6	T	T	T				4.5
FT SMITH WATER PLANT														
FOUNTAIN HILL														
FULTON	T						T		T					
GEORGETOWN					.6									.6
GILBERT					4.0		.6							4.6
GLENWOOD														
GRANNIS					2.5	T	T	T		T		T		2.5
GRAVELLY														
GRAVETTE					.5	T		T	T	T				
GREEN FOREST					2.3		2.5					T		4.8
GREEN MOUNTAIN					3.5									
GREENBRIER														
GREENWOOD					2.0									
GURDON					.5	T		T						.5
HAMPTON														
HARRISON					3.0									
HECTOR														
HELENA				T	1.7	T	T		T					
HENDERSON 2 W												T		
HOPE														
HOPPER					4.5		T							4.5
HORATIO														
HOT SPRINGS														
HUTTIG DAM														
INDEX														
JASPER						T		T						
JESSIEVILLE														
JONESBORO					1.5	T	T		T					1.5

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1952-53

ARKANSAS
JUNE 1953

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
KEO														
LAKE CITY					T				T				T	
LANGLEY					2.5	T	.1						2.6	
LEAD HILL					2.0		T						2.0	
LEE CREEK	-	-	-		3.5	T	T	-	-	-	-		-	
LEOLA						T						T	T	
LITTLE ROCK WB AP			T		1.0	T	T		T				1.0	4.7
LITTLE ROCK FILT PL														
LOST CORNER					3.0		T						3.0	
LOUANN						T							T	
LURTON					2.5		.5						3.0	
LUTHERVILLE			-	-	-	-	-	-	-	-	-	-	-	
MAOISON														
MAGNOLIA 3N						T	T						T	
MALVERN														
MANMOTH SPRING					1.0				T				1.0	
MARIANNA						T							T	
MARKED TREE					T	T			T	-			T	
MARSHALL					-		1.0						-	
MARVELL					-								-	
MELBOURNE			T		-	T	T		-				-	
MENA					-	T	.5			-			-	
MONTICELLO				-	-	T							-	
MORRIS L D B					T	T							T	
MORRILTON					-			T					-	
MOUNT IOA					1.0								1.0	
MOUNT MAGAZINE	-			-	-								-	
MOUNTAIN HOME					5.0								5.0	
MOUNTAIN HOME CE	-	-	-	-	-								-	
MOUNTAIN VIEW					2.5	T							2.5	
MOUNTAINBURG					3.0	T	2.5		T				5.5	
MULBERRY					-	T		T					-	
NARROWS DAM					-								-	
NASHVILLE					-				T	T			-	
NATHAN					3.0								3.0	
NEWHOPE					-								-	
NEWPORT						T			T	T	T		T	
NIMROD DAM								T		T			T	
NORFORK DAM							-	-	-	-	-	-	-	
ODELL					3.0	T	.8						3.8	
ODEN					-	-	-	T					-	
OKAY					-	T							-	
OSCEOLA														
OHENSVILLE					1.5	T	T	T		T	T		1.5	
OZARK					2.7								-	
PARAGOULD					2.0								2.0	
PARIS					5.6			T					-	
PARKIN														
PERRYVILLE					1.5								1.5	
PINE BLUFF					-				T	T			-	
PINE BLUFF CAA AP					T	T			T	T			T	
PINE RIDGE					2.0		.1						2.1	
POCAHONTAS 1					1.5	T	T	T	T	T			1.5	
PORTLAND					T	T			T				T	
PRESCOTT					-	T							-	
RATCLIFF					4.0			T					-	
RISON									T				-	
ROCKHOUSE	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROGERS		T		T	2.8	T	2.6	T	T	T	T		5.4	
RUSSELLVILLE					4.0								4.0	
SAINT CHARLES														
SAINT FRANCIS				T	-	T				-			-	
SEARCY					1.5								-	
SHERIDAN														
SHIRLEY					2.0	T	T		T	T			2.0	
SILOAM SPRINGS					2.5		.3	.4		T			3.2	
SPARKMAN														
STAMPS						T	T				T		T	
STAR CITY 2 S				-									-	
STEVE					2.0								2.0	
STUTTGART						T							T	
STUTTGART 9 ESE									T				T	
SUBIACO					-								-	
SUGAR GROVE					-								-	
SUGAR LOAF MTN					1.6								1.6	
TAYLOR					-								-	
TEXARKANA WB AP					T	T	T		T	T	T		T	
TURNPIKE					3.0		.5						-	
VIOLA					4								-	
WALDRON					-		3.0						-	
WALNUT GROVE					2.0					T	T		2.0	
WALNUT RIDGE CAA					2.2								2.2	
WARREN					T	T							T	
WASHITA					-								-	
WHITE ROCK					3.8	T	.5	T	T				4.3	
WHITE CLIFFS						T							T	
WILSON														
WYNNE					T		T						T	
YELLVILLE					1.6		-						-	

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JUNE 1953

Table 5-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	
STUTT GART	MAX	95	89	92	92	94	95	98	96	99	100	103	96	100	99	97	98	100	101	101	101	102	100	100	96	95	94	94	90	93	98	96.9	
	MIN	71	65	62	62	68	70	72	76	77	75	77	68	74	78	76	77	79	75	76	77	76	76	72	73	67	74	72	73	74	70	75	72.7
STUTT GART 9ESE	MAX	94	95	82	89	92	92	93	98	95	98	98	101	96	100	98	98	98	100	100	101	101	100	99	98	96	98	91	90	94	91	95.9	
	MIN	69	66	60	68	70	70	70	75	76	74	73	70	74	77	75	76	77	76	75	76	76	70	72	69	74	71	71	70	72	74	72.2	
SUBIACO	MAX	96	92	95	95	93	93	96	99	103	104	103	103	105	106	105	102	103	105	108	105	106	100	99	105	105	96	103	97	94	100	100.5	
	MIN	70	70	67	65	71	64	68	76	75	73	74	67	74	75	75	78	80	79	76	81	72	74	72	72	80	76	72	73	75	75	73.3	
TEXARKANA W8 AP	MAX	95	93	92	92	91	91	94	95	94	98	99	96	97	98	98	96	98	98	99	100	102	100	99	98	97	97	97	88	88	94	95.9	
	MIN	68	74	70	72	70	71	73	74	76	75	69	71	73	73	74	75	75	75	75	75	75	76	74	75	75	73	73	74	74	72	73.3	
TURMPIKE	MAX																																
	MIN																																
WALORON	MAX	95	94	93	93	92	93	94	95	98	101	101	101	103	103	103	102	103	103	104	104	105	99	96	101	101	100	101	96	93	100	98.9	
	MIN	64	67	62	63	61	63	65	75	70	68	68	66	68	66	76	72	76	69	69	80	67	70	64	66	78	73	69	68	74	72	69.0	
WALNUT RIDGE CAA AP	MAX	90	85	90	91	91	92	96	96	99	100	102	94	99	93	97	100	94	101	101	101	97	97	98	97	96	86	95	93	92	96	95.3	
	MIN	67	61	58	65	72	72	67	77	76	73	69	66	74	74	74	77	73	73	73	73	73	73	72	73	65	71	71	78	72	68	71.5	
WARREN	MAX	92	89	90	92	93	94	96	95	95	96	100	97	98	99	98	99	99	99	100	100	101	101	98	98	99	99	97	87	93	97	96.4	
	MIN	66	63	57	65	64	67	68	71	73	72	73	67	70	71	72	73	73	73	73	72	73	73	72	73	68	68	67	68	68	69	69.0	
WHITE ROCK	MAX	87	82	87	85	85	84	85	87	92	92	94	95	96	94	96	95	92	94	97	98	98	92	95	95	95	93	94	94	84	89	91.5	
	MIN	69	65	69	65	65	58	58	67	72	72	73	70	75	73	74	73	75	74	74	75	74	73	72	71	72	73	69	70	68	70	70.3	
WILSON	MAX	93	88	91	92	93	95	96	99	100	102	100	96	99	100	100	101	101	103	103	102	101	100	100	100	98	95	95	92	96	101	97.7	
	MIN	65	62	67	68	69	72	75	76	76	68	68	67	73	74	73	76	76	75	73	78	78	66	72	72	74	72	73	72	73	78	72.0	
WYNNE	MAX	91	86	89	90	91	90	95	95	97	97	100	96	99	97	97	97	98	95	100	100	99	97	98	97	95	94	95	90	94	99	95.4	
	MIN	68	64	62	69	70	69	68	74	76	72	73	65	70	78	74	75	73	72	74	74	72	74	74	72	63	70	72	75	69	70	71.0	

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total or ave
		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	
HOPE	EVAP	*	.52	.29	.23	.22	.28	*	.42	-	-	.51	.25	.36	*	.63	.33	.40	.07	.29	.32	.20	.16	.50	.33	.29	.23	.46	*	.47	.05	8.378	
	WIND	*	.40	.7	.10	.13	.36	*	.34	.25	.13	.12	.35	.3	*	.40	.20	.17	.10	.14	.31	.17	.23	.14	.35	.28	.10	.15	*	.55	.7	562	
MOUNTAIN HOME C E	EVAP	.25	.23	.26	.28	.34	.35	.27	.37	.36	.32	.31	.35	.25	.39	.42	.34	.37	.31	.37	.48	.53	.41	.23	.23	.42	.33	.20	.31	.27	.17	9.72	
	WIND	.12	.84	.25	.30	.53	.58	.28	.67	.65	.37	.27	.40	.22	.40	.70	.33	.41	.22	.35	.52	.70	.30	.21	.22	.52	.41	.27	.30	.32	.25	1191	
NARROWS DAM	EVAP	.23	.28	.31	.32	.28	.30	.24	.30	.28	.35	.31	.43	.36	.36	.31	.36	.34	.37	.34	.41	.37	.26	.38	.26	.41	.37	.30	.35	.17	.16	9.51	
	WIND	.10	.6	.6	.8	.22	.49	.14	.43	.24	.23	.12	.14	.9	.10	.21	.21	.16	.15	.20	.30	.14	.8	.15	.18	.34	.27	.19	.17	.18	.22	565	
NIMROD DAM	EVAP	.24	.29	.28	.29	.25	.35	.26	.30	.31	.33	.33	.34	.28	.39	.42	.38	.26	.30	.42	.38	.35	.38	.35	.26	.39	.33	.15	.36	.16	.18	9.31	
	WIND	.7	.8	.17	.6	.23	.37	.14	.21	.11	.10	.3	.3	.44	.16	.16	.14	.40	.23	.22	.22	.28	.9	.9	.17	.30	.13	.10	.15	.11	.7	506	
RUSSELLVILLE	EVAP	.21	.35	.25	.28	.26	.26	.27	.24	.28	.31	.28	.27	.37	.33	.25	.28	.27	.36	.34	.36	.37	.26	.24	.34	.32	.28	.27	.35	.18	.26	8.69	
	WIND	.11	.18	.16	.15	.17	.16	.18	.11	.12	.11	.13	.9	.10	.12	.18	.8	.12	.18	.22	.10	.11	.15	.20	.25	.24	.27	.38	.31	.13	498		
STUTT GART 9 ESE	EVAP	-	.33	.25	.25	.25	.29	.21	.31	.30	.33	.45	.27	.19	-	.32	.34	.14	.10	.38	.29	.40	.39	.31	.19	.28	.26	.20	.14	.15	.23	8.078	
	WIND	.30	.10	.20	.20	.60	.30	.40	.50	.70	.40	.55	.25	.20	.80	.40	.90	.30	.10	.38	.29	.40	.50	.50	.80	.10	.10	.40	.50	.40	.10	1150	

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1952-53

ARKANSAS
JUNE 1953

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normal July-June
ALLUM FORK	0	0	6	205	423	661	580	499	255	199	42	0	2870	
ARKADELPHIA	0	0	1	212	410	584	490	447	191	161	27	0	2523	
ASHDOWN	0	0		309		663	557	470	224	167	23	0		
BALD KNOB	0	0	14	300	488	660	595	531	289		45	0		
BATESVILLE L O 1	0	0	20	308	523	705	618	567	337	257	59	0		
BEE BRANCH	0	0	13											
BENTON	0	0	12	308		675	557	528	268	230	44	0		
BENTONVILLE	0	0	35	343	578	816	752	615	363	340	102	0	3944	
BLITHEVILLE	0	0	4	230	502	699	680	528	303	251		0		
BOONEVILLE	0	0	4	252	432	686	605	512	264	239	53	0	3047	
BRINKLEY	0	0	16	315	478	691	584	552	278	212	31	0	3157	
CAMP CHAFFEE	0	0	3	255	466	742	667	537	285	242	59	0	3256	
CONWAY	0	0	6	261	438	652	548	504	248	198	36	0	2891	
CROSSETT	0	0	0	248	406	566	440	449	151	112	10	0	2382	
CUMMINS FARM	0	0	18	388	508	702	586	547	260	195	22	0	3226	
DARDANELLE	0	0	5	239	426	652	570	508	229	212	41	0	2882	
DE QUEEN	0	0	2	224	448	644	532	497	198	182	30	0	2757	
DEVILS KNOB	0	0	20	207	818		700	612	367	335	90	0		
DUMAS 1	0	0	3	285	388	579	454	474	209	169	13	0	2574	
EL DORADO CAA	0	0	0	285	426	594	483	465	179	145	26	0	2603	
EUREKA SPRINGS	0	0	21	264	503	763	689	561	330	318	96	0	3545	
FAYETTEVILLE	0	0	17	324	547	773	706	583	330	327	100	0	3707	
FAYETTEVILLE CAA	0	0	33	402	609	811	748	629	390	371	115	0	4108	
FAYETTEVILLE EX S	0	0	32	328	540	787	713	597	357	320	101	0	3775	
FLIPPIN CAA AP	0	0	31	371	560	778	717	615	373	345	90	0	3880	
FOROYCE	0	0	41	298	352	575	463	457	157	148	21	0	2512	
FORT SMITH WB AP	0	0	3	274	506	745	677	554	295	255	52	0	3361	3213
GRANNIS	0	0	3	213	436	655	579	506	243	236	49	0	2920	
GRAVETTE					586	835	742	619	380	361	124	0		
GREEN MOUNTAIN														
HARRISON	0	0	46	322	521	723	696	578	343	301	70	0	3610	
HELENA	0	0	-	272	412	637	543	480	207	176	21	0		
HOT SPRINGS	0	0	0	146	393	599	506	466	212	169	39	0	2530	
JONESBORO	0	0	7	274	494	688	653	546	314	260	28	0	3264	
KEO	0	0	9	300	448	633	532	495	248	219	32	0	2916	
LEAD HILL	0	0	27	364	576	805	735	612	384	321	91	0	3915	
LITTLE ROCK WB AP	0	0	2	264	448	645	555	508	254	213	40	0	2929	30.1
LUTHERVILLE	0	0												
MAGNOLIA 3N	0	0	1	223	376	569	431	441	162	137	25	0	2365	
MALVERN							503	457	190	152	22	0		
MAMMOTH SPRING	0	0	29	405	543	774	731	613	392	286	87	0	3860	
MARSHALL	0	0	11	326	537	722	670	568	339	285	69	0	3527	
MENA	0	0	6	213	447	675	592	528	245	227	56	0	2989	
MONTICELLO	0	0					572	419	418	149	13	0		
MORRILTON	0	0	12		474	656	577	532	277	219	40	0		
MOUNT MAGAZINE			25				746	677	402	381		0		
MOUNTAIN HOME	0	0	23	315	542	752	705	594	379	309	83	0	3702	
MOUNTAIN HOME CE														
MOUNTAINBURG	0	0	10	319	533	774	704	593	332	292	67	0		
NEWPORT	0	0	6	269	421	648	578	516	281	231	45	0	2995	
NIMROD DAM	0	0	16		493	764		300	231	56	0			
NORFORK DAM														
OKAY	0	0	2	214	383	579	459	437	155	123	21	0	2373	
OZARK	0	0	4	267	480	710	654	541	281	261	51	0	3249	
PARAGOULD	0	0	28	327	508	702	641	541	347	281	51	0	3476	
PARIS	0	0	4	254	425	682	606	520	256	224	38	0	3009	
PERRYVILLE	0	0	7	247	444	640	559	498	263	205	51	0	2914	
PINE BLUFF	0	0	1	213	397	569	466	450	183	142	21	0	2442	
PINE BLUFF CAA AP	0	0	2	307	451	610	537	495	225	196	26	0	2849	
POCAHONTAS 1	0	0	19	324	523	760	729	602	369	330	59	0	3715	
ROGERS	0	0	25	304	510	788	703	574	329	324	100	0	3657	
RUSSELLVILLE	0	0	5	243	440	665	572	521	269	219	35	0	2469	
SEARCY	0	0	4	265	467	671	581	521	261	218	43	0	3031	
SHERIDAN	0	0	6	284	467	639	477	484	279	183	30	0		
SILOAM SPRINGS	0	0	15	236	538			578	336	337	105	0		
STUTTGART	0	0	1	249	392	629	495	474	212	178	17	0	2647	
SUBIACO	0	0	0	183	434	680	601	495	226	215	38	0	2872	
TEXARKANA WB AP	0	0	0	201	396	595	480	435	164	137	30	0	2438	2386
TURNPIKE	0	0	27	244	469	722	614	376	224	201	101	0		
WALDRON	0	0	8	297	453	682	604	533	256	245	59	0	3137	
WALNUT RIDGE CAA	0	0	12	338	512	722	695	578	339	299	61	0	3556	
WARREN	0	0	3	232	370		429	469	189	157	23	0		
WHITE ROCK	0	0	17	236		771	700	621	358	351	95	0		
WILSON	0	0	23	287	435			523	305	238	31	0		
WYNNE	0	0	17	332	467	658	562	517	285	237	45	0	3120	

Degree day normals in this table are derived from the period 1921-1950.

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
DELAYED DATA

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max.		Min.						Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
										90° or Above	31° or Below	31° or Below	9° or Below										
DECEMBER 1952	54.2	32.9	43.6	-.2	74	9	21	16	661	0	0	19	0	6.27	2.45	4.73	3	T	0		4	3	1
ALUM FORK	51.3				70	9				0	0	2	0	3.18	-1.66	.90	4	.0	0		7	4	0
WILSON																							

DAILY PRECIPITATION

Table 3

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		
DECEMBER 1952	6.27		T	4.73											T					.54	.70												.82	
ALUM FORK	4.22	.74	.48	.93											T					.75	.10												.54	
MT MAGAZINE	3.18		.80		.90	.05								.13							.12		.68										.58	
WILSON																																		.60

DAILY TEMPERATURES

Table 5

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			
DECEMBER 1952																																			
ALUM FORK	MAX	35	36	38	48	61	64	60	73	74	62	60	57	50	47	43	59	59	61	63	60	46	58	51	50	49	51	54	52	55	51	54	54.2		
	MIN	29	31	33	36	30	32	43	55	58	40	26	35	30	27	24	21	24	38	49	34	27	32	33	22	29	23	28	24	29	42	38	32.9		
WILSON	MAX	36	41	42	55	54	62	64	68	70	54	55	45	45	33	42	55	60	60	65	57	50	50	42	45	42	50	45	50	50	50	51.3			
	MIN																																		

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

W.R.P.C., Kansas City, Mo. -- 8-18-53 -- 1005

CORRECTIONS

January 1952: Blytheville, Table 2, degree days should be 619.

Dardanelle, Table 2, degree days should be 598.

Rogers, Table 2, precipitation departure should be -0.58.

Wilson, Table 2, mean maximum should be 56.2, mean 45.6, departure +5.2, and degree days 594.

Wilson, Table 5, maximum on 4th should be 47, on 9th 52, and mean maximum 56.2.

October 1952: Louann, Table 3, precipitation on the 6th should be .00 and total for month .00.

January 1953: Pine Bluff CAA AP, Table 2, total precipitation should be 4.23 and days .01 or more should be 9.

Pine Bluff CAA AP, Table 3, precipitation on 23rd should be .20 and total 4.23.

February 1953: Green Mountain, Table 2, days with minimum temperature 32° or lower should be missing.

551.05
UNAR
V.58⁷

NAT. HIST.

123

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

SEP 28 1953

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
SEP 24 1953
UNIVERSITY OF ILLINOIS

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

JULY 1953
Volume LVIII No. 7

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024



NAT.
HIST.

Penalty for printing
used to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

ARKANSAS - JULY 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

After the drought of the preceding June, there was a return to favorable growing weather during July with adequate rains and slightly below normal temperatures.

The monthly mean temperature for the State was 80.2°, which is 0.3° below normal. The highest monthly mean temperature was 83.2° at Conway and the lowest, 74.0° at Mount Magazine. The highest temperature during the month was 109° at the Batesville Livestock Experiment Station on the 6th. The lowest temperature recorded during the month was 49° at Gilbert on the 11th. There was an average of 21 days on which the temperature rose to 90° or higher.

The average monthly precipitation was 4.65 inches, which is 0.91 inch above the normal. Monthly totals at individual stations ranged from 0.49 inch at Mammoth Spring to 14.84 inches at Mena. The greatest daily amount recorded was 5.73 inches at Mena on the 21st. There was an average of 9 days during the month on which 0.01 inch or more of precipitation was recorded.

The month's weather was favorable for cotton. At the beginning most early cotton was growing and putting on squares and blooms in all sections, but the prospects for late planted cotton was not promising, and much had failed to come up. Rains during the month were beneficial to the crop. Some early cotton was fruiting as the month opened and fruiting continued throughout the month. By the close, some late cotton was in need of a period of warm dry weather with some danger of the crop becoming too rank.

Early rice fared very well during the month with much of the crop showing an improvement. It was necessary to use excessive quantities of irrigation water during the first two weeks, but rainfall during the latter half of the month alleviated this situation. By the close of the month heads were coming into boot in some fields. A turn to favorable conditions also promoted the growth of grass and weeds. Much 2,4-D was used in weed control.

Much early corn, except on bottom lands, was beyond recovery as the month opened, and the prospects for late corn were not promising. Late corn, however, responded very well to the adequate rains of the last three weeks of the month. By the close, the prospects for intermediate and late corn were good except in the dry areas. Early corn made only a slight recovery.

Soy beans made steady progress after the first week. By the close of the month a number of early-planted fields were blooming.

Hay crops generally showed a marked improvement during the month but some stands of lespedeza were killed by the drought of the previous June. Pastures showed a material improvement, especially during the last two weeks, and by the close of the month were providing adequate grazing in most areas.

Steady progress was made in the preparation of ground for the seeding of winter grains, with a record acreage of oats expected in many counties.

The showers came too late to help some of the earlier vegetable crops but the majority of the truck, melon, and fruit crops showed improvement. Good rains increased the size of peaches materially.

STORMS

At 12:45 p.m. of the 3rd, lightning struck the Drew Theater Building in Monticello. The resulting fire destroyed the building, causing damage estimated at \$100,000.

During the afternoon of the 6th a windstorm destroyed one house, unroofed two houses, damaged six other houses, and damaged or destroyed several buildings in the McGinty Community of Faulkner County. Damage was estimated at \$9,000.

Between 3:45 p.m. and 4:15 p.m. of the 6th a wind, lightning and hail storm struck Cash, damaging several houses, destroying a barn, and damaging several out-buildings. Damage was estimated at \$4,000. Light hail did \$3,000 damage to cotton, rice, and soybeans.

At 4:00 p.m. of the 6th one home and two other buildings at Mount Ida were damaged by lightning. A few trees were blown down. No estimate of monetary loss was available.

At 5:14 p.m. of the 6th a house at Paragould was struck by lightning. The resulting fire destroyed the house causing a monetary loss estimated at \$4,000.

Between 8:00 p.m. and 9:00 p.m. of the 6th a wind, lightning and rain storm struck Russellville. Damage was confined to the city limits and was principally in the business district. Several buildings were unroofed, including the telephone exchange. Damage was estimated at \$110,000.

During the morning of the 8th a farm house seven miles south of Lonoke was struck by lightning. The resulting fire destroyed the house. Damage was estimated at \$5,000.

CONTINUED ON PAGE 82.

SUPPLEMENTAL DATA

ARKANSAS
JULY 1953

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	1.00-1.99	2.00 and over			Total
FORT SMITH W8 AP	NE	24	6.6	36	E	21	84	89	57	57	8	0	2	3	2	1	16	69	5.1
LITTLE ROCK W8 AP	SW	15	7.5	31	N	8	78	85	54	55	6	4	4	0	0	0	14	55	5.5
TEXARKANA W8 AP	NE	16	5.7	-	-	-	85	92	64	65	6	3	2	3	1	1	16	-	5.7

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	76.5	103	50	7.24	0	10	1916	82.8	106	55	2.09	0	6	1941	81.2	105	53	4.82	0	9
1892	79.0	104	52	3.58	0	10	1917	79.6	106	50	5.10	0	8	1942	81.1	105	53	1.39	0	3
1893	80.9	103	59	2.94	0	6	1918	79.6	111	49	1.53	0	4	1943	82.9	110	47	1.13	0	4
1894	78.4	108	51	3.98	0	16	1919	81.2	104	54	1.91	0	5	1944	81.2	108	49	2.61	0	4
1895	78.9	104	55	7.34	0	2	1920	79.8	105	52	4.22	0	7	1945	78.1	106	45	3.94	0	6
1896	83.4	110	52	1.61	0	4	1921	82.0	107	54	2.42	0	6	1946	80.8	106	51	3.94	0	7
1897	82.4	109	50	3.25	0	8	1922	80.2	106	48	4.12	0	7	1947	78.3	109	41	1.25	0	3
1898	79.9	105	50	4.25	0	8	1923	79.9	105	48	3.53	0	6	1948	80.5	105	51	4.11	0	9
1899	79.0	100	52	5.14	0	8	1924	79.0	110	40	2.35	0	5	1949	81.1	102	53	4.32	0	10
1900	79.7	102	51	4.46	0	9	1925	81.8	109	47	4.99	0	10	1950	76.8	99	53	7.10	T	13
1901	83.7	116	50	2.49	0	6	1926	79.8	109	42	3.55	0	8	1951	80.5	104	51	5.83	0	8
1902	79.4	105	50	4.49	0	6	1927	79.6	104	49	4.25	0	6	1952	82.4	109	50	2.51	0	6
1903	79.6	105	53	3.86	0	9	1928	80.3	102	52	3.66	0	8	1953	80.2	109	49	4.65	0	6
1904	77.9	104	49	4.43	0	10	1929	81.2	105	51	3.07	0	7	All Years	80.5			3.77	T	
1905	76.7	106	51	7.80	0	13	1930	84.7	115	42	0.74	0	2							
1906	76.7	99	48	5.96	0	10	1931	81.0	106	48	6.00	0	11							
1907	81.4	108	53	1.96	0	4	1932	82.5	108	50	5.00	0	9							
1908	79.2	103	48	3.00	0	8	1933	81.4	109	55	5.01	0	9							
1909	81.9	106	50	2.51	0	5	1934	85.5	112	57	1.66	0	4							
1910	79.4	105	41	5.46	0	10	1935	82.2	107	53	2.32	0	5							
1911	78.4	106	43	4.83	0	11	1936	83.3	114	42	4.90	0	6							
1912	81.3	104	56	2.82	0	6	1937	80.4	106	52	3.71	0	7							
1913	81.5	104	55	4.31	0	8	1938	82.0	109	59	3.74	0	7							
1914	82.6	107	54	2.69	0	7	1939	82.0	110	55	3.34	0	7							
1915	77.1	107	43	2.40	0	5	1940	78.4	103	48	4.14	0	8							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
															Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More		
															Max.	Min.						
40° or Above	32° or Below	34° or Below	10° or Below																			
ALUM FORK	91.4	69.8	80.6	.4	98	24	62	14	0	22	0	0	0	5.70	2.50	2.45	8	.0	0	7	3	2
ARKAOLPHIA	93.0	69.7	81.4	.2	106	6	59	11	0	24	0	0	0	6.37	2.65	2.99	21	.0	0	12	3	2
ASHDOWN																						
BALDKKNDB	92.6	67.8	80.2		102	6	54	11	0	22	0	0	0	1.28		.67	21	.0	0	3	1	0
BATESVILLE LIVESTOCK	95.9	65.7	80.8		109	7	52	11	0	23	0	0	0	1.49		.96	7	.0	0	8	1	0
BATESVILLE L & D 1	94.6	66.7	80.7		103	5	54	11	0	24	0	0	0	2.70	-.78	1.79	7	.0	0	4	2	1
BEE BRANCH																						
BENTON	90.6	69.0	79.8	-.9	101	6	57	11	0	19	0	0	0	4.56		2.70	8	.0	0	10	2	1
BENTONVILLE	89.0	65.3	77.2	-1.2	99	24	55	11	1	18	0	0	0	3.74	.45	1.04	3	.0	0	10	3	1
BLYTHEVILLE	92.7	71.3	82.0	.5	100	24	60	11	0	23	0	0	0	4.75	1.56	1.23	3	.0	0	9	4	3
BOONEVILLE	93.4	68.3	80.9		106	6	59	11	0	21	0	0	0	2.94		.91	13	.0	0	11	1	0
#BRINKLEY	93.2	68.4	80.8		102	6	56	11	0	26	0	0	0	3.97	-.31	2.71	17	.0	0	5	2	1
CAMDEN 1	92.6	68.5	80.6		100	7	57	11	0	24	0	0	0	3.90	-.16	1.40	20	.0	0	8	3	1
CAMP CHAFFEE	92.6	70.0	81.3		104	6	62	11+	0	21	0	0	0	7.15		1.51	17	.0	0	15	8	1
CLARKSVILLE	92.2	70.6	81.4M		103	14	60	14	0	19	0	0	0	4.80		1.63	21	.0	0	9	3	3
CONWAY	96.3	70.1	83.2	1.0	106	6	58	11	0	26	0	0	0	1.94	-1.56	.50	22	.0	0	11	1	0
CORNING	93.4	70.1	81.8		102	7	57	11	0	23	0	0	0	3.03	-.55	1.12	7	.0	0	5	3	1
CROSSETT	92.6	68.7	80.7	-.9	99	64	58	11	0	22	0	0	0	5.26	.64	3.05	20	.0	0	12	3	1
CUMMINS FARM	90.8	67.5	79.2		100	6	57	11	0	21	0	0	0	4.85		1.00	3+	.0	0	8	6	2
DARDANELLE	91.7	70.9	81.3	-1.0	101	24	60	11	0	19	0	0	0	3.17	-.21	.89	7	.0	0	9	3	0

Table 5-Continued

DAILY TEMPERATURES

ARKANSAS
JULY 1953

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	
STUTTGART	MAX	98	97	99	99	99	107	95	93	89	88	81	84	79	89	89	86	86	93	94	81	89	93	92	92	94	96	96	97	97	98	96	
	MIN	76	75	74	76	77	76	77	73	70	66	57	62	69	68	69	69	69	71	74	71	73	72	75	71	73	73	71	70	72	74	75	
STUTTGART 9ESE	MAX	97	98	98	98	98	99	107	95	90	87	87	84	80	79	89	89	83	85	91	91	81	88	92	90	91	92	93	94	94	96	94	
	MIN	75	74	73	76	75	75	76	72	70	66	59	68	67	67	67	70	68	70	73	72	71	71	73	72	71	71	72	69	71	75	72	
SURIACO	MAX	107	105	97	101	105	107	94	95	94	90	83	75	79	83	89	85	90	96	95	86	94	97	94	85	95	98	99	100	98	100	96	
	MIN	74	75	70	75	78	74	71	71	69	70	62	62	62	64	64	63	67	68	70	71	73	70	75	73	72	69	69	70	71	73	73	
TEXARKANA W8 AP	MAX	97	97	95	97	97	100	99	92	97	85	84	71	71	83	89	86	86	93	86	86	91	93	94	91	93	93	94	95	94	95	94	
	MIN	74	73	74	76	76	76	78	71	74	68	64	65	65	67	67	69	68	71	74	73	70	71	76	75	72	72	73	71	73	74	74	
TURNPIKE	MAX																																
	MIN																																
WALDRON	MAX	101	103	99	100	107	103	97	96	97	90	88	75	75	87	86	85	86	93	93	85	91	94	94	84	92	95	95	96	96	97	94	
	MIN	69	71	69	77	71	74	77	71	68	69	57	61	61	63	62	63	66	64	68	70	71	67	67	71	69	68	67	66	68	68	70	
WALNUT RIDGE CAA AP	MAX	98	98	95	96	99	98	85	93	84	84	84	84	86	87	90	75	86	92	93	85	86	92	91	91	93	94	99	98	97	99	98	
	MIN	76	76	74	73	77	76	73	70	66	61	58	63	66	66	65	70	72	70	73	74	75	73	69	68	69	69	68	69	70	71	73	74
WARREN	MAX	99	98	98	99	98	107	94	97	96	91	88	78	78	85	90	82	82	97	95	87	91	92	94	94	95	96	96	97	96	97	92	
	MIN	73	73	77	73	72	77	73	71	71	63	57	63	69	67	68	70	67	63	69	69	72	71	70	67	67	67	67	65	70	70	69	
WHITE ROCK	MAX	94	94	87	93	94	99	87	90	86	83	78	66	67	74	80	79	81	86	87	81	86	87	85	80	86	85	88	91	90	91	90	
	MIN	74	72	66	71	73	74	66	70	67	63	63	56	58	58	65	63	64	67	71	68	69	72	72	69	69	69	70	75	71	71	73	
WILSON	MAX	98	97	98	97	99	103	97	94	91	84	85	88	89	87	91	85	88	93	94	91	85	90	90	92	94	95	96	95	97	97	97	
	MIN	74	75	74	75	74	76	77	72	70	60	57	63	64	65	64	65	69	68	73	71	70	74	68	66	67	68	66	69	70	73	74	
WYNNE	MAX	98	97	94	97	98	98	91	95	89	85	85	85	85	97	89	83	87	93	94	88	86	90	91	90	92	94	95	95	96	95	94	
	MIN	73	72	74	71	73	72	73	73	70	64	60	64	66	65	65	64	67	66	70	71	72	71	67	67	69	67	64	69	70	74	73	

Table 6

EVAPORATION AND WIND

Station		Day of month																															Total or ave
		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	
HDPE	EVAP	.31	.33	.44	*	*	.50	.27	-	-	.16	.35	.04	.13	-	-	.19	.10	-	-	-	-	-	.51	-	-	-	.33	.27	.21	.16		
	WIND	13	30	30			70	30	30	15	15	10	15	25	5	8	12	5	5	*	20	15	15	8	22	-	-	-	-	-	-		
MOUNTAIN HDME C E	EVAP	.30	.41	.26	.15	.41	.42	.33	.15	.23	.22	.40	.23	.04	.07	.17	.28	.20	.19	.31	.21	.19	.20	.29	.31	.28	.31	.30	.30	.37	.34	.34	
	WIND	25	56	23	40	60	65	62	9	32	36	77	6	14	5	15	33	34	15	23	13	47	27	36	22	27	36	28	20	29	25	29	
NARRDWS DAM	EVAP	.31	.40	.37	.22	.37	.37	.41	.26	.25	.36	.33	.20	.03	.03	.13	-	.14	.13	.27	-	.19	.27	.11	.14	.23	.28	.29	.28	.24	.21	.21	
	WIND	17	22	26	15	33	31	39	28	30	29	28	28	27	13	9	34	16	9	13	-	26	23	12	10	8	14	18	21	10	15	9	12
NIMRDD DAM	EVAP	.18	.23	.47	.23	.34	.37	-	.16	.25	.15	.40	.13	.03	.06	.14	.12	.04	.16	.26	.20	.03	.19	.20	.21	.13	.25	.24	.25	.16	.24	.25	
	WIND	4	19	26	11	18	23	23	6	5	4	4	4	2	3	2	2	3	4	19	5	1	28	9	6	9	11	9	23	15	19	22	
RUSSELLVILLE	EVAP	.34	.35	.22	.27	.25	.42	.25	.16	.30	.38	.20	.07	.01	.12	.14	.08	.16	.29	.20	.16	.20	.27	.26	.13	.24	.24	.31	.18	.28	.32	.22	
	WIND	18	21	18	14	18	13	11	10	9	27	8	6	9	8	10	15	12	9	11	12	16	14	15	5	18	12	19	2	9	10	10	
STUTTGART 9 ESE	EVAP	.30	.44	.27	.30	.32	.47	.40	.08	.30	.14	.33	.13	.09	*	.17	.14	-	.09	.19	.20	-	.09	.24	.21	.16	.28	.10	.26	.21	.02	.28	
	WIND	10	60	60	40	90	50	50	20	30	20	20	60	10	-	-	-	-	10	20	40	50	60	10	10	-	10	-	-	-	-	-	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

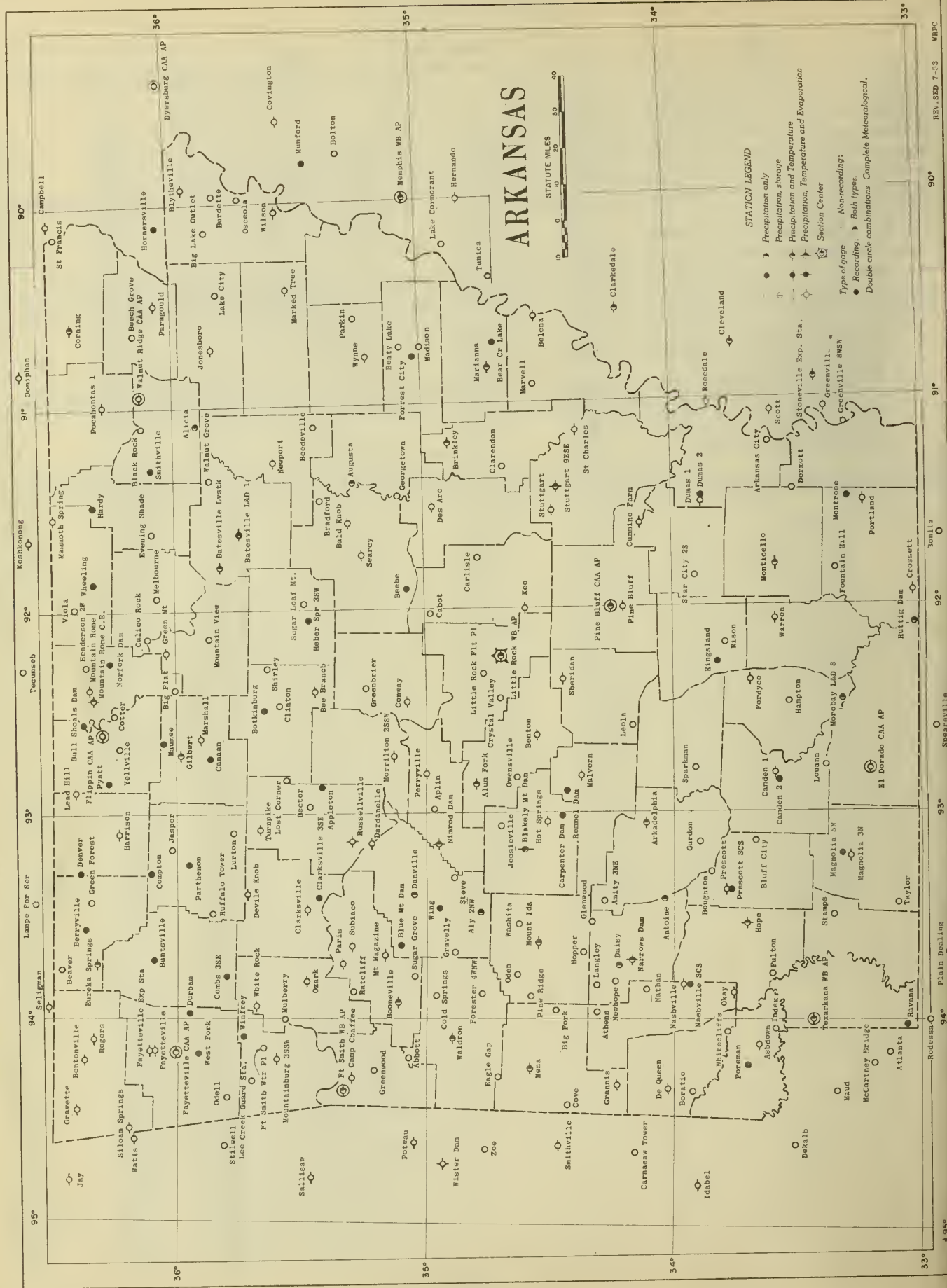
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondences regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 9-10-53 -- 1005

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
V. 58⁸

No

~~NAT. HIST.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

OCT 22 1953

THE LIBRARY OF THE
OCT 19 1953
UNIVERSITY OF ILLINOIS

AUGUST 1953
Volume LVIII No. 8

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 9, Mo.
OFFICIAL BUSINESS
Penalty No. 1024



Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1953

ARKANSAS - AUGUST 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The weather over Arkansas during the month of August 1953 was generally unfavorable for agriculture.

The average monthly precipitation for the State was 1.59 inches, which is 2.00 inches below the normal. The greatest monthly total reported was 4.05 inches at Danville. No rain fell during the month at Star City and Wilson, and only sprinkles too light to measure were recorded at Georgetown and Portland. The greatest daily amount reported was 2.82 inches at Ozark on the 17th. There was an average of four days with 0.01 inch or more of precipitation during the month.

The monthly mean temperature for the State was 79.6° which is 0.4° below the normal. At the individual stations, monthly mean temperatures ranged from 74.8° at the Fayetteville Airport to 82.9° at Pine Bluff. The highest temperature reported was 106° at Conway on the 4th and the lowest, 45° at Gilbert on the 20th and 21st. There was an average of 24 days on which the temperature rose to 90° or higher. Mount Magazine had 5 such days and Conway had 31.

Cotton generally fared well during the month. The crop made excellent growth the first two weeks except in the drier counties of the northeast and east-central portions where some daytime wilting and shedding of bolls was reported. The early crop began to mature near the middle of the month. Some cotton opened and limited picking began during the third week. By the close of the month the early crop was opening rapidly. The condition of late cotton was more varied with more drought damage reported. A relatively large amount of cotton was irrigated during the month but this acreage was quite small as compared with the total.

While early corn was too badly damaged to make more than a partial recovery, intermediate and late corn made good progress during the first two weeks. Late corn, however, began to suffer from lack of moisture near mid-month. Much of the crop was made before the close of the month with some fair to good yields in prospect.

Rice made good progress during the month. The early crop began to head in all sections during the first week. A few fields were combined during the closing week. The water situation became critical in some sections during the latter half of the month, since much water was required to offset evaporation.

Soybeans made fair to good progress during the month but were badly in need of water in the closing weeks. There was some blasting of blooms during the first two weeks. The crop was generally fruiting during the last half of the month. There were reports of pods not setting in the drier areas.

Grain sorghums generally made good progress during the month except for some slowing of growth due to dry weather. Fruits, truck crops, and gardens were generally in need of rain during the latter half of the month.

Pastures were generally in good condition and furnished adequate grazing during the opening week, but deteriorated rapidly during the remainder of the month. As a result, cattle required considerable supplemental feeding, and in most areas lost weight progressively. By the end of the month the stock water situation had become critical in many localities. Marketing of cattle increased during the month.

STORMS

During the early afternoon of August 4th, windstorms hit Jonesboro and Bono causing an estimated \$38,000 damage. During the same afternoon lightning killed 17 head of milk goats at the Compton Community in Newton County and set a fire which destroyed a barn and 1,500 bales of hay 12 miles south of Melbourne in Izard County.

At 7:30 p.m. of the 5th, a windstorm destroyed two small planes and damaged a third at the Russellville Airport. Damage was estimated at \$2,500.

At 4:00 a.m. of the 6th, lightning killed five cows when it struck a tree nine miles south of Hope.

A wind and hail storm which struck Clarksville at 4:30 p.m. of the 12th caused damages estimated at \$20,000. Small hail covered the ground to a depth of one-half inch.

During the early morning of the 13th, lightning killed seven head of cattle and set a fire which damaged a house at Mammoth Spring.

On the 16th lightning set a fire which destroyed a barn and hay at Eureka Springs.

Continued on Page 97

SUPPLEMENTAL DATA

ARKANSAS
AUGUST 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	NE	35	6.5	29	NE	16	83	88	49	54	2	0	2	3	0	7	80	3.3
LITTLE ROCK WB AP	E	12	7.5	36	SW	17	77	83	47	51	5	1	1	0	2	9	73	3.7
TEXARKANA WB AP	NE	21	5.4				84	90	58	66	4	2	3	0	1	10		4.8

COMPARATIVE DATA

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	76.4	103	39	2.75	0	5	1916	31.3	107	46	2.63	0	5	1941	80.7	107	50	3.94	0	9
1892	74.3	106	47	4.39	0	0	1917	77.1	104	43	4.10	0	8	1942	78.3	106	53	6.96	0	9
1893	77.3	102	41	3.00	0	5	1918	82.6	115	52	3.90	0	7	1943	84.6	113	48	1.03	0	3
1894	72.1	104	41	4.63	0	3	1919	80.6	113	55	4.29	0	7	1944	80.0	104	50	4.90	0	6
1895	79.4	102	55	2.64	0	4	1920	76.3	102	46	4.08	0	3	1945	78.9	104	48	3.16	0	6
1896	82.6	112	43	2.32	0	5	1921	81.5	106	56	5.46	0	3	1946	79.0	109	43	1.37	0	4
1897	79.6	111	45	2.59	0	5	1922	80.4	111	51	1.90	0	5	1947	84.5	111	56	2.20	0	4
1898	75.4	103	54	4.35	0	4	1923	81.9	109	49	2.43	0	4	1948	78.0	103	46	4.25	0	8
1899	82.2	112	54	2.04	0	5	1924	82.2	103	43	2.40	0	5	1949	77.7	104	42	3.11	T	3
1900	81.1	103	57	2.95	0	5	1925	80.3	103	47	1.31	0	4	1950	75.6	102	44	6.87	T	10
1901	80.5	109	52	2.95	0	6	1926	80.7	110	47	5.50	0	10	1951	81.5	109	50	2.75	T	5
1902	80.7	103	51	2.55	0	4	1927	76.6	105	43	6.01	0	10	1952	81.1	110	50	3.53	T	7
1903	77.7	105	47	4.34	0	3	1928	81.3	105	51	4.62	0	7	1953	79.6	106	45	1.59	T	4
1904	72.1	105	46	2.31	0	6	1929	80.3	110	41	1.29	0	3							
1905	79.1	103	51	3.73	0	6	1930	81.3	114	46	3.53	0	5							
1906	77.9	100	42	4.92	0	10	1931	76.7	103	42	4.71	0	9							
1907	82.0	113	54	2.92	0	6	1932	81.5	104	47	1.73	0	5							
1908	79.3	103	52	4.42	0	3	1933	79.1	101	49	4.42	0	3							
1909	82.4	111	47	1.27	0	4	1934	84.3	116	43	2.75	0	6							
1910	79.2	104	43	3.92	0	3	1935	82.0	113	46	1.74	0	4							
1911	75.0	107	45	3.19	0	12	1936	85.0	120	43	0.44	0	2							
1912	72.7	105	45	3.30	0	7	1937	85.3	117	55	3.45	0	7							
1913	82.1	107	46	1.60	0	3	1938	83.3	109	54	2.26	0	9							
1914	72.5	104	57	6.31	0	13	1939	80.2	107	49	2.50	0	6							
1915	74.7	102	40	10.44	0	11	1940	77.7	104	45	4.96	0	9							
														All Years	80.1			3.56	T	

CLIMATOLOGICAL DATA

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days						
														Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More				
																				Max.	Min.	No. of Days	
10° or Above	32° or Below	32° or Below	0° or Below																				
ALUM FORK	92.7	67.4	80.1M	.3	99	16	57	21	0	23	0	0	0	1.15	-3.13	1.00	17	.0	0	0	3	1	1
ARCADELPHIA	97.5	67.5	82.5	1.5	104	13	57	21	0	29	0	0	0	.11	-3.54	.06	13	.0	0	0	3	0	0
ASHDOWN	94.0	66.3	80.2M		99	7+	56	20	0	27	0	0	0	1.12	.44	.19	.0	.0	0	0	6	0	0
BALD KNOB	94.3	64.6	79.5M		101	4	55	10	0	27	0	0	0	.54	.54	.4	.0	.0	0	0	1	1	0
BATESVILLE LIVESTOCK	95.2	62.5	78.9		105	16	50	20	0	25	0	0	0	2.09	1.36	.5	.0	.0	0	0	6	1	1
BATESVILLE L & D I	95.4	63.1	79.3M		103	15	49	20+	0	28	0	0	0	2.55	-1.56	1.90	30	.0	0	0	4	2	1
BEE BRANCH																							
BENTON	94.2	65.8	80.0	.1	100	14+	53	21	0	26	0	0	0	1.07	.60	.18	.0	.0	0	3	1	0	
BENTONVILLE	90.5	60.7	75.6	-2.3	99	11	49	20+	0	18	0	0	0	2.00	-2.04	.56	14	.0	0	0	7	1	0
BLYTHEVILLE	93.6	69.0	81.3	1.1	103	16	58	20	0	24	0	0	0	.55	-3.36	.34	4	.0	0	0	2	0	0
BOONEVILLE	95.6	64.5	80.1		104	15	51	21	0	28	0	0	0	1.09		.61	19	.0	0	0	7	1	0
BRINKLEY																							
CAMDEN I	94.7	65.4	80.1	-.7	103	15	54	20	0	29	0	0	0	1.36	-1.46	.69	17	.0	0	0	5	1	0
CAMP CHAFFEE	92.7	66.4	79.6		99	15	54	21	0	26	0	0	0	2.11		1.15	1	.0	0	0	7	2	1
CLARKSVILLE	94.7	66.9	80.8		101	15	56	21	0	29	0	0	0	3.53		1.97	18	.0	0	0	5	3	1
CUNWAY	98.0	67.4	82.7	.9	106	4	54	20	0	31	0	0	0	.58	-2.72	.42	5	.0	0	0	4	1	0
CORNING	93.2	67.3	80.3	1.7	103	1+	55	20	0	26	0	0	0	1.21	-2.38	.91	14	.0	0	0	4	1	0
CROSSETT	93.3	66.6	80.0	-1.6	102	14	58	10	0	25	0	0	0	3.35		1.17	30	.0	0	0	9	2	1
CUMMINS FARM	92.6	66.0	80.0		103	14	58	10	0	25	0	0	0	2.94		1.73	21	.0	0	0	4	2	1
DARONELLE	94.1	68.0	81.1	.0	102	15	57	21	0	27	0	0	0	2.14	-1.40	1.14	6	.0	0	0	3	2	1

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
AUGUST 1953

Table 5-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	
STUTT GART	MAX	94	96	97	99	98	94	99	95	90	95	96	101	102	100	98	96	92	91	90	93	87	89	91	92	95	96	96	92	89	96	99	94.8
	MIN	75	73	74	77	74	70	65	75	65	65	68	61	74	74	72	70	70	68	60	61	64	65	65	67	66	68	73	73	70	72	69.4	
STUTT GART 9ESF	MAX	94	96	94	94	96	95	97	98	97	92	89	91	96	97	99	98	95	94	89	88	87	90	85	86	88	90	97	92	89	90	91	92.2
	MIN	73	73	72	74	72	69	71	73	63	60	62	64	71	72	70	69	69	69	67	58	59	61	62	64	65	64	66	70	71	64	69	67.5
SURIACO	MAX	94	98	98	100	96	97	107	96	94	97	100	101	91	103	102	95	96	93	89	92	93	94	94	94	96	98	98	97	96	93	98	96.3
	MIN	72	70	73	75	70	68	69	73	67	63	68	73	73	68	70	71	71	70	63	57	60	63	63	63	64	65	64	68	69	67	68	67.5
TEXARKANA WR AP	MAX	91	91	93	94	95	94	98	96	89	91	95	93	97	97	98	95	97	93	83	86	88	89	81	85	90	92	90	89	88	88	92	91.4
	MIN	70	72	75	75	73	72	72	75	67	65	70	76	73	72	73	71	72	70	70	64	64	67	69	67	68	65	66	71	72	71	70	70.2
TURNPIKE	MAX																																
	MIN																																
WALDRON	MAX	95	94	95	99	95	94	98	96	91	90	95	93	97	99	98	91	91	85	87	86	88	92	91	91	94	95	96	93	95	94	94	93.3
	MIN	70	69	74	73	67	66	68	70	56	58	62	69	69	66	67	69	67	68	61	52	50	56	61	59	56	54	56	64	65	64	63	63.5
WALNUT RIDGE CAA AP	MAX	94	96	94	98	95	90	96	89	87	89	92	93	94	99	101	100	85	83	85	87	90	89	91	95	96	97	96	95	89	94	100	92.9
	MIN	73	74	75	74	71	71	69	60	59	58	59	66	73	72	73	67	73	64	58	55	56	64	62	62	63	66	69	61	70	70	69	66.5
WARREN	MAX	94	93	95	97	97	94	100	97	97	93	96	97	97	98	100	98	94	92	92	89	91	93	94	95	95	95	95	86	95	96	96	94.7
	MIN	70	69	69	72	71	70	68	73	61	57	60	63	66	69	68	67	68	65	71	56	56	66	67	57	60	57	57	68	67	68	66	65.2
WHITE ROCK	MAX	90	85	90	88	87	83	96	86	82	85	86	92	85	86	88	82	80	79	80	83	80	66	64	69	66	68	69	70	67	68	69	67.5
	MIN	72	69	68	72	62	69	69	65	63	62	66	69	70	72	74	68	69	68	62	64	65	66	64	69	66	68	69	70	67	68	69	67.5
WILSON	MAX	96	96	94	96	91	91	95	89	88	90	93	96	96	99	100	99			86	87	89	90	90	95	97	98	98	98	99	100	94.3	
	MIN	73	73	73	72	70	69	68	71	56	61	61	64	71	69	68	67	66	68	59	54	56	69	65	67	65	64	63	60	63	66	70	65.8
WYNNE	MAX	95	93	93	96	92	90	95	90	85	88	97	95	95	98	99	98	93	83	84	85	89	87	88	90	94	95	95	95	93	96	92.1	
	MIN	72	74	74	74	71	72	71	72	59	61	63	60	73	72	76	67	72	71	63	55	62	69	60	64	65	62	63	65	65	71	69	67.3

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total Evap 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	31	
BLAKELY MTN DAM	EVAP	.32	*	.67	.31	.39	.36	.25	*	*	.99	.30	.35	.25	.35	*	*	.77	.20	.18	.30	.29	*	*	.73	.28	.30	.25	.31	*	*	.54	8.69
	WIND	.44	*	155	.96	103	80	48	*	*	153	45	60	51	54	*	*	136	46	78	57	55	*	*	152	50	44	44	48	*	*	157	1756
HOPE	EVAP	.22	*	.47	.24	.28	.54	.76	*	*	1.02	.37	.15	.21	.34	.26	*	.23	.26	.20	.20	.20	.28	.19	.16	.16	.25	.26	.22	.16	.18	.15	8.238
	WIND	-	-	-	5	6	11	13	*	*	9	2	1	5	4	4	*	10	14	31	16	21	16	5	6	7	4	14	11	11	11	2758	
MOUNTAIN HOME C E	EVAP	.31	.31	.28	.39	.16	.11	.27	.27	.33	.25	.29	.27	.23	.24	.27	.28	.20	.18	.18	.29	.30	.30	.22	.25	.22	.28	.23	.24	.36	.17	.28	7.96
	WIND	28	34	30	66	38	27	26	29	44	19	34	35	45	24	18	17	36	52	37	46	42	40	32	26	28	34	20	28	36	21	38	1039
NARROWS DAM	EVAP	.33	.29	.28	.26	.31	.33	.23	.29	.36	.30	.28	.29	.28	.24	.28	.40	.26	.20	.19	.31	.32	.25	.20	.15	.31	.27	.30	.26	.19	.22	.11	8.29
	WIND	14	22	36	30	22	21	16	4	18	10	17	24	11	10	5	9	8	17	15	16	17	12	9	6	21	21	24	16	10	14	9	484
NIMROD DAM	EVAP	.27	.20	.23	.23	.28	.25	.22	.28	.30	.27	.27	.26	.24	.19	.17	.22	.19	.27	.33	.28	.31	.26	.22	.28	.26	.30	.27	.28	.10	.18	.21	7.62
	WIND	28	10	14	19	44	28	9	25	24	4	11	14	15	4	16	25	23	6	1	6	7	10	13	14	22	22	25	17	10	11	13	490
RUSSELLVILLE	EVAP	.30	.31	.27	.25	*	.42	.22	.32	.28	.28	.22	.08	.17	.20	.29	.21	.18	.11	.21	.26	.25	.25	.30	.30	.21	*	.56	.17	.14	.18	.25	7.17
	WIND	17	20	17	16	*	29	8	15	11	17	22	12	13	6	11	11	12	11	12	15	12	12	25	20	17	*	47	3	11	13	17	452
STUTT GART 9 ESE	EVAP	.27	.28	.31	.27	.44	.20	.13	.24	.30	.30	.17	.22	.26	.19	.27	.09	.26	.20	.27	.24	.30	.17	.15	.15	.15	.26	.22	.18	.10	.28	.07	6.94
	WIND	-	31	129	73	58	24	11	19	28	15	20	24	27	12	15	20	23	21	53	42	40	38	37	17	17	24	16	24	30	27	22	9688

At 12 noon of the 16th a wind and hail storm struck Fayetteville, damaging several houses and barns. Monetary loss was estimated at \$1,150. Hailstones averaged one-half inch in diameter and caused an estimated damage of \$50.00 to corn.

At 12:15 p.m. of the 16th a wind and hail storm struck Ozark. Hailstones ranged from 1/4 to 1/2 inch in diameter. Total damage was estimated at \$250.

One person was injured by lightning at Texarkana at 3:12 p.m. of the 18th.

FLOODS

There were no floods on Arkansas streams during August 1953.--JFR

STATION INDEX

ARKANSAS AUGUST 1953

Table with columns: Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp., Precip., Observer, Refer to tables. The table lists numerous weather stations across Arkansas with their respective identifiers and observer names.

NEW STATIONS

Table listing new stations including Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp., Precip., Observer, and Refer to tables.

I ORAINAGE CODE: 1. Arkansas 2. Mississippi 3. Ouachita 4. Red 5. Saint Francis 6. Saline 7. White

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

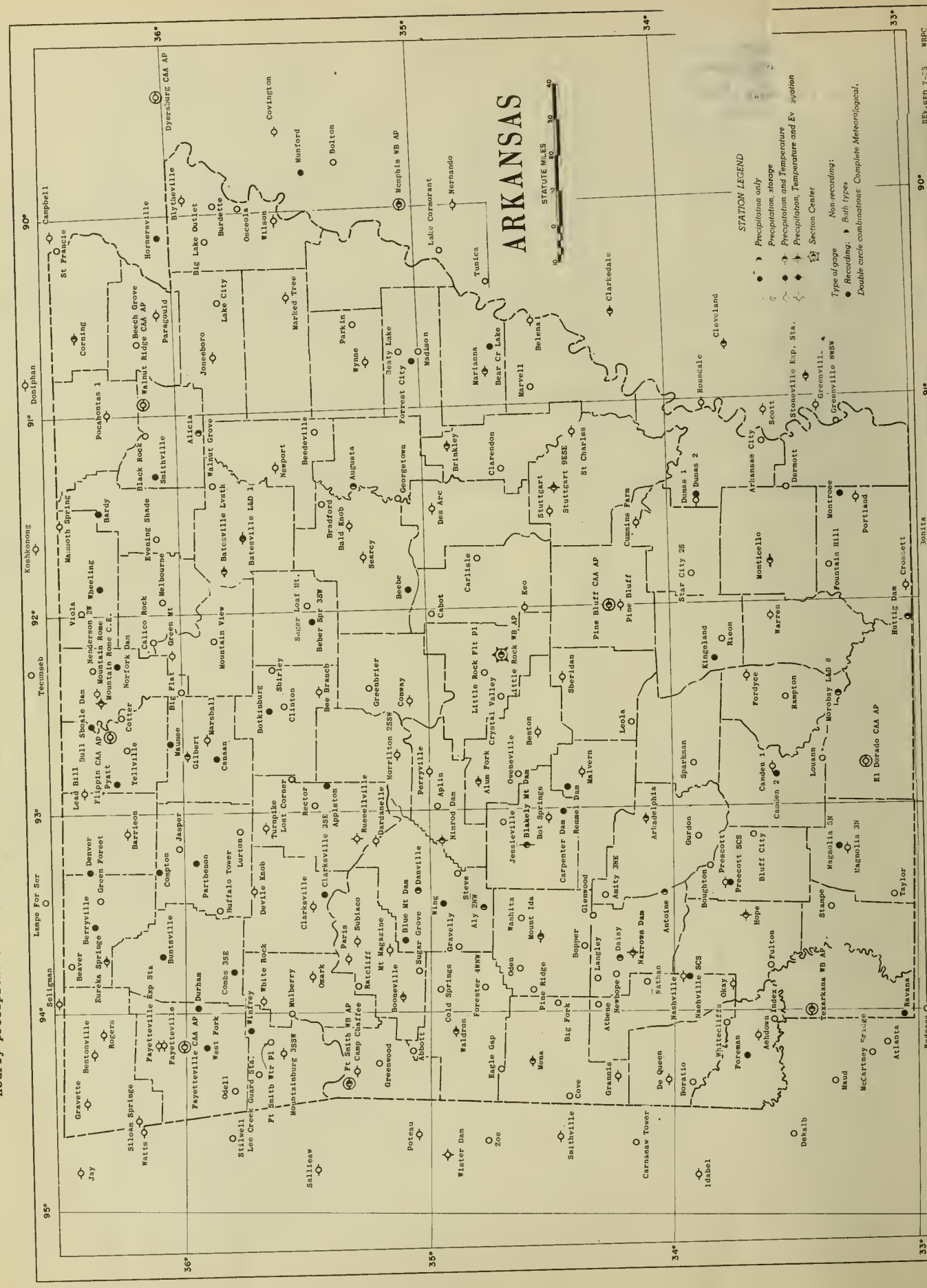
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 10-9-53 -- 1025

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



51.05
INAR
58'

~~NAT. HIST.~~

No

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

NOV 24 1953

THE LIBRARY OF THE
NOV 12 1953
UNIVERSITY OF ILLINOIS

SEPTEMBER 1953
Volume LVIII No. 9

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U. S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Permit No. 1024



Penalty for private
use to avoid pay-
ment of postage
\$300.

~~1953~~
~~1953~~

KANSAS CITY: 1953

ARKANSAS - SEPTEMBER 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Drought conditions that had prevailed over Arkansas since the closing days of May continued throughout the month of September 1953.

The average monthly precipitation over the State was 0.99 inch, which is 2.33 inches below the normal. The greatest monthly total reported was 2.99 inches at Hopper. At the other extreme, Wilson and Sparkman had no rain during the month. The greatest daily amount reported was 2.70 inches at Langley on the 4th. There was an average of two days with 0.01 inch or more of precipitation during the month.

The monthly mean temperature for the State was 74.7° which is 0.6° above the normal, making this the warmest September over Arkansas since 1947, when the mean temperature was 76.0°. Mean temperatures at the various stations ranged from 70.4° at the Fayetteville C.A.A. Station to 78.5° at Hot Springs. The highest temperature recorded was 106° at Arkadelphia on the 28th and 29th, and the lowest 32° at Gilbert on the 23rd. Temperatures rose to 90° or higher on an average of 21 days during the month.

The picking of early cotton was getting well underway as the month opened, and was generally in full swing by mid-month. Bolls opened rapidly in most areas. Dry weather caused considerable cotton to cut out early and caused heavy shedding of small bolls. Fair to good yields were reported and the staple was of good quality. Drought conditions caused a deterioration of late cotton in all sections.

As the month opened a few fields of early rice had been combined, and the harvest was underway in most sections by the end of the second week. However, the harvest did not reach full swing in most areas until after the close of the month. Fair to good yields were generally reported. Late rice developed slowly. There was some apprehension of frost damage to late rice as the month closed.

Soybeans held up fairly well in the more favored areas, but it was too dry and hot for the plants to set pods in most sections. Prospects were fair on some bottom lands but irrigated fields promised a good yield. A considerable portion of the crop was cut for hay during the month.

The harvest of early corn for grain began near the first of the month, and continued through the close. Much of the crop was so badly damaged by drought that the yield of grain was materially reduced. A large acreage of early corn was cut for silage and some for fodder. In some instances fields were grazed. Late corn matured rapidly but only a very limited yield of grain was in prospect.

Sorghums burned in the drier areas but held up fairly well elsewhere. A considerable acreage was cut for silage during the month. Some late sorghums were so short that they were cut for hay.

The hay harvest was generally completed by the middle of the month, but farmers continued to make every effort to save anything possible that could be used for hay. Baling of the hay crop was nearing completion by the close of the month. An adequate supply of hay was saved in local areas in the southern part of the State but in general the hay crop was short.

Pastures continued to deteriorate during the month and generally furnished very little grazing. As a result, cattle required considerable heavy supplemental feeding. The stock water situation became critical in many areas during the latter half of the month. Marketing of cattle was heavy throughout the month despite unfavorable prices.

The month's weather was unfavorable for the seeding of winter grains. Many farmers dusted in winter wheat, oats, and other crops.

There were many reports of strawberry plants dying during the latter half of the month. As a result, prospects for next years crop appear unpromising.

STORMS

The only destructive storm reported during the month of September 1953 was a wind storm that struck Arkansas County between 6:00 p.m. and 7:00 p.m. of the 18th causing widespread damage by blowing down heavy rice. No estimate of monetary loss is available and no other property damage was reported.

FLOODS

There were no floods on the streams in Arkansas during the month of September 1953.--JFR

SUPPLEMENTAL DATA

ARKANSAS
SEPTEMBER 1953

Station	Wind direction		Wind speed m. p. h.				Relative humidity average - 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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH-WB AP	NE	27	6.5	23	N	19	69	83	34	37	0	1	0	1	0	0	2	93	.9
LITTLE ROCK WB AP	SW	11	6.6	41	SE	18	67	76	35	41	1	0	1	1	0	0	3	89	1.6
TEXARKANA WB AP	-	-	-	-	-	-	-	86	43	51	0	2	0	1	0	0	3	-	1.9

COMPARATIVE DATA

SEPTEMBER

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	73.4	102	40	0.94	0	2	1916	71.8	102	30	3.40	0	6	1941	71.3	102	39	3.60	0	5
1892	70.8	96	32	2.14	0	3	1917	67.3	99	37	1.76	0	4	1942	70.4	100	28	3.52	0	7
1893	74.0	103	36	3.75	0	5	1918	74.6	104	29	4.63	0	7	1943	74.3	104	38	3.23	0	8
1894	73.1	100	38	3.56	0	6	1919	74.9	106	40	2.72	0	4	1944	73.8	103	42	1.84	0	4
1895	77.1	105	32	1.36	0	4	1920	79.6	100	30	3.56	0	6	1945	74.0	104	39	7.85	0	10
1896	73.3	106	35	3.25	0	10	1921	76.2	104	35	3.38	0	6	1946	72.4	100	33	1.48	0	6
1897	76.6	108	33	0.60	0	2	1922	73.0	106	37	1.25	0	3	1947	76.0	112	36	3.28	0	5
1898	75.2	104	40	7.35	0	8	1923	69.7	98	45	5.56	0	9	1948	72.6	102	35	0.88	0	4
1899	71.9	109	28	1.21	0	3	1924	80.5	103	29	3.99	0	7	1949	69.1	99	28	3.20	0	7
1900	78.0	104	48	4.25	0	7	1925	76.8	113	47	5.96	0	7	1950	70.1	95	33	5.35	T	11
1901	68.4	101	32	3.08	0	4	1926	75.9	101	40	3.99	0	7	1951	71.9	108	37	4.61	T	8
1902	70.7	99	30	5.06	0	8	1927	70.5	104	32	3.37	0	6	1952	71.7	104	34	2.04	T	8
1903	75.4	102	34	2.47	0	5	1928	73.4	101	32	0.45	0	1	1953	74.7	106	32	0.99	T	8
1904	74.2	101	37	2.46	0	5	1929	75.7	102	41	2.46	0	5	All Years	74.1			3.29	T	
1905	75.7	100	44	3.90	0	8	1930	78.4	106	35	4.10	0	8							
1906	73.9	100	47	6.24	0	10	1931	73.8	102	34	1.00	0	3							
1907	73.4	106	38	2.22	0	4	1932	78.5	103	35	2.54	0	6							
1908	74.7	101	29	4.00	0	7	1933	71.3	102	41	5.10	0	8							
1909	76.4	108	31	2.84	0	5	1934	72.4	100	37	5.46	0	8							
1910	79.0	101	44	2.41	0	5	1935	78.9	103	35	3.13	0	5							
1911	78.5	102	46	3.67	0	6	1936	72.7	109	38	4.15	0	7							
1912	71.7	106	32	2.40	0	4	1937	75.7	102	34	4.27	0	7							
1913	74.4	108	33	10.10	0	13	1938	79.9	107	32	1.55	0	4							
1914	74.9	101	38	3.19	0	5	1939	71.2	112	35	1.77	0	2							
1915	72.5	100	34	1.43	0	3	1940	75.4	100	31	1.83	0	4							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hall			No. of Days			
									30° or Above	32° or Below	Below 32°	0° or Below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More	
																							Max.
ALUM FORK	92.1	58.6	75.4	1.6	99	28+	44	23	2	22	0	0	0	.66	-1.68	.77	4	.0	0	0	2	2	0
ARKADELPHIA	96.7	58.0	77.4	1.2	106	28+	47	23	0	25	0	0	0	1.43	-1.34	.82	3	.0	0	0	2	2	0
ASHDOWN	92.3	56.1	74.2		104	28	42	23	2	23	0	0	0	1.59		.49	4	.0	0	0	2	0	0
BALD KNOB	92.6	55.8	74.2		101	30	41	23	4	21	0	0	0	.92		.30	19	.0	0	0	2	0	0
BATESVILLE LIVESTOCK	93.9	54.5	74.2		103	13+	37	23	2	23	0	0	0	.58							2	0	0
BATESVILLE L & O 1	93.0	53.5	73.3		100	1+	36	23	8	22	0	0	0	.72	-2.82	.65	19	.0	0	0	2	1	0
BEE BRANCH																							
BENTON	91.5	55.9	73.7	-.9	100	28+	40	23	8	20	0	0	0	2.82		1.89	4	.0	0	0	2	2	0
BENTONVILLE	90.4	52.9	71.7	.6	102	28	35	22	16	18	0	0	0	1.24	-2.98	.69	4	.0	0	0	2	0	0
BLYTHEVILLE	91.8	60.5	76.2	2.0	103	1	45	22+	3	16	0	0	0	.12	-3.00	.09	19	.0	0	0	2	0	0
BOONEVILLE	95.9	53.8	74.9		106	28	39	22	5	24	0	0	0	.66		.46	4	.0	0	0	3	0	0
BRINKLEY	91.4	53.5	72.5M	-2.3	101	2	42	23	21	0	0	0	0	1.27	-2.71	1.15	19	.0	0	0	2	1	1
CAMDEN 1	94.8	54.9	74.9	-.7	103	30	39	23	24	0	0	0	0	1.40	-1.69	.78	19	.0	0	0	2	0	0
CAMP CHAFFEE	93.9	55.8	74.9		104	28	41	22	5	25	0	0	0	.80		.48	4	.0	0	0	3	0	0
CLARKSVILLE	93.7	58.4	76.1		104	29	44	23	2	25	0	0	0	.95		.60	3	.0	0	0	3	1	0
CONWAY	94.6	59.3	77.0	2.2	104	1	42	23	4	25	0	0	0	1.94		.91	3	.0	0	0	3	2	0
CORNING	89.6	57.6	73.6	.9	101	2	42	23	14	0	0	0	0	.63	-2.85	.49	19	.0	0	0	3	0	0
CROSSETT	94.0	57.4	75.7	.1	104	28	45	23	1	24	0	0	0	.44	-1.95	.22	19	.0	0	0	2	0	0
CUMMINS FARM	90.8	54.9	72.9		99	29	41	23	9	20	0	0	0	.70		.35	4+	.0	0	0	1	1	0
DAROANELLE	93.9	59.5	76.7	1.3	105	28	44	23	3	23	0	0	0	.57	-2.74	.57	4	.0	0	0	1	1	0

See reference notes following Station Index.
- 103 -

DAILY TEMPERATURES

ARKANSAS
SEPTEMBER 1953

Table 5-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	
STUTT GART	MAX	100	100	98	85	80	90	93	93	96	97	100	95	89	100	95	99	101	93	90	95	85	77	85	90	87	87	98	101	101	99	93.3	
	MIN	69	74	70	67	55	55	59	60	58	62	66	68	58	57	63	58	60	67	65	60	65	50	50	55	61	61	61	65	62	62	61.4	
STUTT GART 9ESE	MAX	95	98	98	94	82	85	88	90	90	92	93	92	92	86	96	90	95	97	92	87	92	82	73	81	85	84	84	95	97	98	90.1	
	MIN	65	73	68	65	52	53	54	55	54	57	57	62	53	53	58	52	57	63	63	46	62	45	44	48	59	56	56	59	58	58	56.8	
SUBIACO	MAX	99	99	89	82	86	85	95	95	97	98	98	95	93	97	98	103	101	95	91	100	89	81	88	93	94	92	102	106	103	103	94.9	
	MIN	67	67	68	60	57	53	58	62	61	61	65	63	57	57	58	58	61	64	60	55	65	48	47	53	61	60	60	64	65	62	59.9	
TEXARKANA W8 AP	MAX	93	92	89	81	82	86	91	91	90	93	93	93	89	98	93	93	96	90	89	97	84	79	82	88	89	91	97	102	99	99	91.0	
	MIN	68	70	70	64	56	57	61	66	62	61	63	65	60	56	63	57	61	68	64	62	61	55	49	55	64	60	63	74	70	62	62.2	
TURNPIKE	MAX																								81	83	84	88	91	96	96	94	
	MIN																								51	56	58	59	65	68	69	67	
WALORON	MAX	97	97	90	82	83	90	94	94	93	97	97	95	92	98	95	101	99	94	90	100	95	82	85	92	93	96	100	103	101	101	94.2	
	MIN	61	60	64	58	48	48	51	54	53	53	55	58	44	50	50	50	52	60	59	51	63	39	38	45	54	55	55	56	56	55	53.2	
WALNUT RIDGE CAA AP	MAX	101	91	95	83	85	90	90	88	93	95	101	87	83	98	89	95	96	95	89	95	81	74	81	85	86	85	92	97	99	95	90.5	
	MIN	65	70	67	58	52	49	57	51	52	56	66	61	52	60	55	62	58	58	62	55	53	44	40	49	63	56	59	50	59	60	56.3	
WARREN	MAX	99	98	93	82	81	89	95	94	94	96	99	99	100	99	98	99	98	92	91	92	92	76	85	88	87	93	98	102	101	98	93.6	
	MIN	68	69	67	60	57	50	54	57	50	57	57	63	50	53	57	50	53	57	58	59	57	46	42	55	57	57	59	60	64	60	57.6	
WHITE ROCK	MAX	94	92	85	75	78	85	85	88	91	90	93	85	86	93	91	95	93	90	85	94	84	83	77	83	84	83	95	98	95	99	88.4	
	MIN	71	71	70	51	56	63	65	64	66	65	67	66	59	67	66	71	72	69	56	56	56	50	53	59	62	63	70	72	74	75	64.2	
WILSON	MAX	99	96	95	80	85	92	87	87	93	96	89	87	84	94	91	92	96	97	92	88	77	76	84	82	84	91	97	98	97	90.1		
	MIN	63	63	65	62	53	53	54	53	55	55	56	65	50	49	58	58	53	57	64	55	61	41	43	53	63	63	55	51	56	54	56.0	
WYNNE	MAX	99	97	95	85	84	87	89	88	91	94	98	90	84	95	90	95	97	95	90	92	87	77	82	85	83	83	93	98	98	96	90.6	
	MIN	63	73	70	62	56	46	55	61	55	59	65	69	54	58	65	54	56	63	64	57	65	44	50	56	55	59	59	58	59	60	59.0	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MTN DAM	EVAP	.25	.28	.24	-	*	*	*	.98	.24	.23	.24	*	*	.81	*	.57	.24	.27	*	*	.69	.40	.22	.22	.22	*	*	.61	.30	.28	7.54B	
	WIND	48	42	40	90	*	*	*	215	32	32	34	*	*	136	*	107	36	37	*	*	141	92	39	47	53	*	*	103	61	46	1431	
HOPE	EVAP	-	.21	.27	.23	.20	.43	.08	.24	.19	.28	.23	.13	.39	.35	.22	.52	.04	.08	.14	.51	*	.50	.15	.26	.21	.23	.11	.12	.26	.29	7.108	
	WIND	6	7	4	33	68	29	19	12	17	11	3	19	18	31	20	19	12	5	8	63	*	39	22	10	8	6	4	7	21	9	530	
MOUNTAIN HOME C E	EVAP	.29	.29	.23	.21	.30	.24	.27	.25	.23	.29	.28	.33	.35	.23	.31	.24	.23	.32	.39	.19	.36	.30	.17	.22	.20	.19	.21	.21	.31	.33	7.97	
	WIND	28	22	22	78	68	30	40	17	30	28	29	74	52	22	44	20	20	40	61	29	55	56	24	33	32	21	30	24	46	59	1134	
NARROWS DAM	EVAP	.25	.26	.29	.17	.26	.22	.23	.25	.24	.24	.25	.27	.26	.22	.32	.23	.27	.13	.19	.26	.30	.20	.28	.20	.18	.26	.23	.33	.27	.26	7.32	
	WIND	13	13	35	38	12	12	5	8	6	12	12	13	6	13	19	13	18	7	16	15	33	19	18	20	4	12	14	29	10	24	469	
NIMROD DAM	EVAP	.52	.33	.05	.24	.18	.23	.20	.27	.11	.22	.24	.33	.31	.14	.18	.43	.25	.27	.13	.24	.36	.21	.32	.20	.21	.18	.22	.24	.31	.30	7.42	
	WIND	28	12	16	55	20	13	15	4	25	8	9	16	33	18	23	20	12	18	20	29	25	15	28	33	2	17	18	26	41	42	641	
RUSSELLVILLE	EVAP	.27	.23	.13	.22	.20	.23	.24	.23	.24	.24	.26	.27	.25	.24	.23	.24	.28	.18	.23	.24	.27	.17	.21	.21	.16	.19	.21	.24	.26	.22	6.79	
	WIND	13	10	8	28	13	9	12	13	11	10	16	15	13	13	11	9	12	10	17	10	27	13	16	16	14	15	7	14	13	7	395	
STUTT GART 9 ESE	EVAP	.32	.20	.13	.10	.32	.23	.22	.21	.20	.17	.28	.15	.34	.21	.29	.27	.15	.25	.08	.19	.13	.21	.22	.13	.07	.18	.13	.16	.23	.23	6.00	
	WIND	15	24	9	77	30	30	16	15	9	11	35	24	73	5	66	29	12	22	45	28	24	42	29	26	33	17	23	8	32	25	834	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ Add also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

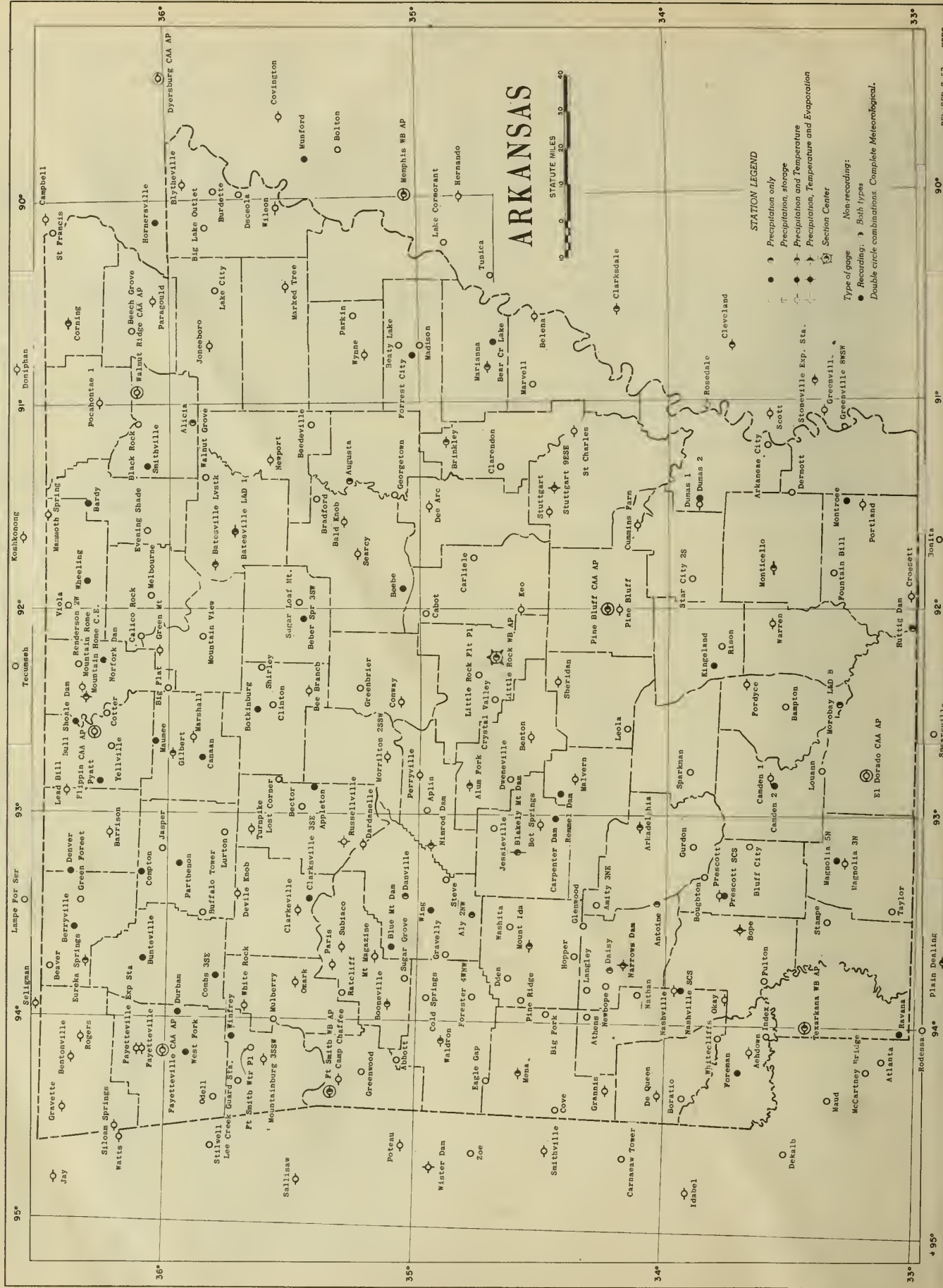
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 11-18-53 -- 1025

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
V. 58¹⁰

NAT. HIST.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

JUL 28 1953

THE LIBRARY OF THE
DEC 21 1953
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

OCTOBER 1953

Volume LVIII No. 10

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Permit No. 1024



NAT.
HIST.

KANSAS CITY: 1953

Penalty for private
use to avoid pay-
ment of postage
\$300.

ARKANSAS - OCTOBER 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Drought conditions that had persisted since the closing of May 1953 continued through October. The weather during the month, however, was ideal for the harvest of the State's crops.

The monthly average precipitation over the State was 1.48 inches, which is 1.75 inches below the normal, but nearly twice the 0.78 inch State average received during October, 1952. Monthly totals over the State ranged from 0.50 inch at Washita to 4.08 inches at Siloam Springs. The greatest daily precipitation recorded was 1.88 inches at Siloam Springs on the 4th. There was an average of 3 days with 0.01 inch or more during the month.

The monthly mean temperature, for the State was 64.8°, which is 1.9° above the normal. Monthly mean temperatures at the various stations ranged from 59.8° at the Fayetteville C.A.A. Station to 69.1° at Hot Springs. The highest temperature recorded was 104° at Ozark on the 1st and the lowest, 25° at Gilbert on the 30th. There was an average of 6 days during the month when temperatures rose to 90° or higher and one day on which temperatures fell to 32° or lower. There was scattered light frost over the northern half of the State on the mornings of the 8th, 25th, and 27th. There was scattered light to heavy frost on the mornings of the 28th and 29th, and heavy to locally killing frost on the morning of the 30th.

Dry, hot weather caused cotton to open rapidly. As a result, picking continued at a fast pace throughout the month. While the drought took a quite heavy toll of late cotton, yields of early varieties generally exceeded expectations. The gin turnout was generally good and the lint graded high.

The harvest of the rice crop progressed rapidly during the month and was about two-thirds complete by the close. Good yields were reported from most sections.

The soybean harvest continued throughout the month. Yields were generally below average. There were many reports of shattering. In many areas the beans were of inferior quality.

A considerable acreage of corn and sorghums was cut for silage. The harvest of early corn for grain was completed near mid-month in most areas. The harvest of late corn continued throughout the month. Yields were generally poor.

The hay harvest was generally completed during the first half of the month. Farmers, however, continued to save anything that would make hay.

The seeding of winter grains was at a standstill at the beginning of the month but made some progress after the showers on the 4th and 5th.

Pastures deteriorated steadily during the month. As a consequence, the condition of cattle worsened and became critical in many areas. Heavy supplemental feeding was necessary in most sections. The stock water situation was critical on many farms.

FLOODS AND STORMS

There were no severe storms or floods during the month.--JFR

SUPPLEMENTAL DATA

ARKANSAS
OCTOBER 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	NE	32	7.0	29	E	25	74	83	42	48	3	3	1	1	0	0	8	67	3.6
LITTLE ROCK WB AP	NE	9	5.8	21	E	2	72	79	41	48	1	1	0	2	0	0	4	75	3.9
TEXARKANA WB AP	-	-	-	-	-	-	-	80	45	51	2	1	1	1	0	0	5	-	4.4

COMPARATIVE DATA

Table 1

OCTOBER

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	60.4	92	27	0.65	.0	2	1916	62.8	96	21	2.30	.0	4	1941	68.2	96	28	8.11	.0	13
1892	63.8	92	27	3.26	.0	2	1917	56.6	99	12	1.89	.0	5	1942	62.8	90	22	3.19	.0	5
1893	60.5	99	23	1.30	.0	3	1918	65.5	100	30	3.99	.0	8	1943	61.3	90	26	3.48	.0	5
1894	63.0	96	24	1.52	.0	3	1919	66.6	98	33	10.90	.0	14	1944	63.9	95	25	1.13	.0	3
1895	57.1	95	21	1.44	.0	4	1920	64.2	93	25	4.39	.0	7	1945	60.8	89	29	3.11	.0	6
1896	60.8	98	25	3.59	.0	6	1921	61.6	96	27	0.72	.0	3	1946	63.7	94	25	2.79	.0	6
1897	67.6	99	28	2.01	.0	3	1922	63.1	98	20	1.47	.0	4	1947	68.3	95	25	3.72	.0	6
1898	60.0	100	23	5.44	T	5	1923	59.2	94	20	3.53	.0	7	1948	60.0	90	20	2.40	.0	6
1899	65.6	101	28	2.88	T	5	1924	64.9	96	21	0.29	.0	1	1949	62.8	91	23	8.50	T	12
1900	66.0	97	32	4.31	.0	6	1925	58.7	98	13	7.73	0.1	10	1950	66.5	93	33	1.91	.0	4
1901	63.7	95	27	2.07	.0	4	1926	64.9	99	23	5.77	.0	8	1951	63.1	98	30	4.55	T	7
1902	62.5	90	27	2.68	.0	4	1927	66.0	100	30	3.13	.0	5	1952	56.6	98	14	0.78	T	2
1903	60.9	97	26	2.22	.0	4	1928	66.3	100	27	4.74	.0	8	1953	64.8	104	25	1.48	.0	3
1904	62.5	100	20	0.94	.0	2	1929	62.2	93	19	4.29	.0	7	All Years	62.8			3.18	T	
1905	61.1	92	23	4.49	.0	7	1930	60.1	92	17	4.89	.0	6							
1906	58.2	94	25	2.38	.0	6	1931	67.1	98	26	2.35	.0	4							
1907	61.9	96	23	3.03	.0	6	1932	60.8	94	76	3.41	.0	6							
1908	59.2	93	24	0.48	.0	2	1933	62.6	90	30	2.83	.0	5							
1909	63.0	98	24	2.15	.0	3	1934	66.2	96	25	0.79	.0	2							
1910	62.9	96	16	5.19	T	6	1935	63.9	95	27	4.94	.0	9							
1911	62.7	101	25	1.67	T	5	1936	61.1	93	24	5.00	.0	7							
1912	63.8	96	22	2.97	.0	4	1937	60.8	96	17	4.66	.0	8							
1913	60.1	95	18	5.41	0.6	9	1938	66.8	105	20	0.94	.0	3							
1914	63.0	93	21	1.74	.0	5	1939	65.1	98	20	1.71	.0	3							
1915	63.4	94	26	2.83	.0	4	1940	65.2	95	29	1.91	.0	5							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hall			No. of Days			
									Degree Days	Max.	Min.	Total					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More	
																							90° or Above
ALUM FORK	80.4	49.4	64.9M	.8	98	1	34	30	111	5	0	0	0	.99	-1.77	.74	26	.0	0		2	1	0
ARKAOELPHIA	85.9	50.8	68.4	4.0	100	1	32	30	59	16	0	1	0	1.17	-1.92	1.15	26	.0	0		2	1	1
ASHDOWN	81.9	47.6	64.8		96	1	29	30	106	6	0	2	0				26	.0	0		2	1	0
BALD KNOB	81.5	45.2	63.4		95	2	29	30	122	7	0	1	0	.97		.68	26	.0	0		2	1	0
BATESVILLE LIVESTOCK	80.8	44.3	62.6M		100	1	28	30		0	0	3	0	1.48		.75	5	.0	0		4	1	0
BATESVILLE L & O 1	80.3	43.2	61.8		95	1	27	30	151	6	0	3	0	1.09	-2.13		26	.0	0		4	1	0
BENTON	81.1	47.1	64.1	1.5	96	3	29	30	107	7	0	2	0	1.54		.64	26	.0	0		6	1	0
BENTONVILLE	75.2	44.8	60.0	.5	95	1	28	29	186	2	0	3	0	2.60	-1.39	.78	4	.0	0		6	2	0
BLYTHERVILLE	81.7	50.8	66.3	2.9	99	1	37	29+	95	9	0	0	0	1.76	-1.32	1.39	26	.0	0		3	1	1
BOONEVILLE	82.7	48.4	65.6		98	1+	33	29+	100	8	0	0	0	2.07		1.16	5	.0	0		4	2	1
BRINKLEY	81.3	43.8	62.6	.0	96	1+	27	30		6	0	3	0	1.64	-1.88	.75	26	.0	0		4	1	0
CAMDEN 1	85.7	46.2	66.0	1.8	102	1	28	30		13	0	2	0	1.37	-1.48	1.16	26	.0	0		3	1	1
CAMP CHAFFEE	81.6	49.1	65.4M		98	1	32	29+	102	4	0	2	0	1.00		.69	26	.0	0		5	1	0
CLARKSVILLE	81.1	50.1	65.6		97	1	32	29	99	4	0	1	0	1.72		1.00	5	.0	0		5	2	1
CONWAY	82.5	50.2	66.4	2.6	97	1	33	30	88	6	0	0	0	.99	-2.01	.59	5	.0	0		2	1	0
CORNING	77.3	47.5	62.4	1.9	93	2+	32	30		3	0	1	0	2.22	-1.27	1.33	5	.0	0		3	2	1
CROSSETT	85.1	50.0	67.6	2.1	98	1	28	30	73	14	0	1	0	1.30	-2.27	1.30	26	.0	0		1	1	1
CUMMINS FARM	81.1				94	1				4	0	0	0	1.15		1.00	26	.0	0		2	1	1
DARONELLE	81.8	50.6	66.2	2.4	98	1	33	30	89	8	0	0	0	1.60	-1.50	.85	4	.0	0		3	2	0
DE OUEEN	83.8	50.2	67.0	2.9	99	1	33	29+	82	12	0	0	0	1.52	-1.30	1.10	26	.0	0		3	1	1

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1953

Table 5

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows include stations like ALUM FORK, ARKADDELPHIA, ASHDOWN, BALD KNOB, BATESVILLE LIVESTOCK, etc.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1953

Table 5-Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various stations such as HOT SPRINGS, JONESBORO, KEO, etc., with their corresponding daily temperature ranges and averages.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1953

Table 5 - 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	
STUTT GART	MAX	96	95	92	90	83	76	74	79	85	90	95	90	89	90	89	89	92	93	94	88	90	91	82	76	79	74	61	61	60	61	67	82.9
	MIN	63	69	66	65	60	47	43	44	45	49	51	54	55	52	52	50	49	49	51	58	56	55	56	51	45	52	48	42	36	35	44	51.4
STUTT GART 9ESE	MAX	96	92	93	93	87	69	73	76	79	81	85	90	86	85	86	85	85	89	90	90	86	85	87	80	73	75	56	53	62	63	69	80.6
	MIN	60	63	63	60	65	43	39	43	44	39	46	46	44	48	47	43	44	45	54	50	53	50	50	49	39	50	45	40	33	30	32	47.0
SUBIACO	MAX	100	98	87	84	75	73	70	77	85	87	95	88	87	89	90	90	92	90	88	92	87	85	79	79	77	70	59	68	70	72	71	82.4
	MIN	68	66	71	68	60	49	42	42	45	47	48	52	56	57	55	55	52	52	54	56	61	57	62	49	50	52	42	44	36	35	41	52.4
TEXARKANA W8 AP	MAX	95	93	90	82	71	80	70	75	84	88	92	93	89	87	87	88	89	89	85	86	86	84	77	76	80	69	63	71	68	67	68	81.4
	MIN	64	69	73	67	54	47	44	44	47	49	56	59	59	59	59	57	53	54	62	61	58	63	62	59	57	50	41	41	41	39	44	54.6
TURNPIKE	MAX	99	96	92	82	72	71	70	77	84	87	95	91	89	89	89	89	90	88	89	87	86	85	80	76	74	72	60	66	68	72	70	81.8
	MIN	55	58	68	66	59	39	36	37	40	38	41	48	47	49	50	49	44	43	54	51	47	50	59	46	44	49	42	43	30	30	37	46.7
WALDRON	MAX	99	96	92	82	72	71	70	77	84	87	95	91	89	89	89	89	90	88	89	87	86	85	80	76	74	72	60	66	68	72	70	81.8
	MIN	55	58	68	66	59	39	36	37	40	38	41	48	47	49	50	49	44	43	54	51	47	50	59	46	44	49	42	43	30	30	37	46.7
WALNUT RIDGE CAA AP	MAX	95	92	89	89	69	69	67	73	82	84	90	80	81	82	84	87	88	89	86	84	87	87	77	68	72	56	54	59	65	72	71	78.3
	MIN	62	63	67	62	51	44	42	39	43	44	48	52	50	45	43	41	45	45	49	49	50	53	53	43	37	51	47	42	35	30	35	47.1
WARREN	MAX	98	94	93	91	78	79	74	84	87	92	94	95	89	89	88	90	91	94	89	89	90	92	88	74	79	74	71	67	65	67	71	84.4
	MIN	62	60	62	60	56	43	37	38	38	54	57	56	57	49	47	46	42	47	54	50	54	50	49	54	48	48	44	38	28	34	40	48.5
WHITE ROCK	MAX	92	89	80	70	66	64	63	70	81	82	86	82	80	80	85	83	82	81	77	80	76	73	66	69	65	60	50	61	65	64	64	73.7
	MIN	68	70	64	60	53	48	40	46	52	57	63	64	57	60	65	64	63	65	65	61	60	64	45	45	50	42	38	34	40	45	57	55.0
WILSON	MAX	95	90	91	89	80	68	68	76	80	84	91	84	82	82	83	86	88	88	88	90	90	92	82	72	70	56	54	56	66	69	67	79.3
	MIN	59	53	61	58	55	44	39	36	39	44	54	50	46	42	41	43	43	46	53	56	57	59	56	46	38	43	38	39	38	33	39	46.7
WYNNE	MAX	93	91	88	87	81	67	67	75	80	84	90	83	82	82	83	85	88	89	85	86	86	87	79	72	73	64	64	60	62	69	71	79.1
	MIN	63	68	67	63	58	44	40	40	42	47	51	56	52	47	43	41	47	46	58	50	51	53	50	50	41	45	45	38	33	31	37	48.3

EVAPORATION AND WIND

Table 6

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	31	
Blakely Mtn Dam	EVAP	.25	.24	*	*	.43	.08	.26	.12	.13	*	*	.54	.17	.14	.11	.13	*	*	.50	.12	.16	.15	.12	*	*	.40	.10	.12	.13	.11	-	4.66B
	WIND	31	31	*	*	152	76	94	36	30	*	*	117	30	22	15	17	*	*	75	23	27	38	21	*	*	167	91	78	47	36	-	1296B
Hope	EVAP	.27	.27	.20	.19	.12	.20	.23	.12	.25	.06	.07	.23	.11	.12	.16	.18	.23	.18	.15	.11	.18	.22	.08	.15	.30	.00	.14	.11	.15	.08	.13	4.99
	WIND	10	10	8	12	18	51	65	26	10	19	13	15	8	6	3	5	7	7	3	6	10	5	5	37	44	36	89	27	50	20	5	630
Mountain Home C. E.	EVAP	.25	.21	.23	.23	.14	.07	.19	.11	.12	.17	.16	.20	.18	.13	.13	.14	.18	.16	.17	.11	.14	.17	.12	.11	.10	.16	.04	.06	.09	.10	.10	4.47
	WIND	27	25	46	48	47	44	54	23	17	23	31	20	30	21	14	14	18	15	19	15	22	32	16	35	22	42	35	47	40	18	21	881
Narrows Dam	EVAP	.26	.12	.26	.26	.04	.22	.27	.17	.17	.17	.25	.14	.24	.18	.19	.19	.19	.19	.20	.16	.19	.13	.05	.13	.15	.23	.13	.15	.07	.11	.10	5.31
	WIND	16	20	9	14	29	27	16	14	7	9	12	6	12	17	17	20	22	15	20	25	6	7	11	22	64	60	26	11	3	1	555	
Nimrod Dam	EVAP	.25	.26	.19	.09	.04	.07	.15	.15	.14	.18	.19	.20	.19	.20	.15	.16	.17	.09	.17	.14	.18	.14	.12	.07	.15	.11	.11	.11	.11	.10	.10	4.48
	WIND	9	14	28	18	34	7	31	25	42	20	8	17	17	13	13	17	20	20	20	23	17	26	13	17	15	21	123	70	29	19	14	760
Russellville	EVAP	.27	*	.34	.06	.10	.15	.12	.10	.15	.15	.15	.16	.15	.10	.11	.13	.15	.13	.11	.13	.13	.13	*	.16	.11	.04	.12	.09	.07	.05	.07	3.73
	WIND	12	19	22	4	17	17	11	8	11	8	5	9	12	5	4	6	4	6	4	6	3	10	13	5	*	16	15	13	51	19	8	346
Stuttgart 9 ESE	EVAP	.18	.16	.15	.25	.10	.03	.18	.14	.13	.11	.14	.18	.17	.15	.11	.18	.09	.15	.13	.11	.14	.04	.19	.12	.15	.14	.09	.03	.06	.09	.11	4.00
	WIND	14	20	35	38	83	8	5	4	3	3	60	35	19	17	8	8	1	18	13	21	16	17	22	13	23	30	62	69	34	17	20	736

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

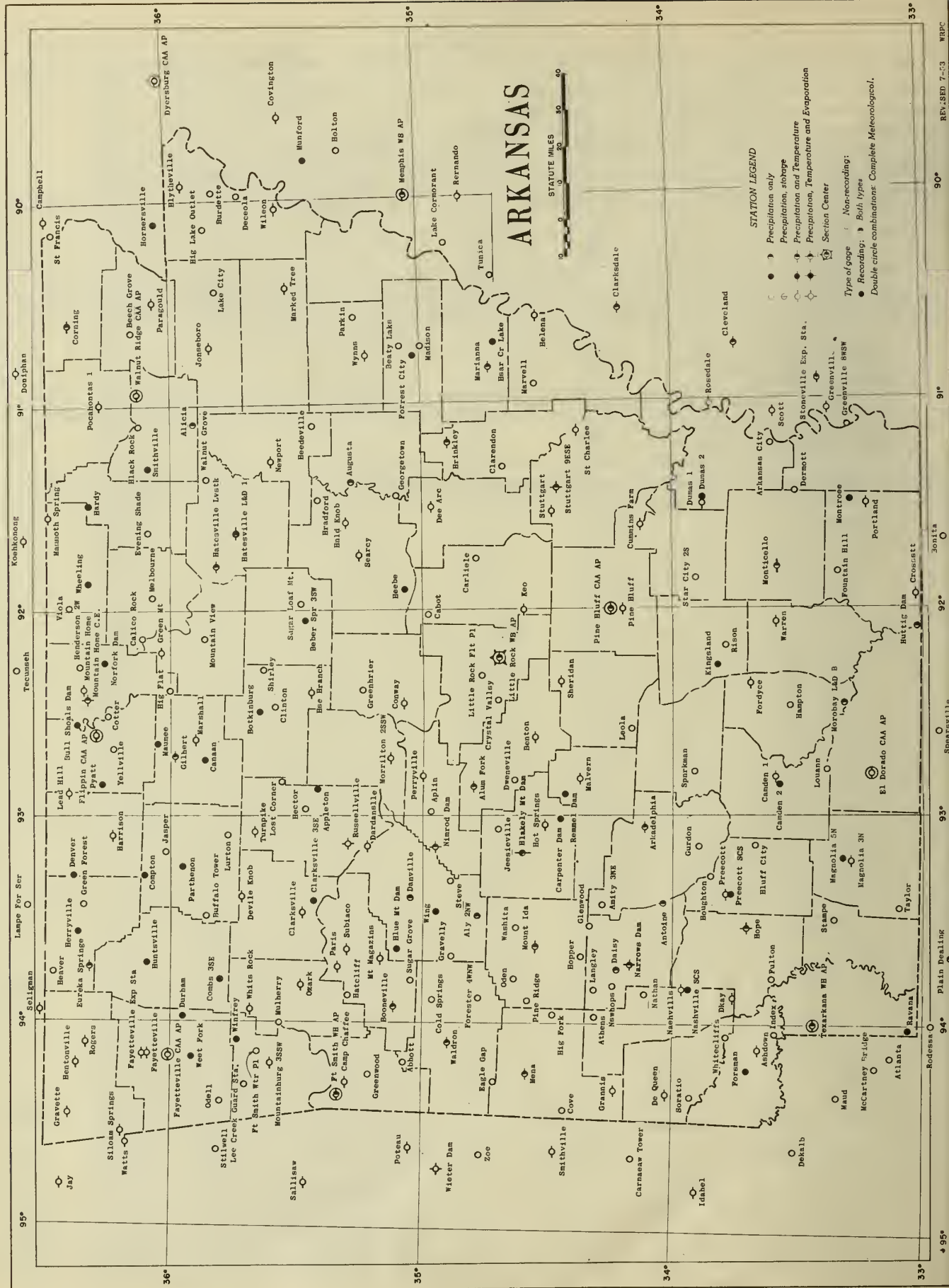
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

WRPC, KANSAS CITY, MO., -- 12-10-53 -- 1025

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



51.05
ANAR

1.58''

nat. West.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

APR 26 1954

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

NOVEMBER 1953
Volume LVIII No. 11

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 9, Mo.
OFFICIAL BUSINESS
Penalty No. 1024
03



Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

ARKANSAS - NOVEMBER 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The month of November 1953 over Arkansas brought a continuation of the drought conditions that had persisted since the closing days of May.

The average monthly precipitation over the State was 2.16 inches, which is 1.64 inches below the normal. Monthly totals at the various stations over the State ranged from 0.82 inch at Siloam Springs to 4.56 inches at Dermott. The greatest daily amount recorded was 2.90 inches at Helena on the 22nd. The only measurable snow reported was 1.5 inches at Mammoth Spring and 0.5 inch at Pocahontas on the 7th. Several stations reported snow flurries, too light to measure. Measurable precipitation occurred on an average of five days during the month.

The monthly mean temperature for the State was 49.5° which is 1.7° below the normal. Monthly mean temperatures at individual stations ranged from 44.7° at Mount Magazine to 53.7° at Fordyce. The highest temperature reported was 85° at Fordyce on the 19th and the lowest 15° at Mammoth Spring on the 28th. Temperatures fell to 32° or lower on an average of 13 days during the month. Heavy to killing frosts were general over the State on the morning of the 9th.

Considerable cotton remained to be picked as the month opened but due to favorable conditions during most of the month picking was generally near completion by the close.

There were some reports of damage to rice due to frosts and freezing weather during the closing days of October and during the first two weeks of November. The damage was mainly to grade rather than to quantity of yield. The rice harvest was slowed near the middle of the month by lack of sufficient storage facilities.

Good progress was made in gathering corn and combining soybeans. Late harvest of these crops continued through the close of the month.

The planting of winter grains continued throughout the month. In most sections the ground was too dry for proper germination of the seeds until after the general rains at the beginning of the third week. Cover crops generally showed improvement after these rains.

Pastures continued poor in most sections. As a result cattle required heavy supplemental feeding.

The duck hunting season got off to a poor start due to lack of water over the eastern portion of the State. Many reservoirs, ponds, and streams in the area were dry.

The forest fire situation continued extremely critical during the first half of the month but was generally alleviated by the rains during the latter half.

The only destructive storm reported during the month was a wind and hail storm that caused an estimated \$35,000 damage to barns and sheds in the south suburbs of Little Rock during the early evening of the 19th. No crop damage resulted.

The streams in the State continued at low stages throughout the month.--J.F.R.

SUPPLEMENTAL DATA

ARKANSAS
NOVEMBER 1953

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 prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH W8 AIRPORT	NE	22	7.1	26	W	19	76	84	44	58	4	0	0	1	1	0	6	58	4.8
LITTLE ROCK W8 AIRPORT	SW	13	7.3	36	NW	25	68	77	43	48	4	0	1	2	0	0	7	64	4.2
TEXARKANA W8 AIRPORT	-	-	-	-	-	-	-	85	48	60	1	2	4	2	0	0	9	-	4.0

COMPARATIVE DATA

Table 1

NOVEMBER

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	49.7	87	10	5.56	-	8	1916	52.1	87	10	2.95	T	5	1941	49.9	87	18	2.31	T	6
1892	49.9	79	20	5.83	1.2	9	1917	50.7	85	11	1.96	T	4	1942	54.5	88	18	3.83	T	8
1893	49.3	84	10	4.21	0.0	5	1918	49.7	88	18	3.91	0.1	6	1943	49.7	88	15	1.10	T	3
1894	50.4	81	12	1.12	T	2	1919	51.4	86	14	6.27	T	7	1944	52.7	87	17	4.70	0.1	7
1895	49.9	82	16	4.82	0.1	6	1920	47.8	89	10	1.95	T	5	1945	53.5	88	14	3.97	T	8
1896	52.8	88	8	4.34	0.1	7	1921	54.9	88	17	5.53	T	7	1946	53.6	85	17	9.09	0.0	10
1897	51.6	88	15	2.82	T	6	1922	52.9	88	20	3.89	0.0	6	1947	47.7	82	17	5.06	T	11
1898	47.5	87	9	3.20	T	4	1923	50.8	81	21	3.34	0.3	6	1948	50.9	85	13	5.78	0.7	11
1899	54.3	87	17	2.61	T	6	1924	53.4	88	15	2.36	T	4	1949	52.3	85	12	0.37	0.0	7
1900	51.4	90	18	4.28	T	6	1925	50.4	89	15	5.67	T	8	1950	47.4	89	0	2.24	0.2	1
1901	50.5	88	15	2.99	0.0	5	1926	47.2	81	10	3.33	0.7	6	1951	45.0	89	9	5.13	1.6	10
1902	56.5	90	18	6.66	T	9	1927	56.7	96	20	3.67	0.1	6	1952	49.7	88	9	7.01	1.5	7
1903	47.6	89	2	0.64	0.1	3	1928	50.2	82	13	4.25	T	8	1953	49.5	85	15	2.16	T	5
1904	51.4	89	17	1.38	T	3	1929	46.1	85	7	2.61	2.3	8	All Years	51.1			3.84	.2	
1905	53.2	88	9	3.28	T	5	1930	50.5	87	16	4.15	T	7							
1906	50.2	88	13	5.90	0.1	6	1931	57.6	88	18	6.34	T	9							
1907	49.0	84	10	5.71	T	6	1932	46.7	82	9	1.98	0.1	6							
1908	53.8	88	5	5.40	T	8	1933	53.0	85	20	1.86	T	4							
1909	59.3	90	16	3.75	0.0	7	1934	54.0	88	20	6.89	0.6	9							
1910	51.5	85	17	0.47	0.0	3	1935	49.8	89	16	3.81	T	9							
1911	46.8	86	5	3.18	0.2	7	1936	48.5	87	12	3.00	0.2	5							
1912	50.5	89	13	1.66	T	2	1937	48.3	90	6	4.99	0.5	8							
1913	57.6	85	20	2.47	0.0	5	1938	50.7	89	8	5.26	0.1	8							
1914	52.6	88	11	2.32	T	4	1939	48.8	87	14	3.39	T	7							
1915	54.8	88	17	5.40	0.1	6	1940	49.3	82	3	5.93	T	9							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature													Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										90° or Above	32° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More
ALUM FORK	65.4	35.4M	50.4M	- 1.1	81	3	26	26	433	0	0	11	0	1.86	- 3.41								
ARKAOELPHIA	68.6	35.9	52.3	- .9	81	2	24	10	380	0	0	15	0	1.74	- 2.11								
ASHOOWN	64.0	33.5	48.8		78	3	22	10	481	0	0	16	0	4.45	1.94	19	.0	.0	.0	6	2	2	0
BALO KNOB	64.7M	33.4M	49.1M		80	3	20	10	471	0	0	0	0	1.18	.60	20	.0	.0	.0	6	1	0	1
BATESVILLE LIVESTOCK	64.8	31.7	48.3		80	4	18	28		0	0	17	0	1.52	1.01	20	.0	.0	.0	5	1	1	
BATESVILLE L & O 1	64.0	31.9	48.0		78	2	18	28	503	0	0	19	0	1.13	.67	20	.0	.0	.0	2	1	0	0
BENTON	65.5	33.5	49.5	- .8	81	3	22	10	456	0	0	17	0	2.04	1.18	20	.0	.0	.0	4	1	1	1
BENTONVILLE	59.8	30.8	45.3	- 2.7	72	2	19	28	584	0	0	20	0	1.13	- 2.15	1.00	20	.0	.0	4	2	2	1
BLITHEVILLE	65.2M	38.0M	51.6M	1.4	82	3	24	28	403	0	0	0	0	2.12	- 1.24	1.45	21	.0	.0	4	2	2	1
BOONEVILLE	65.7	34.6	50.2		81	2	22	10	438	0	0	15	0	2.28	1.58	20	.0	.0	.0	5	1	1	
BRINKLEY	65.6M	30.2M	47.9M	- 4.0	80	4	22	6		0	0	22	0	2.49	1.35	22	.0	.0	.0	4	2	2	0
*CAMDEN 1	69.0M				81	4				0	0		0	2.18	- 2.23	.93	20	T	0	6	2	0	1
CAMP CHAFFEE	65.1	33.6	49.4		79	2	22	10	460	0	0	18	0	2.26	1.58	20	.0	.0	.0	3	2	2	0
CLARKSVILLE	63.8	34.1	49.0		80	3	23	9	474	0	0	18	0	1.79	.66	20	T	0	.0	6	2	0	1
CONWAY	65.7	36.8	51.3	- .5	81	2	26	10	406	0	0	11	0	1.73	- 2.29	1.24	20	.0	.0	4	4	1	1
CORNING	62.5	34.3	48.4	- .2	78	4	21	10		0	0	15	0	1.45	1.45	.63	20	.0	.0	4	2	0	0
CROSSETT	68.1	35.8	52.0	- 1.8	84	3	21	10	392	0	0	17	0	2.64	- 1.57	1.55	22	.0	.0	5	4	1	1
CUMMINS FARM	67.8				81	3				0	0		0	3.02	1.70	22	.0	.0	.0	4	2	1	1
OAROANELLE	64.7	36.0	50.4	- 1.3	81	2	25	10	431	0	0	13	0	2.73	1.75	1.68	20	.0	.0	5	5	1	1
DE QUEEN	65.9	35.1	50.5	- 2.1	78	1	24	23	428	0	0	12	0	2.38	- 1.72	.88	20	.0	.0	6	2	2	0

See reference notes following Station Index.

DAILY PRECIPITATION

ARKANSAS
NOVEMBER 1953

Table 3--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			
MARSHALL	2.22																			.10	1.83	*	.27	T		.02									
MARVELL	2.31																			.91		1.40													
MELBOURNE	2.13																			.02	1.72		.39												
MENA	3.29				.51	.37		.02	T											.22	2.04		.13												
MONTICELLO	3.81				.14															.37	.66		2.30												
MOROBY L O B	3.19				.11	.08			.11										.02		.64		1.97								.26				
MORRILTON	2.20				.22	.08														.30	1.05		.22			T									
MOUNT IDA	1.90					.25														1.39	.67	.12	.30												
MOUNT MAGAZINE	2.68				.50															.33	1.17	.08	.12												
MOUNTAIN HOME	1.70																																		
MOUNTAIN HOME CE	1.59																				1.38		.21												
MOUNTAIN VIEW 3 E	1.84				T	T														T	1.20		.64												
MOUNTAINBURG 3 SSW	2.00				.63	.01		T													.85	.68	.03	.05											
MULBERRY	1.72				.45	T															1.22		.05												
NARROWS DAM	2.81				.80	.01		.01													.70	1.01	.10	.09								.09			
NASHVILLE PEACH SUBSTA	2.74				.67	.25		.06	.05											.09	.12	1.30	.24									.01			
NATHAN	3.00				.50	.33														.26	.29	1.19	.31												
NFWHOPE	2.78				*	.53		T													.75	1.10	.30									.12			
NEWPORT	1.49				T																T	.87	.47									.10			
NIMROD DAM	2.43				.35	.15														.03	.16	1.43	.31									.15			
NOELL	2.28				.45	.15																1.68													
ODEN	2.40				.28	.22			T											.03	.34	1.16	.37												
OKAY	2.98				.70	.03			.07												.15	1.85	.14	.04											
OSCEOLA	2.02						T														T	.29	1.61									.12			
OWNSVILLE	1.88				.12	.02		T													.22	1.22	.30									.08			
OZARK	1.33				.24	.11		T	T												T	.93	.05	T											
PARAGOULO	1.76							T												.08	T	.72	.50									.06			
PARIS	2.20				.41																*	1.64	.10	.05								.08			
PARKIN	2.93																					1.54	1.31												
PERRYVILLE	2.62				.35																.07	2.00	.08	.12											
PINE BLUFF	2.27				.05	T															T	.01	1.01	1.09									.11		
PINE BLUFF CAA AP	2.64				.07	.22		T													.84	.01	1.55	T									.17		
PINE RIDGE	2.63				.37	.27														.06	.39	1.11	.43									.08			
POCAHONTAS 1	1.41							.10													.02	.74	.46										.01		
PORTLAND	2.92				T	T			T												T	1.15	1.55										.22		
PRESCOTT	2.08				.20	.15		T	.05												T	.15	1.10	.43									T		
RATCLIFF	1.52				*	.42															T	1.10													
RISON	2.71				.07																	1.10	1.31										.23		
ROGERS	1.52				.04	.06		T													.79	.62	T	.22									.01		
RUSSELLVILLE	2.94				.40															.04	.28	1.90	.10	.22									.01		
SAINT CHARLES	2.61				T	.01															.03	.98	1.59										.15		
SAINT FRANCIS	1.45																				T	.30	1.00												
SEARCY	1.34				.03																T	.79	.50										.02		
SHERIDAN	1.43				T																T	.15	.75	.53											
SHIRLEY	1.33				.09																	.08	.70	.46											
SILDAM SPRINGS	.87				.15	T		T													T	.67													
SPARKMAN	1.61																					1.02	.59												
STAMPS	-				.34	.18		.23	.35													-	.54										T		
STAR CITY 2 S	-																																		
STEVE	2.50																					2.50													
STUTTGART	2.28				.02																	.71	1.55												
STUTTGART 9 ESE	2.56																					.85	1.71												
SURIACO	2.28				.45																*	1.65	.18												
SUGAR GROVE	2.95				.35	.15														.25	*	1.50	.70												
SUGAR LOAF MTN	-				.06	.01																-	-	-	-	-	-	-	-	-	-	-	-	-	
TAYLOR	2.46				.37	.27			.24													.08	1.00	.50										.05	
TEXARKANA WR AP	2.54				.99		T														.01	.03	.70	.26									.10		
TURNPIKE	2.47				.73																.13	*	1.79	*	.32										
VITLA	2.14																						1.45	.69											
WALDRON	2.60				.60			T														*	2.00	T											
WALNUT GROVE	1.36																					.86	T	.46										.04	
WALNUT RIDGE CAA AP	1.66				T			.05														.92	.09	.48	.03									.09	
WARREN	2.69				.15			.05														.04	.73	.37											
WASHITA	2.15				.20																	.35	1.10	.50										.05	
WHITE ROCK	1.45				.38																	*	1.04	.03										.23	
WHITE CLIFFS	2.62				.50	.37		T														T	1.60	.15											
WILSON	2.05																					.40	1.65												
WYNN	2.17				T																	T	.99	1.18											
YELLVILLE	1.75																					T	1.50	.23											

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1953

Table 5-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			
STUTT GART 9ESE	MAX	65	73	77	80	70	59	52	53	55	53	65	71	72	73	74	76	74	76	78	69	65	59	53	57	61	59	54	52	55	60	64.7		
	MIN	31	31	31	40	37	24	34	26	23	20	21	28	28	28	28	29	29	29	59	59	59	59	59	57	61	63	61	52	63	67			
SUBIACO	MAX	76	80	78	72	57	52	48	58	67	72	71	75	75	75	74	76	77	73	68	59	52	49	59	61	55	63	61	52	63	67	65.5		
	MIN	38	40	44	47	47	29	38	29	26	33	34	35	35	35	35	36	41	57	54	42	30	39	26	35	36	31	41	30	35	31			
TEXARKANA WB AP	MAX	75	77	75	62	61	53	46	54	58	65	69	72	73	75	74	74	73	73	77	57	54	48	67	65	60	63	68	49	63	68	64.9		
	MIN	46	43	49	49	43	35	38	35	31	29	35	37	37	38	41	39	43	63	53	38	34	36	32	42	36	30	41	38	44	47			
TURNPIKE	MAX			73	63	45	41	40	42	49	55	64	65	65	65	66	67	65	55	56	59	49	40	52	52	45	50	49	42	53	53	54.3		
	MIN	47	53	50	39	35	21	30	29	28	36	36	40	45	40	41	42	39	40	43	35	30	31	30	40	30	24	35	25	32	31			
WALORON	MAX	74	77	77	70	59	53	45	53	58	67	72	73	75	76	75	76	75	76	75	69	65	57	50	49	65	59	54	62	60	53	63	66	64.2
	MIN	32	33	39	47	46	29	39	39	22	20	26	28	27	27	28	28	33	50	54	37	25	39	22	30	28	23	30	26	32	28			
WALNUT RIDGE CAA AP	MAX	76	77	79	61	54	50	46	55	59	63	70	68	72	73	74	73	74	76	75	62	56	53	54	56	54	51	52	48	62	62	62.8		
	MIN	36	40	40	49	33	26	32	33	24	21	30	35	32	32	34	34	34	49	57	39	32	37	32	37	33	30	30	52	36	35			
WARREN	MAX	72	74	82	71	61	54	55	60	60	67	72	72	75	76	78	75	75	77	76	72	62	53	61	63	62	58	53	53	54	66	66.3		
	MIN	43	45	48	47	42	25	34	35	31	32	26					28	34	52	62	53	43	40	27	42	33	23	28	29	33	36			
WHITE ROCK	MAX	69	70	73	65	53	44	41	46	54	57	67	62	66	67	66	67	68	61	58	54	47	40	54	52	48	54	51	40	60	61	57.2		
	MIN	46	51	50	43	42	25	28	31	32	37	43	47	46	50	52	48	51	54	50	31	31	30	30	36	35	26	37	29	34	39			
WILSDN	MAX	73	77	76	67	58	51	49	52	57	61	69	68	72	77	78	73	74	78	80	72	62	57	57	52	59	57	51	47	59	58	64.0		
	MIN	39	42	44	51	39	28	37	33	25	25	36	32	35	37	36	37	36	48	49	56	62	45	36	46	34	38	37	24	31	42			
WYNNE	MAX	72	71	78	59	57	51	49	54	57	64	69	70	72	73	73	74	73	76	73	66	58	57	57	54	58	52	51	47	58	62	62.8		
	MIN	37	39	43	47	40	27	37	31	21	19	32	32	33	34	36	36	36	54	59	52	30	44	33	42	27	28	30	23	31	36			

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MT DAM	EVAP	-	-	.13	.06	.14	.15	*	*	.28	.10	*	.17	.10	*	.29	.09	.06	.06	.08	*	*	.15	.05	.14	*	*	*	*	*	.45	2.688
	WIND	-	-	.42	.26	.122	.99	*	*	.196	.51	*	.75	.32	*	.103	.28	.43	.52	.83	*	*	.193	.56	.70	*	*	*	*	*	.308	
HOPE	EVAP	-	.14	.19	*	.52	.19	*	*	.17	.07	.11	.08	.07	.22	-	.12	*	.13	.06	-	.13	*	.06	.06	.16	*	.10	.24	.02	.10	3.278
	WIND	9	.17	.13	.11	.66	.81	.23	*	.112	.22	.7	.10	.6	.14	7	-	-	-	.12	.15	.24	*	.55	.26	.55	*	.22	.39	.10	.15	
MOUNTAIN HOME C E	EVAP	.07	.07	.12	.15	.17	.17	.09	.06	.05	.06	.12	.05	.08	.08	.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1282	
	WIND	16	16	31	.41	.100	.66	.42	.80	.41	.19	.19	.13	.10	.21	17	37	12	63	88	95	35	28	54	56	89	.61	.53	.32	.28		
NARRDWS DAM	EVAP	.11	.13	.09	*	.23	.10	.06	.06	.07	.15	.02	.06	.10	.09	.09	.08	.10	-	.18	.16	.06	.01	.03	.05	.16	.10	.08	.06	.02	.07	2.618
	WIND	4	3	4	.14	.51	.38	.31	.23	.24	.15	.12	.19	.26	.23	.24	.19	.27	.43	.45	.41	.17	.24	.19	.40	.55	.52	.25	.19	.11	.11	
NIMRDD DAM	EVAP	.11	.14	.15	.12	.05	*	.16	.05	.04	.14	.04	.13	.12	.07	.06	.10	.09	.08	.03	.05	.12	.02	.02	.07	.03	.26	.07	.06	.03	.07	2.48
	WIND	11	16	19	.14	.4	.14	.19	.7	.10	.25	.10	.12	.20	8	20	13	25	24	26	40	35	29	40	36	*	.168	.21	.18	.5	.26	
RUSSELLVILLE	EVAP	.07	.08	.08	.04	.15	.07	.06	.05	.07	.03	.04	.06	.06	.09	.05	.04	.08	*	*	.18	.02	.11	.04	.08	.07	.08	.04	.08	.02	.01	1.85
	WIND	5	6	5	.19	.29	.27	.10	.8	6	5	4	5	4	3	7	8	10	24	30	10	21	8	.31	.35	.25	7	11	10	9		
STUTT GART 9 ESE	EVAP	.07	.10	.08	.05	.17	.15	.08	*	*	*	*	.33	.07	.07	.10	.06	.08	.05	.11	.05	.14	.06	.06	.05	.12	*	.12	*	.09	-	2.348
	WIND	10	10	15	9	36	149	.64	.22	.29	16	8	18	13	6	10	5	8	22	78	101	44	67	61	49	8	107	85	23	15	28	

SNOWFALL AND SNOW ON GROUND

Table 7

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
DUMAS 1	SNOWFALL						T																								
FAYETTEVILLE EXP STA	SNOWFALL						T																			T					
FT. SMITH WB AP	SNOWFALL																														
JONESBORO	SNOWFALL						T																								
MAMMOTH SPRING	SNOWFALL								*	1.5																					
PINE BLUFF CAA AP	SNOWFALL						T																								
POCAHONTAS 1	SNOWFALL								0.5																						
PORTLAND	SNOWFALL						T																								
ROGERS	SNOWFALL						T																								

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

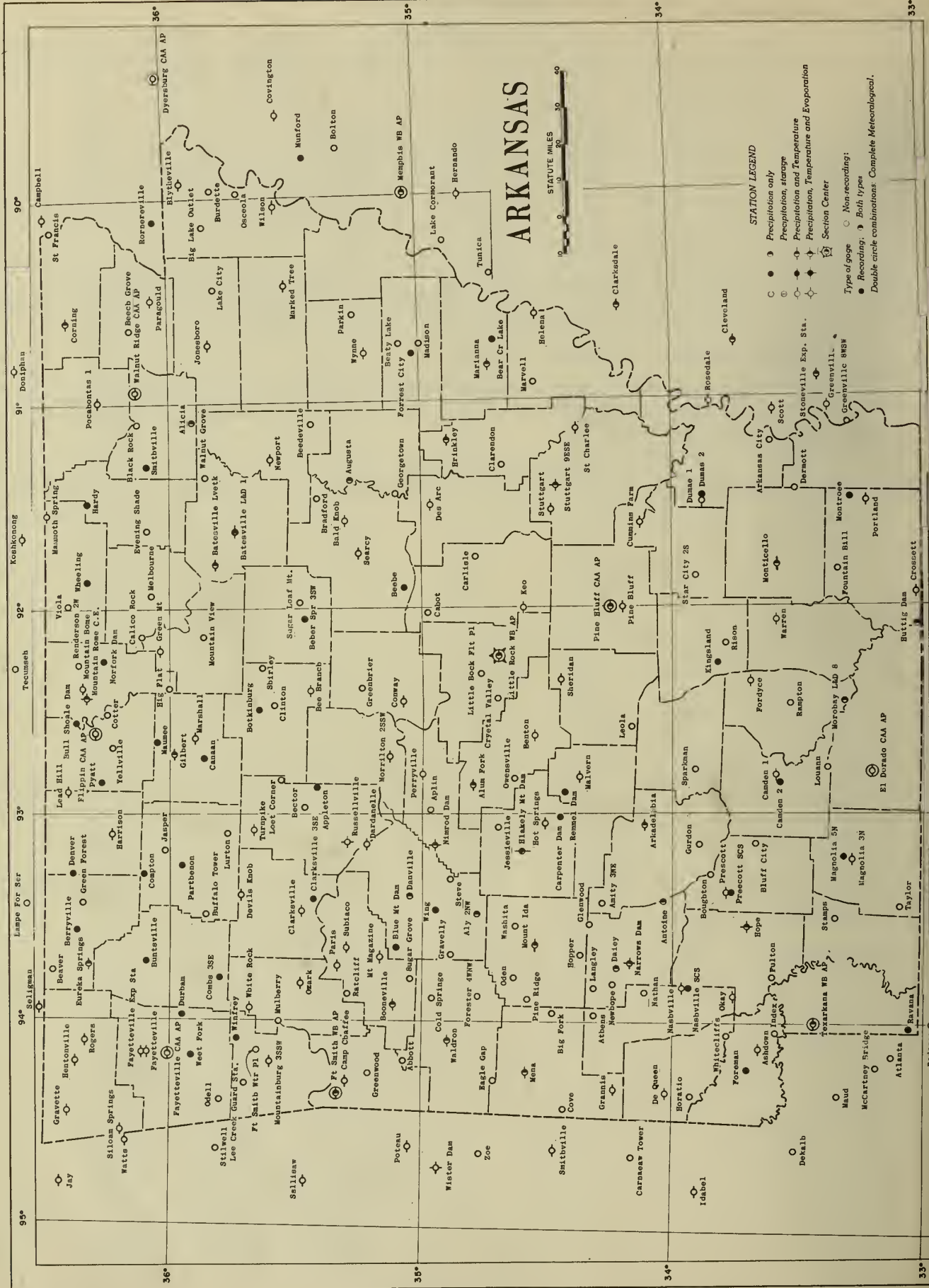
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Treasurer of the United States. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

W.R.P.C., Kansas City, Mo. -- 1-19-54 -- 1025

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



ARKANSAS

STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center

Type of gage ○ Non-recording;
 ● Recording; ● Both types
 Double circle combinations: Complete Meteorological.

551.05
UNAR
V. 58'2

Nat. Hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

FEB 24 1954

ARKANSAS

THE LIBRARY OF THE
UNIVERSITY OF ILLINOIS

DECEMBER 1953
Volume LVIII No. 12



NAT.
HIST.

ARKANSAS - DECEMBER 1953

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

General rains early in the month of December 1953 brought welcome relief from the drought conditions that had persisted over the State since the closing days of the preceding May.

The monthly average precipitation for the State was 3.15 inches--which is 1.04 inches below the normal. Monthly totals at individual stations ranged from 0.82 inch at Calico Rock to 7.15 inches at Crossett. The greatest daily amount reported was 2.86 inches at Fountain Hill on the 3rd. The greatest monthly snowfall was 1.0 inch at Eureka Springs, Devils Knob had 0.5 inch, and Gravette 0.4 inch. These were the only measurable amounts of snow reported. Several stations had flurries too light to measure. There was an average of eight days with 0.01 inch or more of precipitation during the month.

The monthly mean temperature for the State was 41.1°, which is 1.7° below the normal. Monthly mean temperatures ranged from 34.8° at Mt. Magazine to 44.6° at Crossett. The highest temperature recorded was 72° at Crossett on the 6th and the lowest 0° at Mt. Magazine on the 23rd. Temperatures fell to freezing or lower on an average of 18 days during the month.

Farm activity during the month was limited to picking remnant cotton, gathering pecans, building fences, clearing, butchering, and other usual late fall and early winter chores. The picking of remnant cotton was delayed by wet fields in many sections and some remained to be picked at the close of the month.

Pastures showed a steady improvement during the month. Winter crops, such as late planted rye, vetch, and other grasses had advanced enough to furnish considerable pasturage during the latter half of the month. As a result, cattle improved, and were generally in fair condition by the close of the month.

Rains during the month replenished the surface soil moisture in nearly all sections. The streams of the State, however, continued at low stages. Many pin oak flats in the eastern half of the state either remained dry or had water only in low places. Many reservoirs and rice fields in the area were dry throughout the month. These conditions resulted in an extremely poor season in the major duck-hunting areas of the State. Many duck did not make their usual stop in the State but continued their southward migration in search of adequate water.

STORMS

At 9:00 a.m. on the morning of the 5th, a hail storm in the vicinity of Portland in Ashley County caused an estimated \$3,000 damage to remnant cotton.

A tornado was first reported near Spencer, Louisiana, at 6:00 p.m. of the 5th. It moved in a northeasterly direction, lifting to the northeast of the town. It again touched ground six miles south of the Arkansas-Louisiana line, just north of the town of Beekman, Louisiana. The storm remained on the ground across Ashley County, Arkansas to a point five miles north-east of Montrose, Arkansas, where it apparently dissipated. The path averaged 500 yards in width and covered a total distance of about 55 miles. The storm caused extensive damage to timber for lumber and pulp wood in the heavily forested area in its path. The tops of many large trees were broken off, making salvage operations extremely difficult. A total of four houses were destroyed and six damaged in Ashley County. The total damage to property, other than crops, was estimated at \$164,500. Crop damage, mostly to remnant cotton, was estimated at \$2,500. There were no deaths or injuries.

At 6:00 p.m. of the 5th a wind storm struck the southeastern portion of Union County. A total of eleven houses were damaged and three out-buildings were destroyed. Property damage was estimated at \$11,000.

At 7:00 p.m. of the 5th a wind storm struck the southeastern portion of Drew County. A total of seven houses were destroyed and four damaged. The storm also destroyed seven out-buildings and damaged four. Property damage was estimated as \$25,000. There were no deaths or injuries.
--J.F.R.

SUPPLEMENTAL DATA

ARKANSAS
DECEMBER 1953

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AIRPORT	NE	19	8.6	26	SW	3	73	78	55	63	2	3	3	2	1	0	11	49	5.3
LITTLE ROCK WB AIRPORT	SW	13	8.6	42	SE	3	70	73	53	59	5	3	4	3	0	0	15	47	5.3
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	79	56	63	3	3	4	2	1	0	13	-	5.2

COMPARATIVE DATA

DECEMBER

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	46.9	72	13	4.69	-	7	1916	42.1	82	-16	3.35	4.5	6	1941	44.7	80	14	3.67	0.3	7
1892	40.9	83	-10	8.73	0.7	10	1917	34.8	81	-21	1.29	0.3	7	1942	42.7	80	16	4.87	0.6	10
1893	45.4	79	3	1.83	T	5	1918	47.6	88	9	5.62	0.3	7	1943	40.7	82	-5	3.43	0.7	7
1894	44.6	82	-11	3.48	1.3	6	1919	40.4	78	1	1.94	T	5	1944	38.0	76	4	7.86	0.4	11
1895	43.8	78	5	3.96	1.4	7	1920	43.2	74	6	5.95	0.4	8	1945	37.7	79	-12	2.25	2.1	7
1896	45.8	81	8	0.84	T	8	1921	47.1	82	11	2.78	T	6	1946	48.3	81	4	4.18	0.6	6
1897	40.3	81	10	6.00	2.2	8	1922	47.8	86	12	4.59	T	9	1947	44.2	78	10	4.22	0.2	6
1898	39.5	76	-4	1.87	2.9	9	1923	49.1	80	9	6.24	T	13	1948	44.3	83	8	4.03	T	8
1899	41.0	74	8	4.08	1.3	9	1924	41.4	85	-8	3.65	0.3	6	1949	44.9	85	9	4.77	0.1	11
1900	44.9	82	10	2.76	T	5	1925	40.2	81	-6	1.71	0.3	6	1950	38.6	81	-8	1.25	1.3	4
1901	38.5	87	-6	4.42	1.3	6	1926	43.3	79	-3	7.15	2.1	10	1951	43.9	84	-1	3.76	T	9
1902	40.8	75	5	5.71	3.3	8	1927	40.9	84	-2	4.18	0.1	6	1952	42.7	80	12	3.66	T	7
1903	39.7	74	6	3.44	0.7	6	1928	43.4	87	10	4.41	T	6	1953	41.1	72	0	3.15	T	8
1904	42.9	80	3	5.10	0.6	7	1929	44.4	82	-5	3.84	2.7	8							
1905	38.5	69	7	4.96	1.4	9	1930	40.6	83	9	2.58	0.9	6							
1906	46.5	83	10	5.64	0.2	8	1931	48.7	78	17	7.79	T	14	All Years	42.8			4.16	1.0	
1907	44.4	85	11	2.70	0.7	7	1932	39.9	79	-5	7.86	3.6	12							
1908	46.0	82	11	1.50	0.2	5	1933	49.3	83	11	5.41	0.1	7							
1909	35.3	82	1	5.26	3.2	9	1934	41.5	74	4	3.78	0.2	9							
1910	40.8	75	9	3.57	0.8	6	1935	37.6	73	-4	2.95	2.8	5							
1911	43.0	78	3	7.00	1.0	12	1936	45.5	78	13	5.32	0.1	9							
1912	41.7	76	8	2.63	1.2	7	1937	42.2	78	0	4.61	0.1	11							
1913	43.6	77	14	3.26	2.3	9	1938	44.6	74	6	2.93	T	7							
1914	36.1	70	-11	6.26	4.3	12	1939	45.5	84	5	2.46	1.4	5							
1915	43.9	78	11	4.73	0.3	7	1940	46.7	77	14	3.90	T	9							

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										90° or above	32° or below	32° or below					Total	Max. Depth on Ground	Date	.01 or More	.50 or More	1.00 or More		
ALUM FORK	53.8	31.1	42.5	-1.3	66	1	11	23	688	0	1	16	0	2.95	-.87	1.25	3	T	0	0	6	3	1	
ARKADELPHIA	56.0	30.8	43.4	-1.1	69	3	11	24	662	0	0	18	0	4.24	-.80	1.73	2	T	0	0	10	3	1	
ASHDOWN	55.9M	30.6M	43.3M		68	1	11	23+	667	0	0	19	0	2.81		.89	2	.0	0	0	7	3	0	
BALD KNOB	52.5	28.5	40.5		68	3	8	24	751	0	1	20	0	2.26		1.14	3	.0	0	0	4	2	1	
BATESVILLE LIVESTOCK	51.5	25.8	38.7		68	4	6	25	0	2	22	0	1.91		.85	3	T	0	0	0	6	2	0	
BATESVILLE L & D 1	52.5	27.4	40.0		68	3	4	24	771	0	1	20	0	2.08	-1.88	.85	3	T	0	0	6	2	0	
BENTON	53.4M	28.9M	41.2M	-.8	68	1	7	24	734	0	1	21	0	4.58		2.58	3	.0	0	0	9	2	1	
BENTONVILLE	49.4	25.0	37.2	-1.6	65	1	4	23	855	0	1	25	0	2.08	-.38	1.17	3	T	T	23	7	1	1	
BLYTEVILLE	51.1	32.0	41.6	-.3	68	5	12	24	717	0	1	17	0	3.77	-.54	1.32	6	.0	0	0	8	3	1	
BOONEVILLE	54.4	30.1	42.3		71	1	9	24	695	0	0	16	0	1.90		.70	2	.0	0	0	7	2	0	
BRINKLEY	52.5	32.6	42.6	-1.2	63	2+	11	24	689	0	0	13	0	4.22	-.89	1.43	3	.0	0	0	8	3	1	
CAMDEN 1	55.2	25.5	40.4	-4.9	70	1+	7	24	0	0	24	0	5.26	.26	2.45	3	.0	0	0	0	8	3	2	
CAMP CHAFFEE	55.3	28.9	42.1		69	1	8	24	701	0	0	18	0	2.76		1.01	3	T	0	0	8	2	1	
CLARKSVILLE	53.9	28.4	41.2		67	7+	8	24	731	0	0	20	0	2.09		1.60	2	.0	0	0	5	1	1	
CONWAY	53.6	32.0	42.8	-.2	69	1	11	24	681	0	0	18	0	2.71	-1.60	1.40	3	.0	0	0	8	2	1	
CORNING	51.0	29.6	40.3	.4	66	4	11	23	0	1	20	0	2.24	-1.45	.65	3	.0	0	0	0	6	1	0	
CROSSETT	56.5	32.7	44.6	-2.0	72	6	11	24	623	0	0	14	0	7.15	1.66	2.42	3	.0	0	0	13	4	3	
CUMMINS FARM	54.5M				67	3+	15	24	0	0	0	0	0	0										
DARDANELLE	54.7	29.8	42.3	-.5	70	1	11	24	698	0	0	18	0	3.92	.38	2.30	6	.0	0	0	8	1	0	
DE QUEEN	55.3	30.4	42.9	-2.3	67	3	11	24+	679	0	0	17	0	4.23	.34	1.32	2	.0	0	0	8	4	1	

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
DECEMBER 1953

Table 5

Table with columns: Station, Day Of Month (1-31), Average. Rows include stations like ALUM FORK, ARKADDELPHIA, ASHDOWN, BALD KNOB, BATESVILLE LIVESTOCK, BATESVILLE L AND O NO 1, BENTON, BENTONVILLE, BLYTHEVILLE, BOONEVILLE, BRINKLEY, CAMDEN 1, CAMP CHAFFEE, CLARKSVILLE, CONWAY, CORNING, CROSSETT, CUMMINS FARM, GARDANELLE, OE QUEEN, OES ARC, DEVILS KNOB, OUMAS 1, EL OORAO CAA AP, EUREKA SPRINGS, FAYETTEVILLE, FAYETTEVILLE CAA AP, FAYETTEVILLE EXP STA, FLIPPIN CAA AP, FORDYCE, FORT SMITH WB AR, GILBERT, GRANNIS, GRAVETTE, GREEN MOUNTAIN, HARRISON, HELENA, HOPE, HOT SPRINGS.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
DECEMBER 1953

Table 5 - 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	
STUTT GART 9ESE	MAX	65	63	61	68	62	62	53	60	59	48	53	45	54	53	43	51	47	36	41	50	45	50	36	30	40	50	56	51	47	52	43	
	MIN	34	46	50	38	42	45	32	33	36	27	27	39	33	32	25	25	25	20	20	20	35	35	16	15	23	23	23	34	38	34	26	
SUBIACD	MAX	70	64	66	63	59	56	66	62	60	60	55	54	51	47	45	52	47	47	55	56	53	48	35	41	51	59	54	52	51	50	59	
	MIN	34	46	50	38	42	35	27	38	34	26	38	39	27	33	24	30	27	18	32	36	41	21	11	14	18	23	30	35	22	21	24	
TEXARKANA W8 AP	MAX	65	63	67	63	68	57	64	61	58	57	45	52	55	45	57	52	41	50	54	48	52	46	36	42	54	62	58	52	57	51	56	
	MIN	43	54	50	38	44	40	35	42	35	28	39	40	36	31	25	32	28	24	31	39	46	24	17	16	24	28	38	40	32	33	25	
TURNPIKE	MAX	59	54	56	53	51	55	57	50	47	48	44	41	43	37	37	40	36	34	43	49	49	41	22	28	50	55	45	42	46	52	47	
	MIN	31	40	44	30	42	31	35	37	28	27	35	30	30	25	22	23	21	12	25	27	36	14	2	12	21	26	28	28	29	24	28	
WALORON	MAX	67	60	64	62	60	55	62	60	60	58	55	49	53	43	54	49	46	50	57	56	52	47	32	45	54	60	56	52	59	57	59	
	MIN	32	49	48	32	45	35	24	44	34	20	38	39	24	34	19	28	22	16	34	38	46	21	11	6	9	15	27	34	19	28	16	
WALNUT RIDGE CAA AP	MAX	63	65	67	60	63	56	60	59	55	52	48	55	51	39	47	40	33	39	50	56	49	46	29	39	52	54	51	48	53	43	51	
	MIN	28	47	53	42	41	34	32	39	35	27	35	33	28	28	24	26	17	15	25	33	42	17	11	11	16	25	30	31	30	29	25	
WARREN	MAX	67	63	70	61	69	67	57	59	59	56	47	56	54	56	54	53	45	49	62	52	50	34	43	51	61	55	49	56	52	51		
	MIN	36	45	52	37	34	34	26	28	36	23	34	36	29	31	22	31	29	25	38	40	28	12	10	21	19	27	39	34	32	18		
WHITE ROCK	MAX	59	55	56	53	50	50	58	55	52	49	44	42	41	40	39	43	37	39	40	48	41	39	29	35	51	55	43	42	46	45	48	
	MIN	43	42	47	29	42	29	36	39	27	28	34	32	29	26	24	26	23	22	30	37	36	11	4	16	21	33	36	27	29	25	28	
WILSON	MAX	56	66	66	60	68	67	68	68	59	53	48	50	51	40	46	42	33	38	58	58	50	50	32	37	48	55	54	51	52	48	51	
	MIN	31	44	53	46	48	37	34	36	43	28	34	36	35	25	25	25	20	14	24	41	35	29	14	9	26	28	28	41	41	33	27	
WYNNE	MAX	59	64	64	63	65	64	60	61	59	52	46	53	49	40	47	41	34	37	48	50	50	49	29	39	48	54	53	49	51	45	51	
	MIN	31	48	53	43	41	37	33	40	40	24	39	37	30	33	22	32	18	15	25	34	42	29	14	9	18	22	30	40	34	26	22	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	.09	.08	—	.13	*	*	.20	.11	.05	.07	.07	*	*	.17	*	.10	*	*	*	*	.19	.06	*	*	*	*	*	.20	.03	.05	—	
	WIND	.39	.67	102	.92	*	*	.167	.69	.80	.74	.50	*	*	.241	.79	.85	.46	.32	*	*	.129	.86	.180	.61	*	*	*	.174	.33	.83	.72	
HOPE	EVAP	—	—	—	.10	.10	.08	.05	.12	.00	.09	.07	.05	*	.10	.06	.06	.12	*	.06	*	.03	.08	*	*	*	*	*	.32	.06	.01	.07	
	WIND	16	23	62	.39	.21	.48	.38	.36	.47	.50	.15	.50	*	.96	.53	.40	.30	.25	.12	*	.31	.43	.20	.35	*	*	*	.171	.24	.5	.28	
NARROWS DAM	EVAP	.03	.09	.25	.09	.05	.07	.09	.04	.02	.04	.02	.02	.05	.15	.05	.02	.04	*	*	.08	.00	.00	.07	*	*	*	.23	.04	.05	—		
	WIND	23	29	74	.22	.13	.78	.27	.24	.89	.22	.8	.30	.31	.123	.22	.11	.14	.11	.16	.16	.23	.50	.78	.25	.8	.15	.9	.27	.8	.47	.22	
NIMROD DAM	EVAP	.09	.03	.13	.13	.12	.04	.07	.14	.07	*	.16	.02	.04	.13	*	.08	*	*	*	.17	.03	*	*	*	*	*	*	.37	*	.11	—	
	WIND	19	33	50	.26	.30	.81	.80	.29	.69	.119	.17	.6	.32	.130	.84	.10	.17	.13	.18	.15	.9	.68	.92	.6	.3	.35	.34	.16	.14	.36	.25	
RUSSELLVILLE	EVAP	.01	.06	.04	.08	.07	.07	.06	.07	.05	.06	.04	.02	.06	.02	.03	.04	.03	.04	.04	.00	.01	*	*	*	*	*	.20	.02	.02	.03		
	WIND	11	28	40	.28	.24	.54	.14	.17	.30	.20	*	.15	*	.90	.7	.12	.8	.11	.12	.12	.10	.68	.14	.5	.11	.6	.5	.16	.9	.12	.7	
STUTT GART 9 ESE	EVAP	.02	.07	—	.09	.08	.23	*	.22	.06	*	.08	.02	.10	.00	*	.10	*	*	*	.07	.02	*	*	*	*	*	.09	.00	.08	—		
	WIND	20	.68	123	.84	.65	144	.54	.59	105	.119	.40	.42	.73	.73	107	.38	.32	.18	.51	.51	.26	.73	.83	.35	.15	.37	.48	.58	.14	.32	.27	

SNOWFALL AND SNOW ON GROUND

Table 7

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	
CALICO RDCK	SNOWFALL SN ON GND																																
DANVILLE	SNOWFALL SN ON GND																																
DUMAS 1	SNOWFALL SN ON GND																																
EUREKA SPRINGS	SNOWFALL SN ON GND																																
FAYETTEVILLE EXP STA	SNOWFALL SN ON GND																																
FORT SMITH W8 AP	SNOWFALL SN ON GND																																
GRAVETTE	SNOWFALL SN ON GND																																
LITTLE RDCK W8 AP	SNOWFALL SN ON GND																																
MARKED TREE	SNOWFALL SN ON GND																																
DZARK	SNOWFALL SN ON GND																																
PINE BLUFF CAA AP	SNOWFALL SN ON GND																																
PORTLAND	SNOWFALL SN ON GND																																
PRESCOTT	SNOWFALL SN ON GND																																
WALDRON	SNOWFALL SN ON GND																																

CLIMATOLOGICAL DATA

ARKANSAS
DELAYED DATA

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max.	Min.	90° or Above	33° or Below					32° or Below	31° or Below	30° or Below	Total	Max. Depth on Ground	Date
APRIL 1953 BALD KNOB	70.0	44.8	57.4		82	8	30	19	249	0	0	3	0	7.08		2.42	24	.0	0		9	5	3

DAILY PRECIPITATION

Table 3

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		
APRIL 1953 BALD KNOB	7.08				.03	.43	1.21						.07	.14			.88			.56								2.42						1.34
JUNE 1953 HORATIO	.56						.19																									.37		
JULY 1953 BLAKELY MT DAM	6.46			.22				.82	1.78				*	.47	1.19			T								.70	1.25	.03						
OCTOBER 1953 COVE	1.32																																	1.32

DAILY TEMPERATURES

Table 5

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	
APRIL 1953 BALD KNOB	MAX MIN	75 47	63 38	65 48	68 35	65 42	54 48	66 38	82 53	81 60	80 45	68 44	54 49	64 34	69 36	69 48	63 34	75 36	73 36	58 30	60 32	70 32	80 45	77 64	76 62	76 56	66 42	70 36	78 55	74 60	80 58		70.0 44.8

EVAPORATION AND WIND

Table 6

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	31	
JULY 1953 BLAKELY MT DAM	EVAP WIND	.28 61	.48 88	.44 113	* *	* *	1.06 234	.39 87	- 49	.24 57	.28 60	* *	* *	.47 142	.20 35	.15 29	.18 57	.09 39	* *	* *	.60 132	- 54	.05 42	.27 50	.20 40	* *	* *	.76 117	.30 46	.29 57	.28 26	.32 38	7.848 1653

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.
- R Daily values and monthly total from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 2-15-54 -- 1025

CORRECTIONS

- July 1953: Saint Francis, Table 3, amount on 20th should be 0.49 and on 21st 0.00.
- August 1953: Gravette, Table 2, temperature departure should be -0.7.

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

Penalty for private
use to avoid pay-
ment of postage
\$300.

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Permit No. 1024

not used

551.05

UNAR

J.58¹³

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

APR 27 1954

ANNUAL SUMMARY 1953
Volume LVIII No. 13

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024



THE LIBRARY OF THE
APR 22 1954
UNIVERSITY OF ILLINOIS

Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The year 1953 brought drought conditions to Arkansas that persisted from the closing days of May until early December. A severe shortage of water was felt in all sections during the late summer and fall months. After the high water of the late spring, the streams of the State fell to low stages which continued throughout the year. By late summer there were many reports of wells, stock ponds, and reservoirs going dry.

The average annual precipitation for the State was 43.45 inches, which is 5.37 inches below or 89% of the normal. The station having the greatest annual total was Athens with 58.67 inches. The station having the least annual precipitation was Henderson 2 W with 22.26 inches. The wettest month was May with a State average of 7.59 inches, and the driest June with a State average of 0.63 inch. The greatest 24-hour precipitation amount reported was 5.73 inches at Mena on July 21st. The heaviest snowfall was in January when the State average was 0.3 inch.

The annual mean temperature was 62.4°, which is 1.0° above the normal. The warmest month was June with a mean temperature of 83.4° and the coolest was December with a mean temperature of 41.1°. The highest temperature recorded during the year was 109° at the Batesville Livestock Experiment Station on July 7th and the lowest 0° at Mount Magazine on December 23rd.

SYNOPSIS BY MONTHS

JANUARY: Warm dry weather during the month was favorable for all outdoor activities. As a result, good progress was made with the preparation of seed beds and winter chores. The mean temperature for the State was 45.2°, which is 4.0° above the normal. The State's monthly average precipitation was 0.78 inch below normal--making this the driest January since 1948.

A small tornado struck the Macedonia area of Lee Township in Cleveland County damaging several houses and destroying two barns and several out-buildings.

The only flood on the streams of the State during the month was on the Ouachita where the river reached a stage of 17.5 feet at Arkadelphia on the 24th, and 26.0 feet at Camden on the 26th. No damage resulted.

FEBRUARY: Dry and relatively warm weather prevailed over Arkansas during the month of February. The average monthly precipitation for the State was 3.08 inches, which is 0.51 inch below the normal--making it the driest February since 1947. The monthly mean temperature for the State was 45.8°, which is 2.1° above the normal. The most important farm activity during the month was plowing and the preparation of seed beds for spring planting. Except for brief intervals the month's weather was nearly ideal for such work. Spring gardening began in the southeast portion during the opening week and was in full swing over the entire State by the close of the month. Fruit buds began to swell early in the month but there was sufficient cool weather to hold bud development in check.

On the 11th during a severe electrical storm, lightning ignited three oil storage tanks near El Dorado. On the 20th another oil storage tank near El Dorado was struck by lightning, and a definite funnel-shaped cloud dipped to the ground briefly in the southeastern part of the town of Hazen. Damage was slight. There was no flooding on the streams in Arkansas during the month.

MARCH: This was the wettest March in Arkansas since 1945, and the sixth wettest on record since statewide records were begun in 1891. The monthly average precipitation for the State was 7.37 inches, which is 2.61 inches above the normal. The monthly mean temperature for the State was 56.2°, which is 3.8° above normal. Wet ground from frequent rains seriously hampered the preparation of fields for the planting of spring crops. Warm moist weather was favorable for the growth of all forms of vegetation. Winter grains and cover crops grew nicely and pastures improved. By the close of the month fall oats were beginning to head. Fruit bud development was arrested by low nighttime temperatures during the first half of the month but peach and plum trees were blooming by mid-March.

On the 3rd a hailstorm with stones reaching 3/4 inch in diameter struck Melbourne. No damage resulted. A hailstorm struck Little Rock on the 12th, damaging airplanes at the Municipal Airport, and damaging a commercial greenhouse. During the early morning of the 14th, two tornadoes struck in West-Central Arkansas. One skipped over a path from Chismville in Logan County to a point 5 miles northeast of the Clarksville Airport. The other moved over a path from Newnata in Stone County to Myron in Izard County. Damage from both storms was estimated at \$98,500. On the same morning another tornado moved from Delaware in Yell County through the Bunker Hill and Mill Creek Communities to Dover in Pope County. The Bunker Hill-Mill Creek area was the hardest hit. Seven persons were injured, two of them seriously. On the same morning a hailstorm occurred in Van Buren County. During the afternoon of the 14th a hailstorm struck Harrisburg causing extensive damage to roofs and neon signs, and a hail and wind storm struck to the south of Wynne damaging automobiles and the screen of a drive-in theater. Another wind and hail storm on the same afternoon struck the Lepanto-Rivervale area of Poinsett County damaging a tenant house. During the evening of the 17th a windstorm damaged power lines at DeWitt and another struck the Noble Lake area of Jefferson County, injuring one person and damaging four houses. During the evening of the 21st a very light hailstorm occurred at Little Rock. During the early afternoon of the 22nd widespread wind, hail, and electrical storms buffeted eastern Arkansas, causing considerable property damage but only one injury. During the late morning and early afternoon of the 31st a windstorm demolished a school building and injured five persons in the Cherry Hill community of Perry County and a wind and hail storm struck Pulaski and Lonoke Counties with principal damage in the vicinity of the town of Lonoke.

Heavy rains on the 13th and 14th and again on the 17th and 18th caused sharp rises on all streams in the State with minor flooding on the White River at Augusta and below, the Ouachita, Saline, Petit Jean, Little Red, and Lower Black Rivers. No flood damage resulted.

APRIL: Rainy and relatively cool weather prevailed during the month. The average monthly precipitation for the State was 7.10 inches, which is 2.16 inches above normal--making this the wettest April since 1945. The monthly mean temperature for the State was 57.7°, which is 3.9° below normal. Wet fields seriously delayed the preparation of seed beds and the planting of spring crops. A small amount of cotton had been planted by the end of the first week but by mid-month only from 10% to 25% of cotton land was ready for planting. Some corn had been planted as the month opened and some fields were up by the close of the month, but in many localities germination and growth had been checked by cold, wet weather. The preparation of fields and the seeding of rice were delayed by wet ground. The month's weather was favorable for the growth of small grains, hay, and pastures.

Lightning during a severe electrical storm at Fort Smith on the 5th set fires which destroyed a church and a commercial building. During the evening of the 9th a hailstorm struck Piggott. Stones ranged from the size of marbles to an inch in diameter and covered the ground to a depth of one inch with some drifts to three feet reported. During the afternoon of the 11th a hailstorm in Bradley County caused extensive damage to crops--principally in the Grand Ridge, Prospect, and Blue Springs areas. Late in the evening of the 14th a hailstorm caused considerable damage to gardens, flowers, and shrubs at Mena. During the early morning of the 15th lightning set fires that destroyed two houses in El Dorado. Small hail accompanied this storm. Early in the morning of the 18th a severe wind and hail storm struck Sebastian County causing extensive damage over a path extending from Fort Smith to Lavaca. The ball park at Fort Smith was destroyed. In addition there was damage to roofs, windows, automobiles, crops, and fruit trees. Stones as large as golf balls, with some the size of baseballs, were reported. A series of severe wind and hail storms during the early morning of the 18th caused widespread damage to property and crops, and caused two deaths and forty-one injuries in Crittenden Cross, Independence, Jackson, Poinsett, and White Counties. Principal damage was due to wind but heavy hail occurred in several localities. The two fatalities were in Poinsett County. During the evening of the 23rd a tornado

destroyed one building and damaged several others at Alma in Crawford County. During the early morning of the 24th a tornado struck the College Hill section of Texarkana damaging houses, automobiles, and trees. On the same morning a wind and hail storm, with stones ranging from 1/2" to 1-1/2" in diameter, struck a small area including the Hope Experiment Station of the University of Arkansas.

Three periods of heavy rains over the Ouachita watershed on the 5th and 6th, the 23rd and 24th, and again on the 29th, caused sharp rises on the stream at Arkadelphia and a slower rise and continued high water at Camden. The White River was above flood stage the opening days of the month due to high water from the previous month. No damage resulted from these floods.

MAY: Below-normal temperatures and frequent general rains prevailed over the State until the 19th, giving way to bright sunshine and above-normal temperatures after that date. The average monthly precipitation for the State was 7.59 inches, which is 2.48 inches above normal. The State's monthly mean temperature was 70.1°, which is 1.0° above the normal. Rains interfered with the preparation of seed beds and the planting of crops until the last ten days of the month. By the close of the month cotton planting was twenty days behind schedule. Much of the crop that was planted came up in uneven stands. By the 19th only from 10-15% of the State's rice acreage had been planted but by the close of the month 80% of the crop was seeded. Very few soybeans had been planted until late in the month. In contrast small grains made good progress and during the last two weeks ripened rapidly.

A fire set by lightning at Earle on the 3rd destroyed a house and furnishings. Several storms occurred on the 10th. Shortly after noon several persons watched two small tornado funnels merge into one southwest of Russellville, where several buildings were damaged and one destroyed. At about the same time a windstorm damaged a house and unroofed several buildings at Vilonia. During the mid-afternoon a wind and hail storm injured five persons and damaged a house at Weiner in Poinsett County. Lightning destroyed one house and damaged another at Carlisle. A windstorm destroyed a barn and a truck at Rector. Later in the afternoon a hail and wind storm destroyed a barn, damaged several buildings, and damaged timber in Izard County. Stones averaging 1/2" in diameter, with some as large as 1", covered 35% of the ground. Fires set by lightning destroyed two farm houses near Dumas. A drive-in theater screen was destroyed during a wind and hail storm at Newport but no hail damage was reported. The storms continued into the 11th. During the early morning, lightning destroyed a house near Foreman and damaged an apartment house in North Little Rock. Also, during the early morning wind damaged a school building at Siloam Springs. Late in the afternoon lightning destroyed a house at Slaty Crossing in Yell County. During the evening a windstorm damaged a house at Monticello. The 12th was also stormy. Lightning damaged a house in the West Fork community of Washington County and another at Mulberry. During the afternoon windstorms damaged one house and a barn in the Shiloh Community of Grant County, a half block area in Rison, and destroyed a garage at Macedonia. During the late afternoon a hail and wind storm struck the Blue Springs, Hopewell, and Centerpoint Communities in northwestern Bradley County where hailstones averaging 1 1/2 inches in diameter covered the ground to a depth of 2 inches. During the morning of the 16th, lightning severely damaged a business building in Little Rock.

General moderate to heavy rains, beginning on the 10th and continuing through the 18th, caused sharp rises on the Ouachita River at Arkadelphia and Camden. The White River was above flood stage at Clarendon for the entire month, at St. Charles from the 5th through the 31st and was above flood stage at Georgetown and Des Arc from the 15th to the 25th. The Little Red River at Judsonia showed a sharp rise on the 14th. Total flood damage was estimated at \$59,000, with the greatest damage along the Ouachita below Rammel Dam.

JUNE: This was the hottest and second driest June in Arkansas since statewide records were begun in 1891. Most crops suffered considerable drought damage. The mean monthly temperature for the State was 83.4°, which is 6.3° above normal. The average monthly precipitation for the State was 0.63 inch, which is 3.48 inches below

normal. Seven stations reported no rain during the month. There was heavy seeding of cotton during the first two weeks and by mid-month most of the crop had been planted. By the end of the third week most early cotton was in bloom. Early corn made good to excellent progress during the first half of the month but was seriously in need of rain by the latter half. The seeding of rice was completed early in the month. During the last half of the month heavy watering was necessary. Soybeans generally made good progress but stands were poor in late planted fields. The harvest of small grains was completed and some very good yields were obtained. The first half of the month was ideal for putting up hay. Pastures generally suffered from the drought after a brief period of rapid growth early in the month.

During the afternoon of the 7th a hailstorm, with stones ranging up to the size of baseballs, struck the Huffman area of Mississippi County. No damage resulted. During the late afternoon and early evening of the 11th a series of severe wind and thunderstorms progressed southwestward from Piggott in extreme northeastern Arkansas along an irregular path to Hot Springs in Garland County and Malvern in Hot Springs County. The duration of the storm at points along its path was approximately one-half hour. Damage was mostly to roofs, windows, signs, and shade trees and was greatest in the vicinity of Piggott. Hail occurred in Eastern Clay County where it caused considerable crop damage. Four persons were injured. During the late afternoon of the 11th, winds accompanying a local thunderstorm destroyed a hangar at the Ozark Municipal Airport but planes stored in the hangar were not damaged. During the same afternoon some very small hail fell at Dyess in Mississippi County but no damage resulted. During the late afternoon of the 23rd, hailstones ranging up to one inch in diameter fell during a thunderstorm at McDougal in Clay County. Very little damage resulted. The only flooding during the month was on the Lower White River, where Clarendon was above flood stage from the beginning of the month until the 5th and at St. Charles until the 6th. This flooding was due to continued high water from the preceding month. Damage was negligible.

JULY: Favorable growing weather prevailed during the month with adequate precipitation in most sections. Monthly precipitation averaged 4.65 inches over the State, which is 0.91 inch above normal. The monthly mean temperature for the State was 80.2° which is 0.3° below normal. Cotton generally made good progress, except that the prospects for some late cotton were not promising. Early rice fared very well. Much early corn was beyond recovering as the month opened, but late corn responded to the rains. Soybeans made good progress. Hay crops and pastures generally showed improvement.

Shortly after noon of the 3rd a fire set by lightning destroyed the Drew Theater in Monticello. During the afternoon of the 6th a windstorm destroyed one house and damaged several houses and other buildings in the McGinty Community of Faulkner County. Lightning during severe electrical storms on the same afternoon set fires that destroyed houses and other buildings at Cash, Mount Ida, and Paragould. Some hail accompanied the thunderstorm at Cash, damaging cotton, rice, and soybeans. During the evening of the 6th a wind, rain, and electrical storm caused considerable damage in the business district of Russellville. During the morning of the 8th a fire set by lightning destroyed a farm house seven miles south of Lonoke. During the evening of the 8th a windstorm damaged buildings at Hector. During the afternoon of the 20th several persons watched a tornado demolish an old log barn in the Jefferson Community of Desha County. No other damage was reported. A windstorm damaged a house and barn in the Saint Paul Community of Howard County during the afternoon of the 21st. On the 25th a man was killed by lightning in a field near Nettleton.

AUGUST: The month saw a return of drought conditions to the State. The average monthly precipitation for the State was 1.59 inches, which is 2.00 inches below normal. The monthly mean temperature for the State was 79.6°, which is 0.4° below normal. Cotton generally fared well except for some daytime wilting and shedding of bolls in the northeast and east-central portions of the State. Some cotton opened and limited picking began during the third week. Late and intermediate corn made good progress during the first two weeks and much of the

crop was made before the close of the month. Rice made good progress and a few fields were combined during the closing week. Soybeans made fair to good progress but were badly in need of water by the closing week. Pastures were generally in good condition at the beginning of the month, but deteriorated rapidly.

A windstorm struck Jonesboro and Bono during the early afternoon of the 4th, causing \$38,000 damage. During the same afternoon, lightning killed 7 head of milk goats at the Compton Community of Newton County and set a fire that destroyed a barn and stored hay in Izard County, 12 miles south of Melbourne. During the evening of the 5th a windstorm destroyed two small planes and damaged a third at the Russellville Airport. Five cows were killed by lightning nine miles south of Hope during the afternoon of the 6th. During the afternoon of the 12th a wind and hail storm struck Clarksville, causing considerable damage. During the early morning of the 15th lightning killed 7 head of cattle and set a fire which damaged a house at Mammoth Spring. On the 16th lightning set a fire which destroyed a barn and hay at Eureka Springs. At noon of the 16th a wind and hail storm struck Fayetteville damaging several houses and barns. Hailstones averaging 1/2 inch in diameter damaged some corn. A short time later, a wind and hail storm struck Ozark. Stones ranged from 1/4 to 1/2 inch. Damage was slight. One person was injured by lightning at Texarkana during the afternoon of the 18th.

SEPTEMBER: Drought conditions persisted during the month. The average monthly precipitation for the State was 0.99 inch, which is 2.33 inches below normal. The monthly mean temperature was 74.7°, which is 0.6° above normal. Cotton bolls opened rapidly and picking made good progress. Fair to good yields of good quality staple were reported. Fair to good progress was made with the rice harvest but it did not get into full swing until after the close of the month. Soybeans held up fairly well in the favored areas but it was too hot and dry for the plants to set pods in most sections. The harvest of early corn began early in the month and continued through the close. Pastures continued to deteriorate. Farmers made every effort to save anything that could be used for hay but even so, a short hay crop was in prospect.

The only destructive storm during the month was a windstorm that struck Arkansas County during the evening of the 18th causing widespread damage by blowing down heavy rice.

OCTOBER: Drought conditions that had persisted since the closing days of May continued through October. The monthly average precipitation was 1.48 inches, which is 1.75 inches below normal. The State's monthly mean temperature was 64.8°, which is 1.9° above the normal. Hot, dry weather caused cotton to open rapidly. As a result, picking continued at a fast pace. The gin turnout was generally good and the lint graded high. The harvest of the rice crop progressed rapidly and was about two-thirds complete by the close of the month. Yields were generally good. The soybean harvest continued throughout the month. Yields were generally below average and in many areas the

beans were of inferior quality. The harvest of corn continued through the month. The hay harvest was generally completed near the middle of the month but farmers continued to save anything that would make hay. Dry ground seriously hampered the seeding of winter grains. Pastures deteriorated rapidly and the condition of cattle worsened during the month. There were no severe storms during the month.

NOVEMBER: Drought conditions continued throughout the month. The average monthly precipitation for the State was 2.16 inches, which is 1.64 inches below normal. The State's monthly mean temperature was 49.5°, which is 1.7° below normal. The picking of cotton was generally near completion by the close of the month. There were some reports of frost damage to rice but the damage was mainly to grade, rather than to yield. Good progress was made in gathering corn and combining soybeans. In most areas the ground remained too dry for planting winter grains or for the proper germination of the seeds until after the rains of the third week. Pastures continued poor and cattle required heavy supplemental feeding. The forest fire situation was critical during the first half of the month but improved during the latter half.

The only destructive storm during the month was a wind and hail storm that caused considerable damage to barns and sheds in the south suburbs of Little Rock during the early evening of the 19th.

DECEMBER: General rains early in the month brought welcome relief from the drought conditions that had persisted over the State from the closing days of the preceding May. The average monthly precipitation for the State was 3.15 inches, which is 1.04 inches below normal. The monthly mean temperature for the State was 41.1°, which is 1.7° below normal. Farm activity during the month was limited to picking remnant cotton, gathering pecans, and the usual late fall and early winter chores. Pastures showed a steady improvement and winter crops had generally advanced sufficiently to furnish considerable pasture. As a result, cattle showed a steady improvement and were generally in fair condition by the close of the month.

During the morning of the 5th a hailstorm in the vicinity of Portland in Ashley County caused considerable damage to remnant cotton. During the early evening of the 5th a tornado that originated near Spencer, Louisiana, crossed the Arkansas-Louisiana line just north of the town of Beekman, Louisiana, and crossed Ashley County, Arkansas, to a point 5 miles northeast of Montrose. The average width of the path was 500 yards and the total length about 55 miles. The storm caused extensive damage to timber for lumber and pulp wood. A total of 4 houses were destroyed and 6 damaged. There were no deaths or injuries. At about the same time, a windstorm struck the southeastern portion of Union County, damaging 11 houses and destroying 3 outbuildings. Later in the same evening a windstorm struck the southeastern portion of Drew County, destroying 7 houses and damaging 4. The storm also destroyed 7 outbuildings and damaged 4.--JFR

TOTAL EVAPORATION AND WIND MOVEMENT

ARKANSAS
1953

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Blakely Mountain Dam	EVAP						-	7.84B	8.69	7.54B	4.66B	2.68B	1.71B	-
	DEP						-	-	-	-	-	-	-	-
	WIND						-	1653	1756	1431	1296B	1692B	2041	-
Hope	EVAP	2.44B	2.21	4.03B	5.01B	5.96B	8.37B	-	8.23B	7.10B	4.99	3.27B	1.75B	58.50
	DEP	.10	-.45	-.35	-.53	-.45	1.27	-	.60	1.13	.31	.60	-.22	-.98
	WIND	1209	815	1100	1315	900	562	-	275B	530	630	746B	1058	-
Mountain Home Corps of Engineers	EVAP				5.43B	6.27	9.72	8.21	7.96	7.97	4.47	-	-	-
	DEP				-	-	-	-	-	-	-	-	-	-
	WIND				2153	1481	1191	969	1039	1134	881	-	-	-
Narrows Dam	EVAP	1.97B	2.04B	3.95	5.57B	6.68B	9.51	7.55B	8.29	7.32	5.31	2.61B	1.64B	62.44
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1241	894	1024	1126	638	565	625	484	469	555	759	995	9375
Nimrod Dam	EVAP	-	-	-	5.24B	5.80B	9.31	6.27B	7.62	7.42	4.48	2.48	1.99B	-
	DEP	-	-	-	-	-.16	2.15	-1.60	.44	1.90	.24	-.02	-	-
	WIND	-	-	-	1127	660	506	339	490	641	760	715	1216	-
Russellville	EVAP	1.46B	1.80	3.41B	4.52B	6.12B	8.69	7.02	7.17	6.79	3.73	1.85	1.24	53.80
	DEP	-.33	-.34	-.45	-.56	.09	1.90	-.81	-.26	1.24	-.33	-.20	-.03	-.08
	WIND	742	664	827	737	537	498	389	452	395	346	387	596	6570
Stuttgart 9 ESE	EVAP	2.12B	1.57B	3.04B	4.44B	5.99B	8.07B	6.64B	6.94	6.00	4.00	2.34B	1.42B	52.57
	DEP	.85	-.19	-.38	-.31	.08	.97	-.78	-.12	.82	.32	.26	.20	1.72
	WIND	2030	1410	1420	1830	1730	1150	-	968B	834	736	1116	1814	-

REFERENCE NOTES

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 Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state.

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 in the June and December issues of Climatological Data.

Data for recorder stations denoted by "C" 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".

- No record.
- + Also later date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to full month.
- E Amount is wholly or partially estimated.
- M Less than a complete month of record available; if average value is entered, less than 10 days of record are missing; see monthly Climatological Data for detailed daily record.
- R Data from recording gage.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

Subscription Price: 15 cents per copy; monthly and annual; \$1.50 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.

W.R.P.C., Kansas City, Mo. -- 4-20-54 -- 1150

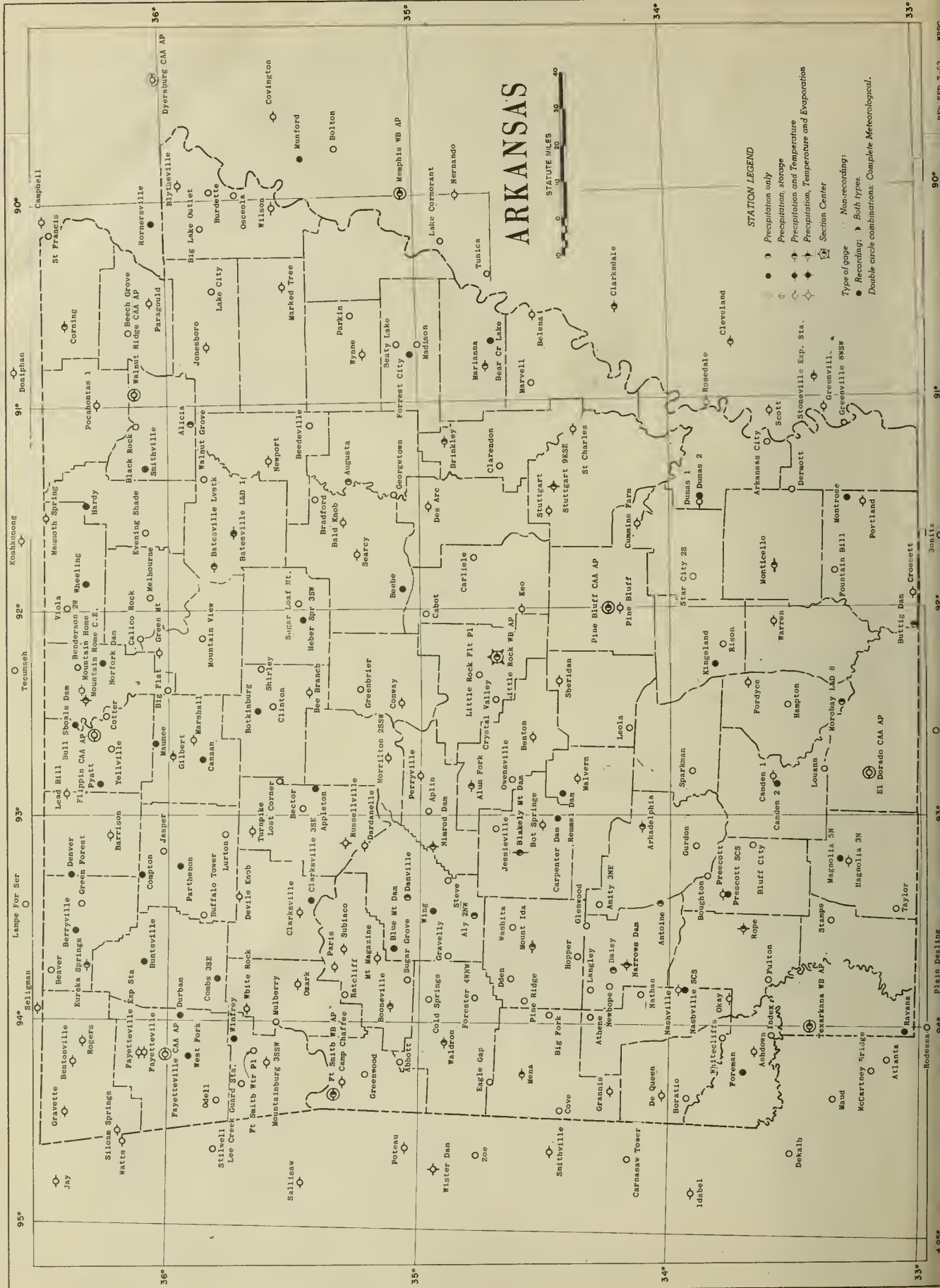
CHANGES IN STATION NAMES

<u>NEW NAME</u>	<u>OLD NAME</u>	<u>DATE</u>
Lamar 2 SW	Clarksville 3 SE	November
Mountainburg 3 SSW	Mountainburg	June
Mountain View 3 E	Mountain View	October
Nashville Peach Substa.	Nashville	August

RELOCATIONS

Aly 2 NW	Equipment moved 1/2 mile N	April 1
Bee Branch	Equipment moved 1500 feet NE	January 7
Bull Shoals Dam	Recording gage moved 1000 feet N	April 1
Des Arc	Equipment moved 420 feet W	November 30
Eureka Springs	Equipment moved 0.6 mile SE	August 28
Forester 4 WNW	Rain gage moved 3.8 miles WNW	January 1
Madison	Equipment moved 0.4 mile SE	March 25
Morrilton 2 SSW	Equipment moved 0.4 mile NE	January 5
Mountainburg 3 SSW	Equipment moved 3 miles SSW	June 16
Mountain Home C. of E.	Recording gage moved 3/4 mile SSW from Mountain Home	May 20
Mountain View 3 E	Equipment moved 1 1/2 miles ESE	October 1
Nashville Peach Substa.	Equipment moved 6 miles NW	August 11
Norfolk Dam	Rain gage moved 1000 feet SE	October 1
Ozark	Equipment moved 150 feet SE	July 21
Siloam Springs	Equipment moved 1200 feet W	April 8
Wynne	Equipment moved 0.5 mile NE	October 29

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
U. 591

Nat. Hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

APR 7 1954

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
APR 1 1954
UNIVERSITY OF ILLINOIS

JANUARY 1954
Volume LIX No. 1

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U. S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Permit No. 1024



NAT. HIST.

Penalty for private
use to avoid pay-
ment of postage
\$300.

ARKANSAS - JANUARY 1954

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

The month of January 1954 brought frequent rains and near normal temperatures to Arkansas.

The average monthly precipitation for the State was 6.08 inches--making this the wettest month over Arkansas since May of 1953, when the State average was 7.59 inches. The precipitation averaged 1.64 inches above the normal. Monthly totals at individual stations ranged from 1.47 inches at Gravette to 10.05 inches at Marianna. The greatest daily precipitation recorded was 3.33 inches at Fordyce on the 15th. The average monthly snowfall was 3.3 inches. The greatest monthly snowfall recorded was 11.0 inches at Aplin. Precipitation of 0.10 inch or more occurred on an average of eight days during the month.

The monthly mean temperature for the State was 41.5°, which is 0.3° above the normal. Monthly mean temperatures at the reporting stations ranged from 34.8° at Mt. Magazine to 49.0° at Magnolia 3 N. The highest temperature during the month was 81° on the 20th at Camden 1, and the lowest -5° at the Fayetteville Airport. Temperatures fell to 32° or lower on an average of 20 days during the month.

Farm activity during the month was generally limited to the usual winter chores. For the most part, fields were too wet for plowing. There was, however, some preparation of seed beds during the latter half of the month, and a little orchard work was accomplished during the last two weeks.

There was still some remnant cotton in the fields as the month opened. Picking was generally completed by the close of the first week.

Surface soil moisture was adequate in most sections at the beginning of the month and frequent rains during the month improved the situation. Subsoil moisture, however, continued inadequate, especially in the northwestern quarter of the State. At the beginning of the month, streams were low, many wells were dry, and the stock water situation was critical in some areas. While this condition was alleviated by the January rains, most areas--and especially the northwestern section--were in need of more moisture as the month closed.

The rains were favorable for the growth of winter grains, but the crops were in need of warm weather by the close of the month. Pastures showed improvement during the month and furnished some grazing in most sections. Cattle continued in fair condition but some supplemental feeding was necessary in most areas.

STORMS

There were no severe storms or floods during the month.--JFR

SUPPLEMENTAL DATA

ARKANSAS
JANUARY 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	NE	20	9.1	28	SW	8	78	83	67	70	3	2	4	1	2	0	12	39	6.3
LITTLE ROCK WB AP	S	12	9.2	31	SW	20	74	79	67	69	6	4	2	1	3	1	17	34	7.1
TEXARKANA WB AP	-	-	-	-	-	-	-	82	70	72	4	3	4	2	2	0	15	-	7.2

COMPARATIVE DATA

JANUARY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	41.6	71	13	5.34	-	1916	44.3	82	-6	9.39	0.5	1941	43.6	76	5	3.43	0.3
1892	34.7	74	-14	2.48	3.0	1917	44.0	82	-4	3.66	3.8	1942	38.1	83	-21	3.20	4.4
1893	38.5	80	-13	1.13	5.5	1918	27.3	80	-23	4.39	17.6	1943	41.8	87	-9	1.00	1.2
1894	43.5	77	-22	3.63	1.5	1919	41.4	75	-3	3.00	0.4	1944	42.2	82	-15	2.50	6.5
1895	36.5	78	-5	5.19	7.0	1920	39.6	82	11	6.49	0.8	1945	40.2	80	7	2.37	1.8
1896	41.4	78	4	4.09	1.0	1921	46.9	85	6	2.07	2.1	1946	41.1	78	5	7.50	1.7
1897	38.9	76	-2	6.78	1.0	1922	39.1	74	4	2.63	1.0	1947	42.5	81	-4	2.33	0.9
1898	45.5	81	10	7.93	T	1923	48.6	80	15	5.78	0.1	1948	33.5	77	-7	3.32	5.0
1899	39.3	75	-9	5.91	2.3	1924	36.1	79	-6	3.19	0.4	1949	42.0	82	-3	10.16	3.1
1900	43.4	78	1	2.69	0.2	1925	40.8	76	-4	2.68	1.3	1950	47.2	87	6	9.63	0.7
1901	45.6	78	7	2.21	T	1926	40.5	77	-17	4.69	2.5	1951	41.3	80	-2	5.43	2.4
1902	38.0	79	2	4.13	1.8	1927	42.6	79	-1	5.41	0.1	1952	47.3	82	10	3.86	T
1903	40.2	80	7	2.60	0.2	1928	42.7	90	-10	2.05	0.2	1953	45.2	77	7	3.66	0.3
1904	38.9	75	-5	3.81	1.5	1929	39.4	79	2	5.08	0.1	1954	41.5	81	-5	6.08	3.3
1905	33.3	73	13	4.58	3.6	1930	33.8	74	-28	9.16	5.0	All Years	41.3			4.46	2.0
1906	43.1	82	-2	5.19	2.0	1931	42.3	76	0	1.14	0.4						
1907	49.2	82	-8	5.80	0.8	1932	46.2	80	11	9.67	T						
1908	41.7	78	6	3.75	1.5	1933	48.8	81	11	3.67	T						
1909	43.8	82	-19	1.79	2.4	1934	44.5	78	2	2.85	0.1						
1910	41.8	78	-7	2.59	4.3	1935	43.6	86	-11	5.79	0.9						
1911	47.6	86	-9	1.02	0.2	1936	37.1	83	-1	1.05	3.5						
1912	34.3	79	-16	3.01	1.9	1937	41.9	80	9	12.61	0.7						
1913	44.0	78	-1	8.45	0.1	1938	42.5	81	4	6.48	T						
1914	46.6	82	7	1.57	1.5	1939	45.5	83	12	6.21	0.5						
1915	39.3	74	-3	4.38	2.3	1940	28.0	74	-14	1.56	5.9						

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max.	Min.	Total	Total				Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
	90° or Above	80° or Above	32° or Below	0° or Below																		
ALUM FORK	56.8M	31.2M	44.0M	3.4	71	2	17	23+	683	0	1	0	6.78	3.20	1.58	11	2.5	T	9+	10	6	3
ARKADELPHIA	57.9	34.3	46.1	2.3	79	20	19	11	580	0	1	17	7.48	2.85	2.25	10	1.4	1	21	7	5	3
ASHDOWN	59.7	35.4	47.6		79	20	18	11+	539	0	0	17	5.57		1.63	10	.0	0	10	7	4	3
BALD KNOB	52.0	29.6	40.8		70	9	6	11	743	0	1	20	7.40		2.06	15	2.5	2	10	7	4	3
BATESVILLE LIVESTOCK	50.3	25.9	38.1		68	21	11	11		0	5	22	5.23		1.75	15		2	11+	8	3	2
BATESVILLE L O 1	51.2	28.3	39.8		69	20	12	23	774	0	1	23	6.02	1.66		4	8	3	22			
BENTON	55.6M	32.3	43.9M	4.3	74	20	15	11	642	0	1	20	7.48		1.41	10	4.5	3	11	9	7	2
BENTONVILLE	48.0	21.9	35.0	-1.6	67	7	-1	22	924	0	6	25	2.37	-.30	.97	20	4.0	4	22	4	2	0
BLYTHEVILLE	50.7	31.8	41.3	1.4	65	8	16	12+	727	0	1	16	7.90	2.47	2.05	10				10	5	4
BOONEVILLE	53.2	28.2	40.7		74	7	4	11	748	0	3	21	7.07		1.73	20	7.0	5	11	8	6	2
BRINKLEY	53.9	33.1	43.5	1.5	73	20	14	11	661	0	1	18	8.89	3.69	2.64	15				8	7	3
CAMDEN 1	57.2	29.5	43.4		81	21	16	12		0	0	22	8.20	3.31	2.40	16						
CAMP CHAFFEE	52.4	26.1	39.3	-1.1	72	7	4	11	791	0	3	25	4.82		1.84	20	5.9	4	11	7	4	2
CLARKSVILLE	51.1	27.5	39.3		70	7	0	11	789	0	4	20	6.99		2.78	20		7	10	8	4	3
CONWAY	52.9	31.5	42.2	.2	72	7	14	11	699	0	3	19	7.07	2.66	2.10	15	5.0	5	11	8	4	3
CORNING	46.8	27.1	37.0	-1.0	67	21	14	11+		0	5	25	6.26	1.98	1.71	20	3.5			10	3	3
CROSSETT	60.6	36.5	48.6	3.7	76	20	19	22	509	0	0	15	6.01	.43	2.37	30	.0	0		8	4	2
CUMMINS FARM	57.1M	33.4	45.3M		76	20	15	11	602	0	0	18	6.80		1.75	11				10	5	4
OARANELLE	52.6	29.6	41.1	-1	72	7	12	11+	731	0	2	21	7.57	4.01	1.29	15	.0	0		9	8	2
OE QUEEN	57.2	33.2	45.2	2.0	80	20	16	11	607	0	0	17	0									

See reference notes following Station Index.

DAILY PRECIPITATION

ARKANSAS
JANUARY 1954

Table 3--Continued

Table with columns: Station, Total, Day of month (1-31). Lists various weather stations like MARSHALL, MARVELL, MELBOURNE, etc., with their respective precipitation totals and daily values.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JANUARY 1954

Table 5 - 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	
STUTTGART 9ESE	MAX	53	59	65	52	61	61	55	65	59	55	32	38	27	38	56	56	41	34	56	65	72	32	32	37	55	63	64	44	50	59	55	51.3
	MIN	26	37	29	28	30	30	30	30	30	36	20	14	14	20	20	31	39	30	25	25	51	30	23	23	27	36	55	31	30	30	43	36
SUBIACO	MAX	64	66	60	65	59	60	68	66	66	40	35	32	26	36	47	49	44	46	67	68	35	35	42	54	65	66	45	43	57	61	52.5	
	MIN	25	37	29	28	32	35	29	44	34	22	12	13	19	22	32	35	27	26	40	31	21	13	17	26	40	32	20	23	34	38	34	28.1
TEXARKANA WB AP	MAX	62	72	60	67	65	67	72	72	65	44	47	33	36	54	61	53	43	57	67	80	37	29	36	56	67	68	55	60	53	63	60	56.8
	MIN	32	45	34	36	36	40	42	48	44	24	20	27	26	33	50	43	36	36	56	37	25	19	27	36	56	37	30	33	48	45	38	36.7
TURNPIKE	MAX	53	58	51	52	53	55	62	57	52	28	33	25	23	39	50	47	45	36	51	59	35	33	32	36	52	52	47	41	52	49	52	45.5
	MIN	35	39	29	31	32	32	38	44	28	15	11	8	11	18	35	34	14	15	31	35	11	9	18	20	36	39	16	27	33	34	35	26.2
WALORON	MAX	62	67	63	67	62	62	71	68	65	44	42	35	29	41	53	51	40	49	66	68	33	35	43	57	65	65	44	49	60	60	62	54.1
	MIN	19	45	23	25	24	23	23	40	44	24	-	3	16	26	31	36	31	30	44	33	20	14	19	31	47	36	20	22	42	42	29	28.3
WALNUT RIDGE CAA AP	MAX	58	60	50	55	56	48	59	67	61	32	38	25	31	36	41	39	30	38	63	67	29	38	32	40	60	61	44	42	56	52	54	47.2
	MIN	31	40	29	23	32	30	27	41	32	24	16	15	18	30	34	29	19	21	37	29	24	24	22	31	40	33	24	26	32	36	31	28.4
WARREN	MAX	62	68	63	68	60	57	69	71	68	55	45	40	42	48	66	58	42	52	64	77	68	33	40	58	67	68	67	58	57	60	61	58.5
	MIN	28	39	31	25	34	35	30	42	47	23	17	20	17	31	42	42	30	34	42	30	34	33	40	58	67	68	67	28	42	48	35	33.7
WHITE ROCK	MAX	54	59	53	62	55	58	63	58	59	34	30	22	39	53	47	34	37	56	59	25	34	35	45	55	35	50	44	54	53	55	47.2	
	MIN	36	40	31	36	35	36	44	44	29	24	10	14	19	38	28	23	22	36	24	12	9	21	25	34	32	16	21	37	35	35	35	28.2
WILSON	MAX	59	58	58	59	53	47	58	69	64	39	37	29	33	50	43	40	35	42	65	66	60	33	34	47	62	62	62	41	59	53	54	50.8
	MIN	35	34	30	26	32	31	32	33	30	25	18	16	15	35	30	30	26	22	39	49	28	25	22	32	36	56	27	29	36	32	30	30.4
WYNNE	MAX	59	60		55	59	48	59	69	61	42	36	31	32	47		43		63	66	58	31	31	46	62	61	61	44	50	50	55	51.1	
	MIN	33	42	25	29	26	30	29	69	62	24	14	14	17	30	29	25	20	42	58	27	24	19	31	46	39	27	26	35	36	32	30.1	

EVAPORATION AND WIND

Table 6

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	31			
BLAKELY MTN OAM	EVAP	-	-	-	-	.08	.09	.09	*	*	*	*	*	*	*	.12	*	*	.57	.02	*	*	*	*	*	*	.04	*	*	*	.12	-	-	1.728	
	WIND	*	*	*	256	70	54	29	38	*	*	356	79	67	46	17	*	*	199	38	87	167	112	*	*	161	6	177	33	38	-	-	21708		
HOPE	EVAP	.06	.06	*	.12	.11	.10	.11	.10	.14	-	-	-	-	-	-	-	9	31	*	80	39	48	98	22	28	*	54	7	19	21	16	113	37	1162
	WIND	21	43	*	74	43	30	9	47	66	52	30	70	*	55	9	31	*	80	39	48	98	22	28	*	54	7	19	21	16	113	37	1162		
NARROWS DAM	EVAP	-	-	.09	*	.19	.07	.10	.07	.10	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	1.888	
	WIND	14	34	41	26	18	21	22	16	71	47	38	30	23	32	35	32	25	46	38	72	69	38	27	60	36	88	55	22	25	24	36	1161		
NIMROO OAM	EVAP	-	-	.13	*	.20	.08	*	.19	.04	.03	-	-	-	-	-	-	-	.01	.01	*	*	*	*	*	.05	*	*	.07	.06	.18	-	-	1079	
	WIND	53	82	9	17	88	34	17	53	40	16	59	37	3	3	1	28	11	17	17	52	87	49	26	24	27	39	118	29	2	6	35	1079		
RUSSELLVILLE	EVAP	.07	.04	.06	.04	.07	.06	.05	.01	-	-	-	-	-	-	-	-	-	.09	.05	*	*	*	*	*	.05	.00	.04	*	.04	.08	.10	-	-	472
	WIND	13	31	11	11	33	11	5	24	10	13	14	3	1	*	3	15	33	29	5	26	21	10	15	20	8	10	9	45	16	20	7	472		
STUTTGART 9 ESE	EVAP	-	-	*	.08	.10	*	.11	.11	-	-	-	-	-	-	-	-	.11	*	.09	-	-	-	-	-	-	*	.32	*	*	*	.34	-	-	1843
	WIND	26	72	53	13	65	42	29	56	132	60	105	37	42	16	66	47	71	38	91	138	67	12	33	83	94	102	102	32	30	46	43	1843		

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation times.

Snow on ground in Table 7 is at observation times for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Ø Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Tables 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Traces, an amount too small to measure.

V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondences regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

W.R.P.C., Kansas City, Mo., -- 3-17-54 -- 1005

Table 7

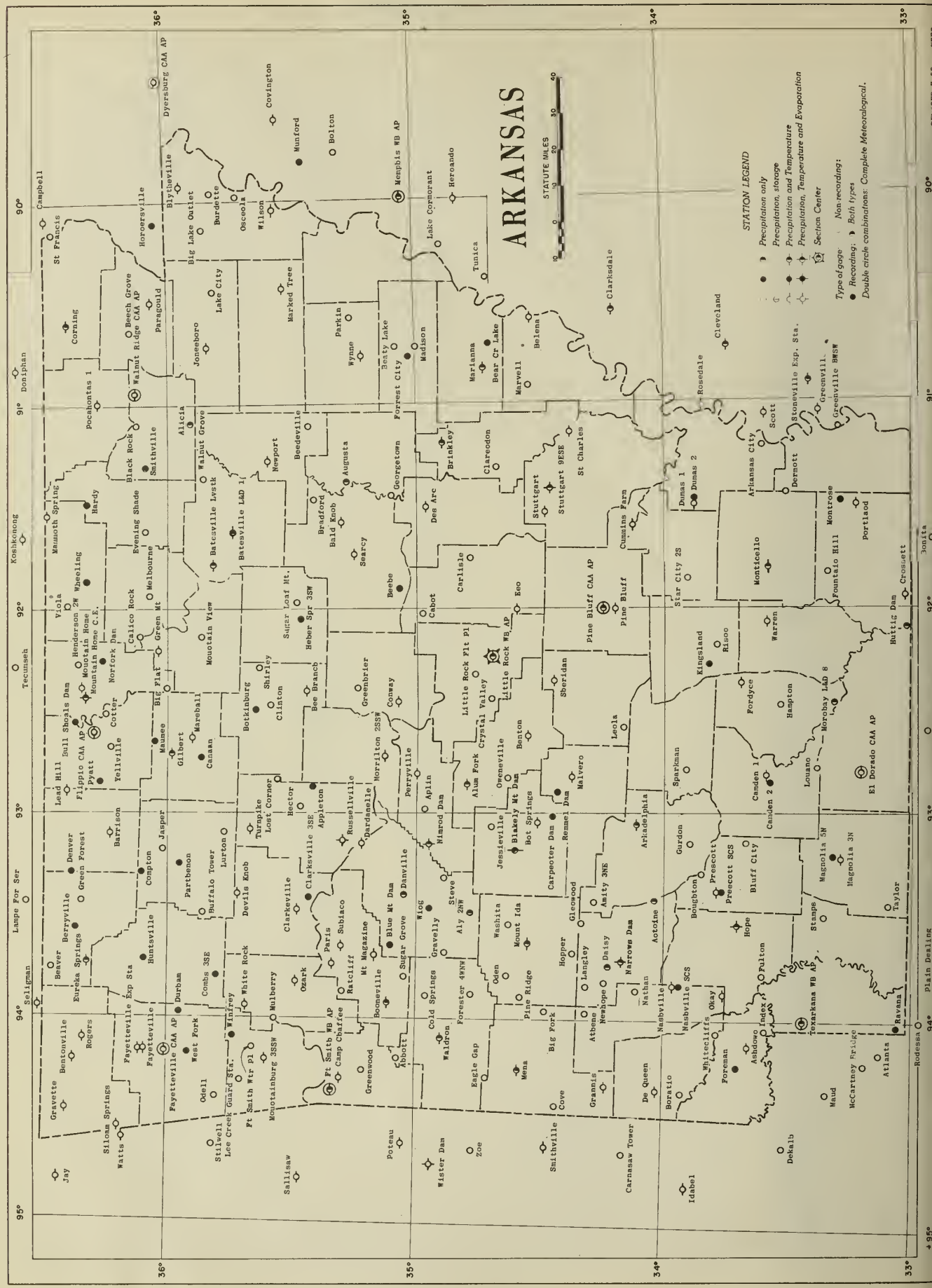
SNOWFALL AND SNOW ON GROUND

ARKANSAS
JANUARY 1954

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						
BLYTHEVILLE	SNOWFALL SN DN GND										0.5	-	-																									
BRINKLEY	SNOWFALL SN DN GND										-	-	-										-	-	-													
CALICO ROCK	SNOWFALL SN DN GND											1.1	-																									
CDRNING	SNOWFALL SN DN GND										2.0	-	-																									
DANVILLE	SNOWFALL SN DN GND										-	-	-																									
DE QUEEN	SNOWFALL SN DN GND										-	-	-																									
OMAS 1	SNOWFALL SN DN GND											2.0	-																									
EL DDRADD CAA AP	SNOWFALL SN DN GND										T	-	-																									
EUREKA SPRINGS	SNOWFALL SN DN GND										1.5	-	-											1.0	3.0	-	-											
FAYETTEVILLE EXP STA	SNOWFALL SN ON GND										3.6			T	T								T	1.0	2.2	-	-					T	T	T	T			
FDRT SMITH WB AP	SNOWFALL SN ON GND WTR EQUIV										3.5			T	T								T	2.8	T	3	2	1										
GILBERT	SNOWFALL SN DN GND											0.4	0.3	0.2	0.2																							
GRAVETTE	SNOWFALL SN DN GND																																					
HOT SPRINGS	SNOWFALL SN DN GND										0.5	1.8	-	-																								
JDNESBDRO	SNOWFALL SN DN GND											0.8	-	T	T	T																						
LITTLE ROCK WB AP	SNOWFALL SN ON GND WTR EQUIV										3.0	T		T	T									0.8	0.2	1	T	T										
MARIANNA	SNOWFALL SN DN GND											2.3	-																									
MARKED TREE	SNOWFALL SN ON GND											3.0																										
MENA	SNOWFALL SN DN GND											2	1	1	T	T																						
MOUNTAIN HOME	SNOWFALL SN DN GND										1.5	-	-																									
NEWPDRT	SNOWFALL SN ON GND											1.0	-	-																								
DZARK	SNOWFALL SN ON GND											4.5	-	-	-																							
PINE BLUFF CAA AP	SNOWFALL SN DN GND											1.4	0.6		T	T																						
PDCAHNTAS 1	SNOWFALL SN ON GND											2.5		T	T	T																						
PORTLAND	SNOWFALL SN ON GND													T																								
PRESCOTT	SNOWFALL SN DN GND											0.5	-																									
RDGERS	SNOWFALL SN DN GND																																					
SEARCY	SNOWFALL SN ON GND											*	3.5	-	-	T																						
SHERIDAN	SNOWFALL SN DN GND																																					
TEXARKANA WB AP	SNOWFALL SN ON GND											0.2			T																							
WALDRDN	SNOWFALL SN DN GND											4.0		T	T																							

See reference notes following Station Index.

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
1.59^v

~~nat. Hist.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
KANSAS CITY 6, MO.
KANSAS CITY, MO. 64108
KANSAS CITY, MO. 64108

FEBRUARY 1954

Volume LIX No. 2

THE LIBRARY OF THE

APR 28 1954

UNIVERSITY OF ILLINOIS



Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

1954

ARKANSAS - FEBRUARY 1954

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

This was the warmest February in Arkansas since 1938, and the fourth warmest since state-wide records were begun in 1891. The monthly mean temperature for the State was 50.7°, which is 7.0° above normal. Monthly mean temperatures at individual stations ranged from 43.3° at Mount Magazine to 55.3° at Crossett. The highest temperature reported was 86° at Camden on the 10th and the lowest 12° at Gilbert on the 8th. There was an average of 10 days during the month on which temperatures fell to freezing or lower.

In addition to being unseasonably warm, this was the driest February over Arkansas since 1947. The average monthly precipitation was 2.24 inches which is 1.35 inches below the normal. Monthly totals at the reporting stations ranged from 0.55 inch at the Fort Smith Airport to 5.20 inches at Des Arc. The only measurable snowfall reported during the month was 0.4 inch at Fayetteville on the 27th. Several stations reported flurries too light to measure. There was an average of 2 days during the month with 0.10 inch or more of precipitation.

The principal agricultural activity during the month was plowing and the preparation of seed beds. This work progressed rapidly in all sections under almost ideal weather conditions. Early gardens were planted in most sections and there was considerable planting of truck crops.

The month's weather was favorable for the growth of small grains and cover crops. Grasses greened. Pastures showed a steady improvement and were furnishing some grazing. As a result, livestock showed an improvement during the latter half of the month.

The unseasonably warm weather of the month resulted in the rapid growth of vegetation. By the close, plums were in bloom and there were some reports of peaches blooming in the southern portion.

Considerable progress was made in hauling fertilizer, top dressing small grains with nitrogen, and applying dormant sprays to fruit trees. The weather was also favorable for all late winter and early spring chores.

The streams in Arkansas continued at low stages during the month.

STORMS

During the evening of the 15th tornadoes occurred at Clarksville and in the Kellum Community of Sevier County, and a windstorm occurred in Southwestern Conway County. Damage was extensive in Clarksville where the gymnasium of the College of the Ozarks was destroyed, 8 houses were destroyed, and 160 damaged, 60 other buildings destroyed and 172 damaged. Wind caused considerable damage to houses, barns, and outbuildings over a wide area in Southwestern Conway County. A house and a barn were destroyed in Kellum Community.

Early in the morning of the 16th a tornado caused extensive damage in the vicinity of Chelford in Mississippi County and one person was severely burned by lightning in Little Rock.

During the afternoon of the 19th tornadoes caused considerable damage at the Sulphur Springs Community in Jefferson County and a lesser amount at Greenwood in Sebastian County. Both funnel shaped clouds were observed by several persons. On the same afternoon, a windstorm damaged a house and destroyed a tool shed 5 miles south of Berryville in Carroll County.

During the late afternoon of the 27th a tornado and hail storm caused considerable damage in Phillips County to the southwest of West Helena. Hail stones ranging from 1/2" to 1-1/2" in diameter were reported.--JFR

SUPPLEMENTAL DATA

ARKANSAS
FEBRUARY 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	W	22	9.9	30	SW	14	65	77	43	45	7	0	0	1	0	0	8	72	3.6
LITTLE ROCK WB AP	SW	14	11.1	37	NW	27	61	69	41	44	2	1	1	0	2	0	6	68	4.2
TEXARKANA WB AP	-	-	-	-	-	-	-	73	41	44	0	0	1	1	1	0	3	-	3.3

COMPARATIVE DATA

Table 1 FEBRUARY

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	46.5	80	6	2.92	-	1916	43.4	82	6	1.78	1.3	1941	40.8	72	7	2.92	3.4
1892	49.0	78	18	3.47	T	1917	43.4	89	-4	1.93	1.1	1942	41.2	81	-2	2.97	1.4
1893	42.4	74	2	4.05	0.8	1918	46.9	83	-4	1.17	0.4	1943	47.5	83	7	1.00	0.4
1894	40.5	75	0	6.32	2.5	1919	44.1	80	-10	3.34	2.5	1944	48.2	87	4	7.34	2.5
1895	33.5	78	-17	0.71	2.0	1920	45.0	79	-2	1.26	1.0	1945	44.1	88	12	7.86	1.0
1896	45.2	79	11	3.30	0.5	1921	48.3	85	-3	3.59	9.8	1946	47.6	78	11	5.05	2.6
1897	46.6	89	7	2.59	0.7	1922	47.8	84	10	4.89	1.3	1947	37.2	80	1	0.78	1.8
1898	45.8	82	7	2.08	T	1923	41.9	80	5	4.66	1.9	1948	41.5	82	8	6.08	1.8
1899	31.8	75	-25	2.18	2.7	1924	42.9	82	-7	2.26	0.4	1949	46.0	83	-3	3.98	T
1900	39.7	74	-5	5.06	1.2	1925	49.3	83	12	3.37	0.5	1950	46.4	85	12	6.22	0.2
1901	40.8	79	10	2.18	1.6	1926	48.5	88	10	2.02	0.3	1951	44.3	82	-24	5.32	2.5
1902	35.0	72	-2	2.60	3.2	1927	52.1	90	9	2.62	1.5	1952	48.4	84	2	3.63	2.9
1903	41.0	79	-12	7.63	2.7	1928	45.0	79	10	2.23	0.6	1953	45.8	79	9	3.08	T
1904	44.9	86	10	2.47	0.8	1929	35.4	76	-20	4.01	8.8	1954	50.7	86	12	2.24	T
1905	32.3	82	-29	2.55	7.1	1930	52.2	86	16	3.92	0.0	All Years	43.9			3.59	1.7
1906	41.8	75	-7	2.21	1.6	1931	48.2	75	14	4.77	T						
1907	44.9	83	4	2.77	0.5	1932	52.0	86	9	4.72	T						
1908	44.2	78	0	5.26	0.4	1933	41.5	82	-13	3.53	2.4						
1909	47.3	82	5	5.41	0.9	1934	41.5	82	3	2.00	0.5						
1910	39.0	75	-13	3.66	5.9	1935	45.8	87	8	2.44	T						
1911	49.8	87	7	4.31	0.3	1936	36.5	89	-15	1.70	2.4						
1912	37.9	78	-7	2.80	4.5	1937	44.2	84	12	2.11	0.2						
1913	41.0	82	5	3.74	1.8	1938	50.9	87	8	6.08	0.1						
1914	40.4	79	-2	4.23	0.9	1939	43.6	76	4	8.56	3.2						
1915	45.9	76	11	4.47	1.3	1940	41.9	88	10	3.31	3.2						

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										98° or Above	33° or below	32° or below	31° or below					Total	Max. Depth on Ground	Date	18° or More	50° or More	1.00° or More		
																								Max.	Min.
ALUM FORK	66.6	37.4M	52.0M	7.2	81	9+	17	8	359	0	0	9	0	2.49	-2.62	1.25	19	T	0			2	2	2	
ARKADELPHIA	69.2	38.8	54.0	8.1	84	9	21	8	304	0	0	9	0	2.26	-1.56	1.22	16	0.0	0			2	2	2	
ASHOOWN	69.3M	36.7M	53.0M		84	9+	19	8	335	0	0	0	0	1.79		1.30	16	0.0	0			2	1	1	
RALO KNOB	65.4	36.7	51.1		80	9	21	8	385	0	0	9	0	3.14		1.71	19	0.0	0			2	2	2	
RATESVILLE LIVESTOCK	63.1	33.1	48.1		79	10	18	8+				0	13	2.27		1.14	20	0.0	0			2	2	2	
BATESVILLE L O 1	64.0	32.8	48.4		78	9	16	8	461	0	0	17	0	2.53	-0.93	1.37	16	0.0	0			2	2	2	
BENTON	66.3	35.9	51.1		80	81	9	16	8	387	0	0	14	0	2.99		1.97	16	0.0	0			2	2	1
BENTONVILLE	61.3	29.8	45.6		5.8	80	10	14	12	539	0	0	20	0	1.01	-1.26	0.95	20	T	0		1	1	0	
RLYTHEVILLE	62.7M	38.5M	50.6M		7.2	78	27			413	0	1	0	3.60	0.34	2.03	16	0	0			3	2	2	
ROONEVILLE	66.5	35.7	51.1		85	10	19	8	386	0	0	13	0	1.62		1.25	16	0.0	0			2	1	1	
BRINKLEY	65.2	40.0	52.6		8.4	80	27	22	8	344	0	0	4	0	4.24	-0.04	2.60	16	0.0	0		3	3	2	
CAMDEN 1	69.4	34.7	52.1		4.8	86	10	16	9		0	0	14	0	0.75	-3.23	0.67	20	0.0	0		1	1	0	
CAMP CHAFFEE	67.5	33.3	50.4		79	10	18	8	401	0	0	15	0	0.81		0.80	20	0.0	0			1	1	0	
CLARKSVILLE	65.4	35.0	50.2		78	10	18	8	407	0	0	15	0	2.77		1.48	16	0.0	0			2	2	2	
CONWAY	66.2	38.2	52.2		7.5	82	9	21	8	351	0	0	8	0	2.68	-1.11	1.39	16	0.0	0		2	2	2	
CORNING	61.4	35.6	48.5		8.3	74	16+	22	8		0	0	8	0	3.27	-0.16	1.79	16	0.0	0		2	2	2	
CROSSETT	71.7	38.8	55.3		7.7	84	9	16	8	287	0	0	11	0	1.86	-1.89	1.40	20	0.0	0		3	1	1	
CUMMINS FARM	68.0	39.1	53.6		8.0	82	27	21	8	321	0	0	7	0	1.51		1.33	20	0.0	0		2	1	1	
DARONFLE	66.6	37.7	52.2		7.3	82	9+	19	8	355	0	0	8	0	1.81	-1.35	0.90	20	0.0	0		2	2	0	
DE QUEEN	68.3	34.7	51.5		3.6	82	9	18	8	374	0	0	15	0	1.47	-2.82	0.74	20	0.0	0		2	2	0	

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

ARKANSAS
FEBRUARY 1954

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			
MARSHALL	2.04																1.04				1.00														
MARVELL	2.49																1.42				1.07														
MELBOURNE																																			
MENA	2.99																																		
MONTICELLO	2.16																T	T	2.08			.90										T			
MORRIS L D B	2.23																																		
MORRILTON	2.18																1.14				1.04														
MOUNT IDA	1.95											T					1.10				.85			T											
MOUNT MAGAZINE	2.22																1.12				1.10														
MOUNTAIN HOME	2.64																1.73				.83					.08									
MOUNTAIN HOME CE	2.66																1.65				.85				.07								.09		
MOUNTAIN VIEW 3 E	2.04																1.10				.94														
MOUNTAINBURG 3 SSW	.86										T						T																		
MULBERRY	1.24																.17				.81				.05				T		T				
NARROWS DAM	.90																.35				.02				.53										
NASHVILLE PEACH SUBST	.96																			T															
NATHAN	.96																			T															
NEWHOPE	1.10																																		
NEWPORT	3.09																				.85				.25										
NIMROD DAM	2.45																1.50				1.59	T			.06										
																	1.32				1.07														
ODELL	1.11																																		
ODEN	3.11																				.06														
OKAY	2.06																																		
OSCEOLA	3.35																				1.86		.04		.86									.11	
OWENSVILLE	2.49																				1.22														
OZARK	1.00																																		
PARAGOULD	3.03											T									.06														
PARIS	1.85																																		
PARK IN	2.97																																		
PERRYVILLE	2.41																																	.33	
PINE BLUFF	3.09																																		
PINE BLUFF CAA AP	1.80																																		
PINE RIDGE	2.66																																		
POCAHONTAS 1	2.78																																		
PORTLAND	1.90																																		
PRESCOTT	2.60																																		
RATCLIFF	3.61																																		
RISON	1.59																																		
ROGERS	.96																																		
RUSSELLVILLE	2.01							T													T													.11	
SAINT CHARLES	1.86																																		
SAINT FRANCIS	2.46																																		
SEARCY	2.92																																		
SHERIDAN	3.93																																		.05
SHIRLEY	2.41																																		
SILOAM SPRINGS	.86																																		
SPARKMAN	3.60																																	.06	
STAMPS	.86																																		
STAR CITY 2 S	1.10																																		
STEVE																																			
STUTTGART	3.64																																		
STUTTGART 9 ESE	2.78																																		
SUBIACO	1.81																																		
SUGAR GROVE	1.79																																		
SUGAR LOAF MTN																																			
TAYLOR	1.73																																		
TEXARKANA WB AP	1.92																																		
TURNPIKE	4.25																																		
VIOLA	2.42																																		
WALDRON	1.81																																		
WALNUT GROVE	2.86																																		
WALNUT RIDGE CAA AP	3.44																																		
WARREN	1.76																																		
WASHITA																																			
WHITE ROCK	1.32																																		.07
WHITE CLIFFS	1.15																																		
WILSON	3.48																																		
WYNE	2.95																																		.53
YELLEVILLE	3.21																																		

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1954

Table 5

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows list various Arkansas stations and their daily temperature ranges for February 1954.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1954

Table 5-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			
STUTT GART 9 ESE	MAX	56	64	65	59	67	62	54	34	55	75	74	54	46	59	74	76	67	58	64	64	57	62	67	62	64	74	62	75						62.5
	MIN	34	36	37	32	33	33	30	23	26	38	37	29	29	34		60	38	39	39	41	36	43	42	34	42	34	35	36						
SUBIACO	MAX	69	65	65	69	66	63	47	65	79	82	75	53	64	75	74	72	63	67	61	61	68	71	69	71	73	68	70	53						66.9
	MIN	30	36	40	35	36	38	23	24	42	40	41	25	25	52	62	47	30	37	46	39	36	36	46	37	40	33	42	29						
TEXARKANA WB AP	MAX	66	67	70	72	67	61	50	63	84	79	69	53	65	77	74	67	64	69	64	58	74	74	65	71	76	75	75	55						68.0
	MIN	38	42	45	37	40	37	28	25	41	51	44	32	36	58	62	47	39	44	46	38	39	46	46	39	52	43	39	32						
TURNPIKE	MAX	59	57	52	57	58	52	28	54	71	70	61	37	52	62	58	58	53	53	48	48	58	58	51	52	51	52	59	40						53.9
	MIN	38	37	40	35	36	28	17	22	47	46	32	17	29	42	38	39	32	35	43	31	34	34	38	36	33	39	31	25						
WALORON	MAX	70	69	62	65	65	60	43	67	82	83	75	53	58	71	73	70	63	68	63	60	72	72	70	72	74	71	70	50						66.8
	MIN	27	29	33	27	27	33	19	17	30	35	42	25	30	56	63	45	27	32	52	40	29	32	47	27	39	31	42	32						
WALNUT RIDGE CAA AP	MAX	67	66	52	66	62	44	36	61	76	72	54	42	60	71	75	63	57	59	64	55	67	64	61	62	72	56	75	48						61.0
	MIN	34	35	35	34	33	30	26	23	35	35	29	24	29	54	57	39	33	35	45	43	37	35	39	32	40	34	39	32						
WARREN	MAX	64	69	68	70	67	62	59	57	82	78	67	57	65	77	78	73	64	68	67	58	73	73	65	67	79	69	82	60						68.5
	MIN	45	43	45	32	37	39	27	20	40	47	39	31	30	52	63	42	36	36	53	40	38	40	43	45	50	39	53	33						
WHITE ROCK	MAX	64	65	55	60	62	57	36	63	74	76	65	42	57	68	63	57	57	60	52	49	67	61	66	67	67	57	62	44						59.8
	MIN	40	40	41	39	40	30	20	27	49	55	33	22	29	47	38	37	36	38	35	30	35	42	36	36	51	30	31	26						
WILSON	MAX	63	63	58	63	60	55	46	54	69	71	69	45	63	73	74	72	55	56	65	67	66	66	63	59	73	64	77	58						63.1
	MIN	36	35	42	31	32	33	29	22	38	38	42	24	34	47	62	49	36	36	45	45	39	37	46	36	45	38	48	37						
WYNNE	MAX	63	65	58	64	62	47	39	54	75	74	67	55	69	72	74	72	58	60	64	56	67	65	61	60	73	70	77	57						63.5
	MIN	36	31	38	31	29	30	26	20	39	35	43	26	34	45	62	50	33	37	49	44	39	33	49	30	48	35	47	37						

EVAPORATION AND WIND

Table 6

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	31			
BLAKELY MTN DAM	EVAP	-	.08	.12	.13	.13	*	*	*	.35	.12	.16	.27	*	*	.14	.12	.12	1.09	.15	.05	*	*	.32	.20	.13	.15	-	-						3.308
	WIND	-	.65	.59	.61	.78	*	*	2.16	.43	.30	.77	1.27	*	*	2.87	1.25	.84	.38	.80	1.13	*	*	.188	.83	.54	.92	-	-						
HOPE	EVAP	.10	.08	.15	.14	.15	.12	*	.25	.05	.14	.23	.07	.10	*	.13	-	-	.13	.14	-	-	.22	.19	.16	.24	.19	-						3.798	
	WIND	.26	.31	.43	.47	.44	.28	*	1.12	.63	.31	.55	.84	.27	*	1.02	.85	.59	.19	.31	.27	*	1.75	.26	.73	.41	.80	.93	-						145.48
NARROWS DAM	EVAP	.11	.06	.13	.12	.11	.14	.09	.09	.09	.11	.18	.19	.09	.05	.04	.07	.12	.11	.13	.07	.12	.11	.16	.20	.13	.15	.15	.20						3.32
	WIND	.23	.15	.25	.28	.35	.31	.44	.23	.22	.16	.54	.53	.30	.27	.44	.77	.63	.38	.40	.69	.44	.32	.50	.51	.22	.42	.72	1.02						117.2
NIMROD DAM	EVAP	.14	.10	.15	.12	.12	.12	.08	*	.14	.14	.12	.14	*	.14	.07	.23	.08	.10	.12	.03	.21	.10	.12	.20	.18	.26	.19	.20						3.54
	WIND	.24	.17	.62	.34	.59	.21	.26	3	.59	.24	.30	.29	.19	.44	.58	.67	.25	.57	.25	.78	.35	.90	.34	.61	.44	.93	.43	1.16						127.7
RUSSELLVILLE	EVAP	.06	.05	.11	.11	.08	.05	.06	.02	.10	.09	.11	.12	.04	.00	.02	.09	.17	.05	.13	.14	*	.14	.13	.06	.18	.02	.13	.24						2.50
	WIND	.12	.18	.26	.20	.17	.17	.12	.15	.15	.17	.33	.30	.24	.23	.16	.48	.13	.20	.49	.56	.29	.20	.34	.11	.38	.35	.48	.62						75.8
STUTT GART 9 ESE	EVAP	.08	.09	.15	.02	.08	.10	*	*	.15	.07	.14	*	*	.23	.18	.04	.14	.04	.11	.08	.11	.11	.00	.15	.12	.13	.16	.14						2.62
	WIND	.18	.34	.38	.47	.36	.34	.36	.49	.81	.30	.56	1.21	.37	1.10	1.25	.63	1.23	.69	.46	1.79	1.34	.53	.60	.41	.50	.90	1.28	.84						197.2

See reference notes following Station Index.

STATION INDEX

ARLANSAS FEBRUARY 1954

Table with columns for Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Observer, Refer to tables, and corresponding data for a second set of stations.

1. DRAINAGE CODE: 1. ARKANSAS 2. MISSISSIPPI 3. QUACHTA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the full month.

R Daily values and monthly total from recording gage.

T Trace, an amount too small to measure.

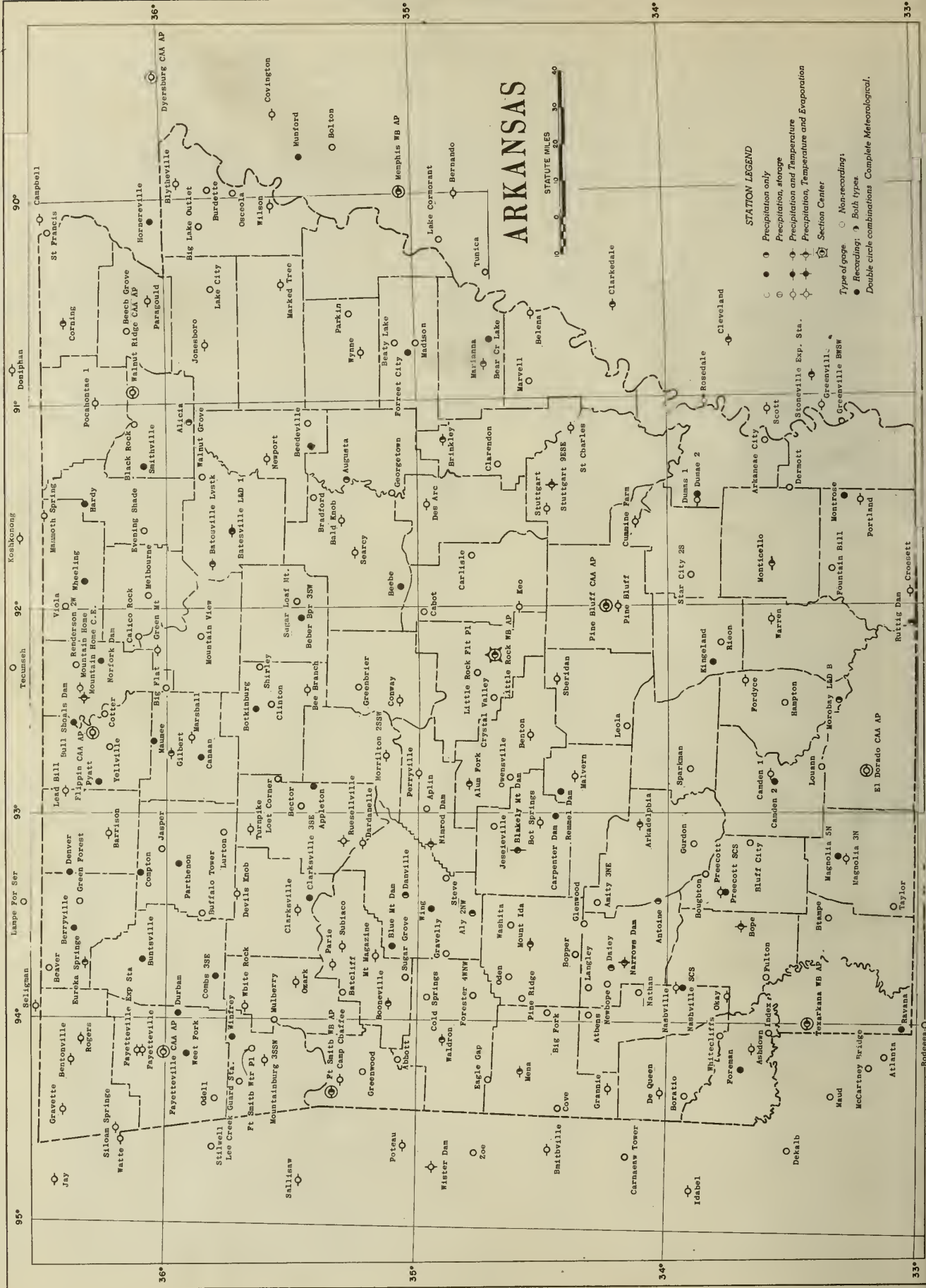
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 4-23-54 -- 1005

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



551.05
UNAR
1.59³

nat. hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

MARCH 1954
Volume LIX No. 3

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Dept. of Commerce
Weather Bureau
Kansas City 6, Mo.
U.S. Post Office
of Foreign Commerce
Permit No. 1029



THE LIBRARY OF THE
MAY 19 1954
UNIVERSITY OF ILLINOIS

Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

**MIL
HIST.**

ARKANSAS - MARCH 1954

Walter C. Hickmon, Section Director - Little Rock, Arkansas

WEATHER SUMMARY

The weather over Arkansas continued dry through March as precipitation averaged 2.06 inches, which is 43% of the normal. It was the fifth driest March of record, and the driest since 1925. All stations except Cotter reported below normal precipitation. Total amounts for the month ranged from 3.93 inches at Fulton to 0.44 inch at Waldron. Streams continued at extremely low levels.

Temperature readings fluctuated greatly during the month, and ranged from a high of 90° at Camden 1 and De Queen 2'NE on the 11th, to a low of 10° at Bentonville and Gravette on the 4th. The average temperature for the month, 50.8°, was 1.6° below normal.

The first few days of the month were cold with light rains and snows. Temperatures averaged about 8° below normal, and practically all stations reported their lowest readings for the month on the 3rd and 4th with minimum temperatures ranging from 10° to 25°. The freeze damaged the peach crop. The rain and snow during this period was light, with amounts generally less than 0.50 inch. Measurable snowfall was confined to the northwestern corner of the State, where amounts ranged up to 2.5 inches at Eureka Springs and 3.0 inches at Beaver. Farming operations, which were advanced beyond the average for the season because of the warm and dry weather in February, were slowed by the cold weather.

After the 5th temperatures warmed rapidly, and by the 11th near record high temperatures were registered in many areas. Following a cold front which moved across the State on the 12th, temperatures dropped sharply to near record lows. The cold air moved in with high winds and dust storms. Humidities were low. Top soils dried rapidly and rain was needed throughout the State. There were extensive forest fires.

On the 18th and 19th, rains occurred over most of the State. While amounts were light in northern sections, some moderate to heavy amounts were received in southern and central areas. The greatest daily amount reported anywhere in the State during the month was 3.25 inches on the 19th at Fulton.

Showers and thunderstorms again occurred on the 23-25th as a squall line moved across the State. Several local storms were reported in a number of areas. The rains complemented those of the previous week in that southern sections received light amounts while northern sections received the moderate to heavy rainfall.

Following the rains of the 18-19th and 23-25th, small grains, pastures, winter crops, and gardens made good growth, although by the close of the month additional rains were still needed. A few stations received good rains on the 31st; and some light hail, with no damage, was reported in the Arkadelphia, Pine Bluff, and Walnut Ridge areas.

SEVERE STORM DATA

A squall line moving across the State on the nights of the 24-25th was accompanied by two tornadoes and damaging winds in a number of areas. One tornado occurred in Benton County with \$10,000 damage in a 20-mile long path from Centerton at 10:40 p.m. to the Bentonville area at 11:15 a.m., and thence northeastward to the Twelve Corners Community in the northeastern corner of the county. There were no fatalities but four people were injured. Another tornado occurred at 2:15 a.m. in about the same area between Centerton and Hiwasse, causing an estimated \$5,000 property damage. Damaging winds were reported in the Texarkana area as well as in Boone County.--MOA

SUPPLEMENTAL DATA

ARKANSAS
MARCH 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	14	9.8	38	SW	24	65	74	46	46	1	2	3	1	0	0	7	48	5.9
LITTLE ROCK WB AIRPORT	WNW	11	10.4	37	S	25	59	70	49	45	2	2	3	2	0	0	9	49	6.5
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	75	51	51	5	1	2	1	0	0	9	-	6.5

COMPARATIVE DATA

Table 1

MARCH

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	46.7	79	10	5.10	-	1916	54.5	91	11	1.93	T	1941	47.5	80	13	2.21	0.2
1892	47.9	84	9	3.44	3.8	1917	53.0	87	9	5.32	1.0	1942	53.0	89	18	3.95	2.0
1893	50.1	92	5	3.55	T	1918	57.9	96	16	1.31	0.0	1943	46.9	84	-6	5.66	0.2
1894	54.6	98	8	9.84	0.8	1919	53.8	86	11	5.47	0.5	1944	51.3	87	14	6.13	0.2
1895	51.8	91	10	5.39	T	1920	51.8	88	2	5.31	0.3	1945	58.9	92	16	11.12	0.0
1896	48.7	85	12	5.28	1.3	1921	60.8	92	18	6.55	T	1946	58.2	94	19	5.47	0.0
1897	55.9	88	13	9.76	T	1922	51.7	83	7	8.58	0.3	1947	45.0	79	5	2.69	0.9
1898	54.5	88	18	5.96	0.1	1923	49.6	88	2	5.04	T	1948	50.6	89	-14	5.72	1.4
1899	50.6	87	1	2.97	0.4	1924	46.6	84	5	3.27	6.8	1949	50.9	84	18	5.42	0.5
1900	51.2	90	7	2.50	0.8	1925	55.9	89	7	1.69	T	1950	49.2	85	11	4.20	T
1901	51.5	86	4	4.67	T	1926	48.5	86	11	5.57	0.4	1951	51.3	87	11	2.40	0.2
1902	52.6	89	14	5.34	T	1927	53.5	87	5	7.24	0.6	1952	50.1	89	14	5.59	T
1903	54.8	85	11	5.56	0.6	1928	52.7	82	20	2.53	0.1	1953	56.2	90	20	7.37	T
1904	55.3	90	12	5.64	T	1929	55.7	98	19	3.77	T	1954	50.8	90	10	2.06	0.1
1905	57.1	92	26	5.31	T	1930	50.4	83	15	2.21	T	All Years	52.4			4.74	0.5
1906	45.2	88	10	5.69	0.4	1931	47.5	85	16	4.21	0.4						
1907	61.9	96	25	3.22	0.0	1932	45.2	88	2	4.48	0.7						
1908	53.5	93	21	3.79	0.1	1933	52.6	91	17	4.87	T						
1909	62.7	84	16	3.71	T	1934	49.6	85	4	6.53	1.0						
1910	60.7	92	22	1.39	T	1935	58.7	90	18	8.29	T						
1911	56.6	94	15	2.17	0.0	1936	57.1	88	22	2.19	T						
1912	45.8	86	10	7.86	0.2	1937	48.7	84	14	3.04	0.3						
1913	49.7	83	8	4.74	0.8	1938	60.3	91	20	6.02	0.0						
1914	50.0	86	4	5.13	1.9	1939	54.4	88	19	3.71	T						
1915	42.5	73	14	3.54	0.7	1940	52.0	88	9	2.39	0.7						

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days		Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										30° or Above	32° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More		
																						30° or Above	32° or Below
ALUM FORK	65.8	38.4	52.1	-1.0	81	25	23	1	402	0	0	9	0	1.30	-4.39	0.55	2	0.0	0	0	5	1	0
ARKADELPHIA	68.7	40.9	54.8	-1.0	89	11	20	4	342	0	0	9	0	2.64	-2.24	1.00	19	T	0	0	5	2	1
ASHOOWN	67.7	41.7	54.7		89	11	17	4	348	0	0	10	0	0.95	0.40	19	0.0	0	0	3	0	0	
BALO KN08	64.1	38.8	51.5		80	12	20	4	427	0	0	9	0	1.91	0.61	2	0.0	0	0	4	2	0	
BATESVILLE LIVESTOCK	61.3M	34.8	48.1M		81	13	15	4		0	0	12	0	2.42		0.68	24	0.0	0	5	3	0	
BATESVILLE L O 1	62.7	36.4	49.6		80	12	17	4	481	0	0	15	0	2.14	-1.82	0.94	24	T	0	4	1	0	
BENTON	65.3	38.0	51.7	-0.9	84	11	19	4	425	0	0	11	0	2.27	0.93	19	0.0	0	0	5	2	0	
BENTONVILLE	58.1	30.6	44.4	-3.6	80	28	10	4	633	0	1	17	0	2.77	-0.66	1.53	24	0.8	1	3	2	1	
BLTTHEVILLE	62.5	39.3	50.9	-0.3	80	12	22	4	438	0	0	10	0	2.96	-1.65	0.95	24	0.0	0	5	2	0	
BOONEVILLE	64.2	37.8	51.0		83	28	16	4	439	0	0	10	0	0.86		0.44	25	T	0	2	0	0	
BRINKLEY	64.6M	40.8M	52.7M	-0.6	82	11+	20	4	394	0	0	8	0	1.44	-3.85	0.65	19	0.0	0	3	1	0	
CAM0EN 1	68.9	41.7	55.3	0.0	90	12	22	4		1	0	9	0	1.81	-3.25	0.75	19	0.0	0	3	2	0	
CAMP CHAFFEE	64.1	36.9	50.5		84	28	16	4	446	0	0	10	0	1.94		0.76	25	0.0	0	4	2	0	
CLARKSVILLE	63.9	38.4	51.2		85	28	17	4	436	0	0	9	0	2.49		0.94	25	0.0	0	5	2	0	
CONWAY	65.9	41.0	53.5	-0.1	82	12	21	4	371	0	0	9	0	1.88	-2.72	0.58	2	0.0	0	5	1	0	
CORNING	59.7	38.2	49.0	-1.8	81	13	22	4		0	0	10	0	3.44	-1.19	1.27	24	0.0	0	5	4	1	
CROSSETT	70.0	41.6	55.8	-0.2	87	11	20	4	321	0	0	7	0	1.97	-3.18	0.98	25	0.0	0	4	1	0	
CUMMINS FARM	66.4	40.9	53.7		87	11	21	1	378	0	0	9	0	1.38		0.45	2	0.0	0	4	0	0	
0ARDANELLE	65.0	39.7	52.4	-0.9	83	12+	22	4	401	0	0	9	0	1.91	-2.40	0.65	23	0.0	0	5	2	0	
DE QUEEN 2 NE	66.9	39.7	53.3	-2.4	90	11	14	4	383	1	0	10	0	0.61	-3.92	0.47	25	0.0	0	2	0	0	

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
MARCH 1954

Table 5-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	
STUTT GART 9 ESE	MAX	78	60	62	43	42	49	53	64	69	73	76	85	85	57	47	50	63	61	67	67	57	55	71	62	83	70	64	72	75	80	45	
	MIN	23	25	21	19	22	25	31	35	34	37	49	50	44	25	25	23	26	40	42	44	36	40	43	49	55	47	46	46	50	40	36	
SUBIACO	MAX	63	59	43	45	48	56	69	69	73	75	80	80	75	50	58	61	67	67	65	54	58	57	78	79	70	76	84	81	56	53		
	MIN	24	33	22	20	28	29	29	41	37	47	49	61	34	22	25	28	40	40	48	40	36	38	46	46	56	45	46	48	52	36	35	
TEXARKANA WB AP	MAX	63	55	47	41	46	55	65	71	78	81	88	80	61	52	57	60	66	66	66	66	66	64	66	69	73	80	77	74	77			
	MIN	30	35	29	24	30	29	33	42	39	53	60	61	34	27	31	36	35	41	43	35	30	35	39	41	46	43	43	43	52	26	27	
TURNPIKE	MAX	48	44	31	35	43	47	58	59	62	67	65	72	60	39	44	53	55	49	58	60	50	50	50	65	67	58	70	74	64	52	42	
	MIN	26	24	13	14	25	26	34	38	43	51	53	52	26	14	19	22	40	41	48	45	33	43	49	51	55	39	40	47	56	36	37	
WALORON	MAX	60	59	39	43	46	57	68	67	78	76	83	78	75	45	53	60	66	61	65	63	59	59	59	80	77	75	77	83	77	56	52	
	MIN	21	33	24	17	26	23	22	32	29	40	47	62	37	23	18	22	40	41	48	45	33	43	49	51	55	39	40	47	56	36	37	
WALNUT RIDGE CAA AP	MAX	53	50	37	44	48	54	65	63	70	71	69	81	62	45	50	57	59	64	66	52	50	50	48	74	74	58	71	70	75	41	53	
	MIN	26	33	24	21	29	29	32	38	35	44	48	60	32	26	24	26	32	33	51	42	36	37	45	48	54	45	43	52	40	35	35	
WARREN	MAX	61	65	49	43	47	58	65	70	76	80	87	83	74	57	57	60	64	73	75	63	60	75	77	84	78	72	75	79	83	75	47	
	MIN	25	31	30	22	35	30	33	40	41	50	58	52	42	29	28	27	39	34	53	44	40	47	57	68	58	49	53	48	58	44	39	
WHITE ROCK	MAX	54	50	34	39	42	53	60	63	68	70	68	73	60	40	46	55	57	55	62	57	57	49	52	66	71	64	70	76	74	51	44	
	MIN	27	25	13	17	25	26	35	44	42	54	57	59	27	14	22	30	37	40	39	35	33	37	44	43	48	42	45	49	50	27	29	
WILSON	MAX																																
	MIN																																
WYNNE	MAX	53	59	40	41	47	53	63	64	68	74	79	81	75	46	49	55	60	66	67	61	52	58	56	77	77	64	71	71	77	76	49	
	MIN	23	40	28	23	28	24	34	38	42	53	59	64	45	26	21	22	33	39	55	44	38	40	48	51	55	47	49	50	57	37	38	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	-	-	*	*	.26	*	*	.36	.18	.19	.08	.13	*	*	*	.88	.19	.03	*	*	.42	.03	*	.12	.24	*	*	.55	.26	.06	4.258	
	WIND	*	.72	146	124	40	*	*	.170	.56	.57	.57	.115	*	*	.371	.48	.43	.75	.81	*	*	.166	.55	.48	.182	.68	*	*	.191	.141	.98	2404
HOPE	EVAP	-	.12	.01	-	.07	.17	*	.23	.20	.18	.10	.22	.29	*	.38	.15	.14	.19	-	-	.33	.02	.03	*	.43	.19	*	.36	.23	.08	4.738	
	WIND	-	.40	.76	.57	.17	.22	*	.52	.33	.29	.59	.74	.93	*	.131	.39	.31	.31	.83	.63	*	.135	.24	.37	.104	.59	.99	*	.76	.70	.95	16838
NARROWS OAM	EVAP	*	.25	*	*	.32	.08	.12	.12	.17	.07	.16	.17	.13	*	*	.56	.19	.02	.21	.13	.14	.03	.00	.16	.09	.23	.17	.22	.20	.08	4.02	
	WIND	43	45	78	46	21	15	23	22	24	24	34	66	52	93	33	32	22	38	67	60	33	27	52	42	115	.42	44	22	39	54	35	1343
NIMROD OAM	EVAP	*	.26	*	*	.24	.09	*	.25	.15	.16	.09	.07	.32	-	-	.13	.14	.01	.20	.11	.07	.05	.06	.09	.17	.11	.15	.23	.23	.07	3.828	
	WIND	61	31	134	25	26	17	11	16	18	22	38	38	93	112	40	5	10	2	18	34	40	3	3	71	52	.3	10	21	49	9	1015	
RUSSELLVILLE	EVAP	.07	.06	.05	.09	.06	.06	.10	.04	.08	.08	.14	.14	.08	.10	.22	.16	.10	.04	.07	.07	.18	.08	.07	.08	.26	.11	.08	.15	.17	.12	.17	3.28
	WIND	14	26	60	16	9	20	8	11	8	13	9	33	75	51	12	12	18	27	33	40	22	23	19	9	57	26	9	19	25	25	754	
STUTT GART 9 ESE	EVAP	*	.24	*	*	.19	*	.17	.09	.12	.12	.11	.16	.20	*	*	.47	.14	.00	.17	.12	.09	.11	.00	.15	.06	.13	.07	.13	.21	.03	3.28	
	WIND	89	96	108	41	39	11	17	60	36	53	112	131	87	114	37	23	47	53	163	60	58	54	85	49	183	52	64	65	79	98	63	2227

SNOWFALL AND SNOW ON GROUND

Table 7

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	
EL OORADO CAA AP	SNOWFALL SN ON GND						T																										
EUREKA SPRINGS	SNOWFALL SN ON GND		2.5	-																						T							
FAYETTEVILLE EXP STA	SNOWFALL SN ON GND		0.6	T	T														T														
FORT SMITH WB AP	SNOWFALL SN ON GND		T																														
GILBERT	SNOWFALL SN ON GND				T																				T								
GRAVETTE	SNOWFALL SN ON GND		-	-																													
NEWPORT	SNOWFALL SN ON GND															T																	
OZARK	SNOWFALL SN ON GND																										I						
POCAHONTAS 1	SNOWFALL SN ON GND		T																														
PORTLAND	SNOWFALL SN ON GND							T																									
PRESCOTT	SNOWFALL SN ON GND																		T														
ROGERS	SNOWFALL SN ON GND				T																												
TEXARKANA WB AP	SNOWFALL SN ON GND						T												T														

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

T Trace, an amount too small to measure.

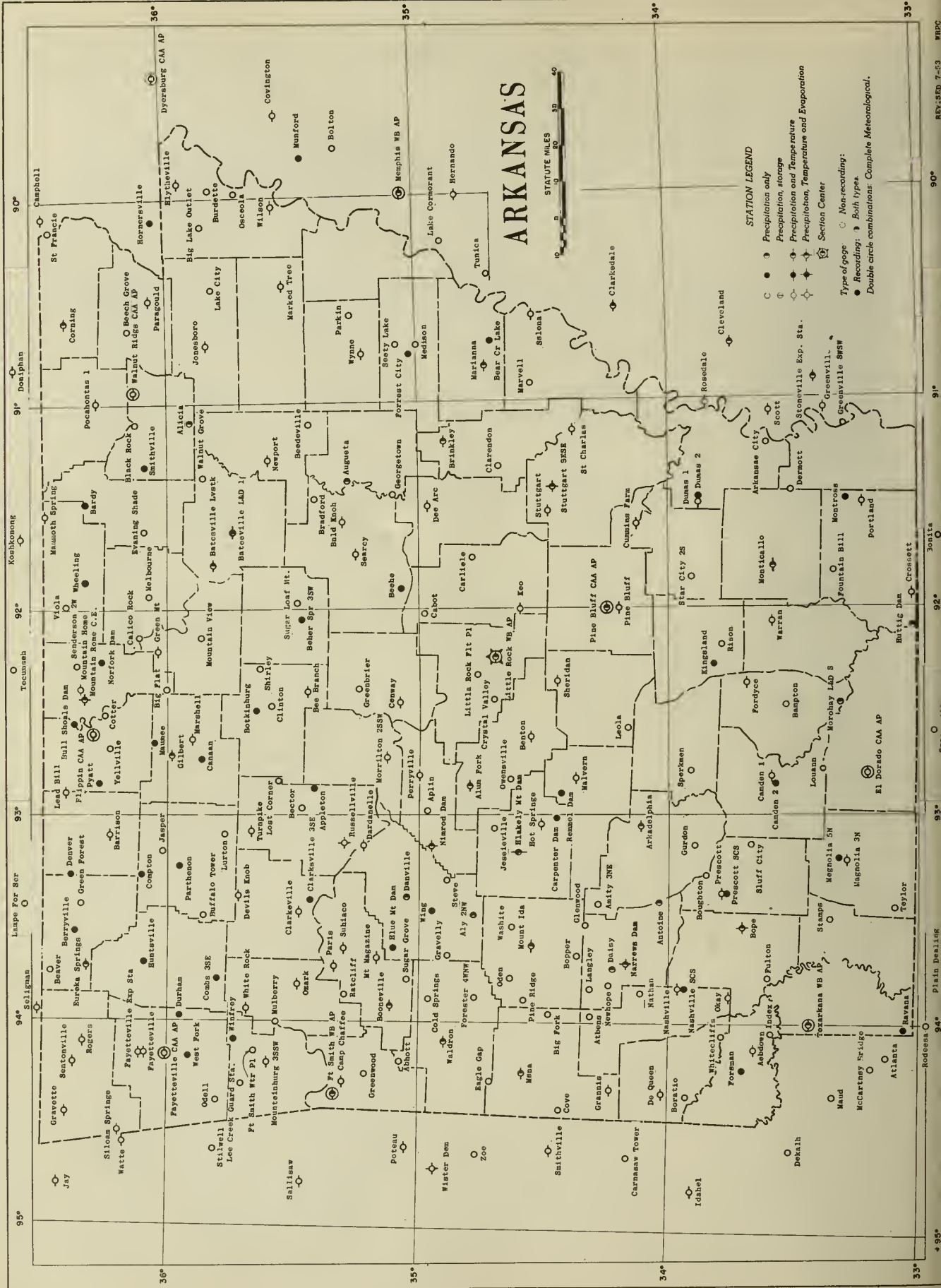
V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 5-12-54 -- 1005

Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".



51.05
NAR
2.59⁴

~~Nat Hist~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE

JUN 21 1954

UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

APRIL 1954

Volume LIX No. 4



U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024

~~NAT
HIST.~~

Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

ARKANSAS - APRIL 1954

Walter C. Hickmon, Section Director - Little Rock, Arkansas

WEATHER SUMMARY

April weather for Arkansas in 1954 was warm and relatively dry. It was the warmest April in Arkansas since 1896, and the second warmest of record. The monthly average temperature, 66.4°, was 4.8° above normal, and 8.7° warmer than April a year ago. Precipitation for the month averaged 4.00 inches, which is 81% of and 0.94 inch below the normal. Most sections received less than normal precipitation during the month although a number of stations in Western and Southern Arkansas received above normal amounts.

Coollest weather during the month occurred on the 1st and 2nd, when minimum temperatures were below freezing at most stations. Bentonville, with 17° on the 1st, recorded the month's lowest temperature. The remainder of the month was warm with temperatures generally above normal. The only freezing weather after the 2nd occurred on the 17th when 32° was recorded at Gilbert and Lead Hill. Maximum temperatures were in the upper 80's from the 23rd through the 27th with a few stations reporting highs in the low 90's. Camden 1, with 92° on the 24th, reported the highest temperature for the month.

The extremely dry weather of February and March continued into April until showers occurred in many sections on the 7-8th, and over most of the State from the 10th to 13th. Showers also fell in most areas on the 15-16th, and from the 27th through the 30th. Severe local storms occurred in a number of areas in connection with these showers, particularly on the 30th.

The showers were generally light, and only a few stations reported daily amounts of as much as 2.00 inches. Greatest daily rainfall reported by any station was 3.22 inches at Subiaco on the 28th. Greatest monthly rainfall reported by any station was 8.19 inches at Monticello; least reported was 1.00 inch at Washita.

There were no floods during the month. Streams of the State continued at low stages.

Small grain crops, hay, and pastures, responded nicely to the needed moisture. By the 16th most sections had sufficient moisture for current needs. Spring planting, cultivating, and other farm activities were considerably ahead of schedule by the close of the month.

SEVERE STORM DATA

Losses from severe storms of all kinds, including tornadoes, windstorms, and hailstorms, totaled more than \$455,000. Included in these losses were \$397,700 estimated damage by nine tornadoes, \$56,250 by straight winds, and \$2,000 damage to crops by hail. There were no fatalities. Three persons were injured by tornadoes; two were injured by lightning.

Two of the tornadoes occurred on the 10th, one on the 28th, and six on the 30th. One of the tornadoes on the 10th occurred between 12:30 p.m. and 1:25 p.m., leaving scattered damage estimated at \$15,000 over a narrow path 21 miles long between Hermitage and Warren. The other tornado on the 10th, at 4:30 p.m., caused damage of about \$3,000 to a farmstead near Crossett. The tornado on the 28th at 12:30 p.m., caused minor damage in the Letchworth Community south of Des Arc.

Most of the severe storms in April occurred on the 30th. There were six tornadoes on that date, as well as wind and hail damage. One tornado entered the southwestern corner of the State at 11:00 a.m., and as it moved northeastward for 45 miles, \$10,500 damage was reported in the Fouke and Bodcaw areas. About the same time, another tornado entered Southwestern Arkansas and moved northeastward for 95 miles with extensive damage in or near the following places: Schall, Mineral Springs, Nashville; Bingen, Amity, Bismarck, and Hot Springs. Greatest losses from this tornado occurred in the Nashville and Hot Springs areas. At Nashville, where the tornado hit between 11:30 a.m. and 12:15 p.m., two persons were injured, and property losses were estimated at \$150,000. In the Hot Springs area where the storm struck at 12:50 p.m., there was an estimated \$25,000 tornado damage--as well as about \$50,000 damage by straight winds.

At 11:10 a.m. on the 30th a tornado funnel dipped to earth three times just south of and in the southern section of Fort Smith. Damage to signs and buildings was estimated at \$2,000.

Damage amounting to \$110,000, mostly to poultry and poultry equipment, occurred from 11:55 a.m. to 12:25 p.m. in a tornado that moved from Natural Dam, Crawford County, northeastward into Washington County through the Greenland, Harris, and Goshen Communities. One person was injured.

Another tornado at 12:30 p.m., caused about \$16,000 damage to several farmsteads in a path from Hartman to west of Clarksville.

In Northeastern Arkansas, a tornado struck from 3:15 p.m. to 4:00 p.m. of the 30th over a 35 miles long path from Arbor Grove, eastern Lawrence County, to the Hoxie and Beech Grove areas in Green County. Damage was estimated at \$41,200.

Wind damage on the 30th, in addition to that accompanying the tornado in the Hot Springs area, was reported in Dallas, White, and Woodruff Counties. These wind losses were estimated at \$4,250. Scattered hail damage amounting to \$2,000 was also reported in Woodruff County.--MOA

SUPPLEMENTAL DATA

ARKANSAS
APRIL 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH W8 AIRPORT	NE	25	8.8	33	W	30	74	82	51	55	3	3	3	3	1	0	13	58	5.8
LITTLE ROCK W8 AIRPORT	SSW	18	9.4	48	SE	30	71	77	51	55	5	4	2	3	1	0	15	60	6.6
TEXARKANA W8 AIRPORT	-	-	-	-	-	-	-	86	60	62	3	5	1	2	2	0	13	-	6.3

COMPARATIVE DATA

APRIL

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	62.8	93	22	2.75	-	1916	59.9	92	24	3.65	T	1941	63.7	94	32	5.04	0.0
1892	61.4	97	27	6.98	0.0	1917	60.4	90	23	5.69	T	1942	62.8	88	20	8.45	0.0
1893	64.9	94	29	7.16	T	1918	59.6	96	25	7.63	0.0	1943	62.9	95	25	3.20	0.0
1894	63.1	91	29	6.18	0.0	1919	61.6	95	24	3.56	T	1944	60.1	88	19	6.65	T
1895	63.1	98	30	1.99	T	1920	59.8	94	21	5.49	T	1945	62.6	89	23	7.44	T
1896	67.8	94	24	3.65	0.0	1921	59.8	91	22	7.87	T	1946	65.0	94	30	5.46	0.0
1897	61.4	90	31	4.14	0.0	1922	63.5	90	26	5.54	0.0	1947	61.9	89	26	5.74	0.0
1898	59.2	93	19	3.09	0.0	1923	61.4	95	23	6.30	0.0	1948	66.2	93	27	3.46	0.0
1899	60.7	96	19	3.28	T	1924	61.4	94	18	4.99	0.0	1949	60.0	92	23	2.75	T
1900	62.2	96	24	4.98	T	1925	67.4	98	28	2.62	0.0	1950	58.2	91	20	3.29	T
1901	58.1	96	22	3.82	T	1926	59.1	94	18	2.65	T	1951	58.1	90	21	4.33	T
1902	61.2	96	25	2.87	0.0	1927	65.7	99	26	12.93	0.0	1952	58.1	93	23	5.88	T
1903	60.6	91	26	1.86	T	1928	57.3	87	22	8.52	T	1953	57.7	90	23	7.10	T
1904	56.8	89	24	3.88	T	1929	64.0	92	29	5.69	T	1954	66.4	92	17	4.00	T
1905	61.1	96	25	6.29	T	1930	64.9	96	27	1.41	0.0	All Years	61.5			4.96	T
1906	63.7	97	27	2.55	0.0	1931	59.1	92	21	2.62	0.0						
1907	54.9	89	24	5.44	0.0	1932	63.8	92	28	2.85	0.0						
1908	63.3	94	24	6.32	T	1933	61.1	93	28	4.80	0.9						
1909	60.9	88	24	4.52	T	1934	62.7	90	29	3.51	0.0						
1910	59.8	90	22	5.14	T	1935	60.2	90	29	4.37	T						
1911	60.5	90	29	9.86	0.0	1936	59.7	96	17	2.64	T						
1912	61.9	93	26	8.14	T	1937	61.7	96	20	3.18	0.1						
1913	61.2	94	27	4.91	0.0	1938	62.1	94	24	4.83	0.1						
1914	61.0	94	19	4.57	0.0	1939	59.3	91	19	7.13	T						
1915	64.3	96	19	2.96	T	1940	59.9	95	18	6.93	T						

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
APRIL 1954

Table 5-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	
STUTT GART 9 ESE	MAX	49	58	72	80	82	85	83	87	86	75	75	76	65	71	83	72	63	77	80	77	80	83	84	86	81	82	87	86	80	80	77.5
	MIN	30	32	36	49	48	51	49	49	45	45	44	45	49	51	48	48	37	37	52	54	52	55	58	56	58	58	63	62	61	59	49.4
SURIACO	MAX	60	75	83	86	88	83	84	77	75	76	70	65	67	86	81	67	83	86	82	83	85	78	87	87	85	89	87	79	81	76	79.7
	MIN	28	33	46	50	59	64	63	52	49	55	59	52	50	54	61	47	44	54	52	58	61	57	57	57	59	60	69	60	57	59	54.7
TEXARKANA W8 AP	MAX	62	78	84	80	86	79	85	73	78	79	83	74	76	81	77	67	80	81	80	81	82	84	86	85	87	85	83	76	83	75	79.7
	MIN	35	39	50	59	67	66	66	56	53	64	63	56	53	63	63	47	45	54	57	59	60	61	63	61	62	64	68	65	67	64	58.3
TURNPIKE	MAX	53	73	77	77	77		77	67	66	69	65	64	66	69	67		73	78	73	74	76	74	79	78	56	51	53	53	51	54	71.5
	MIN	26	36	46	57	51	59	56	43	38	54	55	42	45	49	49	40	44	55	52	53	56	55	53	54							49.5
WALDRON	MAX	65	79	85	84	85	82	82	77	76	79	78	66	69	84	80	67	84	84	80	81	84	80	87	85	87	85	84	80	83	82	80.1
	MIN	22	30	39	51	56	58	63	54	48	54	61	51	50	57	65	49	35	44	60	58	57	54	53	54	54	56	67	60	58	62	52.7
WALNUT RIDGE CAA AP	MAX	55	71	65	81	83	80	84	67	74	74	67	62	70	85	76	61	77	82	78	82	83	84	85	86	88	88	87	72	76	82	76.8
	MIN	30	38	45	44	60	65	65	46	41	55	56	52	52	59	57	47	41	54	59	56	57	57	60	61	62	64	69	60	60	63	54.5
WARREN	MAX	64	78	84	80	85	82	87	80	79	72	81	75	71	87	77	68	80	83	81	85	86	84	87	87	89	82	83	82	83	81	80.8
	MIN	32	34	44	58	65	65	65	58	48	61	65	54	53	56	67	54	42	53	54	54	55	53	56	55	57	60	62	65	64	64	55.8
WHITE ROCK	MAX	58	70	77	78	80	76	76	73	66	69	70	59	61	80		76	79	78	77	80	75	81	80	80	81	76	70	71	70	73.8	
	MIN	29	40	56	58	61	60	60	45	44	56	56	49	47	59		41	46	58	55	54	57	55	59	65	63	61	64	56	57	56	54.0
WILSON	MAX	63	75	85	84	85	86	87	79	78	74	64	66	73	87	84	72	75	83	80	83	86	87	83	87	88	89	88	84	80	84	80.6
	MIN	39	40	42		68	69	67	49	42	53	60	55	51	51	69	49	42	56	58	58	56	61	63	60	62	63	68	58	60	67	56.4
WYNNE	MAX	56	72	75	83	82	82	84	80	75	73	71	63	72	84	76	69	75	80	76	80	83	84	87	85	85	87	86	74	80	80	78.0
	MIN	30	33	44	48	65	67	65	54	44	55	62	54	51	58	68	49	37	55	57	60	55	59	58	55	63	66	67	59	60	63	55.4

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MT DAM	EVAP	.11	.13	*	*	.56	.28	.10	.21	.25	*	*	.31	.21	.03	.21	.20	*	*	.96	.25	.24	.28	-	-	-	-	-	.24	.00	.10	5.608	
	WIND	72	43	*	*	160	153	118	134	84	*	*	157	76	16	132	132	*	*	293	87	79	80	45	*	*	131	100	88	37	60	2283	
HDPE	EVAP	.02	.12	.20	*	.25	.21	.09	.20	.24	.34	*	.42	.14	-	.03	*	.33	*	.44	.21	.15	.21	.19	.26	*	.45	.07	-	-	5.348		
	WIND	48	28	25	*	44	66	46	74	110	17	*	97	98	13	45	83	81	*	66	31	20	17	5	10	*	6	29	21	31	9	1117	
MOUNTAIN HOME C E	EVAP	.07	.16	.14	.24	.18	.29	.30	.35	.27	.21	.31	.14	.13	.10	.28	.19	.21	.24	.39	.27	.27	.23	.13	.18	.23	.19	.32	.17	.06	.14	6.39	
	WIND	58	40	37	75	44	97	109	122	73	51	58	73	24	36	115	90	64	39	108	49	60	51	25	10	25	19	62	31	23	28	1696	
NARRDWS DAM	EVAP	*	.21	.23	.20	.12	.25	.10	.23	.10	.27	.04	.11	-	.04	.21	.15	.24	.22	.28	.24	.21	.25	.24	.26	.25	.25	.29	.19	.11	.11	5.598	
	WIND	32	28	44	34	26	80	67	69	44	25	39	41	47	12	69	91	58	29	49	50	42	47	39	32	36	27	56	34	17	33	1297	
NIMRDD DAM	EVAP	*	.15	.17	.23	.21	.33	.14	.25	.19	.17	.00	.13	.11	.02	.26	.25	.25	.29	.30	.16	.21	.29	.15	.12	.21	.24	.27	.08	.02	.05	5.25	
	WIND	6	6	9	11	21	56	32	31	11	10	13	9	9	9	59	59	79	44	34	35	30	36	24	6	13	18	39	20	9	9	747	
RUSSELLVILLE	EVAP	.02	.11	.20	.20	.14	.14	.10	.45	.40	.06	.18	.49	.23	.18	.26	.21	.14	.29	.19	.21	.19	.22	.22	.16	.22	.21	.09	.22	.05	.11	5.90	
	WIND	16	12	29	17	18	25	21	36	37	4	13	17	5	11	38	37	14	24	15	18	15	16	9	11	10	14	14	8	15	23	5.42	
STUTT GART 9 ESE	EVAP	*	.07	.20	.13	.13	.22	.17	.17	.19	.12	*	.08	.13	.05	.14	.04	.15	.16	.26	.18	.21	.16	.22	.18	.17	.15	.09	.17	.06	.14	4.14	
	WIND	38	26	40	35	64	44	142	151	48	25	61	59	39	26	91	102	41	64	111	76	6	98	27	29	39	27	63	62	76	71	1781	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

o Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

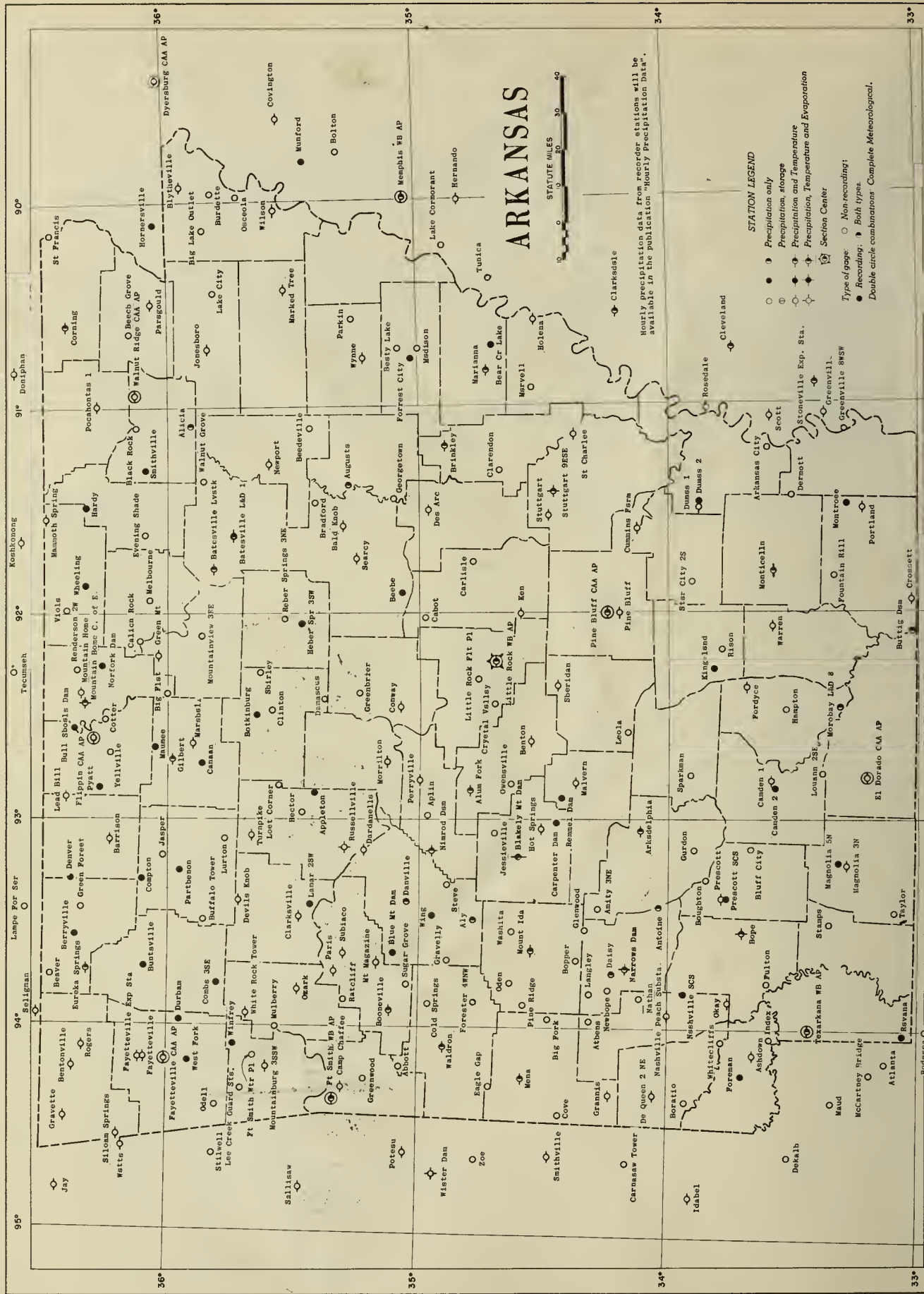
T Trace, an amount too small to measure.

V Includes total for previous month.

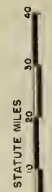
SS This entry in time of observation column in Station Index means observation made near sunset.

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 6-9-54 -- 1005



ARKANSAS



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - Precipitation, Temperature and Evaporation
 - Section Center
- Type of gage: ○ Non-recording; ● Recording; ● Both types.
- Double circle combinations: Complete Meteorological.

51.05
UNAR
v.59⁵

nat. hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE

JUL 21 1954

UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

MAY 1954

Volume LIX No. 5



PERIODICAL DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024
03

KANSAS CITY: 1954

Penalty for private
use to avoid pay-
ment of postage
\$300.

NAT. HIST.

ARKANSAS - MAY 1954

Walter C. Hickmon, Section Director - Little Rock, Arkansas

WEATHER SUMMARY

Heavy rains were occurring over Arkansas as the month began. Rainfall amounts for the first two days of May ranged from near an inch to more than 5 1/2 inches. Greatest daily amounts, reported on the 2nd, were 5.52 inches at Aly, and 5.45 inches at Cabot. Local flooding was reported in many areas, with heavy losses especially in the Little Rock and Hot Springs areas. One death was attributed indirectly to the heavy rains when a boy rode his bicycle into a flooded drainage ditch in North Little Rock. Roads and bridges suffered considerable damage. Much cotton needed replanting.

While rivers were in flood in many areas as a result of excessive rains, damages were negligible except for a delay in use of bottomlands for agricultural purposes.

The rains were followed by a period of cool weather with frosts on May 3rd and 4th which caused extensive damage to tender crops. Gardens and commercial vegetables, as well as the corn and cotton crops, were damaged. Temperatures were at record lows for so late in the season as minimum readings were below freezing in many areas. Lowest reading reported anywhere in the State was 26° at Green Mountain on the 4th.

Cool weather continued most of the month. It was the coolest May of record since 1924 as the monthly average temperature was 64.8°; 4.3° below normal. Maximum temperatures generally did not reach the 90's until the last two days. The highest temperature during the month was 95° at Camden, Marianna and Pine Bluff on the 30th.

While the heaviest rains, generally, fell on the 1st-3rd--showers occurred later in the month, mostly on the 7-13th, 17-18th, and 26-28th. The showers on the 9-13th were heavier in southern sections of the State while those on the 26th-29th were generally heavier in central areas. The showers on the 17th-18th were scattered throughout the State but amounts were less than an inch.

Cotton and corn made poor growth because of the cool, wet weather. The weather was, however, favorable for pastures. Cattle made excellent gains. At the close of the month, soil moisture supplies were adequate to excessive except in some northern areas where additional rainfall was needed.

The monthly average precipitation for the State was 5.43 inches, which is 0.32 inch above or 106% of normal. Portland, with 10.93 inches, reported the greatest amount during the month. Crystal Valley recorded 10.15 inches. Lead Hill, with 2.17 inches, registered the least. Other stations recording less than three inches of rain in May were Alum Fork, Fort Smith, Keo, Marianna, Melbourne and Ratcliff.

SEVERE STORM DATA

Extensive damage to crops and property occurred as a result of hail, heavy rains, lightning, tornadoes, and wind storms, on the 1st-2nd, 9th, 29th, and 31st. There were no deaths or injuries directly attributed to the storms.

There were five tornadoes during May, four of which occurred on the 2nd, and one on the 25th.

The first of the tornadoes on the 2nd occurred at 6:30 a.m. in Miller County where three farmsteads were damaged with losses estimated at \$3,500.

Another tornado was reported at Oklona, southwest of Arkadelphia, at 9:15 a.m. where two barns and other buildings were damaged. Later, in what was believed to be the same tornado, several houses and a number of trees were damaged to the north of Arkadelphia.

Several buildings were damaged, with an estimated \$3,000 loss in a tornado that occurred in Eastern Mississippi County at 9:30 a.m.

The last tornado on the 2nd occurred at 11:00 a.m. near Stuttgart where there was considerable damage. It was reported that this tornado sucked concrete blocks, supporting a grainery, out of the ground, and that it carried objects such as tree limbs and window glass for considerable distances.

On the 31st several persons reported observing a tornado funnel aloft at 7:50 p.m. near Harrison, Boone County.

The most destructive storm of the month was reported shortly after midnight on the 29th in Howard County where hail, marble to golf ball size, caused extensive damage over much of the county. Damage to property was estimated at \$50,000, and to crops at \$450,000, according to the County Agent. Other hailstorms on the 29th were reported in Lawrence, Randolph, and Sevier Counties. Losses totaled \$3,000.

Hail with extensive damage to truck crops, gardens, and cotton, was reported on the 1st and 2nd in a number of areas in Central Arkansas. Hail was also reported in Madison County on the 31st where damages to crops were estimated at \$1,500.

Damage by lightning was reported near Dardanelle on the 1st where a chicken-house with 6,000 chickens was destroyed by fire; and near Nashville on the 9th where 5 cattle in a pasture were killed.--MOA

SUPPLEMENTAL DATA

ARKANSAS
MAY 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
FORT SMITH W8 AIRPORT	NE	21	7.5	31	NW	31	84	89	52	55	3	5	6	2	0	0	16	61	6.4
LITTLE ROCK W8 AIRPORT	SSW	10	8.1	34	SW	2	75	80	51	53	3	8	1	1	2	1	16	65	6.2
TEXARKANA W8 AIRPORT	-	-	-	-	-	-	-	89	64	65	1	1	2	3	4	0	11	-	6.2

COMPARATIVE DATA

MAY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	67.0	97	36	2.78	0.0	1916	71.6	99	34	3.56	0.0	1941	71.4	97	40	2.22	0.0
1892	76.8	95	36	9.52	0.0	1917	63.5	97	31	3.15	0.0	1942	68.0	100	36	3.89	0.0
1893	68.6	94	38	9.71	0.0	1918	72.2	102	29	3.01	0.0	1943	71.0	95	38	7.89	0.0
1894	70.1	95	35	3.40	T	1919	66.8	96	38	6.01	0.0	1944	70.3	96	28	6.42	0.0
1895	69.0	97	36	3.91	0.0	1920	70.8	96	39	8.17	0.0	1945	66.2	99	32	5.23	0.0
1896	74.3	98	46	3.54	0.0	1921	69.7	99	29	2.25	0.0	1946	86.4	93	33	9.47	0.0
1897	68.3	99	33	2.13	0.0	1922	70.8	100	40	5.00	0.0	1947	67.4	95	35	5.50	0.0
1898	72.1	100	30	8.44	0.0	1923	67.2	98	27	8.24	0.0	1948	68.7	97	35	5.15	0.0
1899	72.9	96	44	6.45	0.0	1924	64.6	94	30	4.64	0.0	1949	71.3	94	30	5.29	T
1900	69.3	97	37	3.69	0.0	1925	68.0	102	26	1.88	0.0	1950	69.7	95	40	8.12	T
1901	68.2	100	31	2.95	0.0	1926	69.7	107	29	2.42	0.0	1951	69.1	101	33	1.93	T
1902	73.2	100	42	4.34	0.0	1927	71.7	97	32	6.54	0.0	1952	68.9	100	31	4.14	T
1903	67.5	98	24	7.47	0.0	1928	69.5	98	34	3.60	0.0	1953	70.1	99	38	7.59	T
1904	67.1	98	31	3.39	0.0	1929	67.8	97	30	6.31	0.0	1954	64.8	95	26	5.43	T
1905	70.7	98	38	9.58	0.0	1930	68.8	95	37	10.08	0.0	All Years	69.2			5.09	T
1906	68.8	100	28	4.71	0.0	1931	65.2	96	27	3.45	0.0						
1907	63.8	91	31	9.48	0.0	1932	69.5	96	35	1.96	0.0						
1908	70.0	96	30	7.05	0.0	1933	71.8	96	41	6.27	0.0						
1909	67.0	92	28	6.76	0.0	1934	70.3	103	35	3.36	0.0						
1910	66.0	95	31	6.56	0.0	1935	66.7	94	35	8.86	0.0						
1911	70.8	101	26	1.11	0.0	1936	70.9	96	35	2.50	0.0						
1912	69.9	98	32	2.41	0.0	1937	71.1	99	36	3.63	0.0						
1913	69.3	99	35	3.32	0.0	1938	70.2	97	34	4.62	0.0						
1914	69.5	97	34	3.34	0.0	1939	69.4	96	34	4.85	0.0						
1915	69.9	101	34	5.58	0.0	1940	66.6	96	33	3.62	0.0						

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
MAY 1954

TABLE 2

Table with columns: Station, Temperature (Average Maximum, Average Minimum, Average, Departure From Normal, Highest, Date, Lowest, Date, Degree Days, No. of Days), and Precipitation (Total, Departure From Normal, Greatest Day, Date, Snow, Sleet, Hail, No. of Days). Includes a sub-table for Degree Days with categories: 20° or Above, 32° or Below, 32° or Below, 5° or Below.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
MAY 1954

Table 5-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		
STUTT GART 9 ESE	MAX	81	77	77	60	61	70	75	73	75	69	66	72	72	71	77	80	81	82	79	79	79	81	82	83	86	84	81	76	89	85	90	77.2
	MIN	60	63	45	38	41	46	54	44	52	51	49	49	50	47	53	53	60	62	54	50	43	50	51	55	61	62	59	65	68	64	69	53.8
SUBIACO	MAX		79	60	66	74	79	75	73	72	67	68	61	75	79	84	84	82	82	76	75	90	87		86	80	85	88	88	90	90	78.4	
	MIN		51	40	33	39	49	58	43	52	48	48	53	44	44	49	53	60	59	54	48	43	59		58	62	61	64	65	74	52.3		
TEXARKANA WB AP	MAX	82	77	61	65	73	78	73	78	67	60	61	99	73	77	82	82	83	69	82	73	78	84	83	83	74	82	84	86	86	90	88	76.5
	MIN	66	52	45	39	46	54	58	50	56	50	53	53	49	48	53	59	63	60	62	56	54	60	61	62	66	67	68	68	63	71	71	57.5
TURNPIKE	MAX																												77	80	81		
	MIN	51	52	31	30	36	41	47	50	51	41	45	48	43	47	54	53	56	50	41	40	46	56	57	58	56	55	56	55	54	56	55	48.7
WALORDN	MAX	74	74	57	65	74	79	76	71	65	66	64	59	73	77	82	82	82	80	79	71	79	89	85	84	82	81	85	85	87	91	90	77.0
	MIN	58	53	40	33	37	44	59	41	53	48	53	53	41	41	45	49	59	62	51	42	42	54	55	56	61	63	63	60	64	65	66	52.0
WALNUT RIDGE CAA AP	MAX	79	73	58	62	69	78	68	72	70	70	72	67	72	77	81	83	71	78	76	71	76	69	83	87	85	74	82	87	80	87	89	75.7
	MIN	61	55	42	37	45	47	50	43	49	43	47	56	51	44	52	53	63	57	53	46	43	56	55	58	63	63	64	64	61	60	67	53.2
WARREN	MAX	75	77	67	64	74	79	75	74	78	66	69	64	72	74	82	84	85	77	83	72	78	83	84	88	84	84	80	88	86	93	91	78.4
	MIN	62	64	49	39	41	50	59	45	56	52	53	55	54	47	50	55	60	63	59	47	43	50	56	59	67	65	67	69	70	64	73	56.0
WHITE ROCK	MAX	65	63	50	58	70	72	69	71	68	64	61	57	69	73	79	75	73	75	71	68	71	80	79	79	74	69	75	79	76	80	82	70.8
	MIN	55	50	31	32	41	52	49	54	52	42	48	49	48	52	56	58	58	55	59	45	50	55	57	62	60	58	60	62	59	61	66	52.8
WILSDN	MAX	77	77	65	57	69	78	73	75	72	71	76	71	73	77	81	85	80	77	73	77	78	79	85	89	88	83	84	86	84	91	93	78.2
	MIN	64	64	47	38	44	49	59	43	54	42	46	52	53	53	52	56	63	53	47	43	48	53	53	59	66	66	67	69	63	64	72	54.9
WYNNE	MAX	74	74	67	60	68	75	69	72	70	69	74	63	72	75	80	81	80	71	72	70	74	75	82	87	83	77	76	87	84	90	90	75.5
	MIN	63	64	46	34	39	45	60	43	56	45	44	54	51	43	49	53	61	55	52	45	45	53	57	58	61	65	67	65	69	65	75	54.3

EVAPORATION AND WIND

Table 6

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	31		
BLAKELY MTN DAM	EVAP	-	-	.22	.17	.22	.24	*	*	.47	.06	.06	.05	.26	.22	*	.48	.16	.19	.31	.24	*	*	.81	.23	.10	.11	.18	*	*	1.06	6.478	
	WIND	*	*	283	84	44	37	86	*	*	156	34	46	108	70	42	*	86	36	38	83	47	*	*	167	32	35	55	42	*	*	313	1924
HOPE	EVAP	-	-	.45	.14	.06	.28	.15	-	.63	.02	*	.20	.19	.38	*	.19	*	.12	.23	.19	.38	*	.12	.06	.14	.12	.16	.39	-	-	5.488	
	WIND	31	*	167	40	18	7	22	42	34	29	20	53	85	46	9	*	17	19	10	19	25	7	*	21	3	2	8	7	30	*	27	798
MOUNTAIN HDME C E	EVAP	.13	.33	.07	.23	.09	.14	.21	.24	.18	.21	.18	.10	.05	.24	.20	.12	.23	.18	.30	.28	.22	.25	.24	.26	.22	.16	.06	.21	.25	.24	.22	6.04
	WIND	41	61	*	41	119	8	54	43	33	25	11	4	15	39	14	11	34	15	19	44	27	27	47	35	12	29	28	42	75	16	24	993
NARRDWS DAM	EVAP	.08	-	-	.17	.16	.25	.18	.10	.18	.06	.04	.03	.00	.22	.23	.23	.22	.21	.12	.29	.12	.12	.22	.15	.26	.13	.15	.21	.12	.18	.21	4.968
	WIND	33	74	81	56	24	17	27	25	28	15	12	31	35	40	26	20	23	29	14	29	24	27	30	38	11	19	20	18	57	24	28	935
NIMROD DAM	EVAP	.09	-	-	.16	.19	.21	.01	.19	.15	.11	.01	-	.22	.20	.23	.19	.20	.23	.18	.21	-	.24	.28	-	.14	.04	.17	.25	.20	.22	5.368	
	WIND	17	22	77	42	*	24	22	16	16	6	3	4	-	8	9	*	30	10	33	7	18	10	28	22	21	2	4	37	3	18	518	
RUSSELLVILLE	EVAP	-	-	.14	.13	.21	.18	.11	.10	.25	.12	.04	.16	.15	.23	.19	.16	.13	.12	.22	.20	.31	.19	.19	.13	-	.10	.15	.24	.31	.20	5.358	
	WIND	*	56	50	12	11	10	20	11	9	12	12	6	15	7	6	10	10	8	12	13	12	17	17	6	4	13	18	15	15	16	17	440
STUTT GART 9 ESE	EVAP	.13	.01	.02	.13	.17	.11	.20	.06	.25	.06	.14	.11	.01	.22	.11	.17	.16	.19	.18	.11	.21	.11	.25	.25	.21	.11	.12	.00	.17	.16	.18	4.31
	WIND	54	105	74	33	18	21	72	22	67	17	10	36	59	35	20	25	32	44	22	21	22	51	30	39	18	121	29	63	29	20	56	1265

See reference notes following Station Index.

STATION INDEX

ARKANSAS
MAY 1954

Main table containing station data with columns: Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Observer, Refer to tables. Includes a 'NEW STATIONS' section for stations established after 1954.

Continuation of Water Leaf Mountain record.

DRAINAGE CODE: 1. ARKANSAS 2. MISSISSIPPI 3. OUACHITA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

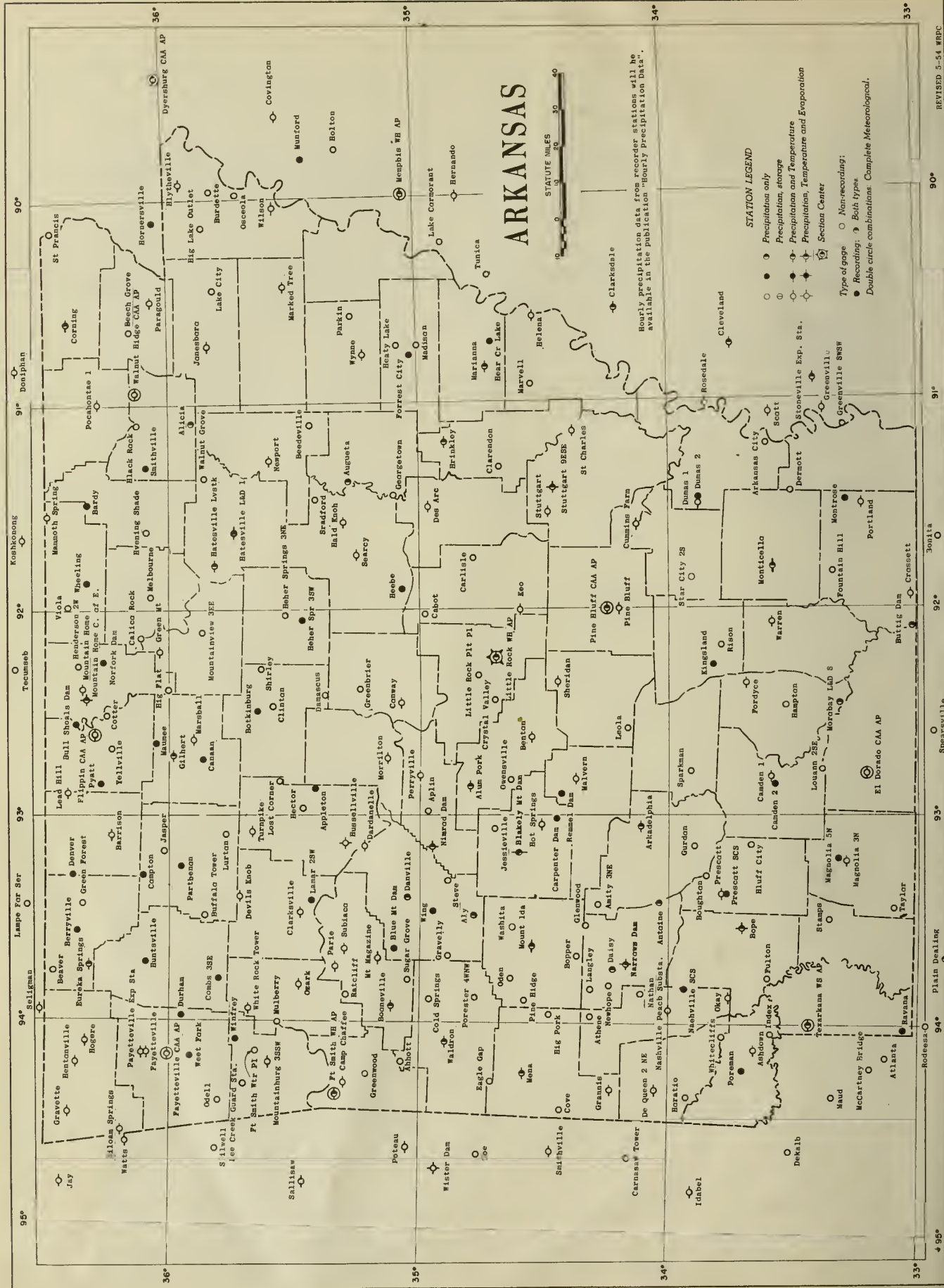
T Trace, an amount too small to measure.

V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 7-8-54 -- 1005



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center

Type of gage ○ Non-recording;
 ● Recording; ○ Both types
 Double circle combinations: Complete Meteorological.

551.05
UNAR
V.59

nat. Hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

JUNE 1954
Volume LIX No. 6



KANSAS CITY: 1954

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL BUSINESS
Penalty No. 1024

Penalty for private
use to avoid pay-
ment of postage
\$300.

NAT. HIST.

ARKANSAS - JUNE 1954

Walter C. Hickmon, Section Director - Little Rock, Arkansas

WEATHER SUMMARY

June 1954 over Arkansas was hot and dry. The monthly average temperature for the State was 79.6°, which is 2.5° above normal. Monthly precipitation for the State averaged 1.28 inches--2.83 inches below, or 31% of the normal.

This was the third year in succession with June much hotter and drier than normal. While the hot and dry trend for June continued this year, the month was not so hot nor so dry as in 1952 and 1953.

June 1954 began with near normal temperatures. Minimum temperatures from the 3rd through the 6th were generally in the 40's in the northwestern part of the State, and in the 50's in other sections. Maximum temperatures were in the 80's. The lowest temperature for the month was 40° at Green Mountain on the 5th.

By the 8th, temperatures warmed up and for the remainder of the month above normal temperatures prevailed with maximum temperatures generally above 90° each day. Between the 25th and 29th, maximum temperatures exceeded 100° at most stations. Minimum temperatures were generally in the 70's. The highest temperature reported anywhere in the State was 107° at Conway on the 28th and at Searcy on the 27th.

Scattered showers occurred on the 1st-3rd, 8th-9th, 13th, 15th-19th, 22nd-23rd, and 29th-30th. The showers were generally light. Only five stations reported daily rainfall amounts of two inches or more--Green Mountain and Shirley on the 23rd, Cabot on the 29th, and Oden and Washita on the 30th. Greatest daily amount reported was 2.33 inches at Shirley on the 23rd. Only four stations--Lead Hill with 4.36 inches; Cotter, 4.27 inches; Shirley, 4.15 inches and Washita with 4.25 inches--reported monthly totals over 4 inches. About 40% of the stations received less than an inch of rain during the entire month, of which eleven stations reported less than one-fourth inch. Sparkman received no rain at all.

There was progressive deterioration of crops and pastures because of the dry, hot weather. The moisture condition had not reached a critical stage by the close of the month, although inadequate moisture together with extreme heat was proving to be damaging to crops such as corn, sorghums, late hay, vegetables, and pastures in many areas. Generally, however the cotton crop had not suffered. According to the State Forestry Department on June 25th, forested areas were becoming dangerously dry.

SEVERE STORM DATA

Hail, tornado, wind, and electrical storm losses totaled \$424,125 during the month. One death and one injury were reported. There were three tornadoes.

A tornado damaged eleven houses in Mississippi County on the night of the 2nd, with property losses estimated at \$6,000. One person was injured.

Hail and wind losses in Randolph and Clay Counties on the afternoon of the 8th were estimated at \$10,000 by hail to crops and \$17,000 wind damage to buildings.

A tornado, wind, and hail storm between 2:00 p.m. and 2:30 p.m. on the 13th between the Black Oak area in Craighead County and Sandy Bayou and Kaiser in Mississippi County, caused damages of about \$14,000 to property and \$20,000 to crops. Another storm on the afternoon of the 13th was reported near Atkins, Polk County, where losses were estimated at \$10,000.

The most damaging storm of the month occurred on the afternoon of the 16th in Craighead and Mississippi Counties where crop damage to cotton, corn, and soybeans by hail was estimated at \$290,000; wind damage to several barns amounted to \$20,000; and, electrical losses totaled \$7,500.

Electrical storms on the 22nd caused a \$20,000 loss by fire to a church at Sage, IZARD County, and on the 29th a man was killed at Austin, Conway County, when lightning struck a fence he was holding.

The third tornado of the month occurred at Paragould on the afternoon of the 29th. In this storm, \$8,000 damage by the tornado was reported as well as a \$500 loss by lightning.--MOA

SUPPLEMENTAL DATA

ARKANSAS
JUNE 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AIRPORT	NE	23	6.9	40	W	8	78	85	45	47	3	4	1	0	0	0	8	79	3.5
LITTLE ROCK WB AIRPORT	SSW	18	7.8	30	NW	3	72	78	42	48	4	0	0	1	0	0	5	86	3.8
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	85	55	55	2	2	2	0	0	0	6	-	3.5

COMPARATIVE DATA

JUNE

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	77.9	103	56	3.71	.0	1916	75.4	99	43	5.15	.0	1941	76.2	103	47	4.01	.0
1892	76.9	103	40	3.87	.0	1917	75.2	105	37	4.87	.0	1942	77.2	104	45	4.54	.0
1893	76.3	99	49	5.20	.0	1918	80.5	110	49	3.55	.0	1943	79.8	102	47	2.86	.0
1894	76.6	106	42	1.39	.0	1919	76.9	101	45	5.11	.0	1944	79.2	102	48	3.04	.0
1895	76.9	100	47	5.94	.0	1920	74.7	101	42	3.41	.0	1945	75.2	98	43	9.26	.0
1896	77.7	103	48	1.91	.0	1921	78.5	103	46	4.84	.0	1946	75.6	99	41	2.12	.0
1897	78.0	106	41	3.46	.0	1922	78.6	104	44	2.64	.0	1947	76.7	101	44	3.88	.0
1898	78.7	100	60	4.86	.0	1923	76.7	99	46	5.20	.0	1948	77.8	102	45	4.91	.0
1899	77.3	102	50	2.74	.0	1924	78.5	105	42	3.64	.0	1949	77.9	101	52	5.17	T
1900	76.6	100	43	7.10	.0	1925	82.3	108	46	2.08	.0	1950	76.1	102	44	3.52	.0
1901	79.4	110	41	1.44	.0	1926	76.6	104	42	2.60	.0	1951	75.9	103	49	6.93	T
1902	77.5	105	42	5.27	.0	1927	76.3	104	43	6.50	.0	1952	82.1	109	49	0.49	T
1903	70.5	99	37	2.53	.0	1928	73.5	100	40	9.44	.0	1953	83.1	108	51	0.63	T
1904	75.3	99	50	7.14	.0	1929	76.2	102	41	3.68	.0	1954	79.6	107	40	1.28	T
1905	77.9	104	44	5.90	.0	1930	76.4	107	39	0.87	.0	All Years	77.3			4.00	T
1908	78.2	101	44	4.60	.0	1931	78.3	107	35	2.60	.0						
1907	75.2	103	39	4.48	.0	1932	78.9	103	50	4.86	.0						
1908	78.0	98	46	3.85	.0	1933	78.4	107	40	1.30	.0						
1909	76.9	104	49	4.08	.0	1934	81.1	108	49	2.88	.0						
1910	74.1	99	44	4.85	.0	1935	74.3	98	38	8.38	.0						
1911	80.9	106	47	2.53	.0	1936	80.0	113	44	1.28	.0						
1912	73.1	97	42	5.83	.0	1937	78.8	106	45	4.95	.0						
1913	77.0	103	39	1.68	.0	1938	75.8	101	48	4.34	.0						
1914	82.3	109	52	1.00	.0	1939	77.9	100	49	4.50	.0						
1915	76.0	106	45	4.92	.0	1940	75.2	98	45	4.35	.0						

See reference notes following Station Index.

DAILY PRECIPITATION

ARKANSAS
JUNE 1954

Table 3—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		
MARKED TREE	.94	.10	.02						.03	.13				T	.43		T						T	.54							.15	.02		
MARSHALL	.73	.25																1.19														.07		
MARVELL	1.29																																	
MELBOURNE	1.95	.10	.10							.90				T				T						.95								.15		
MENA	.15			T					T																									
MONTICELLO	.72																																	
MOROBAY L AND O NO 8	1.45	T	.25																															
MORRILTON	1.28	.41	.40						T	.04				T																			.33	
MOUNT IDA	.76							T	.49	.04																							.13	
MOUNT MAGAZINE	1.48		.80																														.09	
MOUNTAIN HOME	1.60	.39	.14					.11	.55																								.26	
MOUNTAIN HOME C OF ENG	2.12	.33	.14						.09	.55																							.27	
MOUNTAIN VIEW	2.18	.05	.07																														.20	
MOUNTAINBURG 3 SSW	1.02	.20	.29					.10	.09					T	.15			.06	.33													.07		
MULBERRY	2.17	.17	.35					T	.61																								.17	
NARROWS OAM	.99																																.02	
NASHVILLE PEACH SUBSTA	.12		.03						T																								.07	
NATHAN	.56	.06							.10																								.20	
NEWHOPE	1.00																																.03	
NEWPORT	.26	T	.09																														.13	
NIMROD OAM	1.71	.12							.30									.75	.11											.05	.05		.33	
OEELL	1.18	.18							.22																								.78	
ODEN	2.40								T																								.28	
OKAY	1.08		T	.23					.07																								.08	
OSCEOLA	1.14	.20	T	.22						.25																							.28	
OWENSVILLE	.22	T	.12																														.10	
OZARK	2.11	.46	.77					T	.30																								.10	
PARAGUOLO	1.26	.16							.31																								.35	
PARIS	1.10	.35	.02					.27	.31																								.01	
PARKIN	.82	.06	.76																															
PERRYVILLE	2.41							T																									.78	
PINE BLUFF	1.38		.26																														.39	
PINE BLUFF CAA AP	.79		.20	T																													.30	
PINE RIDGE	1.23																																.62	
POCAHONTAS 1	2.72	.10	.08						1.19																								.62	
PORTLAND	.35		T																														.20	
PRESCOTT	.69		.03	T																													.66	
RATLIFF	.72	.21	.11			T			.20	T																							.74	
RISON	.85		.11																															.06
ROGERS	2.89	1.50	.30						.33																									.74
RUSSELLVILLE	1.14	.14	.80					.04																									.16	
SAINT CHARLES	.04		.04																															
SAINT FRANCIS	2.48	.55	.03							1.26																								.38
SEARCY	.96	.01	.54																														1.60	
SHERIDAN	1.67	.07																																
SHIRLEY	4.15		.05																														1.21	
SILGAM SPRINGS	2.58	.71	.27					.05	.25																								2.0	
SPARKMAN	.00																																1.10	
STAMPS	1.49	.63	.33																														.53	
STAR CITY 2 S	.43																																.22	
STEVE	.81																																	.38
STUTTGART	.85																																	.45
STUTTGART 9 ESE	1.20	.23																																.85
SUBIACO	2.10	.30	.15					.68																										.11
SUGAR GROVE	.51	T	.30						.10																									.11
TAYLOR	1.76	.39	.09																															1.14
TEXARKANA W8 AP	.59	.16																																.40
TURNPIKE	1.31	.27	.05						.21	.01																								.38
VIOLA	2.64		.22							.65																								.54
WALDRON	1.01		.23					T	T																									.78
WALNUT GROVE	.68	.13	.15																															
WALNUT RIDGE CAA AP	1.84	T							.44																									
WARREN	1.33	.05																																
WASHITA	4.25		.80																															
WHITE ROCK	2.43	.26	.64						.79																									.74
WHITECLIFFS	.25	.10	.10																															
WILSON	.35	.10	.25						T																									
WYNNE	1.89	.27	.81																															
YELLVILLE	2.65	.53	.50							.34																								1.10

MONTHLY AND SEASONAL SNOWFALL

Season of 1953-54

ARKANSAS
JUNE 1954

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
AB60TT							-						-	
ALICIA							2.9						2.9	
ALUM FORK					T	T	2.5	T					2.5	
ALY							3.1							
AMITY 3 NE					T				T					
ANTOINE														
APLIN							11.0						11.0	
ARKAOELPHIA							1.4		T				1.4	
ARKANSAS CITY							.3	T					.3	
ASHDOWN														
ATHENS														
AUGUSTA							8.5				T		8.5	
BAILO KNOB							2.5						2.5	
BATESVILLE LIVESTOCK														
BATESVILLE L AND O NO 1							4.8		T				4.8	
BEATY LAKE								T						
BEAVER					T	T			3.0					
REE BRANCH														
REECH GROVE							2.0						2.0	
BEEDEVILLE							7.5						7.5	
BENTON							4.5						4.5	
BENTONVILLE					T	T	4.0		.8				4.8	
RIG FLAT														
RIG FORK							5.0						5.0	
RIG LAKE OUTLET								T						
BLACK ROCK							1.0			T				
BLAKELY MOUNTAIN DAM														
BLUFF CITY							.6							
BLYTHEVILLE														
BOONEVILLE							7.0			T	T		7.0	
BOUGHTON														
BRAFORD							9.0						9.0	
BRINKLEY										T				
BUFFALO TOWER					T		7.5	T						
BURETTE							1.5							
CABOT							3.0				T		3.0	
CALICO ROCK							2.6			T			2.6	
CAMOEN 1					T									
CAMP CHAFFEE							5.9						5.9	
CARLISLE							5.0						5.0	
CLAREMOON							4.0						4.0	
CLARKSVILLE					T									
CLINTON														
COLO SPRINGS							5.0						5.0	
CONWAY														
CORNING							3.5						3.5	
COTTER					T	T			T	T				
COVE							2.5						2.5	
CROSSETT														
CRYSTAL VALLEY														
CUMMINS FARM														
DAISY														
DAMASCUS														
DANVILLE														
DARONELLE														
DE QUEEN														
DERMOTT							.3						.3	
DES ARC							6.0						6.0	
DEVILS KNOB					T	T	.5							
DOMAS 1					T	T			T					
EAGLE GAP														
EL DORADO CAA AP										T				
EUREKA SPRINGS							1.0		2.5				9.0	
EVENING SHADE														
FAYETTEVILLE					T	T	9.8	.4	1.5				11.7	
FAYETTEVILLE CAA AP							7.0		T	T			7.0	
FAYETTEVILLE EXP STA							6.8		T	.6	T		7.4	
FLIPPIN CAA AP							4.0		T	T			4.0	
FOROYCE														
FORESTER 4 WNW														
FORT SMITH WB AP							6.3			T		T	6.3	5.5
FT SMITH WATER PLANT														
FOUNTAIN HILL														
FULTON										T				
GEORGETOWN							7.2						7.2	
GILBERT										T	T			
GLENWOOD														
GRANNIS							3.0		T	T			3.0	
GRAVELLY														
GRAVETTE							.4		T					
GREEN FOREST					T	T	4.8		1.0					
GREEN MOUNTAIN														
GREENBRIER														
GREENWOOD														
GURDON					T	T								
HAMPTON							2.0						2.0	
HARRISON														
HEBER SPRINGS 3 NE														
HECTOR														
HELENA							4.0		T				4.0	
HENDERSON 2 W										T	T			
HOPE														
HOPPER														
HORATIO														
HOT SPRINGS							2.3						2.3	

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1953-54

ARKANSAS
JUNE 1954

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
HUTTIG OAM													0	
INDEX													0	
JASPER					T	T	4.5						4.5	
JESSIEVILLE							-						-	
JONESBORO					T		1.6	T					1.6	
KEO							4.0						4.0	
LAKE CITY							-						-	
LANGLEY							2.5						2.5	
LEAO HILL							-						-	
LEE CREEK							-	T	T			T	-	
LEOLA							3.5						3.5	
LITTLE ROCK W8 AP							4.0				T		4.0	4.2
LITTLE ROCK FILTER PL							0						0	
LOST CORNER							6.0						6.0	
LOUANN 2 SE							T						T	
LURTON							-						-	
MADISON							3.5						3.5	
MAGNOLIA 3 N							0						0	
MALVERN							0						0	
MAMMOTH SPRING					1.5		-						-	
MARIANNA							3.8						3.8	
MARKED TREE							3.5	T					3.5	
MARSHALL							5.0						5.0	
MARVELL							5.5						5.5	
MELBOURNE					T	-	-						-	
MENA							-						-	
MONTICELLO							0						0	
MOROBAY L AND D NO 8					T		-						-	
MORRILTON							6.5	T					6.5	
MOUNT IOA							4.0						4.0	
MOUNT MAGAZINE							-	T					-	
MOUNTAIN HOME							1.5						1.5	
MOUNTAIN HOME C OF ENG							0						0	
MOUNTAIN VIEW							-	T					-	
MOUNTAINBURG 3 SSW					T	T	7.5						7.5	
MULBERRY							-	T				T	-	
NARROWS OAM							0						0	
NASHVILLE PEACH SUBSTA					T		-		T			T	-	
NATHAN							1.5						1.5	
NEWHOPE					T		-						-	
NEWPORT			T				5.3		T			T	5.3	
NIMROD OAM							-	T					-	
ODELL							10.0						10.0	
ODEN							2.5						2.5	
OKAY							.2						.2	
OSCEOLA							-						-	
OWENSVILLE					T	T	4.5			T			4.5	
OZARK							8.0	T		T			8.0	
PARAGOULO							T						T	
PARIS							-						-	
PARKIN							0						0	
PERRYVILLE							6.0						6.0	
PINE BLUFF							-	T					-	
PINE BLUFF CAA AP					T	T	4.0						4.0	
PINE RIDGE							-						-	
POCAHONTAS 1							.5		T				-	
PORTLAND					T		T		T				T	
PRESCOTT							-	T		T			-	
RATCLIFF							-					T	-	
RISON							1.0						1.0	
ROGERS					T		-	T		T			-	
RUSSELLVILLE		T					-						-	
SAINT CHARLES							4.5						4.5	
SAINT FRANCIS							1.0						1.0	
SEARCY							5.0					T	5.0	
SHERIDAN							-						-	
SHIRLEY							-						-	
SILGAM SPRINGS							-						-	
SPARKMAN		T			T	T	4.7	T	.1			T	4.8	
STAMPS							T			T			T	
STAR CITY 2 S							-						-	
STEVE							4.0						4.0	
STUTT GART							-						-	
STUTT GART 9 ESE							-						-	
SUBIACO							0						0	
SUGAR GROVE							-						-	
SUGAR LOAF MOUNTAIN							-						-	
TAYLOR							0						0	
TEXARKANA W8 AP							.6			T			.6	
TURNPIKE							-						-	
VIOLA							0						0	
WALDRON							-	T					-	
WALNUT GROVE							-						-	
WALNUT RIDGE CAA AP					T		.7	T		T			.7	
WARREN							T						T	
WASHITA							-						-	
WHITE ROCK							8.0						8.0	
WHITECLIFFS							0						0	
WILSON							-						-	
WYNNE							2.5						2.5	
YELLVILLE							-						-	

DAILY TEMPERATURES

ARKANSAS
JUNE 1954

Table 5

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	
ALUM FORK	MAX 87	86	85	78	82	85	87	90	94	92	95	97	96	97	90	90	95	96	95	95	95	95	95	98	98	99	99	100	100	91	92.7	
ARKADELPHIA	MAX 90	89	81	82	86	90	93	93	96	96	96	97	99	97	91	95	97	99	99	97	93	99	100	100	103	102	104	105	98	98	95.5	
ASHDOWN	MAX 89	89	84	81	83	86	92	92	92	92	94	94	96	96	93	94	94	96	95	93	93	97	99	100	99	98	100	100	98	96	93.5	
BALD KNOB	MAX 86	91	83	78	81	87	88	93	94	93	94	95	96	94	90	91	92	96	96	94	93	99	94	96	100	101	103	103	101	98	93.3	
BATESVILLE LIVESTOCK	MAX 88	89	91	70	79	82	85	89	95	96	95	96	99	100	96	92	94	96	95	97	98	98	101	93	97	101	103	104	103	99	94.0	
BATESVILLE L AND D NO 1	MAX 88	91	82	78	83	87	85	92	95	95	95	97	99	98	92	94	98	96	98	97	97	99	97	97	102	99	103	102	100	96	94.4	
BENTON	MAX 88	87	81	79	82	87	93	92	93	93	94	95	97	95	93	92	96	98	95	95	95	99	98	100	102	101	103	104	103	98	94.3	
BENTONVILLE	MAX 79	78	66	76	88	84	81	86	90	90	91	93	93	92	84	92	95	94	95	87	95	95	96	100	99	100	100	101	99	88	90.2	
BLYTHEVILLE	MAX 85	91	81	75	79	85	90	94	92	95	95	95	97	94	90	88	91	94	93	91	94	97	93	94	99	103	103	103	98	98	92.6	
BOONEVILLE	MAX 85	89	78	79	87	89	88	92	95	95	96	98	97	96	88	93	98	97	98	97	98	102	101	102	103	102	103	103	101	95	94.8	
BRINKLEY	MAX 88	89	87	79	84	87	91	93	94	93	95	96	96	94	91	92	94	96	95	93	94	98	96	97	100	103	104	103	101	100	94.1	
CAMOEN 1	MAX 94	91	92	79	82	88	93	88	95	99	98	99	100	101	99	96	97	98	101	99	99	100	101	100	103	104	103	105	106	98	96.9	
CAMP CHAFFEE	MAX 84	86	83	79	85	86	86	90	94	93	93	95	97	94	92	96	98	96	97	97	96	99	100	101	102	101	101	102	100	86	93.6	
CLARKSVILLE	MAX 90	89	72	79	83	86	86	91	95	94	92	95	95	93	89	91	95	95	95	99	95	98	97	98	101	100	100	101	102	93	93.0	
CONWAY	MAX 86	88	84	80	84	88	85	93	93	95	91	96	95	96	92	91	94	98	97	97	96	100	97	101	103	102	106	107	103	94	94.4	
CORNING	MAX 89	81	89	78	79	80	87	86	90	93	95	94	95	96	95	90	92	94	95	96	95	96	97	92	95	99	102	102	101	98	92.4	
CROSSETT	MAX 91	90	87	79	82	88	93	93	93	94	95	97	96	93	91	93	94	93	94	92	95	96	98	97	99	98	99	101	96	99	93.5	
CUMMINS FARM	MAX 88	89	85	78	82	88	92	92	94	94	95	97	96	93	91	93	91	94	92	92	94	96	96	97	99	100	102	102	100	96	93.3	
DARONELLE	MAX 85	87	80	77	82	85	86	90	94	92	93	93	96	94	90	92	95	97	96	95	95	97	94	96	100	101	100	102	100	92	92.5	
DE QUEEN	MAX 87	86	77	78	84	86	89	90	97	91	93	92	95	94	87	95	95	97	96	95	94	98	99	100	99	99	101	100	97	97	92.9	
DES ARC	MAX 91	86	91	72	78	82	87	90	94	95	95	95	97	98	95	92	92	95	96	95	95	95	99	96	98	101	103	104	105	104	93.9	
DEVILS KNOB	MAX 80	80	69	74	76	79	78	83	87	85	88	89	89	87	82	88	89	91	90	89	94	92	95	96	96	97	96	97	88	87	87.1	
DUMAS 1	MAX 92	92	83	80	85	89	94	97	98	97	98	100	97	95	95	99	95	95	96	99	101	100	98	102	105	105	105	105	102	99	96.3	
EL OORAOO CAA AP	MAX 89	90	78	79	84	89	92	91	93	94	95	97	99	95	94	90	94	98	94	95	94	96	97	100	101	100	102	101	89	98	93.6	
EUREKA SPRINGS	MAX 80	80	75	73	81	82	82	86	89	89	89	91	92	90	84	90	92	95	94	93	93	94	94	98	100	99	101	101	100	88	89.8	
FAYETTEVILLE	MAX 79	79	67	75	82	84	82	86	91	90	91	91	93	90	84	92	93	95	95	93	93	95	97	98	100	98	99	101	99	85	90.0	
FAYETTEVILLE CAA AP	MAX 79	80	64	74	82	83	83	85	90	88	90	90	91	89	83	90	91	94	93	92	92	95	96	95	98	97	98	100	100	87	89.0	
FAYETTEVILLE EXP STA	MAX 79	79	75	75	82	84	80	85	90	89	91	92	93	90	85	91	93	96	93	91	92	96	95	97	98	99	100	100	102	85	89.9	
FLIPPIN CAA AP	MAX 80	88	64	76	82	86	86	89	93	94	94	94	96	96	90	91	96	99	98	97	96	96	92	97	103	102	102	103	103	93	92.5	
FOROYCE	MAX 80	88	64	76	82	86	86	89	93	94	94	94	96	96	90	91	96	99	98	97	96	96	92	97	103	102	102	103	103	93	92.5	
FORT SMITH W8 AP	MAX 84	86	71	78	86	88	85	90	95	93	95	96	98	95	87	97	98	95	96	96	97	99	100	100	102	100	102	101	100	85	93.2	
GILBERT	MAX 82	88	80	76	81	85	86	88	94	93	93	94	96	95	89	94	96	99	98	97	96	100	95	99	103	104	105	104	103	97	93.7	
GRANNIS	MAX 84	82	75	76	79	81	85	86	87	88	87	90	92	89	82	90	90	93	93	93	96	97	96	96	97	98	94	94	95	96	97	88.2
GRAYETTE	MAX 78	77	65	74	82	83	84	85	89	88	90	91	91	91	89	92	94	96	97	95	95	96	98	100	100	101	102	102	102	87	90.4	
GREEN MOUNTAIN	MAX 84	80	84	65	76	78	82	82	82	86	90	91	92	95	94	91	92	90	98	92	90	88	92	96	98	92	96	98	99	98	88.8	
HARRISON	MAX 80	85	76	77	84	83	83	89	92	92	91	94	94	93	88	92	95	95	95	93	93	94	92	99	100	102	101	101	100	92	91.6	
HELENA	MAX 89	88	85	78	82	88	92	94	95	95	97	98	96	94	91	88	95	97	95	93	95	98	96	97	100	102	102	106	103	101	94.3	
HOPE	MAX 88	88	88	75	79	88	87	91	90	92	91	93	95	92	91	93	94	94	96	93	92	96	98	99	100	99	100	99	100	95	92.0	
HOT SPRINGS	MAX 88	87	80	80	84	88	90	91	93	94	95	95	94	96	89	92	95	98	97	97	95	100	97	101	101	101	105	105	101	96	94.2	

DAILY TEMPERATURES

ARKANSAS
JUNE 1954

Table 5 - 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			
STUTT GART 9 ESE	MAX	92	88	90	74	79	82	88	92	94	95	96	96	95	92	92	92	95	93	93	95	97	95	97	99	101	102	103	102				93.3	
	MIN	69	62	58	52	51	59	62	69	68	69	64	66	67	68	68	71	68	70	69	69	68	69	73	69	68	73	71	72	74	67			66.8
SUBIACO	MAX	84	87	79	79	86	88	89	90	95	95	96	96	98	96	88	91	96	98	98	98	97	101	99	102	105	102	103	104	103	97			94.7
	MIN	58	64	55	51	53	61	64	61	68	67	66	68	65	69	73	66	71	72	70	69	70	70	71	73	73	74	73	74	73	69			67.0
TEXARKANA WB AP	MAX	88	87	75	79	83	87	91	90	91	90	91	94	95	92	87	92	93	94	95	94	92	94	96	98	97	97	98	99	95	95			91.6
	MIN	69	67	58	54	61	64	72	67	71	69	71	71	69	75	72	74	73	74	71	72	71	72	75	74	76	75	74	74	70	70			70.2
TURNPIKE	MAX	79	78	69	72	73	78	80	81	81	83	85	85	88	85	80	82	87	87	89	86	86	90	89	91	93	94	96	94	96	87			84.8
	MIN	52	51	47	49	53	56	59	60	61	63	65	65	67	66	65	67	66	65	63	65	64	69	65	64	70	69	72	73	74	75	76	64	62
WALORON	MAX	87	37	85	93	85	86	87	90	94	93	95	96	97	96	90	96	97	98	98	97	97	102	102	102	102	102	103	103	103	93			95.2
	MIN	60	63	56	69	50	50	72	64	67	64	62	63	60	64	70	65	65	68	67	67	64	65	72	72	69	68	66	68	67	69			64.9
WALNUT RIDGE CAA AP	MAX	80	90	68	75	80	86	86	92	94	95	94	97	97	95	91	92	95	94	95	95	95	98	94	94	99	100	101	101	99	97			92.2
	MIN	64	61	56	52	52	62	65	66	65	65	68	68	70	71	73	70	69	73	71	72	74	72	71	64	68	75	75	77	75	71			67.8
WARREN	MAX	91	90	83	81	83	89	93	94	95	94	95	98	97	96	97	94	95	96	95	94	95	98	96	98	100	98	100	101	98	98			94.4
	MIN	74	69	64	52	54	68	70	72	72	73	67	72	69	67	72	73	72	72	72	68	68	72	71	72	74	74	74	75	75	68			69.8
WHITE ROCK	MAX	78	74	69	72	76	78	75	80	85	85	86	87	87	86	79	83	88	88	88	87	87	90	89	91	93	91	94	96	97	85			84.8
	MIN	53	63	50	47	57	59	62	60	68	68	69	70	68	71	68	66	68	70	71	69	71	71	70	71	71	70	75	73	75	74	67	65	
WILSON	MAX	87	92	87	76	74	87	92	92	96	95	98	97	98	96	92	91	96	97	96	95	96	98	97	94	98	103	103	101	99	98			94.0
	MIN	59	61	60	53	50	61	64	72	72	71	66	68	61	71	72	72	71	71	71	69	71	71	62	63	74	77	79	77	76				67.9
WYNNE	MAX	84	89	82	75	78	85	90	93	93	93	95	95	97	92	90	91	93	95	95	94	97	94	96	99	102	103	105	98	99				92.9
	MIN	71	64	60	51	53	63	68	73	68	66	64	66	68	74	72	73	71	73	72	68	71	71	72	68	61	74	71	74	71	69			68.0

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total Evap or Wind		
	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			
BLAKELY MTN DAM	EVAP	-	.31	.29	.28	*	*	.93	.15	.31	.38	.37	*	*	.97	.34	.28	.30	.27	*	*	.99	.36	.34	.30	.33	*	*	1.17	.43	.15			9.578
	WIND	-	.46	1.08	.75	*	*	.240	.51	.54	.80	.63	*	*	1.38	.54	.70	.60	.45	*	*	1.38	.53	.44	.46	.36	*	*	1.41	.47	.50			16.968
HOPE	EVAP	-	.24	.18	.31	.22	*	.43	.19	.13	.25	.24	.21	.43	*	.24	.16	.13	.25	.20	*	.42	.31	.28	.24	.29	.31	*	.62	.34	-			7.098
	WIND	.38	.13	.32	.74	.24	*	.67	.20	.11	.15	.7	.7	.8	*	.12	.14	.11	.6	.7	*	.15	.6	.12	.13	.8	.6	*	.21	.13	.22			4.82
MOUNTAIN HOME C E	EVAP	.24	.19	.19	.09	.23	.25	.21	.22	.15	.30	.29	.28	.31	.30	.31	.31	.19	.26	.29	.31	.33	-	-	.32	.35	.27	.32	.31	.32	.25			7.928
	WIND	.5	.18	.56	.54	.28	.43	.64	.41	.11	.37	.25	.31	.22	.16	.36	.34	.26	.22	.22	.20	.25	.33	.40	.27	.23	.17	.20	.18	.17	.30			8.61
NARROWS DAM	EVAP	.34	.26	.24	.31	.25	.33	.26	.19	.27	.36	.30	.34	.33	.31	.31	.24	.30	.30	.22	.39	.35	.22	.41	.34	.35	.21	.42	.27	.45	.22			9.09
	WIND	.61	.21	.46	.52	.16	.54	.48	.40	.15	.31	.27	.25	.20	.18	.33	.27	.30	.27	.26	.18	.32	.24	.20	.25	.14	.15	.19	.15	.17	.33			8.49
NIMROD DAM	EVAP	.27	.17	-	*	.75	.27	.16	.24	.16	.43	.27	.35	.32	.22	.33	.27	.17	.24	.23	.27	.30	.30	.29	.29	-	-	.28	.34	.29	.31			8.368
	WIND	.46	.29	.86	.50	.17	.38	.55	.40	.10	.15	.45	.5	.5	.5	.20	.24	.9	.10	.9	.13	.10	.27	.2	.13	.27	.13	.25	.18	.18	.19			7.03
RUSSELLVILLE	EVAP	.20	.20	.23	.16	*	.48	.16	.21	.34	.26	.32	.23	.23	.20	.28	.16	.30	.20	.25	.24	.24	.25	.30	.24	.33	.30	.31	.20	.39	.12			7.33
	WIND	.23	.15	.46	.21	*	.42	.9	.11	.11	.11	.10	.7	.10	.12	.14	.10	.16	.13	.17	.12	.10	.9	.14	.13	.11	.8	.8	.10	.9	.7			4.09
STUTT GART 9 ESE	EVAP	.40	.35	.20	.27	.28	-	-	.23	.32	.26	.30	.23	.27	.19	.22	.36	.10	.21	.14	.23	.25	.31	.28	.25	.24	.26	.32	.23	.23	.34			7.798
	WIND	.134	.49	1.03	.17	1.12	.88	.90	.85	.69	.68	.41	.36	.28	.41	.47	.73	.58	.26	.16	.25	.24	.40	.38	.19	.15	.19	.37	.25	.26	.39			14.88

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1953-54

ARKANSAS
JUNE 1954

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	NORMAL JULY-JUNE
ALUM FORK	0	0	2	111	433	688	683	359	402					
ARKADELPHIA	0	0	0	59	380	662	580	304	342	38	68	0	2433	
ASHOWN	0	0	2	106	481	667	539	335	348	37	63	0	2574	
BALD KNDB	0	0	4	122	471	751	743	385	427	69	77	2	3051	
BATESVILLE L AND D ND 1	0	0	8	151	503	771	774	461	481	82	104	0	3335	
REE BRANCH														
BENTON	0	0	8	107	456	734	642	387	425	58	92	1	2910	
BENTONVILLE	1	0	16	186	584	855	924	539	633	107	177	12	4034	
BLYTTEVILLE	0	0	3	95	403	717	727	413	438	67	64	0	2927	
BOONEVILLE	0	0	5	100	438	695	748	386	439	53	115	3	2982	
BRINKLEY	0					689	661	344	394	62	66	0		
CAMP CHAFFEE	0	0	5	102	460	701	791	401	446	57	99	1	3063	
CLARKSVILLE	0	0	2	99	474	731	789	407	436	64	87	0	3089	
CONWAY	0	0	4	88	406	681	699	351	371	47	70	0	2717	
CROSSETT	0	0	1	73	392	623	509	287	321	36	66	0	2308	
CUMMINS FARM	0		9			0	602	321	378	50	70	0		
QARDANELLE	0	0	3	89	431	698	731	355	401	49	75	0	2802	
DE QUEEN	0	0	0	82	428	679	607	374	383	52	86	2	2693	
DEVILS KNOR	5	0	9	131				445	543	96	148	10		
DUMAS 1	0	0	5	94	387	671	585	308	352	48	66	0	2516	
EL DORADO CAA AP	0	0	0	75	399	651	548	306	327	37	74	0	2417	
EUREKA SPRINGS	0	0	8	162	474	730	804	422	536	81	153	6	3376	
FAYETTEVILLE	0	0	7	151	528	775	829	461	536	77	151	9	3524	
FAYETTEVILLE CAA AP	2	0	17	192	578	837	871	542	604	104	184	12	3943	
FAYETTEVILLE EXP STA	1	0	13	170	549	816	876	501	583	93	179	9	3790	
FLIPPIN CAA AP	0	0	13	157	526	798	857	491	563	85	135	6	3631	
FDRDYCE	0	0	1	77	369	635	571	289	333	48	100	0	2423	
FORT SMITH WR AP	0	0	4	113	462	758	794	419	476	54	101	2	3183	3188
GILBERT														
GRANNIS	1	0	1	87	430	709	650	344	426	62	123	5	2815	
GRAVETTE	0	0	8	152	521	797	867	500	593	95	160	12	3705	
HARRISON	0	0	19	183	506	748	811	453	518	80	130	3	3451	
HELENA	0	0	2	84	401	681	620	332	355	47	53	0	2575	
HDT SPRINGS	0	0	0	59		646		590	275	352	34	76	0	
JONESBORD	0	0	6	120	421	736	760	384	439	69	85	1	3021	
KEO	0	0	7	106	435	702	673	358	393	56	73	1	2804	
LEAD HILL	0	0	14	158	544	795	854	519	543	90	147	7	3671	
LITTLE ROCK WR AP	0	0	0	86	415	701	712	372	395	51	68	0	2800	2982
MAGNOLIA 3 N	0	0	0	77	400	633	497	280	328	34	74	0	2303	
MALVERN	0	0	0	73	397	660	589	318	350	38	64	0	2409	
MAMMOTH SPRING	0	0	19	173	556	878								
MARSHALL	0	0	12	141	485	757	785	439	483	65	133	4	3304	
MENA	0	0	0	85	418	718	667	355	435	55	110	0	2843	
MONTECELLO	0	0	1	85	400	625	535	308	318	63	74	0	2409	
MORRILTON	0	0	6	98	443	709	719	376	401	56	78	0	2886	
MOUNT MAGAZINE	10	0		198	601	931	929	601	700	186	220	24		
MOUNTAIN HOME	0	0	12	132	480	763	847	465	529	79	125	3	3435	
MOUNTAINBURG 3 SSW	2	0	7	138	530	790	828	479	510	79	130	3	3496	
NARROWS OAM			3	85	407	713	644							
NEWPORT	0	0	6	115	452	734	753	387	441	64	67	0	3019	
NIMROD OAM	0	0	5	83	453	747	709							
OKAY	0	0	1	76	392	642	516	275	326	34	61	0	2323	
OZARK	0	0	1	94	432	702		368	424	56	87	1		
PARAGOULO	0	0	18	145	508	758	779	423	485	84	96	2	3298	
PARIS	0	0	2	83	419	700	766	360	423	52	82	0	2887	
PERRYVILLE	0	0	3	86	412	695	686	363	383	53	74	0	2755	
PINE BLUFF	0	0	0	76	359	640	589	292	313	31	51	0	2351	
PINE BLUFF CAA AP	0	0	4	97	419	705	660	357	379	60	74	0	2755	
POCAHONTAS 1	0	0	6	135	468	778	815	440	505	80	112	6	3345	
ROGERS	0	0	0	146	489	769	829	457	553	77	136	10	3466	
RUSSELLVILLE	0	0	5	93	452	706	766	381	423	58	86	0	2970	
SEARCY	0	0	3	121	470	778	768	417	458	66	74	0	3155	
SHERIDAN	0	0	1	34			601			63		0		
SILOAM SPRINGS	1	0	3	145	516	746	845	467	546	87	157	8	3521	
STUTTART	0	0	1	84	370	678	625	318	351	44	56	0	2527	
SUBIACO	0	0	0	79	408	696	757	355	423	56	98	0	2802	
TEXARKANA WR AP	0	0	0	74	370	635	556	284	337	32	67	0	2355	
TURNPIKE					604	879	895	583	625	154		13		
WALORON	0	0	7	114	496	717	729	398	453	61	110	0	3085	2362
WALNUT RIDGE CAA AP	0	0	10	137	485	767	839	464	521	91	95	4	3413	
WARREN	0	0	5	85	410	679	580	294	333	39	62	0	2487	
WHITE ROCK	6	0	2	136	493	840	839	471	560	91	137	10	3585	
WILSON	0	0	11	149	415	702	751	391	450	51	72	3	2495	
WYNNE	0	0	4	126	467	739	759	399	433	69	98	2	3096	

DEGREE DAY NORMALS IN THIS TABLE ARE DERIVED FROM THE PERIOD 1921-1950.

CLIMATOLOGICAL DATA

ARKANSAS
DELAYED DATA

TABLE 2

Station	Temperature										Precipitation																									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days															
										30° or more above	31° or below	32° or below	0° or below					Total	Max. Depth on Ground	Date	.18 or More	.50 or More	1.00 or More													
																								Max.	Min.											
MARCH 1954 WILSON	62.5	38.1M	50.3M	- 1.5	78	12	22	5	450	0	0	8	0					0.0	0																	

DAILY PRECIPITATION

Table 3

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				
OCTOBER 1953 LOUANN	1.07																																			1.07
FEBRUARY 1954 EAGLE GAP MELBOURNE	2.39															.23	1.56					.60													.85	
MARCH 1954 EAGLE GAP MELBOURNE WILSON	1.71			.14																	.25				.16		1.16								1.85	2.20

DAILY TEMPERATURES

Table 5

Station	MAX 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	31		
MARCH 1954 WILSON		54	62	43	52	46	52	66	63	70	72	76	78	77	49	49	58	62	67	66	66	55	50	52	78	78	60	69	72	75	70	50	50	62.5
		27	35	28	24	22	29	34	40	40	47	49	49	49	27	22	25	33	34	44	44	38	36	42	42	48	50	50	53	55	35	35	38.1	

STATION INDEX

ARKANSAS
JUNE 1954

Table with columns: Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp., Precip., Observ. time, Observer, Refer to tables. Contains station data for Arkansas.

NEW STATIONS

DRAINAGE CODE: 1. ARKANSAS 2. MISSISSIPPI 3. OUCHITA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the 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).

T Trace, an amount too small to measure.

V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

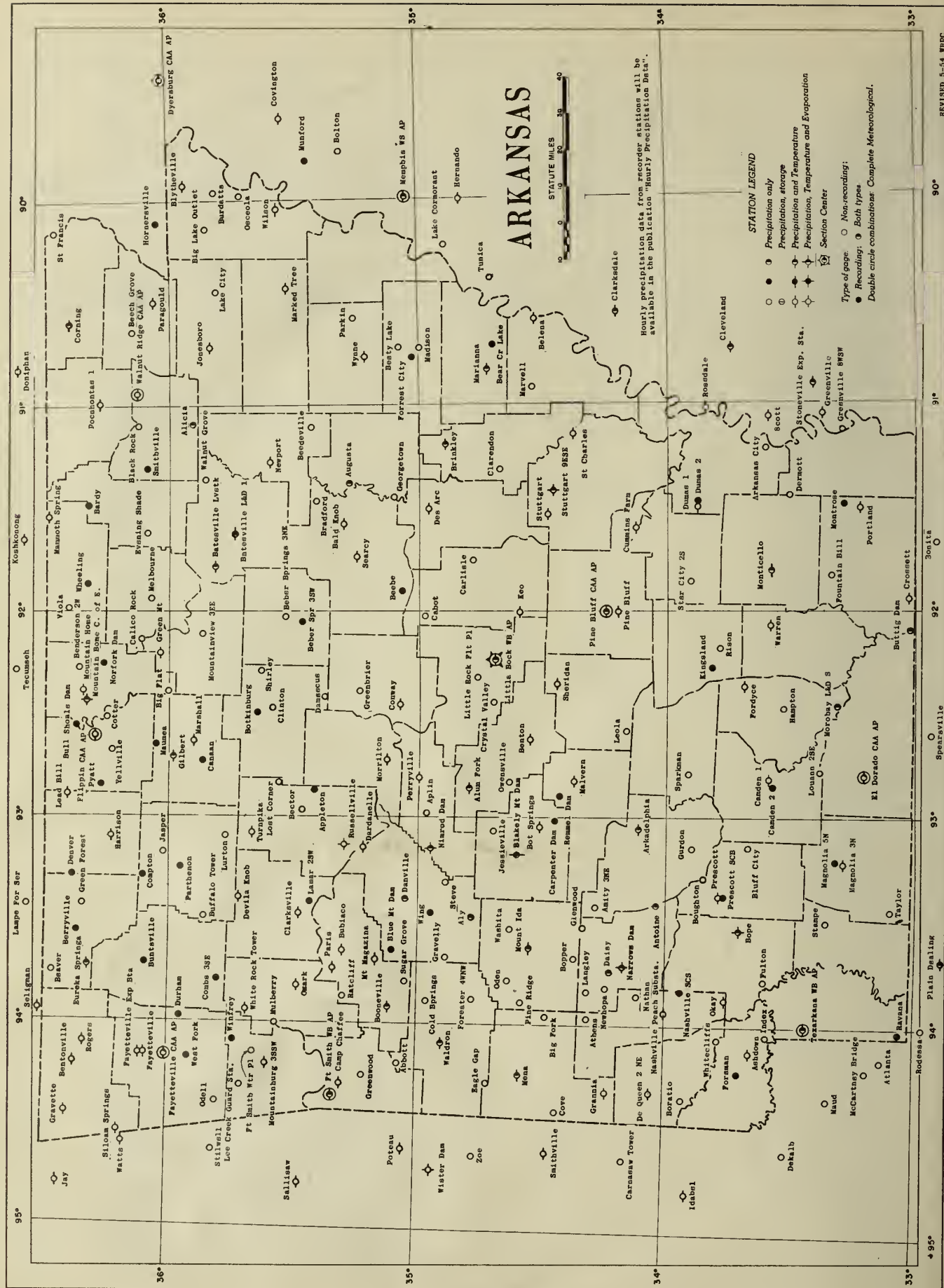
WRPC, KANSAS CITY, MO. -- 8-16-54 -- 1005

CORRECTIONS

April 1954: Des Arc, Table 2, high should be 89 on the 28th.

Mountainburg 3 SSW, Table 2, high date should be 5+.

Wynne, Table 2, greatest day should be 1.06 on the 27th.



551.05
UNAR
V.597

Not used

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
SEP 23 1954
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

JULY 1954

Volume LIX No. 7

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03



KANSAS CITY: 1954

PRICE OF PUBLICATION
\$300.

NAT.
HIST.

ARKANSAS - JULY 1954

Walter C. Hickmon, Section Director - Little Rock, Arkansas

WEATHER SUMMARY

Hot, dry, weather, which prevailed in June, continued through July. July 1954 was the hottest month on record in the State. The monthly average temperature was 85.8°, which is 5.3 above normal--5.6° hotter than July a year ago, and 0.3° higher than any previous month of record. The previous hottest month was July 1934 with an average temperature of 85.5°.

Temperatures at all stations in the State averaged from 2° to 8° above normal. Temperatures of 103° or higher were recorded at all stations, and about half the stations recorded monthly highs of between 110° and 116°. The highest temperature recorded anywhere in the State during the month was 116° at Ozark on the 13th, equaling the all-time high temperature record for July, established at Jonesboro on July 12, 1901.

It was hot throughout the month, although there was some slight moderation on the 10-11th, and again on the 29th. The lowest temperature for the month was 53° at Batesville Livestock Experiment Station on the 10th.

Rainfall over the State averaged 1.55 inches, which is 2.19 inches below, or 41% of the normal. It was the driest July since 1947, and the sixth driest of record. Monthly precipitation totals ranged from 5.14 inches at Ashdown to 0.03 inch at Dardanelle. All precipitation occurred in the form of showers, principally on the 18-19th, 22-25th, and 30th. Most of these showers were light, although a few areas received amounts ranging from two to more than three inches. Greatest daily rainfall reported was 3.54 inches at Pine Bluff C.A.A. Airport on the 18th, and 3.41 inches at Hope on the 19th.

The heat together with deficient rainfall caused severe damage to corn, soybeans, pastures, hay, and vegetable crops. The feed crop situation was serious. While cotton generally made good progress, the crop was beginning to suffer in some areas by the close of the month. Forests were extremely dry; the fire hazard became increasingly critical. Livestock and poultry suffered. Many chickens died as a result of the heat. Water shortages became more general. Showers that occurred provided only temporary relief in local areas.

SEVERE STORM DATA

Property losses from severe local storms during the month totaled \$183,460. Included in the total were wind losses estimated at \$86,660; hail damage of \$3,500 to property and \$39,200 to crops; tornado damage of \$5,000; and, losses caused by lightning estimated at \$49,100.

One fatality was reported when a woman standing near a clothesline in Foreman was killed by lightning on July 19th. Three persons were injured as a result of windstorms.

Two tornadoes were reported. The first occurred at 6:30 p.m. on July 8th in the Haw Creek community, west of Waldron, Arkansas. The second occurred at 5:30 p.m. on the 19th at Kingsland.

The most damaging hailstorm of the month occurred northwest of Nashville on the evening of the 13th when \$3,000 hail damage to buildings, and \$25,000 damage to row crops and peaches was reported. In this storm there was also \$2,000 wind damage to buildings.

In the Pine Bluff area on the 18th crop damage by hail was estimated at \$5,000. Damage due to lightning striking several houses, was estimated at \$40,000.

On the afternoon of the 24th at Beebe, winds estimated at 90 m.p.h., continued for about 30 minutes and damaged practically every section of the town. Losses were estimated at \$40,000.--MOA

SUPPLEMENTAL DATA

ARKANSAS
JULY 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	21	7.5	37	NE	5	65	75	37	36	2	3	4	0	0	0	9	77	4.5
LITTLE ROCK WB AIRPORT	SW	17	8.7	29	S	18	68	74	44	48	1	1	3	1	0	0	6	79	4.7
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	81	48	51	6	1	1	1	1	0	10	-	5.2

COMPARATIVE DATA

JULY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall	
1891	76.5	103	50	7.24	0	1916	82.8	106	55	2.09	0	1941	81.2	105	53	4.82	0	
1892	79.0	104	52	3.58	0	1917	79.6	106	50	5.10	0	1942	81.1	105	53	1.39	0	
1893	80.9	103	59	2.94	0	1918	79.6	111	49	1.53	0	1943	82.9	110	47	1.13	0	
1894	78.4	108	51	3.98	0	1919	81.2	104	54	1.91	0	1944	81.2	108	49	2.61	0	
1895	78.9	104	55	7.34	0	1920	79.8	105	52	4.22	0	1945	78.1	106	45	3.94	0	
1896	83.4	110	52	1.61	0	1921	82.0	107	54	2.42	0	1946	80.8	106	51	3.94	0	
1897	82.4	109	50	3.25	0	1922	80.2	106	48	4.12	0	1947	78.3	109	41	1.25	0	
1898	79.9	105	50	4.25	0	1923	79.9	105	48	3.53	0	1948	80.5	105	51	4.11	0	
1899	79.0	100	52	5.14	0	1924	79.0	110	40	2.35	0	1949	81.1	102	53	4.32	0	
1900	79.7	102	51	4.46	0	1925	81.8	109	47	4.99	0	1950	76.8	99	53	7.10	T	
1901	83.7	116	50	2.49	0	1926	79.8	109	42	3.55	0	1951	80.5	104	51	5.83	0	
1902	79.4	105	50	4.49	0	1927	79.6	104	49	4.25	0	1952	82.4	109	50	2.51	0	
1903	79.6	105	53	3.86	0	1928	80.3	102	52	3.66	0	1953	80.2	109	49	4.65	0	
1904	77.9	104	49	4.43	0	1929	81.2	105	51	3.07	0	1954	85.8	116	53	1.55	T	
1905	76.7	106	51	7.60	0	1930	84.7	115	42	0.74	0	All Years	80.6			3.74	T	
1906	76.7	99	48	5.96	0	1931	81.0	106	48	6.00	0							
1907	81.4	108	53	1.96	0	1932	82.5	108	50	5.00	0							
1908	79.2	103	48	3.00	0	1933	81.4	109	55	5.01	0							
1909	81.9	106	50	2.51	0	1934	85.5	112	57	1.66	0							
1910	79.4	105	41	5.46	0	1935	82.2	107	53	2.32	0							
1911	78.4	106	43	4.83	0	1936	83.3	114	42	4.90	0							
1912	81.3	104	56	2.82	0	1937	80.4	106	52	3.71	0							
1913	81.5	104	55	4.31	0	1938	82.0	109	59	3.74	0							
1914	82.6	107	54	2.69	0	1939	82.0	110	55	3.34	0							
1915	77.1	107	43	2.40	0	1940	78.4	103	48	4.14	0							

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JULY 1954

Table 5 - 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	
STUTT GART 9 ESE	MAX	95	100	100	99	94	100	100	100	99	94	96	98	100	103	101	103	103	102	105	82	92	93	97	100	102	93	94	94	95	95	94	97.5
	MIN	70	72	72	72	70	70	71	75	72	61	63	62	73	75	75	74	73	77	70	70	70	70	73	73	68	67	68	68	68	67	68	70.2
SUBIACO	MAX	102	105	103	102	105	99	105	104	101	107	110	113	112	110	111	109	107	93	100	105	107	102	107	98	99	102	101	106	97	97	104.0	
	MIN	70	73	75	74	75	70	73	70	73	79	74	80	83	83	78	76	78	74	69	74	79	78	73	72	70	71	71	68	71	71	74.2	
TEXARKANA WB AP	MAX	99	98	92	93	99	101	98	101	100	100	102	102	101	99	100	104	105	103	95	94	98	100	100	105	98	96	98	96	93	88	96	98.5
	MIN	74	75	74	76	74	74	73	74	71	75	77	76	77	78	76	76	76	78	72	74	77	78	78	77	75	74	74	73	71	74	74	75.0
TURNPIKE	MAX	92	95	94	93	96	90	94	92	91	92	96	100	106	103	103	101	103	102	90	95	97	100	93	97	90	90	96	93	94	89	90	95.4
	MIN	76	71	71	70	61	70	73	74	77	68	71	77	83	77	79	78	77	73	71	68	73	73	74	73	68	67	70	71	70	67	69	72.3
WALORON	MAX	100	101	97	97	102	100	102	103	100	104	105	107	110	108	108	109	108	107	95	95	105	105	103	108	98	98	100	99	100	97	98	102.2
	MIN	67	68	71	68	68	67	68	70	69	71	70	70	71	74	73	72	70	73	71	68	71	73	75	69	71	67	66	67	62	68	72	59.7
WALNUT RIDGE CAA AP	MAX	100	102	100	100	103	100	104	90	91	94	100	105	107	106	97	96	96	108	101	98	98	96	97	95	92	93	94	96	98	97	95	98.4
	MIN	77	74	75	74	74	68	75	70	66	68	73	67	77	78	76	76	78	80	71	73	76	76	76	78	73	70	71	69	69	72	71	72.3
WARREN	MAX	102	98	98	100	101	104	101	101	98	99	102	104	104	104	104	108	105	106	92	94	98	98	101	106	99	98	97	96	93	96	96	100.1
	MIN	77	74	75	74	74	68	75	70	66	68	73	67	77	78	76	76	78	80	71	73	76	76	76	78	73	70	71	69	69	71	70	73.6
WHITE ROCK	MAX	91	94	90	91	97	91	96	96	89	92	98	102	106	105	104	104	101	105	94	94	98	100	95	97	90	88	90	90	90	87	89	95.3
	MIN	73	73	73	72	74	69	73	69	68	69	72	76	79	80	78	74	76	77	73	68	68	76	64	76	69	70	71	70	70	68	68	72.1
WILSON	MAX	100	104	99	97	100	104	102	98	91	94	100	102	106	103	102	99	101	105	102	96	96	93	93	94	94	93	93	96	97	98	97	98.4
	MIN	70	70	78	78	74	76	72	72	67	59	67	77	79	78	77	78	72	67	70	71	71	72	75	74	71	69	69	68	68	69	69	71.7
WYNNE	MAX	101	104	98	100	103	101	101	97	92	93	99	103	108	102	106	99	97	106	92	94	98	99	98	99	102	93	96	95	96	97	94	98.8
	MIN	71	69	72	74	74	69	74	78	72	60	69	70	77	78	78	76	71	78	72	72	75	76	79	70	78	68	71	72	67	71	70	72.6

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total to 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	
BLAKELY MOUNTAIN DAM	EVAP	.23	.29	*	*	*	1.30	.34	.45	.28	*	*	.99	.41	.48	.43	.51	*	*	1.61	.11	.27	.48	.47	*	*	.75	.38	.36	.33	.34	.20	11.01
	WIND	31	30	*	*	*	178	*	100	49	*	*	107	34	72	90	68	*	*	142	39	72	83	80	*	*	101	47	51	46	59	76	1555
HOPE	EVAP	-	.25	.24	*	*	.79	.31	.33	.17	.45	*	.70	.35	.34	.36	.33	.33	*	.70	-	-	.34	.23	.37	*	.45	.37	.29	.39	.25	.08	9.328
	WIND	4	3	6	*	*	44	4	11	17	17	*	21	9	16	15	19	14	*	*	51	16	18	14	10	*	43	38	33	26	37	12	502
MOUNTAIN HOME C OF ENG	EVAP	.21	.28	.37	.37	.37	.22	.34	.39	.26	.33	-	-	.44	.46	.43	.35	.40	.19	.31	.25	.33	.29	.30	.27	.29	.34	.37	.31	.37	.31	-	10.138
	WIND	12	18	22	37	22	55	16	74	26	37	28	22	21	40	20	43	89	26	*	*	*	134	29	35	33	40	29	38	27	63	1036	
NARROWS DAM	EVAP	.38	.29	.35	.35	.29	.40	.38	.41	.22	.25	.33	.36	.38	.42	.30	.42	.41	.20	.50	.15	.22	.41	.43	.29	-	.24	.34	.40	.37	.42	.13	10.378
	WIND	22	20	30	26	23	25	22	33	25	26	22	16	20	43	32	33	33	31	38	19	43	37	37	37	32	32	40	33	31	54	42	957
NIMROD DAM	EVAP	.06	.28	.27	.27	.27	.43	.30	.42	.29	.29	.33	.38	.38	.40	.41	.47	.32	.30	.38	.10	.31	.24	.36	.18	.31	.26	.32	.35	.35	.34	.22	9.59
	WIND	11	14	24	27	22	36	20	40	37	18	11	3	22	28	31	49	12	16	32	11	20	23	21	11	12	6	18	30	40	18	37	700
RUSSELLVILLE	EVAP	.20	.33	.24	.17	.34	.28	.33	*	.37	.36	.37	.32	.34	.36	.48	.36	*	.68	.22	.16	.25	.25	.29	.26	.29	.33	.38	.30	.35	.32	.25	9.18
	WIND	10	10	12	11	13	22	12	*	28	22	14	11	13	19	27	15	*	25	19	14	16	15	17	15	20	24	26	28	25	29	18	530
STUTT GART 9 ESE	EVAP	.19	.27	.16	.19	.32	.31	.28	.33	.21	.30	.29	.26	.27	.41	.47	.37	.30	.22	.37	.09	.12	.31	.31	.19	.20	.30	.27	.20	.29	.23	.29	8.32
	WIND	15	20	48	23	23	26	32	70	43	21	11	15	18	85	99	58	16	35	57	30	41	8	100	40	49	6	26	26	45	42	67	1195

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

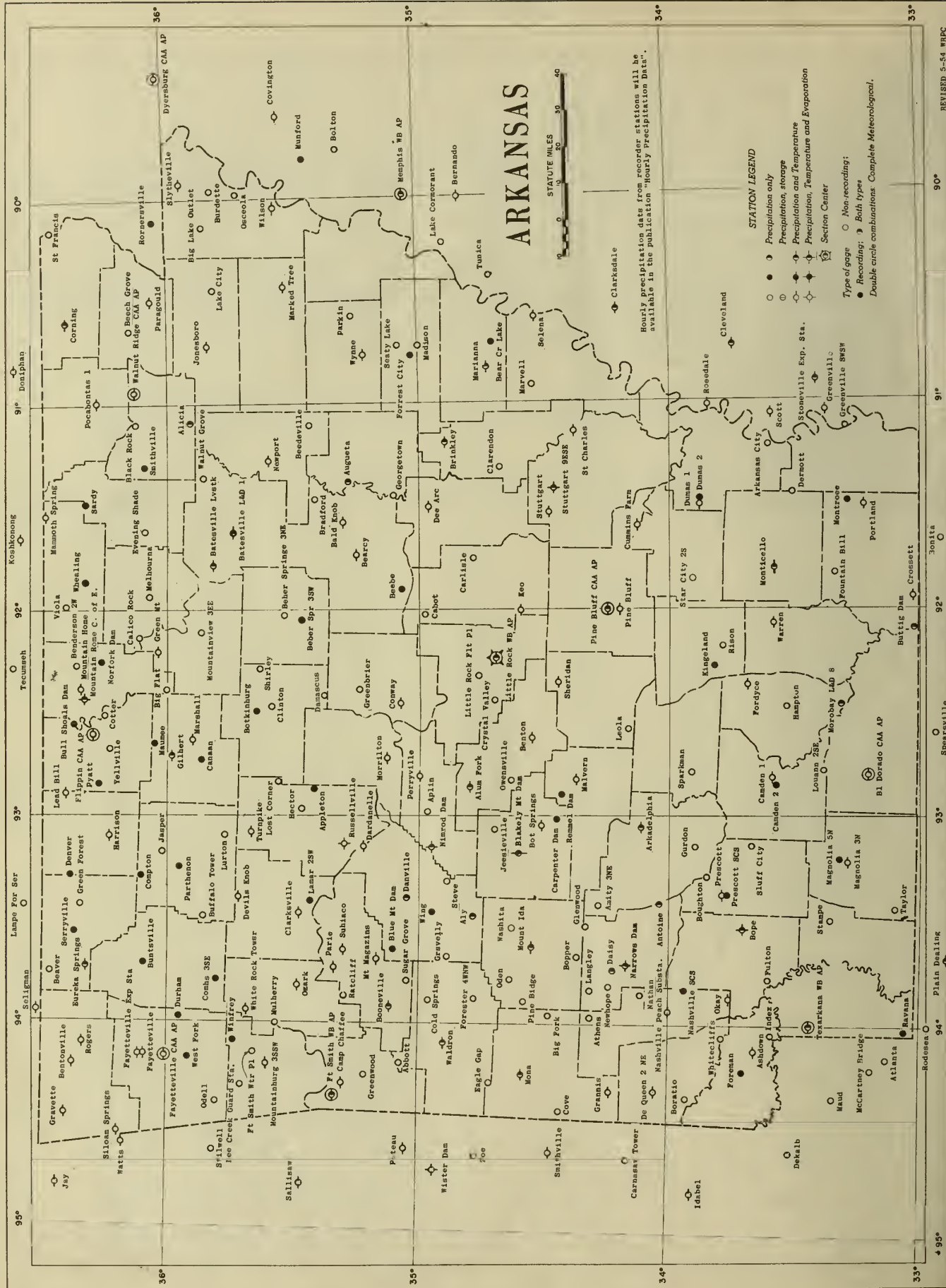
T Trace, an amount too small to measure.

V Includes total for previous month.

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

Subscription Price: 15 cents per copy; monthly and annual, \$1.50 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.

WRPC, KANSAS CITY, MO., -- 9-9-54 -- 1005



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
- Precipitation and storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gage ○ Non-recording;
● Recording; ○ Both types
- Double circle combinations: Complete Meteorological.

551.05
UNAR
V.59⁸

next sheet

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
OCT 15 1954
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

AUGUST 1954
Volume LIX No. 8

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U.S. Department of Commerce
WEATHER BUREAU
Kansas City 9, Mo.
OFFICIAL BUSINESS
Permit No. 1024



Penalty for private
use to avoid pay-
ment of postage
\$300.

KANSAS CITY: 1954

~~WAT.~~
~~POST.~~

ARKANSAS - AUGUST 1954

Walter C. Hickmon, Section Director - Little Rock

WEATHER SUMMARY

Extremely hot, dry weather in August 1954 culminated one of the hottest and one of the driest summers of record for Arkansas. The monthly average temperature for the State was 85.3°, which is 5.3° above the normal. Precipitation averaged 1.53 inches, which is 2.06 inches below, or 43% of normal.

It was the hottest August of record in Arkansas since 1891, and it followed the hottest July of record for the State. Only July 1954 with an average temperature of 85.8°, and July 1934 with 85.5°, were hotter than August 1954.

Maximum temperatures of 100° or higher were recorded at every station in the State--station highs ranging from 100° at Turnpike, to 111° at Conway on the 16th, at Arkadelphia on the 29th and 30th, and at Hot Springs on the 30th. The lowest temperature recorded during the month was 55° at Bentonville on the 9th.

It was hot throughout the entire month. Except for the 1st and 2nd, maximum temperatures of 100° or higher were recorded at a number of stations each day. On several dates, particularly on the 7th, 17-19th, and 28-29th, practically all but a few mountaintop stations registered 100° or higher temperatures.

Precipitation during the month occurred as widely scattered showers, principally on the 1-3rd, 21-23rd, and 28-30th. While a number of stations--Bradford with 5.92 inches, Marshall 5.78 inches, Marianna 4.72 inches, Green Mountain 4.29 inches, Calico Rock 4.50 inches, and Hector 4.74 inches--received more than four inches of rain during the month, most stations recorded less than two inches. Louann 2 SE and Okay received no rain at all, and six stations recorded only sprinkles too light to measure.

It was the second hottest summer of record. The average temperature for the three months of June, July, and August, 1954 was 83.6°. The only other summer with the three-month average temperature above 83.0°, was in 1934 when the June-August average was 83.8°. Normal average temperature for the three-month period is 79.2°.

It was the second driest summer of record. Average precipitation for the three months of June, July, and August 1954 totaled 4.36 inches. Only 1930, when the three-month total was 4.14 inches, was drier. Normal June-August rainfall in Arkansas is 11.44 inches. During the three months a large area in the central part of the State received less than 1/3 of the normal amount. Extreme Southern Arkansas, as well as a number of areas in other sections of the State, also received less than 33% of the normal. Only a few scattered areas received more than half the normal amount. No station received normal rainfall during the three-month period.

The searing heat, combined with the deficient rainfall, caused one of the most severe droughts of record for the State. All counties in the State, except for Arkansas County in the irrigated rice and cotton area of East-Central Arkansas, were applying for drought relief. With hay crops and pastures in extremely poor condition, and with serious water shortages in some localities, marketing of cattle was heavy. The corn crop was severely damaged, and much of it was burned beyond recovery. While soybeans were benefited in a few areas from the scattered showers, the crop was generally deteriorating. Cotton was opening rapidly, and in many instances prematurely.

Forest fires destroyed thousands of acres of timberland. High temperatures, lack of moisture, and extremely low humidities caused forests to be described by the State Forestry Commission as the "most explosive condition in 20 years."

All streams in the State were at extremely low stages. Stages were near or below the lowest ever recorded. Reservoirs at Bull Shoals and Norfork Dams in the northern part of the State were at their lowest of record and below the normal bottoms of their respective power pools.

Municipal water supplies in a number of cities were dwindling dangerously--especially in the western portion of the State.

SEVERE STORM DATA

Severe local storms occurred on the 19th, 28th, 29th, and 30th, and accounted for property losses estimated at \$122,000. Most of the damages occurred in Northeastern Arkansas on the 19th where wind damages amounted to about \$72,000, hail damage to cotton, soybean, and rice crops was about \$20,000, and damages by lightning about \$7,000. On the 28th, one man was killed by lightning while he was closing windows in his home east of Calico Rock.

One tornado was reported during the month. It occurred at 10:30 p.m. on the 29th in Sevier County as it dipped down four times in its 7 mile long path. The American Red Cross reported 2 homes and 6 other buildings were damaged. Losses were estimated at \$18,000.

On the 30th a sawmill at Hatton, Polk County, was damaged by a windstorm with losses totaling about \$5,000.--MOA

SUPPLEMENTAL DATA

ARKANSAS
AUGUST 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	19	7.5	42	NE	28	62	76	39	34	1	1	2	1	1	0	6	90	2.8
LITTLE ROCK WB AIRPORT	SSW	19	8.7	40	S	8	61	71	39	38	5	1	2	0	0	0	8	85	3.4
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	81	42	42	3	1	1	0	0	0	5	-	3.1

COMPARATIVE DATA

AUGUST

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	76.4	103	39	2.75	0	1916	81.8	107	46	2.63	0	1941	80.7	107	50	3.94	0
1892	78.3	106	47	4.39	0	1917	77.1	104	43	4.10	0	1942	78.8	106	53	6.96	0
1893	77.3	102	43	5.03	0	1918	82.6	115	52	3.90	0	1943	34.6	113	48	1.03	0
1894	78.1	104	48	4.63	0	1919	30.6	113	55	4.29	0	1944	80.0	104	50	4.90	0
1895	79.4	102	55	2.64	0	1920	76.3	102	46	4.08	0	1945	78.9	104	48	3.16	0
1896	82.6	112	48	2.32	0	1921	81.5	106	56	5.46	0	1946	79.0	109	43	1.37	0
1897	79.6	111	45	2.59	0	1922	80.4	111	51	1.90	0	1947	84.5	111	56	2.20	0
1898	79.4	103	54	4.35	0	1923	81.9	109	49	2.43	0	1948	78.0	108	46	4.25	0
1899	82.2	112	54	2.04	0	1924	82.2	103	43	2.40	0	1949	77.7	104	42	3.11	T
1900	81.1	103	57	2.95	0	1925	80.3	103	47	1.81	0	1950	75.6	102	44	6.87	T
1901	80.5	109	52	2.95	0	1926	30.7	110	47	5.50	0	1951	81.5	109	50	2.75	T
1902	80.7	108	51	2.55	0	1927	76.6	105	43	6.01	0	1952	81.1	110	50	3.53	T
1903	76.7	105	47	4.34	0	1928	81.3	105	51	4.62	0	1953	79.6	106	45	1.59	T
1904	78.1	105	46	2.81	0	1929	30.8	110	41	1.29	0	1954	85.3	111	55	1.53	T
1905	79.1	103	51	3.73	0	1930	81.8	114	46	2.53	0	All Years	80.1			3.53	T
1906	77.9	100	42	4.92	0	1931	76.7	103	42	4.71	0						
1907	82.0	113	54	2.92	0	1932	81.5	104	47	1.78	0						
1908	79.3	103	52	4.43	0	1933	79.1	101	49	4.42	0						
1909	82.4	111	47	1.27	0	1934	34.8	116	48	2.75	0						
1910	79.2	104	43	3.92	0	1935	82.0	113	46	1.74	0						
1911	78.0	107	45	8.19	0	1936	35.0	120	43	0.44	0						
1912	78.7	105	45	3.30	0	1937	82.3	111	55	3.43	0						
1913	82.1	107	46	1.62	0	1938	83.2	109	54	2.26	0						
1914	78.5	104	57	6.81	0	1939	80.2	107	49	2.50	0						
1915	74.7	102	40	10.44	0	1940	77.7	104	45	4.96	0						

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
AUGUST 1954

Table 5-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
STUTT GART 9 ESE	MAX	91	94	89	96	95	98	98	97	103	92	99	104	102	100	102	102	103	103	103	100	99	98	98	97	95	98	101	100	101	103	100	98.7
	MIN	69	70	68	70	72	70	76	78	72	63	66	66	70	68	70	72	73	69	69	69	69	68	69	67	73	72	71	71	71	71	65	69.9
SUBIACO	MAX	91	93	105	104	102	103	110	98	100	105	108	108	105	106	107	107	106	105	106	93	97	97	95	96	99	102	103	105	106	105	95	102.0
	MIN	69	65	70	78	79	75	73	74	65	65	69	71	72	69	74	77	80	72	80	67	70	70	70	71	72	71	72	73	71	70	71.8	
TEXARKANA W8 AP	MAX	93	94	101	99	100	99	104	105	97	102	104	102	98	101	103	102	101	101	102	99	100	97	95	90	97	102	100	102	104	106	96	99.9
	MIN	73	76	74	75	75	74	74	76	75	70	74	74	71	77	77	78	75	75	77	75	76	73	71	72	71	75	75	74	74	76	74	74.4
TURNPIKE	MAX	83	84	92	93	94	92	94	92	88	96	100	97	97	96	99	99	99	100	98	80	92	90	89	89	93	97	98	99	99	96	90	93.7
	MIN	67	62	72	74	72	73	68	72	62	73	76	72	75	75	76	77	76	75	76	65	67	69	69	71	70	76	75	71	73	70	64	71.4
WALDRON	MAX	91	92	102	101	100	101	108	106	97	104	107	104	103	105	107	107	106	105	105	98	99	98	96	96	98	102	105	105	105	106	95	101.7
	MIN	70	65	66	69	75	69	70	69	67	58	63	66	61	65	68	69	71	66	70	68	67	71	68	68	70	68	69	69	71	68	69	67.8
WALNUT RIDGE CAA AP	MAX	86	91	100	101	101	92	93	95	92	102	92	83	100	103	105	106	104	103	100	90	91	96	95	94	96	100	101	95	102	96	84	96.4
	MIN	70	69	69	71	76	74	71	70	66	63	67	69	67	70	76	76	77	76	68	68	70	70	73	72	75	74	73	76	72	70	61	70.9
WARREN	MAX	96	97	104	100	102	100	104	107	104	105	108	106	105	106	107	108	105	104	104	100	95	97	95	96	100	102	102	105	107	106	94	102.3
	MIN	70	69	71	73	73	73	73	76	77	66	71	74	72	74	75	74	77	75	76	74	71	72	71	72	71	73	74	75	75	76	76	73.2
WHITE ROCK	MAX	85	85	95	94	95	91	99	96	94	100	101	98	98	97	98	100	99	97	99	86	95	90	96	92	90	95	99	99	102	98	91	95.3
	MIN	66	61	69	74	73	75	70	69	62	76	77	73	76	74	77	77	75	75	75	65	69	69	68	70	69	75	76	74	69	77	67	71.7
WILSON	MAX	98	95	99	101	100	97	91	96	92	98	97	91	99	101	102	103	103	100	101	94	92	94	96	95	98	98	99	100	98	94	89	97.1
	MIN	64	67	68	71	74	75	72	73	68	63	68	68	64	70	71	74	75	73	74	65	65	70	69	69	72	72	73	72	72	68	59	69.6
WYNNÉ	MAX	88	89	99	100	98	101	92	100	88	99	99	97	102	101	103	105	105	101	102	98	93	98	98	96	100	100	102	103	103	98	86	98.2
	MIN	69	70	72	72	72	72	68	73	69	63	67	70	67	73	74	76	77	75	76	71	69	70	72	73	73	75	71	77	68	70	65	71.3

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	*	.45	.16	.36	.44	.40	*	*	1.29	.37	.39	.39	.47	*	*	1.24	.46	.45	.46	.47	*	*	.79	.31	.24	.38	.25	*	*	1.07	.43	11.27
	WIND	*	99	27	36	75	72	*	*	193	34	30	49	58	*	*	179	53	62	73	69	*	*	143	39	41	55	33	*	*	142	59	1621
HOPE	EVAP	*	.24	.31	.33	.34	.34	.32	*	.68	.22	.44	.40	.38	.30	.20	.39	.38	.37	*	.41	.24	*	*	.57	.29	.27	-	-	.30	-	-	9.208
	WIND	*	17	10	12	20	14	20	*	39	17	10	16	16	15	29	21	16	28	*	24	*	*	69	15	10	14	17	15	*	39	34	537
MOUNTAIN HOME C OF ENG	EVAP	.58	.20	.22	.38	.33	.45	.16	.28	.31	.28	.33	.34	.20	.33	.36	.41	.45	.41	.43	.21	.10	.16	.32	.31	.30	.39	.29	.38	.09	.14	.42	9.56
	WIND	31	34	28	28	68	36	35	50	53	12	33	47	34	31	43	37	54	47	69	38	23	25	32	35	33	50	25	18	35	30	45	1159
NARROWS DAM	EVAP	.30	.21	.23	.33	.39	.43	.31	.44	.29	.38	.39	.39	.42	.40	.38	.42	.39	.42	-	-	-	.23	.30	.28	.22	.28	.36	.28	.34	.35	.38	10.568
	WIND	34	22	25	25	44	36	28	35	42	32	27	33	37	40	36	34	31	40	38	34	25	28	33	25	31	23	23	27	38	56	41	1023
NIMROD DAM	EVAP	.28	.14	.16	.33	.40	.37	.24	.42	.42	.35	.42	.32	.41	.38	.38	-	.35	.39	.38	.37	.10	.20	.27	.25	.22	.26	.28	.20	.25	.32	.29	9.468
	WIND	25	10	29	36	52	12	28	32	48	20	22	25	24	41	33	22	35	30	37	28	18	11	19	17	10	30	23	16	19	12	18	782
RUSSELLVILLE	EVAP	.16	.23	.25	.28	*	.64	.39	.27	.25	.33	.28	.28	.32	.45	.31	.24	.39	.29	.41	.21	.19	.17	.29	.25	.24	.26	.26	.33	.27	.33	8.81	
	WIND	10	19	*	25	*	28	29	32	14	11	12	26	16	15	10	12	14	15	14	10	12	13	16	12	11	8	11	14	15	14	15	453
STUTT GART 9 ESE	EVAP	.27	.05	.14	.37	.29	.30	.22	.15	.40	.25	.22	.21	.32	.37	.22	.40	.33	.34	.27	.34	.10	.23	.24	.24	.18	.21	.27	.28	.27	.29	.28	8.05
	WIND	36	27	51	19	61	45	49	26	20	24	18	44	34	30	61	50	38	59	67	49	56	34	38	29	15	18	21	37	21	29	28	1134

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield,

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted

to represent the value for the 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).

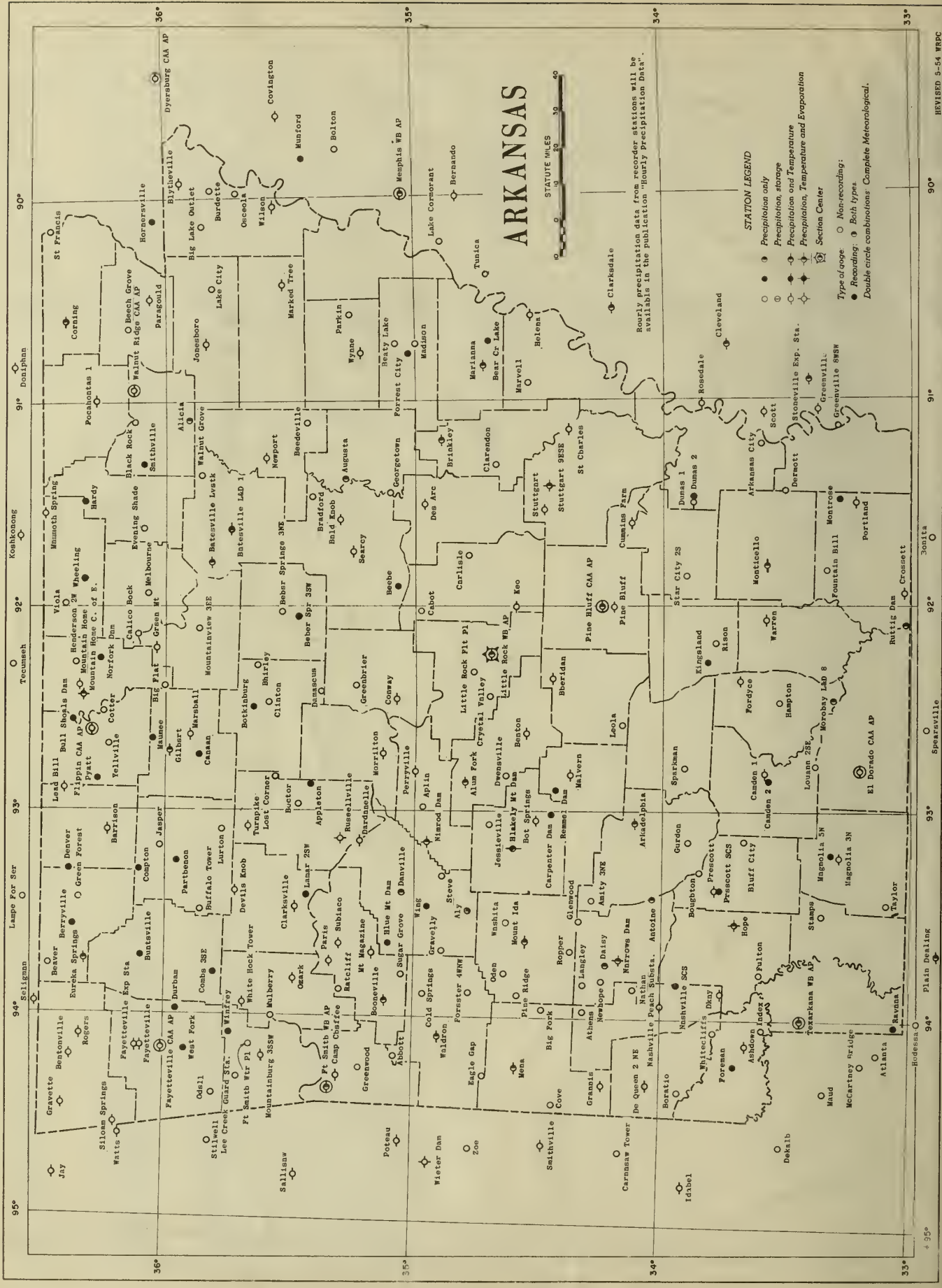
T Trace, an amount too small to measure.

V Includes total for previous month.

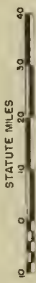
SS This entry in time of observation column in Station Index means observation made near sunset.

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.

WRPC, Kansas City, Mo. -- 10-12-54 -- 1005



ARKANSAS



STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gauge: ○ Non-recording;
● Recording; ○ Both types.
- Double circle combinations: Complete Meteorological.

Rhourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data."

.05
AR
597

R. H. Lev.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
NOV 18 1954
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

SEPTEMBER 1954

Volume LIX No. 9



KANSAS CITY: 1954

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
Kansas City 6, Mo.
OFFICIAL USE ONLY
Permit No. 1028

Penalty for private
use to avoid pay-
ment of postage
\$300.

THE

ARKANSAS - SEPTEMBER 1954

WEATHER SUMMARY

Drought conditions persisted through the month and this was the warmest September since 1938. Temperatures averaged above normal at all stations. Only a few stations in the northwest and southwest portions and some widely scattered areas elsewhere received from three to five inches of rain, but still insufficient for current needs. Elsewhere the below-normal rainfall with the greatest deficiencies of 2 to 3 inches in the east central counties, intensified the already critical situation. Generous showers as the month closed brought some relief from the drought but slowed harvest activities.

The average temperature for the State, 77.3°, was 3.2° above normal. The mean temperatures at individual stations increased from 72.8° at Bentonville to 81.3° at Hot Springs with the greatest departures, 4° or 5° above normal, in the central and northwest. The highest temperatures occurred the first few days, during which the hottest 109°, occurred at Arkadelphia and Mammoth Spring on the 3d. Two short relatively cool spells occurred on the 11th and 12th, and the 21st to 23d. The lowest temperatures at most stations were on the 22d or 23d and Bentonville recorded 37°, the extreme for the State, on the 22d.

Rainfall averaged 2.62 inches, 0.70 inch less than normal. The driest area was along the east central border where most stations received from two to three inches less than normal amounts. Marianna, in the middle of this area, received only 0.31 inch, the least rain of all the stations. Rains were spotty in the southwest where monthly amounts ranged from 0.62 inch at Fulton, Sparkman, and Stamps to 5.31 inches at Mena, 5.51 inches at Glenwood, and 5.69 inches at Cove. Rains exceeded four inches at a few stations in the northwest and west central, and Eureka Springs received 6.17 inches, the greatest monthly total in the State. Widespread rains on the last two days of the month, the first of a general nature since May, benefitted late sorghums and soybeans, pastures, and vegetables, replenished stock ponds, and provided much needed moisture for the growth of winter grains. The rains, however, slowed the harvest of cotton, rice, soybeans, and corn.

The many fair days promoted cotton picking but the heat opened the bolls prematurely. Because of the hot dry weather, soybean pods did not set resulting in poor yields. Rice promised a good crop. Low corn yields were indicated but sorghums improved some. The general rains of the last days improved pastures and replenished stock water supplies but drought conditions over most of the State persisted as the month closed. Cattle were on winter rations with feed conditions critical and marketings heavier than usual.

No severe storms were reported and the Arkansas River at Van Buren dropped to a record daily low of 0.4 foot and a record low monthly stage of 1.0 foot which is 7.0 feet below normal.

L. W. Dye

SUPPLEMENTAL DATA

ARKANSAS
SEPTEMBER 1954

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	2:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	NE	28	7.2	41	SW	29	64	75	39	43	1	1	0	1	0	4	84	3.1	
LITTLE ROCK WB AIRPORT	SW	11	7.6	30	SW	30	57	72	34	33	3	3	2	0	1	0	9	82	3.3
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	3	3	1	0	1	0	8	-	-

COMPARATIVE DATA

SEPTEMBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	73.4	102	40	0.94	0	1916	71.8	102	30	3.40	0	1941	71.3	102	39	3.60	0
1892	70.8	96	32	2.14	0	1917	67.3	99	37	1.76	0	1942	70.4	100	28	3.52	0
1893	74.0	103	36	3.75	0	1918	74.6	104	29	4.63	0	1943	74.3	104	38	3.23	0
1894	73.1	100	38	3.56	0	1919	74.9	108	40	2.72	0	1944	73.8	103	42	1.84	0
1895	77.1	105	32	1.36	0	1920	79.6	100	30	3.56	0	1945	74.0	104	39	7.85	0
1896	73.3	106	35	3.23	0	1921	76.2	104	35	3.38	0	1946	72.4	100	33	1.48	0
1897	76.6	108	33	0.60	0	1922	73.0	106	37	1.25	0	1947	76.0	112	36	3.28	0
1898	75.2	104	40	7.35	0	1923	69.7	98	45	5.56	0	1948	72.6	102	35	0.88	0
1899	71.9	109	28	1.21	0	1924	80.5	103	29	3.99	0	1949	69.1	99	28	3.20	0
1900	78.0	104	48	4.25	0	1925	76.8	113	47	5.96	0	1950	70.1	95	33	5.35	T
1901	68.4	101	32	3.08	0	1926	75.9	101	40	3.99	0	1951	71.9	108	37	4.61	T
1902	70.7	99	30	5.06	0	1927	70.5	104	32	3.37	0	1952	71.7	104	34	2.04	T
1903	75.4	102	34	2.47	0	1928	73.4	101	32	0.45	0	1953	74.7	106	32	0.99	T
1904	74.2	101	37	2.46	0	1929	75.7	102	41	2.46	0	1954	77.3	109	37	2.62	T
1905	75.7	100	44	3.90	0	1930	78.4	106	35	4.10	0	All Years	74.1			3.28	T
1906	73.9	100	47	6.24	0	1931	73.8	102	34	1.00	0						
1907	73.4	106	38	2.22	0	1932	78.5	103	35	2.54	0						
1908	74.7	101	29	4.00	0	1933	71.3	102	41	5.10	0						
1909	76.4	108	31	2.84	0	1934	72.4	100	37	5.46	0						
1910	79.0	101	44	2.41	0	1935	78.9	103	35	3.13	0						
1911	78.5	102	46	3.67	0	1936	72.7	109	38	4.15	0						
1912	71.7	106	32	2.40	0	1937	75.7	102	34	4.27	0						
1913	74.4	108	33	10.10	0	1938	79.9	107	32	1.55	0						
1914	74.9	101	38	3.19	0	1939	71.2	112	35	1.77	0						
1915	72.5	100	34	1.43	0	1940	75.4	100	31	1.83	0						

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
SEPTEMBER 1954

Table 5-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	
STUTT GART 9 ESE	MAX	88	88	94	100	101	102	102	92	94	98	90	82	86	94	98	99	93	93	95	97	97	81	78	82	90	94	97	97	93	88	92.9	
	MIN	55	56	58	58	61	63	60	67	65	67	52	51	52	54	54	63	68	68	68	72	69	48	47	49	51	57	58	65	68	69	59.8	
SUBIACO	MAX	97	102	107	106	103	100	94	99	96	92	89	90	97	102	103	100	92	95	100	99	94	83	85	91	96	98	102	92	93	90	96.2	
	MIN	60	58	62	65	70	72	68	66	68	66	56	54	54	58	63	67	67	72	71	79	64	47	48	48	53	57	63	68	72	65	62.7	
TEXARKANA WR AP	MAX	94	98	101	100	98	98	97	97	99	95	86	87	94	98	99	93	81	93	97	57	89	82	86	91	95	96	98	87	95	86	93.6	
	MIN	65	61	63	69	69	72	70	67	69	74	64	58	56	61	64	67	73	74	76	75	63	53	52	52	59	68	69	72	74	69	65.9	
TURNPIKE	MAX	90	93	99	99	93	91	90	89	84	79			89	94	97			88	84	92	91	82	74	74	83	86	90	92	86	80	74	87.5
	MIN	61	64	75	75	75	73	68	68	67	61	54	56	62	69	74	74	67	70	71	71	57	49	54	56	67	69	72	67	66	63	65.7	
WALORON	MAX	98	102	106	105	103	100	94	97	96	92	88	90	95	100	102	100	93	95	99	99	94	83	86	93	96	99	99	95	96	91	96.2	
	MIN	56	53	53	57		67	64	66	64	65	48	46	45	48	54	63	72	71	78	62	39	40	41	43	52	55	60	74	65	57.2		
WALNUT RIDGE CAA AP	MAX	89	95	103	102	102	92	91	90	92	86	81	83	91	95	97	94	93	90	97	98	77	75	78	86	89	90	94	93	80	79	90.1	
	MIN	54	56	63	62	64	69	68	66	60	61	54	52	51	55	59	61	69	72	72	68	55	48	47	48	55	62	60	66	69	70	60.5	
WARREN	MAX	94	100	105	105	105	101	100	99	101	94	91	94	97	102	94	86		96	98	100	98				94	99	99	91	91	91	97.1	
	MIN	58	57	59	63	68	71	71	67	67	67	57	54	58	64	63	67	71	74	74	74	72			53	49	59	63	71	69	71	69	64.8
WHITE ROCK	MAX	90	96	99	98	96	94	82	90	88	81	84	83	86	93	97	94	87	85	92	93	87	72	76	83	87	92	93	85	87	77	88.2	
	MIN	62	70	75	76	75	74	63	69	67	59	56	59	60	70	71	74	67	67	71	76	56	52	54	57	68	68	71	69	64	63	66.1	
WILSON	MAX	86	95	100	102	104	97	91	89	93	81	80	85	92	96	98	94	94	94	96	98	88	76	80	88	88	88	94	92	85	80	90.8	
	MIN	51	54	57	62	64	66	69	67	63	62	52	54	54	55	59	61	67	74	76	74	63	46	45	46	65	65	67	67	64	71	61.3	
WYNNE	MAX	88	95	102	103	103	95	94	92	97	88	81	85	93	97	99	94	92	93	97	98	90	77	81	90	92	95	97	93	88	80	92.3	
	MIN	50	53	58	62	64	66	72	64	68	65	51	49	57	56	60	70	68	75	74	75	65	46	43	48	55	63	62	71	71	71	61.7	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	.39	.31	.35	*	*	*	.131	.00	.26	.22	*	*	.94	.25	.28	.31	.29	*	*	.46	.43	.36	.22	.22	*	*	.69	.20	.07	.05	7.61	
	WIND	.42	.29	.31	*	*	*	.175	.18	.28	.41	*	*	.156	.29	.25	.24	.56	*	*	.161	.126	.56	.32	.32	*	*	.78	.26	.99	.58	1332	
HOPE	EVAP	.09	.37	.42	.21	-	-	.19	-	.31	.43	*	.55	.25	.23	.26	.27	-	-	-	.40	.17	.15	.35	*	.45	-	.20	-	-	706		
	WIND	.35	.24	.11	.9	*	*	.70	.10	.7	.64	*	.61	.8	.12	.7	.35	.32	*	.38	.51	.56	.36	.29	.12	*	.18	.14	.26	.41	-	1065	
MOUNTAIN HOME C OF ENG	EVAP	.27	.32	.30	.36	.37	.37	.28	.20	.28	.22	.34	.28	.23	.30	.31	.30	.33	.29	.21	.32	.41	.26	.17	.18	.18	.16	.19	.25	.26	-	8.218	
	WIND	.38	.11	.20	.23	.14	.45	.32	.27	.30	.37	.46	.31	.23	.26	.29	.18	.34	.56	.61	.73	.106	.49	.20	.20	.18	.10	.18	.28	.72	.50	1065	
NARROWS DAM	EVAP	.32	.33	.30	.35	.36	.30	.30	.09	.23	.25	.38	.19	.39	.31	.36	.23	.29	.10	.20	.18	.28	.38	.25	.23	.25	.27	.26	.13	-	-	8.048	
	WIND	.27	.28	.25	.29	.35	.32	.37	.20	.21	.29	.44	.30	.30	.35	.35	.38	.40	.43	.31	.39	.60	.56	.26	.34	.41	.33	.23	.26	.56	.53	1056	
NIMROD DAM	EVAP	.31	.30	.31	.35	-	.32	.16	.20	.26	.30	.32	.27	.26	.18	.32	.28	.25	.15	.16	.29	.33	.30	.21	.21	.21	.24	.27	.23	.08	.19	7.518	
	WIND	.21	.11	.20	.35	.28	.21	.32	.3	.9	.35	.22	.21	.19	.2	.50	.15	.20	.26	.25	.41	.27	.26	.13	.21	.19	.17	.15	.19	.33	.27	673	
RUSSELLVILLE	EVAP	.21	.33	.31	.32	-	-	.16	.18	.26	.32	.22	.26	.21	.27	.31	.30	.21	.13	.15	.31	.28	.20	.20	.23	.23	.21	.20	.18	.10	.08	6.818	
	WIND	.16	.9	.11	.12	.14	.20	.10	.16	.19	.22	.17	.15	.10	.11	.9	.20	.24	.23	.17	.24	.26	.20	.5	.9	.7	.14	.8	.11	.17	.9	445	
STUTT GART 9 ESE	EVAP	.29	.26	.25	.22	.25	.24	.23	.03	.21	.24	.25	.11	.30	.21	.22	.23	.20	.12	.18	.27	.34	.22	.13	.11	.27	.21	.22	.15	.08	.08	6.26	
	WIND	.39	.23	.17	.21	.14	.15	.21	.27	.14	.16	.27	.32	.27	.18	.12	.13	.47	.27	.59	.87	.92	.25	.30	.24	.16	.27	.20	.34	.42	.61	927	

See reference notes following Station Index.

STATION INDEX

ARIZONA SEPTEMBER 1954

Main data table with columns: Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp, Precip, Observer, Refer to tables, Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Temp, Precip, Observer, Refer to tables. Includes a 'NEW STATIONS' section at the bottom.

DRAINAGE CODE 1. ARIZONA 2. MISSISSIPPI 3. OUACHTA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

Continuation of Sugar Loaf Mountain record.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

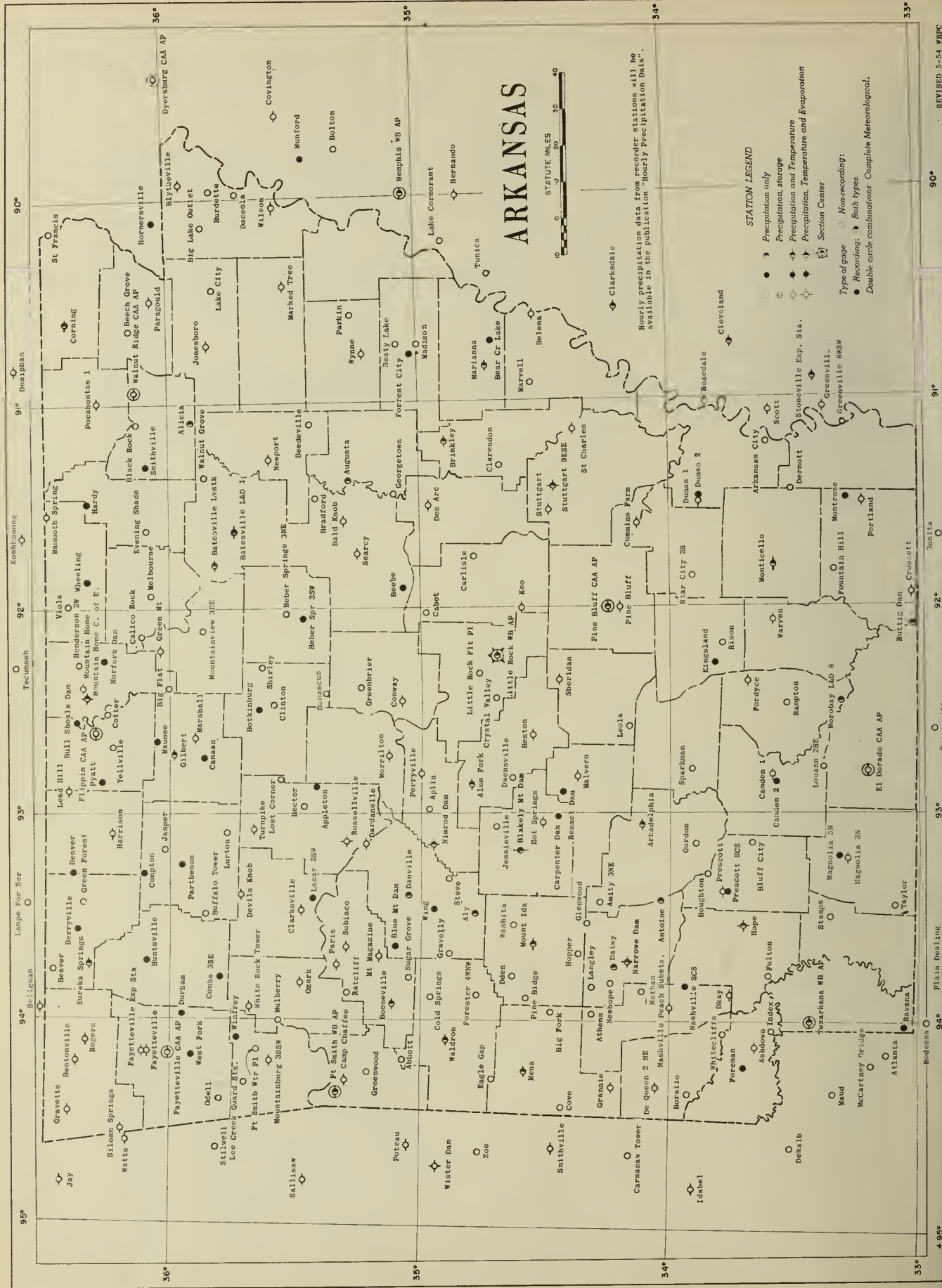
T Trace, an amount too small to measure.

V Includes total for previous month.

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

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.

W.R.P.C., Kansas City, Mo., -- 11-9-54 -- 1005



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gauge
- Non-recording
- Recording
- Both types
- Double circle combinations: Complete Meteorological.

1.05
VAR
.59¹⁰

Nat. Hist. Lib.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
JAN 10 1955
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

OCTOBER 1954

Volume LIX No. 10



KANSAS CITY: 1954

NAT.
HIST.

ARKANSAS - OCTOBER 1954

WEATHER SUMMARY

October weather was favorable for harvesting and maturing late crops. Temperatures were above normal 1 to 2 degrees over most of the State while precipitation was near normal to about an inch below over the eastern half. The western half was above normal one to three inches in the north and two to seven inches in the south. No freezing temperatures occurred until the last two days when most stations had minimum temperatures around the 30 degree mark.

Above normal temperatures prevailed most of the first half and below normal the last half. The periods of warming were from the 1st to the 6th, the 8th to the 13th, and the 25th to the 26th. Highest readings were generally in the east and south with the highest maximum, 98 degrees recorded at Batesville L and D 1 on the 2d and at Crossett on the 3d. Periods of cooling were from the 14th to the 21st and the 27th to the 31st. Lowest readings were mostly in the north and northeast with the lowest minimum, 24 degrees at Bentonville and Cummins Farm on the 30th. Magnolia 3 N had the highest mean temperature, 68.3° and Bentonville the lowest with 59.3°. Below freezing temperatures on the 30th and 31st terminated the growing season over the State.

Rainfall was general at the beginning of the month with the storm totals from 1 to over 7 inches. Another period of widespread precipitation occurred on the 11th and 12th with storm totals up to around 4 inches. Lesser amounts fell on the 21st and 22d and during the period of the 24th to the 27th. Monthly totals were considerably above normal over much of the western portion. Amounts totaling 2 to 4 inches above normal were common there while in the southwest several stations reported 6 or 7 inches above normal for the month. Some of the larger totals recorded were: 14.24 inches at Horatio, 13.62 at Daisy, 13.46 at Langley and Ash-down, and 13.17 at Athens. In contrast the eastern portion was less fortunate, receiving amounts generally up to one inch below normal with three stations, Wynne, Parkin and Marked Tree receiving more than two inches below normal. Exceptions were Jonesboro in the northeast with 1.90 inches above normal and Arkansas City in the southeast recording 1.20 inches above normal. Horatio in the extreme southwest recorded the greatest monthly total, 14.24 inches and Parkin in the east central was least with a total of only 0.94 inches. The State average precipitation was 4.97 inches, a departure of 1.74 inches above normal.

Although October weather was favorable for harvesting and maturing late crops the total production of principal field crops this year is indicated at 8 percent below the 1943-52 average, according to the Crop Reporting Service of the Department of Agriculture. Drought conditions earlier reduced soybean yield prospects but conditions improved late in the season. With only light frosts reported until late in the month, late hay crops and sorghums made good growth. Stock water was adequate and pastures were furnishing good grazing.

M. G. Talcott

SUPPLEMENTAL DATA

ARKANSAS
OCTOBER 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
FORT SMITH W6 AIRPORT	ENE	22	6.3	26	NE	21	62	67	58	66	3	2	2	2	2	0	11	63	5.0
LITTLE ROCK W6 AIRPORT	SW	10	6.6	37	S	26	76	65	55	62	5	1	7	2	0	0	15	62	5.3
TEXARKANA W6 AIRPORT	-	-	-	-	-	-	-	-	-	-	3	2	4	1	2	0	12	-	-

COMPARATIVE DATA

OCTOBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	60.4	92	27	0.65	.0	1916	62.6	96	21	2.30	.0	1941	68.2	96	28	8.11	.0
1892	63.6	92	27	3.26	.0	1917	65.6	99	18	1.69	T	1942	62.8	90	22	3.19	.0
1893	60.5	99	23	1.30	.0	1918	65.6	100	30	3.99	.0	1943	61.3	90	26	3.48	.0
1894	63.0	96	24	1.52	.0	1919	66.6	98	33	10.90	.0	1944	63.9	95	25	1.13	.0
1895	57.1	95	21	1.44	.0	1920	64.2	93	25	4.39	.0	1945	60.8	89	29	3.11	.0
1896	60.8	98	25	3.59	.0	1921	61.6	96	27	0.72	.0	1946	63.7	94	25	2.79	.0
1897	67.6	99	28	2.01	.0	1922	63.1	98	20	1.47	.0	1947	66.3	95	35	3.72	.0
1898	60.0	100	23	5.44	T	1923	59.2	94	20	3.53	.0	1948	60.0	90	20	2.40	.0
1899	65.6	101	26	2.88	.0	1924	64.9	96	21	0.29	.0	1949	62.6	91	23	8.50	T
1899	65.6	101	26	2.88	.0	1925	58.7	98	13	7.73	0.1	1950	66.5	93	33	1.91	.0
1900	66.0	97	32	4.31	.0	1926	64.9	99	23	5.77	.0	1951	63.1	96	30	4.55	T
1901	63.7	95	27	2.07	.0	1927	66.0	100	30	3.13	.0	1952	56.6	96	14	0.76	T
1902	62.5	90	27	2.66	.0	1928	66.3	100	27	4.74	.0	1953	64.8	104	25	1.48	.0
1903	60.9	97	26	2.22	.0	1929	62.2	93	19	4.29	.0	1954	63.9	96	24	4.97	T
1904	62.5	100	20	0.94	.0	1930	60.1	92	17	4.69	.0						
1905	61.1	92	23	4.49	.0	1931	67.1	96	26	2.35	.0	All Years	62.9			3.21	T
1906	58.2	94	25	2.38	.0	1932	60.8	94	76	3.41	.0						
1907	61.9	96	23	3.03	.0	1933	82.6	90	30	2.63	.0						
1908	59.2	93	24	0.48	.0	1934	66.2	96	25	0.79	.0						
1909	63.0	96	24	2.15	.0	1935	63.9	95	27	4.94	.0						
1910	62.9	96	16	5.19	T	1936	61.1	93	24	5.00	.0						
1911	62.7	101	25	1.67	T	1937	60.8	98	17	4.65	T						
1912	63.8	96	22	2.97	.0	1938	66.6	105	20	0.94	.0						
1913	60.1	95	16	5.41	0.6	1939	65.1	98	20	1.71	.0						
1914	63.0	93	21	1.74	.0	1940	65.2	95	29	1.91	.0						
1915	63.4	94	26	2.63	.0												

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1954

Table 5-Continued

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various Arkansas locations including Jonesboro, Keo, Lead Hill, Little Rock WB AP, Magnolia 3 N, Malvern, Mammoth Spring, Marianna, Marked Tree, Marshall, Menz, Monticello, Morrilton, Mount Ida, Mount Magazine, Mountain Home, Mountain Home C of Eng, Mountainburg 3 SSW, Narrows Dam, Nashville Peach Substa, Newport, Nimroo Dam, Okay, Ozark, Paragould, Paris, Perryville, Pine Bluff, Pine Bluff CAA AP, Pochontas 1, Portlando, Prescott, Rogers, Russellville, Saint Charles, Searcy, Sherioan, Siloam Springs, and Stottgart.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1954

Table 5-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
STUTT GART 9 ESE	MAX	88	84	85	95	94	96	89	76	82	84	90	90	78	81	84	67	70	78	71	67	66	71	77	79	80	82	75	64	42	40	33	35
	MIN	69	71	71	68	68	60	57	48	50	59	63	57	64	66	40	36	39	43	41	38	38	42	41	46	58	62	42	40	33	35		
SUBIACO	MAX	81	90	94	87	91	87	77	81	88	90	87	84	84	78	67	68	81	80	73	64	59	70	77	70	74	81	77	60	57	57	55	
	MIN	65	70	68	66	61	68	54	48	56	56	70	59	60	58	42	40	38	45	44	43	43	47	46	45	53	63	49	41	41	31	34	
TEXARKANA W8 AP	MAX	86	92	94	92	92	93	78	82	83	88	90	85	80	82	67	69	79	84	73	74	66	63	77	73	78	82	69	62	58	61	57	
	MIN	69	74	71	72	73	70	60	55	65	68	72	63	65	55	44	41	43	51	50	46	49	51	52	61	63	64	51	48	40	34	39	
TURNPIKE	MAX	70	74	80	83	85	77	70	75	78	80	76	74	70	66	54	69	74	74	64	64	64	74	69	64	65	67	64	50	47	47	50	
	MIN	63	64	68	68	69	63	47	48	60	63	60	54	61	50	36	37	46	49	46	41	46	49	51	52	56	60	41	39	39	30	31	
WALORON	MAX	82	92	94	92	93	86	78	83	85	88	87	85	83	74	65	67	80	84	72	68	70	65	75	75	75	82	76	63	57	60	59	
	MIN	65	71	66	64	68	66	55	49	57	60	69	59	59	60	37	34	35	39	46	41	43	50	40	52	57	65	49	40	39	28	38	
WALNUT RIOGE CAA AP	MAX	77	84	90	90	91	75	68	77	81	85	87	77	78	72	65	63	79	69	64	64	69	72	76	75	72	71	64	51	54	53	53	
	MIN	68	68	67	67	71	56	48	44	57	60	69	62	61	47	40	37	40	44	38	35	36	39	39	40	54	62	44	40	35	29	35	
WARREN	MAX	83	95	96	94	94	95	84	84	87	93	92	89	81	83	86	71	83	86	72	71	76	77	81	79	84	84	71	58	59	57	81.3	
	MIN	71	72	71	71	70	69	58	50	58	59	71	63	65	56	46	38	39	45	43	40	44	49	46	54	63	61	57	45	29	34	54.6	
WHITE ROCK	MAX	78	79	85	82	84	80	71	74	80	80	74	73	72	66	58	60	71	75	65	58	55	70	70	61	65	71	65	51	48	48	68.3	
	MIN	63	64	68	67	69	63	50	59	60	63	66	57	62	51	40	39	47	57	44	47	43	41	45	49	54	54	39	38	31	30	51.6	
WILSON	MAX																																
	MIN																																0.0
WYNNE	MAX	81	92	95	94	93	89	72	77	83	90	89	83	77	78	67	64	78	75	66	68	71	76	80	79	80	73	68	56	55	52	54	
	MIN	70	72	74	70	72	65	53	49	54	61	71	65	62	59	45	33	39	40	41	34	34	47	46	48	58	65	56	38	40	26	32	

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total for ave
		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	
BLAKELY MOUNTAIN OAM	EVAP	.00	*	*	.39	.16	.18	.17	.17	*	*	.32	.26	.09	.10	.22	*	*	.53	.14	.13	.09	.17	*	*	.22	.00	.09	.07	.05	-	-	3.798
	WIND	34	*	*	70	32	33	80	38	*	*	102	103	23	64	93	*	*	164	26	38	22	48	*	*	95	54	68	52	42	-	-	13698
HOPE	EVAP	-	.34	*	.24	.14	.16	.32	.20	.11	*	.22	-	.33	.08	.21	.20	*	.23	.17	.19	.11	-	.03	-	-	-	-	-	-	-	-	
	WIND	44	6	*	8	3	3	86	53	16	*	12	46	4	15	73	49	*	44	35	48	29	42	44	40	7	30	23	28	24	51	-	
MOUNTAIN HOME C OF ENG	EVAP	-	-	.09	.22	.17	.16	.16	.14	.10	.18	.19	.16	.07	.07	.15	.25	.11	.16	.15	.12	.18	.01	.14	.12	-	.11	.12	.15	.05	-	-	4.248
	WIND	28	17	34	40	22	33	64	36	16	33	55	43	17	46	59	80	38	31	40	37	13	19	27	19	21	11	50	32	32	67	10	
NARROWS OAM	EVAP	-	.04	.18	.19	.27	.02	.20	.20	.12	.08	.11	-	-	.06	.21	.20	.16	.14	.15	.15	.10	.07	-	.10	-	.03	.13	.07	.09	.12	.09	3.918
	WIND	42	42	5	8	24	28	50	34	17	9	42	67	19	33	64	64	32	19	24	21	17	37	26	22	14	35	39	25	22	48	33	
NIMROO OAM	EVAP	.01	.04	.14	.20	.14	.17	.15	.18	.14	.10	.16	-	.10	.12	-	.22	.15	.12	.12	.14	.06	.03	.08	.11	.01	.05	.06	.10	.05	.12	.04	3.328
	WIND	2	2	13	15	12	15	6	13	4	3	32	45	3	19	67	92	29	12	10	8	2	3	7	8	2	6	51	23	21	45	15	
RUSSELLVILLE	EVAP	.07	.10	.15	.16	.15	.12	.16	.10	.16	.16	.10	.15	.07	.08	.19	.16	.10	.07	.16	.17	-	-	.10	.05	.02	.06	.10	.08	.08	.04	.07	3.408
	WIND	7	11	8	8	8	11	29	15	13	13	18	15	18	30	35	32	5	11	23	13	4	16	15	4	4	7	26	11	14	14	11	
STUTT GART 9 ESE	EVAP	.08	.06	.15	.18	.19	.18	.19	.18	.06	.21	.19	.16	.02	.04	.13	.18	.14	.15	.12	.13	.05	.08	.15	.17	.06	.11	.03	.04	.05	-	-	3.728
	WIND	18	14	33	16	28	48	60	50	17	32	52	78	16	27	63	94	49	32	28	35	14	8	31	30	6	55	28	21	30	52	-	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F. Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

o Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.

+ And also on a later date or dates.

* Amount included in following measurement, time distribution unknown.

// Gage is equipped with a windshield.

B Adjusted to a full month.

C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.

E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).

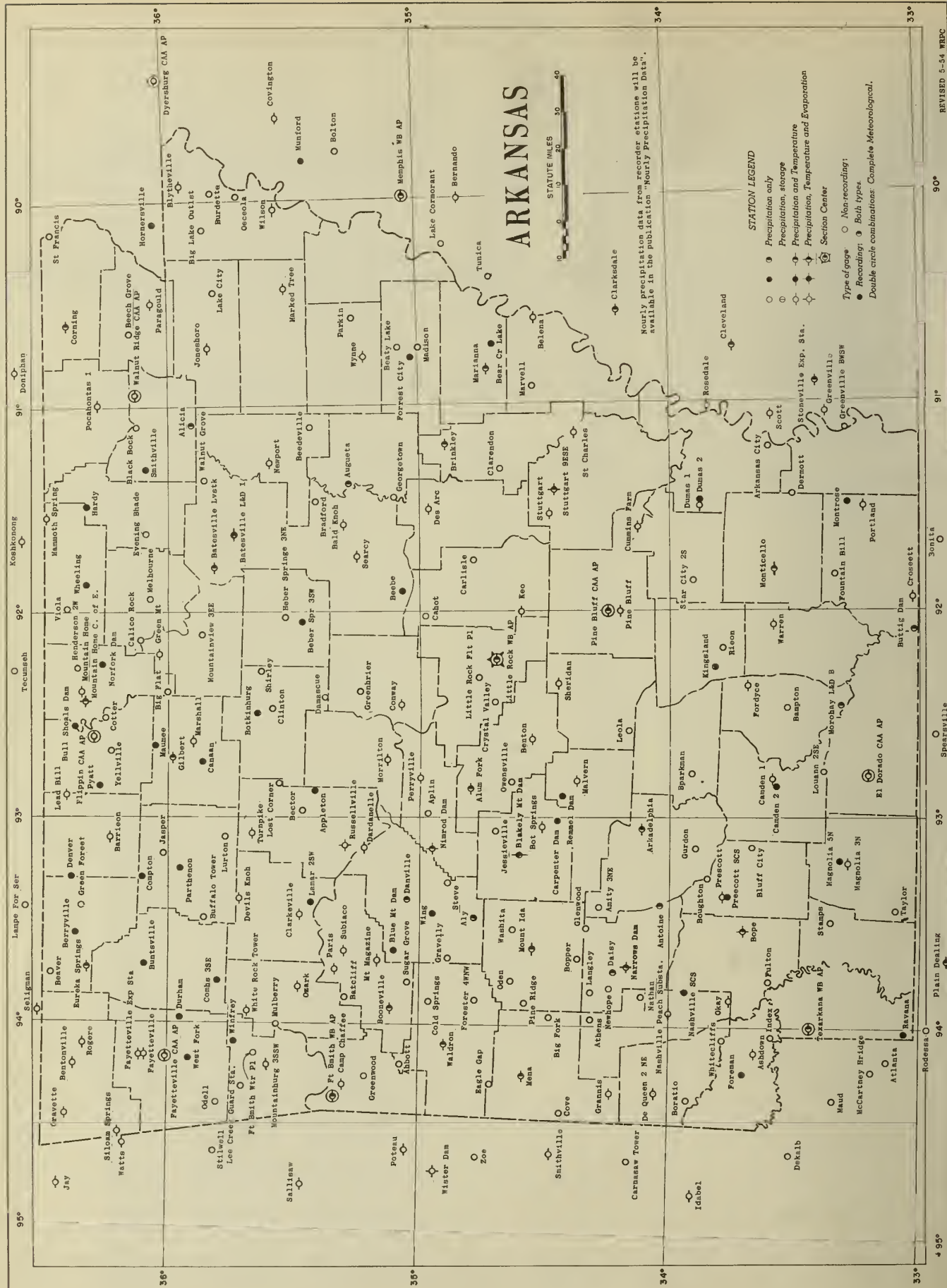
T Trace, an amount too small to measure.

V Includes total for previous month.

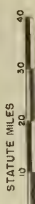
SS This entry in time of observation column in Station Index means observation made near sunset.

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.

W.R.P.C., Kansas City, Mo., -- 12-17-54 -- 1005



ARKANSAS



Nightly precipitation data from recorder stations will be available in the publication "Nightly Precipitation Data".

STATION LEGEND

- Precipitation only
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gage
- Non-recording
- Recording
- Both types
- Double circle combinations: Complete Meteorological.

Map showing county boundaries and recording stations in Arkansas. Major cities include Little Rock, Fayetteville, Springdale, and Fort Smith. The map includes a grid of latitude and longitude lines, a scale bar, and a legend for station types.

551.05
UNAR
v. 59"

Nat. Hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
JAN 31 1955
UNIVERSITY OF ILLINOIS

NOVEMBER 1954
Volume LIX No. 11

Penalty for private use to avoid payment of postage \$300.

NOV 11 1955

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C.
OFFICIAL BUSINESS
Permit No. 1024

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03



ASHEVILLE: 1955

~~NAT. HIST.~~

ARKANSAS - NOVEMBER 1954

WEATHER SUMMARY

Temperatures averaged near normal and rainfall far below normal with deficiencies exceeding three inches over a large central area. The weather was ideal for outdoor activities but the soil was becoming extremely dry, and winter rains were badly needed to replenish the soil moisture for next year's crops.

The first six days were quite chilly. Temperatures on the 2d and 3d averaged about 20° below normal. The lowest temperature was 14° at Bentonville on the 2d. Killing frost or freezing temperatures covered the entire State on the 3d. Above-normal temperatures prevailed from the 7th to the 18th after which the temperatures were close to normal.

A few moderate to locally heavy showers occurred on the 3d. Fair weather prevailed from the 5th to the end of the month, any rains which fell being mostly light, widely-scattered showers. Precipitation totals ranged from 0.40 inch at Perryville and Waldron to 4.00 inches at Huttig Dam. All stations reported below-normal precipitation; the departures from normal ranged from -0.23 inch at Arkansas City to -4.34 inches at Alum Fork. Rainfall averaged 1.37 inches. Smaller amounts fell in only five of the previous sixty-four Novembers: 1894 with 1.12 inches; 1903 with 0.64 inch; 1910 with 0.47 inch; 1943 with 1.10 inches; and 1949 with 0.37 inch.

After a few showery days early in the month, ideal weather for outdoor activities persisted through the rest of November. Farm work included picking remnants of corn, cotton, rice, and soybeans; plowing, clearing, and fencing; pruning orchards; applying paradichlorobenzene for borers; and butchering, gathering pecans, cutting stalks, etc. Streams were low and water was scarce in some localities. Oat pastures were providing some pasture but supplemental feeding of livestock was necessary. Considerable livestock was being sold because of the feed shortage. Rains were needed to revive the pastures and to replenish the soil moisture for the crops to be raised in 1955.

Lucuis W. Dye

SUPPLEMENTAL DATA

ARKANSAS
NOVEMBER 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH W8 AIRPORT	ENE	21	5.6	26	NW	24	78	82	48	59	7	2	0	1	0	0	10	77	2.9
LITTLE ROCK W8 AIRPORT	NW	13	7.4	29	W	24	73	78	47	54	3	2	3	1	0	0	9	70	4.3
TEXARKANA W8 AIRPORT	-	-	-	-	-	-	-	-	-	-	2	3	0	0	1	0	6	-	-

COMPARATIVE DATA

NOVEMBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	49.7	87	10	5.56	-	1916	52.1	87	10	2.95	T	1941	49.9	87	18	2.31	T
1892	49.9	79	20	5.83	1.2	1917	50.7	85	11	1.96	T	1942	54.5	88	18	3.83	T
1893	49.3	84	10	4.21	0.0	1918	49.7	88	18	3.91	0.1	1943	49.7	88	15	1.10	T
1894	50.4	81	12	1.12	T	1919	51.4	86	14	6.27	T	1944	52.7	87	17	4.70	0.1
1895	49.9	82	16	4.82	0.1	1920	47.8	89	10	1.95	T	1945	53.5	88	14	3.97	T
1896	52.8	88	8	4.34	0.1	1921	54.9	88	17	5.53	T	1946	53.6	85	17	9.09	0.0
1897	51.6	88	15	2.82	T	1922	52.9	88	20	3.89	0.0	1947	47.7	82	17	5.06	T
1898	47.5	87	9	3.20	T	1923	50.8	81	21	3.34	0.3	1948	50.9	85	13	5.78	0.7
1899	54.3	87	17	2.61	T	1924	53.4	88	15	2.36	T	1949	52.3	85	12	0.37	0.0
1900	51.4	90	18	4.28	T	1925	50.4	89	15	5.67	T	1950	47.4	89	0	2.24	0.2
1901	50.5	88	15	2.99	0.0	1926	47.2	81	10	3.33	0.7	1951	45.0	89	9	5.13	1.6
1902	56.5	90	18	6.66	T	1927	56.7	96	20	3.67	0.1	1952	49.7	88	9	7.01	1.5
1903	47.6	89	2	0.64	0.1	1928	50.2	82	13	4.25	T	1953	49.5	85	15	2.16	T
1904	51.4	89	17	1.38	T	1929	46.1	85	7	2.61	2.3	1954	50.7	84	14	1.37	T
1905	53.2	88	9	3.28	T	1930	50.5	87	16	4.15	T	All Years	51.1			3.80	.2
1906	50.2	88	13	5.90	0.1	1931	57.6	88	18	6.34	T						
1907	49.0	84	10	5.71	T	1932	46.7	82	9	1.98	0.1						
1908	53.8	88	5	5.40	T	1933	53.0	85	20	1.86	T						
1909	59.3	90	16	3.75	0.0	1934	54.0	88	20	6.89	0.6						
1910	51.5	85	17	0.47	0.0	1935	49.8	89	16	3.81	T						
1911	46.8	86	5	3.18	0.2	1936	48.5	87	12	3.00	0.2						
1912	50.5	89	13	1.66	T	1937	48.3	90	6	4.99	0.5						
1913	57.6	85	20	2.47	0.0	1938	50.7	89	8	5.26	0.1						
1914	52.6	88	11	2.32	T	1939	48.8	87	14	3.39	T						
1915	54.8	88	17	5.40	0.1	1940	49.3	82	3	5.93	T						

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

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	
ALUM FORK	MAX 37	58	44	51	59	73	78	78	76	73	76	73	75	75	73	74	71	71	58	64	65	61	63	58	55	59	61	69	61	58	65.7 38.1	
ARKADELPHIA	MAX 34	52	46	55	62	74	79	80	79	77	77	77	80	78	70	79	79	70	58	71	70	59	65	62	58	70	65	68	62	68	68.5 38.8	
ASHOOWN	MAX 34	57	45	55	57	71	75	75	73	75	73	75	77	76	70	75	77	72	64	68	69	69	64	62	64	70	67	65	58	64	67.5 37.3	
BALO KNOB	MAX 33	57	50	50	57	70	74	77	74	77	74	74	73	75	77	76	75	72	73	69	65	63	59	58	61	57	54	56	63	56	64.9 35.3	
BATESVILLE LIVESTOCK	MAX 31	60	47	49	51	65	74	74	77	76	73	75	72	77	78	77	74	70	66	47	61	60	59	62	56	51	55	66	64	55	64.2 33.6	
BATESVILLE L AND O NO 1	MAX 33	54	58	52	57	71	72	76	73	71	73	75	74	76	75	71	73	68	62	60	59	59	60	60	55	55	64	64	58	53	64.5 32.9	
BENTON	MAX 34	47	46	57	58	70	77	77	74	71	73	72	75	75	71	73	74	69	56	67	60	57	62	58	57	62	62	64	58	62	64.9 34.5	
BENTONVILLE	MAX 30	47	40	48	54	70	75	72	73	70	69	71	71	72	71	70	74	57	55	58	59	52	63	57	47	58	62	53	50	54	60.8 33.9	
BLYTHEVILLE	MAX 38	48	53	46	58	69	76	79	78	78	75	79	80	80	80	80	80	74	53	69	58	61	60	58	55	55	65	62	57	57	65.8 37.5	
BOONEVILLE	MAX 38	51	43	56	63	68	76	78	76	74	76	76	78	78	76	77	78	67	61	65	66	60	68	59	54	63	64	61	58	58	66.3 36.7	
BRINKLEY	MAX 35	61	45	52	50	57	68	76	79	77	74	73	75	78	77	73	68	73	71	49	64	60	57	61	61	55	59	63	66	57	64.7 35.4	
CAMDEN 1	MAX 33	67	50	47	53	58	72	78	77	75	74	73	77	78	77	73	74	76	72	63	69	68	62	67	62	62	71	73	69	60	67.9 36.1	
CAMP CHAFFEE	MAX 37	55	44	55	59	73	79	76	74	73	75	75	76	76	74	78	79	61	61	64	66	61	67	61	54	61	65	59	56	57	65.8 36.7	
CLARKSVILLE	MAX 33	26	23	41	57	69	37	76	76	74	75	75	74	83	77	75	75	62	61	64	63	61	64	57	56	56	61	62	56	53	64.7 36.7	
CONWAY	MAX 37	54	48	54	54	72	75	75	74	73	72	74	74	75	75	74	75	69	58	64	59	59	65	64	55	59	60	65	57	57	65.0 37.6	
CORNING	MAX 35	55	44	50	51	52	64	75	72	74	70	70	73	77	74	77	67	68	73	45	52	54	54	53	50	49	50	65	63	54	61.0 36.2	
CROSSETT 7 5	MAX 39	64	51	50	58	69	78	78	78	76	72	75	80	76	70	68	76	73	68	65	71	62	63	62	60	68	69	69	61	65	68.1 37.7	
CUMMINS FARM	MAX 38	56	50	50	55	69	76	80	76	75	73	75	77	76	70	74	72	65	62	64	53	62	59	58	54	64	63	59	60	61	65.1 35.0	
DARONELLE	MAX 61	51	43	53	59	70	75	74	74	75	74	74	75	78	77	76	78	66	58	65	62	60	67	59	55	61	61	65	59	58	65.5 37.6	
DE QUEEN	MAX 33	52	42	57	61	72	71	75	78	75	75	75	77	78	72	77	80	71	39	30	32	43	27	34	28	38	37	36	25	39	65.7 35.7	
DES ARC	MAX 35	60	41	51	50	57	70	75	79	76	73	73	74	78	76	73	71	74	69	49	64	69	58	61	59	52	60	63	65	57	64.4 35.9	
DEVILS KNOB	MAX 36	48	36	45	55	72	71	71	70	69	70	71	70	72	70	70	67	63	50	62	61	54	60	53	48	48	59	55	50	44	59.5 40.7	
DUMAS 1	MAX 37	53	50	46	55	70	70	80	78	75	68	75	79	75	65	68	75	74	60	65	67	55	63	62	60	65	65	64	63	63	65.8 39.1	
EL DORADO CAA AP	MAX 33	49	48	49	59	70	79	77	77	76	74	77	76	74	74	79	78	65	73	77	72	63	67	70	55	64	61	61	72	70	67.5 39.0	
EUREKA SPRINGS	MAX 37	46	39	48	57	74	77	75	73	74	73	75	74	72	73	75	76	67	54	60	60	53	63	58	50	54	62	55	54	54	62.6 38.1	
FAYETTEVILLE	MAX 38	44	40	49	55	70	75	73	72	71	70	70	71	74	73	77	74	72	73	63	54	59	57	53	62	57	48	59	60	53	60.8 36.6	
FAYETTEVILLE CAA AP	MAX 52	39	40	49	58	72	78	76	74	73	73	72	72	72	72	73	72	53	53	59	58	52	63	52	49	59	61	53	50	54	61.1 33.0	
FAYETTEVILLE EXP STA	MAX 34	45	39	49	55	72	76	74	72	73	73	72	71	70	71	72	72	66	53	59	58	52	61	59	48	58	60	52	49	53	61.1 35.6	
FLIPPIN CAA AP	MAX 34	43	46	52	59	75	74	76	73	71	74	73	77	74	72	72	71	58	48	60	60	55	65	53	46	55	64	58	52	54	62.2 33.2	
FORDYCE	MAX 39	31	27	31	34	35	40	45	48	44	43	41	43	46	51	52	49	54	42	34	39	41	31	47	34	39	41	42	32	33	66.1 40.3	
FORT SMITH WB AP	MAX 37	45	41	55	59	70	76	74	73	72	73	72	76	76	74	76	79	61	61	63	65	61	66	58	52	61	65	59	56	56	64.5 38.8	
FT SMITH WATER PLANT	MAX 54	56	62	74	74	76	72	73	74	73	77	75	74	74	72	74	74	72	64	65	63	59	65	65	54	55	62	60	57	59	66.2 35.6	
GILBERT	MAX 35	50	47	53	59	77	77	79	75	73	76	77	77	76	74	73	71	67	42	36	28	40	24	43	31	23	31	42	22	22	64.6 32.1	
GRANNIS	MAX 58	51	47	51	56	66	75	74	74	73	72	72	74	77	71	75	75	70	60	66	65	60	62	57	56	63	62	54	57	54	64.3 38.3	
GRAVETTE	MAX 53	44	39	51	58	72	73	75	76	73	73	74	72	75	75	75	75	56	55	61	58	53	64	58	48	61	62	53	53	53	62.3 34.1	
GREEN MOUNTAIN	MAX 37	48	40	50	57	75	75	74	75	71	73	73	74	73	70	71	72	69	60	58	59	55	67	58	47	56	62	55	50	51	62.4 33.9	
HARRISON	MAX 34	25	21	33	24	34	34	40	42	40	35	35	36	37	36	35	37	40	42	33	32	42	27	40	32	27	42	30	26	27	63.3 40.4	
HELENA	MAX 56	56	50	55	51	64	77	81	72	71	68	71	72	72	73	73	74	67	67	56	56	55	58	58	53	59	58	60	60	56	65.8 38.1	
HOPE	MAX 37	64	49	44	54	58	33	79	77	76	72	71	71	74	77	78	64	64	69	58	64	69	58	64	60	71	67	58	58	65.8 38.1		

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1954

Table 5-Continued

Table with columns: Station, Day Of Month (1-31), MAX, MIN, and Average. Rows list various stations including Hot Springs, Jonesboro, Keo, Lead Hill, Little Rock, Magnolia, Malvern, Mammoth Spring, Marianna, Marked Tree, Marshall, Mena, Monticello, Morrilton, Mount Ida, Mount Magazine, Mountain Home, Mountain Home C of Eng, Narrows Dam, Nashville Peach Substa, Newport, Nimrod Dam, Okay, Ozark, Paragould, Paris, Perryville, Pine Bluff, Pine Bluff CAA AP, Pochontas 1, Portlando, Prescott, Rogers, Russellville, Saint Charles, Searcy, Sheridan, Siloam Springs, and Stuttgart.

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1954

Table 5-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	
STUTT GART 9 ESE	MAX	56	62	45	51	50	55	67	78	79	77	75	73	75	76	78	72	70	75	70	48	63	62	62	61	58	56	61	60	58	55	64.3
	MIN	35	30	22	23	28	27	35	42	44	44	42	44	37	38	38	39	48	57	53	47	33	35	32	31	33	27	28	39	38	28	30
SUBIACO	MAX	62	57	43	56	59	70	77	76	76	75	72	74	77	79	77	76	77	72	60	64	65	62	67	64	55	61	62	63	60	57	66.5
	MIN	35	24	22	32	28	29	38	42	46	46	40	38	42	46					47	48	37	45	32	43	30	36	41	39	39	43	
TEXARKANA WB AP	MAX	64	48	45	55	58	73	76	74	77	76	72	73	78	77	66	76	78	65	64	68	69	59	64	61	59	72	67	65	60	67	66.8
	MIN	38	35	33	36	32	35	42	45	46	46	44	42	45	51	54	48	48	47	46	39	42	43	33	45	33	42	41	40	32	40	
TURNPIKE	MAX	52	42	36	43	54	67	72	72	71	70	69	71	69	70	75	72	67	60	60	60	58	55	51	55	60	60	52	49	46	54.8	
	MIN	32	18	28	30	31	41	51	54	54	50	49	51	51	52	51	50	51	44	42	38	37	35	37	34	31	24	32	29	28	35	
WALDRON	MAX	60	58	43	54	60	76	80	77	74	74	75	76	77	77	74	75	78	67	59	63	64	58	57	60	52	65	64	59	55	57	65.9
	MIN	36	26	23	33	23	28	35	35	46	39	35	34	34	41	40	38	34	49	32	29	31	25	25	42	31	36	32	34	24	32	
WALNUT RIDGE CAA AP	MAX	56	45	50	50	56	69	74	75	72	72	72	76	76	76	75	70	68	72	53	55	56	57	60	56	48	53	65	63	55	60	62.5
	MIN	30	24	20	33	26	34	33	38	43	42	38	36	30	38	43	51	48	45	43	35	32	39	32	38	27	20	37	41	29	27	
WARREN	MAX	59	57	49	47	56	69	79	81	79	75	75	75	76	74	76	63	76	73	67	67	68	58	63	63	56	67	63	68	65	66	67.3
	MIN	40	33	24	39	30	30	41	40	43	44	41	40	43	49	43	55	48	52	45	36	30	42	31	43	38	34	45	45	30	34	
WHITE ROCK	MAX	46	38	34	45	52	67	70	70	70	70	69	70	68	73	71	69	69	61	51	60	60	53	58	52	48	50	60	56	50	44	58.5
	MIN	31	17	27	28	31	41	50	52	55	53	51	53	52	54	54	54	51	45	30	40	36	40	35	36	32	29	34	34	29	36	
WILSON	MAX																															62.5
	MIN																															
WYNNE	MAX	58	43	52	46	54	67	75	77	76	75	73	75	79	77	77	65	69	73	65	57	57	56	60	58	51	57	63	58	54	58	62.5
	MIN	34	23	18	37	24	34	35	41	50	42	45	38	43	49	47	55	54	54	40	32	30	38	28	37	32	26	43	46	25	29	

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total Evap 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	31	
GL-KELY MIN DAM	EVAP	-	.14	.09	.01	.06	*	*	.25	.10	.06	*	.18	*	*	.25	.13	.11	.09	.02	*	*	.31	.06	.13	*	.25	*	*	.25	.08	2.688
	WIND	-	.95	.52	.56	.68	*	*	.84	.32	.24	*	.67	*	*	.92	.42	.34	.42	.91	*	*	.199	.52	.78	*	.141	*	*	.163	.51	
HOPE	EVAP	-	.14	.14	-.04	*	.10	.16	.07	.10	.16	.08	.08	*	.13	.14	.03	.08	.06	.14	*	.17	.12	.01	*	.23	.04	*	.20	.12	2.728	
	WIND	-	.52	.30	.28	.37	*	.11	.17	.6	.6	.20	.15	.12	*	.62	.26	.9	.19	.40	.46	*	.39	.14	.27	*	.77	.34	*	.44	.31	
NARROWS DAM	EVAP	.08	.09	.08	.04	.05	.06	.09	.09	.14	.08	.12	.11	.08	.08	.16	.08	.11	.11	.04	.12	.09	.15	.06	.09	.13	.06	.13	.06	.10	.09	2.77
	WIND	.23	.44	.30	.33	.38	.17	.17	.12	.36	.43	.37	.38	.43	.49	.50	.30	.20	.30	.60	.54	.18	.46	.23	.27	.54	.29	.54	.24	.43	.26	
NIMROD DAM	EVAP	.12	.12	*	.13	.05	.07	.10	.10	.12	.10	.08	.03	.11	.07	.09	.10	.08	.10	.08	.07	.09	.05	.05	.13	.19	.12	.10	.06	.11	.06	2.68
	WIND	.19	.43	.15	.17	.18	.8	.7	.5	.0	.5	.10	.10	.5	.8	.2	.10	.12	.14	.81	.51	.14	.5	.4	.53	.76	.48	.20	.10	.56	.4	
RUSSELLVILLE	EVAP	.07	.09	.03	.02	.05	.05	.07	.03	.08	.06	.06	.08	.03	.06	.08	.08	.05	.01	.03	.09	.04	.03	.03	.14	.07	.07	.06	.05	.07	.08	1.76
	WIND	.17	.19	.5	.15	.7	.4	.7	.5	.3	.3	.2	.3	.4	.5	.7	.5	.11	.7	.44	.4	.14	.4	.8	.39	.31	.24	.14	.20	.12	.28	
STUTT GART 9 ESE	EVAP	-	*	*	.20	*	.09	.05	.05	.05	.08	.08	.13	.08	.11	.10	.04	.06	.07	.05	.05	.06	.06	*	.06	.17	.04	.14	.05	.03	.06	2.038
	WIND	-	.68	.20	.16	.14	.19	.46	.6	.18	.3	.19	.17	.12	.11	.25	.26	.59	.7	.34	.127	.62	.25	.21	.28	.66	.118	.39	.79	.66	.12	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

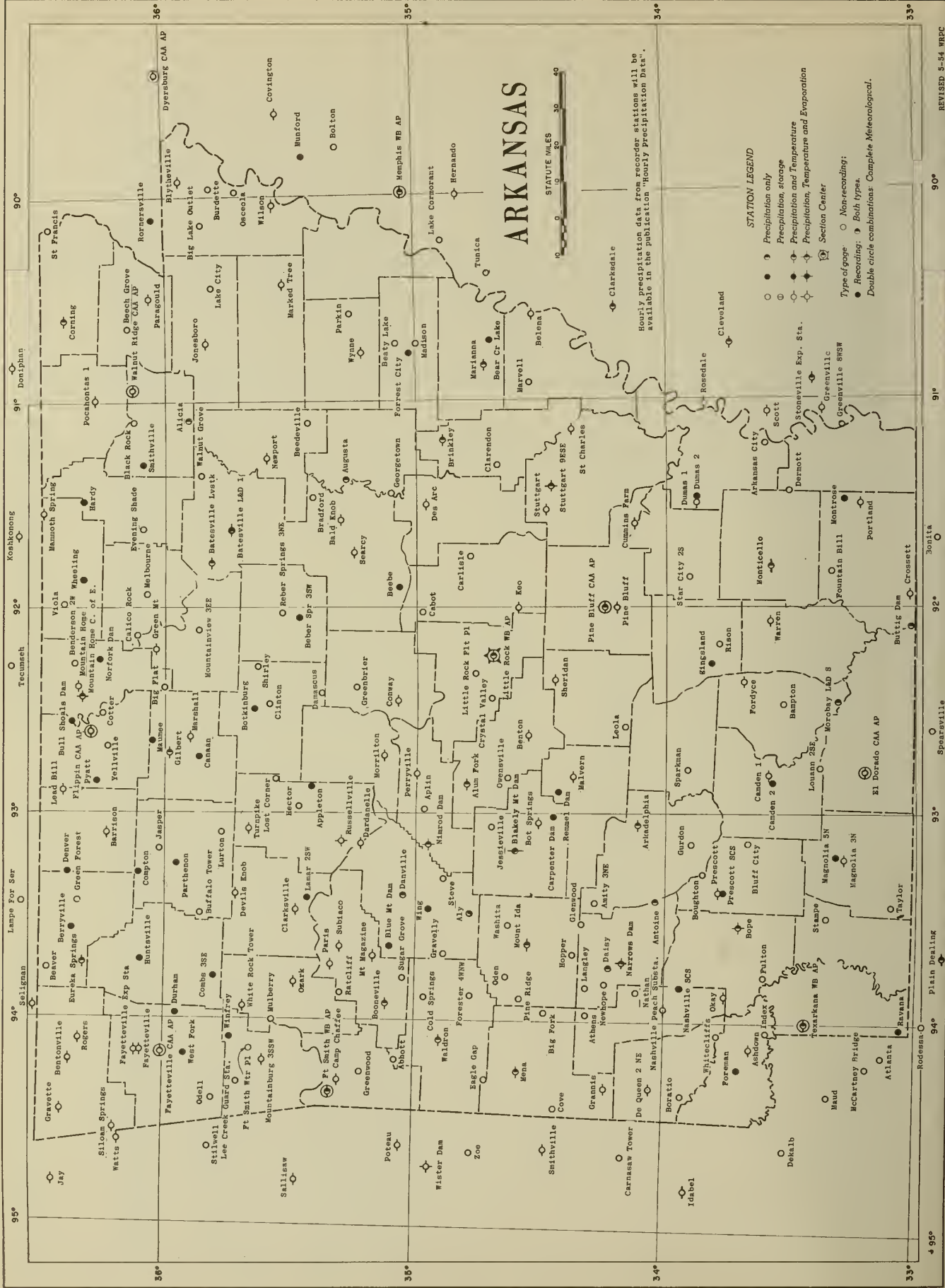
Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

- o Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- S Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

W.R.P.C., Kansas City, Mo. -- 1-12-55 -- 1005



ARKANSAS

Hourly precipitation data from recorder stations will be available in the publication 'Hourly Precipitation Data'.

STATION LEGEND

- Precipitation only
- Precipitation and storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gauge ○ Non-recording;
● Recording; ○ Bolt types.
- Double circle combinations: Complete Meteorological.

1.05
MAR
.59'2

Nat. Hist. Serv.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
MAR 7 1955
UNIVERSITY OF ILLINOIS

use to avoid pay-
ment of postage
\$300.

DECEMBER 1954

Volume LIX No. 12

U. S. Department of Commerce
OFFICIAL BUSINESS
WEATHER BUREAU
Permit No. 1024
NWRG-Ashville, N. C.

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
03
URBANA, ILL.



ASHEVILLE: 1955

NAT.
HIST.

ARKANSAS - DECEMBER 1954

WEATHER SUMMARY

Temperatures averaged slightly above normal and rainfall 13% above normal. Farm activities consisted principally of the usual fall chores, caring for livestock, fencing, clearing, butchering, hunting, etc.

The first three weeks averaged cooler than normal; the fourth week, mild. The 29th and 30th were cool and a new warm spell began on the last day of the month. Temperatures over the southeast portion and in the extreme southwest averaged below normal; elsewhere, temperatures were mostly warmer than normal with the greatest departure, +2.9°, at Perryville, about 40 miles northwest of Little Rock. Monthly mean temperatures ranged from 37.8° at Siloam Springs to 48.5° at Okay. The coldest temperature registered during the month was 8° at Siloam Springs on the 30th; the warmest was 75° at Arkadelphia on the 23d.

Rainfall for the State as a whole averaged 4.75 inches. In general, the southeast and southwest counties received less than four inches; the northeastern counties and several counties southeast of Fayetteville received over six inches. Bradford with 8.49 inches and White Rock with 8.16 inches received the most. The least was 1.52 inches at Fountain Hill. The two principal precipitation periods were the 11th and 12th and from the 26th to the end of the month. Most stations reported no snow during the month or only flurries. Snowfall in measurable amounts occurred at a number of stations, however, the greatest fall, 8.5 inches, occurred at Gravette in the extreme northwest corner of the State.

Early in December, the weather was favorable for outdoor work but the soil was too dry for plowing. Some cotton was pulled but some remained in the fields even after the middle of the month. Pastures were poor and feed was scarce. Livestock required supplemental feeding and selling was heavy. Besides caring for livestock and a small amount of field work, farm activities consisted mostly of clearing, fencing, butchering, and hunting. The soil moisture situation improved at the last of the month due to the generous rains. Some streams rose four to six feet. Winter grains and pastures improved but the farm ground became too wet for plowing.

There were no severe storms nor floods.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
DECEMBER 1954

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AP	ENE	21	7.0	29	SW	16	78	82	63	68	2	0	1	2	1	1	7	51	5.7
LITTLE ROCK WB AP	WNW	10	9.1	38	N	5	71	76	58	61	4	2	2	1	2	0	11	47	6.3
TEXARKANA WB AP	-	-	-	-	-	-	-	-	-	-	3	3	2	0	1	1	10	-	-

COMPARATIVE DATA

DECEMBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	46.9	72	13	4.69	-	1916	42.1	82	-16	3.35	4.5	1941	44.7	80	14	3.67	0.3
1892	40.9	83	-10	5.79	0.7	1917	34.8	81	-21	1.29	6.2	1942	42.7	80	16	4.87	0.6
1893	45.4	79	3	1.83	T	1918	47.6	88	9	5.62	0.2	1943	40.7	82	-5	3.43	0.7
1894	44.6	82	-11	3.48	1.3	1919	40.4	78	1	1.94	T	1944	38.0	76	4	7.86	0.4
1895	43.8	78	5	3.96	1.4	1920	43.2	74	6	5.95	0.4	1945	37.7	79	-12	2.25	2.1
1896	45.8	81	8	0.84	T	1921	47.1	82	11	2.78	T	1946	48.3	81	4	4.18	0.6
1897	40.3	81	10	6.00	2.2	1922	47.8	86	12	4.59	T	1947	44.2	78	10	4.22	0.2
1898	39.5	76	-4	1.87	2.9	1923	49.1	80	9	6.24	T	1948	44.3	83	8	4.03	T
1899	41.0	74	8	4.08	1.3	1924	41.4	86	-8	3.55	0.3	1949	44.9	85	9	4.77	0.1
1900	44.9	82	10	2.76	T	1925	40.2	81	-6	1.71	0.3	1950	38.6	81	-8	1.25	1.3
1901	38.5	87	-6	4.42	1.3	1926	43.3	79	-3	7.15	2.1	1951	43.9	84	-1	3.76	T
1902	40.8	75	5	5.71	3.3	1927	40.9	84	-2	4.18	0.1	1952	42.7	80	12	3.66	T
1903	39.7	74	6	3.44	0.7	1928	43.4	87	10	4.41	T	1953	41.1	72	0	3.15	T
1904	42.9	80	3	5.10	0.6	1929	44.4	82	-5	3.84	2.7	1954	43.1	75	8	4.75	0.5
1905	38.5	69	7	4.96	1.4	1930	40.6	83	9	2.58	0.9	All Years	42.8			4.17	1.0
1906	46.5	83	10	5.64	0.2	1931	48.7	78	17	7.79	T						
1907	44.4	85	11	2.70	0.7	1932	39.9	79	-5	7.86	3.6						
1908	46.0	82	11	1.50	0.2	1933	49.3	83	11	5.41	0.1						
1909	35.3	82	1	5.26	3.2	1934	41.5	74	4	3.78	0.2						
1910	40.8	75	9	3.57	0.8	1935	37.6	73	-4	2.95	2.8						
1911	43.0	78	3	7.00	1.0	1936	45.5	78	13	5.32	T						
1912	41.7	76	8	2.63	1.2	1937	42.2	78	0	4.61	0.1						
1913	43.6	77	14	3.26	2.3	1938	44.6	74	6	2.93	T						
1914	36.1	70	-11	6.26	4.3	1939	45.5	84	5	2.46	1.4						
1915	43.9	78	11	4.73	0.3	1940	46.7	77	14	3.90	T						

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
DECEMBER 1954

Table 5 - 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	
		STUTT GART	MAX	65	59	62	69	66	50	46	63	61	57	51	45	42	48	55	60	59	44	46	53	61	60	69	57	62	64	61	62	46	
	MIN	50	33	29	37	49	28	23	38	34	26	37	41	36	25	32	30	39	33	24	26	29	30	32	35	32	44	51	46	36	26	34	
STUTT GART 9 ESE	MAX	61	64	50	60	65	67	44	51	62	55	56	50	49	46	42	52	59	45	42	42	58	63	60	68	55	65	61	65	59	40	49	
	MIN	36	29	25	28	29	28	20	21	30	22	29	36	36	25	25	28	34	29	25	24	26	26	29	31	28	38	45	53	37	27	30	
SUBIACO	MAX	62	57	63	66	70	51	45	61	54	54	50	44	41	48	53	64	61	41	46	57	62	61	65	62	67	69	65	64	45	48	64	
	MIN	44	33	28	33		29	25	32	28	25	39	38	33	20	20	30	35	29	22	29	28	29	27	30	34	44	53	36	29	26	32	
TEXARKANA WB AP	MAX	66	57	68	73	70	49	43	69	58	62	53	46	46	55	58	67	50	48	51	60	68	63	65	62	69	69	68	63	46	50	58	
	MIN	36	31	35	43	44	32	27	42	35	31	44	39	30	27	35	40	36	33	29	29	33	34	32	37	36	53	59	38	32	25	45	
TURNPIKE	MAX	52	45	52	63	57	40	38	49	45	40	43	43	31	42	45	52	50	42	38	47	59	54	63	59	55	54	54	54	34	39	51	
	MIN	42	27	35	47	37	21	20	30	30	24	30	31	24	21	29	37	31	26	19	27	36	33	43	32	34	48	49	31	24	20	33	
WALDRON	MAX	57	55	68	69	70	53	44	64	54	55	52	44	41	52	55	64	60	42	47	60	62	60	68	63	67	70	65	62	39	52	62	
	MIN	43	26	25	28	50	22	18	36	37	19	39	36	28	20	30	27	34	28	26	22	22	21	20	23	27	53	56	35	28	17	33	
WALNUT RIDGE CAA AP	MAX	59	48	57	65	61	40	40	54	51	53	48	41	37	45	51	51	53	40	37	45	52	50	68	51	58	63	58	59	40	46	53	
	MIN	36	29	26	32	32	26	24	34	31	25	39	35	29	26	29	27	31	30	27	22	26	26	31	29	25	40	49	36	31	26	35	
WARREN	MAX	63	59	64	61	69	53	43	64	65	65			50	48	56	64	60	48	48	55	67	64	70	58	68	63	65	65	51	48	58	
	MIN	55	34	33	37	53	29	22	36	32	24			37	23	34	28	43	34	27	26	29	31	31	37	30	44	54	48	35	24	37	
WHITE ROCK	MAX	50	46	59	60	57	44	36	52	47	47	48	44	30	45	50	54	51	32	40	49	59	57	63	54	50	53	55	56	36	39	55	
	MIN	38	31	32	47	38	24	21	28	28	31	37	28	23	22	28	36	28	27	20	29	39	36	43	36	35	47	49	30	21	20	31	
WILSON	MAX																																
	MIN																																
WYNNE	MAX	61	52	57	68	66	44	43	58	58	56	48	43	42	46	52	54	56	43	40	47	58	55	66	52	62	64	58	62	44	49	50	
	MIN	50	25	23	32	44	27	22	32	33	20	39	39	35	22	31	28	38	32	30	19	31	25	36	27	27	48	50	44	35	24	32	

EVAPORATION AND WIND

Table 6

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	31	
		BLAKELY MOUNTAIN DAM	EVAP	.08	.06	.05	*	*	*	.36	.08	*	*	*	.19	*	.08	.08	.13	*	*	*	*	.30	*	*	*	*	.27	.03	-	-	
	WIND	52	44	19	*	*	303	36	66	76	51	*	*	229	45	74	37	147	*	*	222	33	42	26	*	*	150	69	* 162	27	1910		
HOPE	EVAP	.03	.08	.05	.04	.15	*	*	.56	.10	.09	.04	-	-	.15	.02	.08	.11	.06	*	.07	.10	.05	.05	*	*	*	.15	-	.05	.13	2.798	
	WIND	15	42	18	5	117	*	59	29	45	25	9	*	75	64	21	17	66	53	*	42	40	3	9	*	*	102	22	69	40	7	994	
NARROWS DAM	EVAP	.05	.05	.05	.04	.03	.14	.08	.04	.06	.06	.08	-	.04	*	*	.25	.08	*	*	*	*	*	*	.24	.07	.08	.06	.08	.08	*	.11	1.838
	WIND	37	24	20	26	59	82	31	28	43	38	27	46	69	15	31	16	104	75	76	24	15	25	14	20	25	30	50	56	60	46	14	1226
NIMROD DAM	EVAP	.08	.07	*	.06	.06	*	*	.03	*	.17	*	.03	*	.28	.06	*	*	.18	*	.11	.08	.06	.09	.08	.01	.02	.04	*	.17	1.68		
	WIND	9	3	1	7	75	21	3	5	58	57	14	2	37	19	31	34	102	7	147	33	12	5	14	1	3	18	33	53	15	111	6	936
RUSSELLVILLE	EVAP	.02	.06	.08	*	.06	.05	.05	.03	.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	528
	WIND	8	5	3	8	58	16	14	19	45	4	10	20	19	9	25	19	58	34	24	9	5	4	9	7	10	7	5	23	17	24	10	28
STUTT GART 9 ESE	EVAP	.12	.06	*	.08	.04	*	*	.08	.00	*	.02	*	*	*	*	.18	.05	*	*	*	*	*	*	*	*	.28	.07	-	-	-	.03	1.128
	WIND	43	26	13	24	108	79	48	38	92	61	20	61	88	44	64	66	88	109	81	51	7	16	14	20	24	53	68	22	151	128	28	1735

SNOWFALL AND SNOW ON GROUND

ARKANSAS
DECEMBER 1954

Table 7

Station	Snowfall SN ON GND	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			
CALICO ROCK	SNOWFALL SN ON GND	T																																	
OANVILLE	SNOWFALL SN ON GND																																		T
OUMAS 1	SNOWFALL SN ON GND																				T														
EL OORADO CAA AP	SNOWFALL SN ON GND																				T														
EUREKA SPRINGS	SNOWFALL SN ON GND												- 1						T T														T	- 3	
FAYETTE EXP STATION	SNOWFALL SN ON GND												T T	T T					T T	T T													3.0 2		
FORT SMITH WB AP	SNOWFALL SN ON GND																			T													T		
GILBERT	SNOWFALL SN ON GND												T							T T															
GRAVETTE	SNOWFALL SN ON GND																		T	0.5													8.0 -		
JONESBORO	SNOWFALL SN ON GND																			T	T												T		
LITTLE ROCK WB AP	SNOWFALL SN ON GND																			T															
MAMMOTH SPRING	SNOWFALL SN ON GND																			T T															
MARIANNA	SNOWFALL SN ON GND																					T													
MARKEO TREE	SNOWFALL SN ON GND																				T	T													
NEWPORT	SNOWFALL SN ON GND																					T													
OZARK	SNOWFALL SN ON GND																					T											T		
PINE BLUFF CAA AP	SNOWFALL SN ON GND																				T														
POCAHONTAS 1	SNOWFALL SN ON GND																				T														
PRESCOTT	SNOWFALL SN ON GND																						T												
ROGERS	SNOWFALL SN ON GND												1.5 1							T	0.8 1											4.5 3			
SEARCY	SNOWFALL SN ON GND																					T													
TEXARKANA WB AP	SNOWFALL SN ON GND																				T														
WALDRON	SNOWFALL SN ON GND																																	T	

See reference notes following Station Index.

STATION INDEX

ARKANSAS
DECEMBER 1954

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time	Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time	Observer	Refer to tables
				Temp.	Precip.														
Abbott	0096	Scott		1 35 04	94 12 624		7A	James V. Williams	3	Lorton	4386	Newton		7 35 46	93 05	2007	8A	Lola I. Dollar	3
Alicia	0064	Lawrence		7 35 54	91 05 256		7A	Ruby S. Owens	3	Madison	4528	St. Francis		5 35 00	90 43	215	7A	Dawen E. Ghent	3
Alum Fork	0130	Saline		1 34 48	92 52 755		SP	L. R. Water Works	2 3 5	Magnolia 3 N	4548	Columbia		4 33 19	93 14	315	6P	Earl E. Graham	2 3 5 7
Aly	0136	Aly		3 34 47	93 29 854		7A	Gura B. Swain	3	Walvern	4662	Bot Spring		3 34 22	92 49	311	SP	Odus E. Albritton	2 3 5
Ashly 3 NE				3 34 47	93 25		7A	Mrs. Alta F. Garner	3										
Antoine	0178	Pike		3 34 02	92 25 285		8A	Drew A. Lash	3										
Apita	0188	Perry		1 34 58	92 59 400		7A	Bessie L. Edwards	3										
Appleton	0196	Pope		1 35 25	92 53 522		MID	John A. Jones	2 3 5										
Arkadelphia	0220	Clark		3 34 07	93 03 200		6P	W. B. Balliburton	3										
Arkansas City	0234	Oesa		2 33 37	91 12 145		8A	John W. Trammell	3										
Ashdown	0286	Little River		4 33 40	94 08 329		7P	Southwestern G & E	2 3 5										
Athens	0300	Howard		4 34 19	93 08 960		7A	Arra D. Parker	3										
Augusta	0326	Woodruff		7 35 17	91 22 218		4A	David G. Griffiths	2 3 5										
Bald Knob	0458	Independence		7 35 49	91 47 471		9A	Univ. of Arkansas	2 3 5										
Batesville Livestock				7 35 49	91 47 471														
Bear River L & D I	0490	Independence		7 35 45	91 38 277		5P	James J. Mitchum	2 3 5										
Beck Creek Lake	0466	Lee		7 34 43	90 42 220		MID	Soil Cons. Service	3										
Beatty Lake	0512	St. Francis		5 35 05	90 43 400		6P	H. E. Adams	2 3 5										
Beaver	0518	Carroll		7 36 28	91 46 930		7A	H. E. Skelton	3										
Beekton	0520	White		7 35 04	91 53 250		MID	Lowell E. Perkins	3										
Beekton	0520	White		7 35 04	91 53 250														
Beekton	0520	White		7 35 04	91 53 250														
Beekton	0520	White		7 35 04	91 53 250														
Beekton	0520	White		7 35 04	91 53 250														
Beekton	0520	White		7 35 04	91 53 250														
Beekton	0520	White		7 35 04	91 53 250														

NEW STATIONS

Heber Springs 3 NE	3226	Cleburne		7 35 32	92 01	595		7A	Hester B. Logan	3									
Daville SCS	1835	Yell		1 35 04	92 24	370		MID	Soil Conservation Ser										

† Continuation of Sugar Loaf Mountain record.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- ⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, Asheville, N. C. -- 2-14-55 -- 1005

CORRECTIONS

- April 1950: Nimrod Dam, Table 2, mean temperature should be 56.8M.
Nimrod Dam, Table 5, mean max should be 67.7.
- June 1954: Weather Summary, last line of fourth paragraph in Severe Storm Data should read "near Atkins, Pope County".
- June 1954: Fordyce, Table 2, days with max of 90 or above should be missing.
- August 1954: Booneville, Table 2, mean min should be 73.7, mean 87.7, lowest 68 on the 13th, and degree days 0.
Booneville, Table 5, min temperatures for the 1st - 31st inclusive should be 73, 70, 73, 75, 81, 75, 79, 76, 70, 70, 70, 76, 68, 72, 75, 75, 80, 72, 76, 71, 74, 75, 73, 74, 73, 73, 74, 73, 75, 73, 72.
- October 1954: Mountain Home C of Eng., Table 2, days with max 90° or above should be missing.
- November 1954: Helena, Table 2, delete mean max, mean temperature, departure, highest and date, and total degree days.
Helena, Table 5, delete all max temperatures.

1.05
VAR
59 '13

Nat. Hist Lib

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
MAY 6 1955
UNIVERSITY OF ILLINOIS

ANNUAL SUMMARY 1954
Volume LIX No. 13



ASHEVILLE: 1955

MAY 11 1955

NAT.
HIST.

ARKANSAS - 1954

WEATHER SUMMARY

The year was hot and dry. The average annual temperature was 63.3 degrees which was 1.9 degrees above normal and was the second hottest year since 1891. The average annual rainfall was 37.88 inches which was 10.94 inches below normal and was the sixth driest year of record.

January brought slightly above normal temperatures followed by a very warm February, 7.0 degrees above normal. Brief coolings in March, 1.6 degrees below normal and in May, 4.3 degrees below normal were the only months that were substantially below normal. After a few days below normal, April rapidly warmed into the second highest of record which was 4.8 degrees above normal with an average of 66.4 degrees. This trend continued in June with 2.5 degrees above normal and reached its apex in July, the hottest of any previous month of record, with an average of 85.8 degrees which is 5.3 degrees above normal. The extreme temperatures of July carried over into August to make it also one of the hottest of record with 85.3 degrees which like July was 5.3 degrees above normal. This was the second hottest summer of record. The average temperature for the period of June, July, and August was 83.6 degrees while the normal average for that period is 79.2 degrees. High temperatures continued until the middle of October when temperatures began falling generally until at the close of the month freezing temperatures had spread over the entire State. Temperatures were near normal in November and slightly above in December.

This was among the driest of all years of record and ended a three-year period drier than any other three-year period on record. The only similar period on record ended in 1901 with a period average of 41.93 inches compared to 41.48 inches for the three years ending in 1954. Months with above normal rainfall were January, May, October, and December. Of the other eight months June was driest averaging only 1.28 inches. A brief relief from the drought came in May when the average rainfall was 5.43 inches and more permanent relief came in October with an average rainfall of 4.97 inches. The greatest annual total, 50.23 inches fell at Eagle Gap and the least, 28.73 at Damascus. Heaviest rainfall totals were in the southwest and at scattered stations of the northwest. Most serious deficiencies were in the southeast and east central portions of the State.

Principal crop production in 1954 was down five percent in value from the 1953 total but was slightly higher than the 1943-52 average. Cotton ranked first in value but was eight percent below 1953. Drought reduced crops of soybeans, hay, and corn. However, oat production in 1954 nearly doubled the previous year's crop. Valued at \$10,811,000, this was a record high for oats. Extensive damage to tender crops resulted from a cool period with frosts on May 3 and 4. Progressive deterioration of crops and pastures because of dry weather and high temperatures occurred from June through September. One exception was cotton which generally survived this combination of adverse weather. Widespread and adequate rainfall in October revived pastures and restored water reserves.

STORMS

Severe storms of the year began on February 15 with tornadoes occurring at Clarksville and in the Kellum Community of Sevier County, and a windstorm in southwestern Conway County. Damage was extensive. Tornadoes on the 16th and 19th at Sulphur Springs Community and at Greenwood caused considerable damage and on the 27th a tornado and hailstorm occurred in Phillips County. In March on the 24th and 25th there were two tornadoes in Benton County with no loss of life but four people were injured. Damaging winds occurred in Boone County at the same time. In April losses from severe storms of all kinds totaled an estimated \$455,000. There were nine tornadoes, considerable high winds and hailstorms. Three persons were injured by tornadoes and two by lightning. In May extensive damage to crops and property resulted from hail, heavy rains, lightning, five tornadoes, and windstorms on the 1st, 2nd, 9th, 29th, and 31st. June had hail, high winds, electrical storms, and three tornadoes with an estimated property loss of \$424,125. Severe storms in July included two tornadoes, several hailstorms and windstorms. There were three persons injured from high winds and one death by lightning. Total loss was estimated at \$86,660. In August severe local storms occurred on the 19th, 28th, 29th, and 30th with an estimated loss of \$122,000. This included damage to principal crops from hail. One tornado occurred in Sevier County. One man was killed by lightning on the 28th. No severe storms were reported from September through December.

Marion G. Talcott

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Table 2

ARKANSAS 1954

Table with columns for Station, month (January to December), and Annual. Each month has two sub-columns: Precipitation and Departure. The table lists numerous stations such as ABBOTT, ALUM FORK, AMITY 3 NE, etc., with numerical values for each category.

See reference notes following Station Index.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Table 2-Continued

Table with columns for Station, January through December, and Annual. Each month is divided into Precipitation and Departure. Data is provided for numerous locations including Little Rock, Stuttgart, and various regional sites.

See reference notes following Station Index.
- 153 -

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

Table with columns: Station, Highest, Date, Lowest, Date, and two sections: Last spring minimum of (with sub-columns for 16°, 20°, 24°, 28°, 32°, 32°, 28°) and First fall minimum of (with sub-columns for 24°, 20°, 16°), plus Number of days between dates (with sub-columns for 16°, 20°, 24°, 28°, 32°). Rows list various Arkansas stations like ALUM FORK, ARKADOLPHIA, BENTON, etc.

See reference notes following Station Index. - 154 -

TOTAL EVAPORATION AND WIND MOVEMENT

ARKANSAS
1954

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
BLAKELY MTN DAM	EVAP	1.72B	3.30B	4.25B	5.60B	6.47B	9.57B	11.01	11.27	7.61	3.79B	2.68B	1.89B	69.16
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	2170B	2128B	2404	2283	1924	1696B	1555	1621	1332	1369B	1513B	1910	21905
HOPE	EVAP	-	37.79	4.73B	5.34B	5.48B	7.09B	9.32B	9.20B	-	-	2.72B	2.79B	-
	DEP	-	+1.13	+0.35	-0.20	-0.93	-0.01	+1.27	+1.57	-	-	+0.05	+0.82	-
	WIND	-	1454B	1683B	1117	798	482	502	537	-	-	726B	994	-
MOUNTAIN HOME C OF E	EVAP	-	-	-	6.39	6.04	7.92B	10.13B	9.56	8.21B	4.24B	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	1696	993	861	1036	1159	1065	1070	-	-	-
NARROWS DAM	EVAP	1.88B	3.32	4.02	5.59B	4.96B	9.09	10.37B	10.56B	8.04B	3.91B	2.77	1.83B	69.34
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1161	1172	1343	1297	935	849	957	1023	1056	962	1046	1226	13027
NIMROD DAM	EVAP	-	3.54	3.82B	5.25	5.36B	8.36B	9.59	9.46B	7.51B	3.32B	2.68	1.68	-
	DEP	-	-	-	-	-0.60	+1.20	+1.72	+2.28	+1.99	-0.92	+0.16	-	-
	WIND	-	1277	1015	747	518	703	700	782	673	591	630	936	-
RUSSELLVILLE	EVAP	-	2.50	3.28	5.90	5.35B	7.33	9.18	8.81	6.81B	3.40B	1.76	-	-
	DEP	-	+0.36	-0.58	-0.13	-0.68	+0.54	+1.35	+1.38	+1.26	-0.66	-0.29	-	-
	WIND	-	758	754	542	440	409	530	453	445	449	371	-	-
STUTTART 9 ESE	EVAP	-	2.62	3.28	4.14	4.31	7.79B	8.32	8.05	6.26	3.72B	2.03B	1.12B	-
	DEP	-	+0.86	-0.14	-0.61	-1.60	+0.69	+0.90	+0.99	+1.08	+0.04	-0.05	-0.10	-
	WIND	-	1972	2227	1781	1265	1488	1195	1134	927	1098B	1127B	1735	-

CHANGES IN STATION NAMES

NEW NAME

OLD NAME

DATE

Aly	Aly 2 NW	March
De Queen	De Queen 2 NE	June
Heber Springs 3 NE	Sugar Loaf Mountain	May
Mountain View	Mountain View 3 E	June

RELOCATIONS

Aly	Equipment moved 2 miles SE	March 16
Beebe	Recording gage moved 4 blocks N	August 9
Benton	Equipment moved 1000 feet S	March 29
Brinkley	Equipment moved 1.2 miles E	October 26
Camden 1	Instrument shelter moved 25 feet W	January 20
Cotter	Rain gage moved 2 blocks E	August 1
De Queen 2 NE	Equipment moved 1.2 miles E	March 1
De Queen	Equipment moved 2.2 miles WSW	June 1
Des Arc	Equipment moved 1 block E	October 28
Dumas 2	Recording gage moved 1 mile WNW	September 14
Fort Smith Water Plant	Rain gage moved 150 feet NE	August 6
Heber Springs 3 NE	Equipment moved 3 miles N	May 25
Mammoth Spring	Equipment moved 1/4 mile NW	August 10
Mountain View	Rain gage moved 3 miles WNW	June 1
Newport	Equipment moved 150 feet E	January 15
Taylor	Rain gage moved 110 feet S	January 19

REFERENCE NOTES

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 Table 4. The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state. 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 in the June and December issues of Climatological Data.

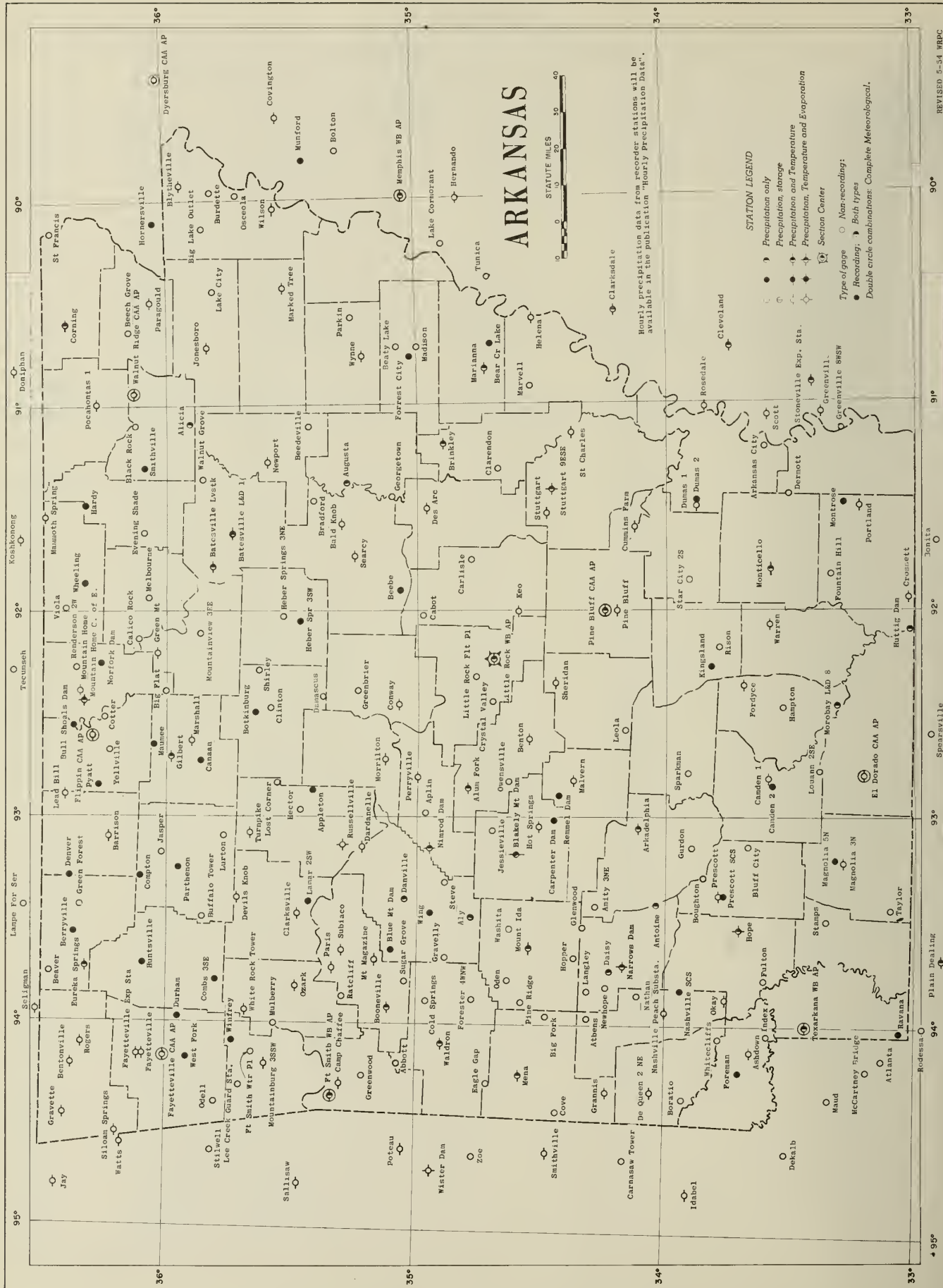
Data for recorder stations denoted by "C" are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record.
- + Also later date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to full month.
- E Amount is wholly or partially estimated.
- M Less than a complete month of record available; if average value is entered, less than 10 days of record are missing; see monthly Climatological Data for detailed daily record.
- 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.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

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.

NWRC, ASHEVILLE, N. C. -- 4-19-55 -- 1155



ARKANSAS



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation
- Section Center
- Type of gage
- Non-recording
- Recording
- Both types
- Double circle combination: Complete Meteorological.

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C.

OFFICIAL BUSINESS
Permit No. 1024

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

Penalty for private
use to avoid pay-
ment of postage
\$300.

1.05
MAR
60'

~~Nat. Hist. Serv.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
APR 15 1955
UNIVERSITY OF ILLINOIS

JANUARY 1955
Volume LX No. 1



ASHEVILLE: 1955

APR 21 1955

~~NAT. HIST.~~

ARKANSAS - JANUARY 1955

WEATHER SUMMARY

January was dry with temperatures near normal. Snowfall averaged slightly more than normal. Farmers were engaged in various outdoor seasonal duties to be ready for spring work as soon as conditions become favorable. Winter grains and cover crops made slow growth because of low temperatures.

The first few days were very mild, especially on the 3d to 5th when temperatures at some stations averaged about twenty degrees above normal. Most stations reported their highest temperatures, which ranged from the middle 60's to the high 70's, on the 3d to 5th. A cold front entered the State on the 5th reducing minimum temperatures the following day to near freezing and maximum temperatures to near 50°. Temperatures the rest of the month averaged below normal. The especially cold days were the 13th, 14th, and 27th to 29th. All stations except one registered their lowest temperatures during the latter period. The coldest temperature was 5° above zero recorded at Batesville and Gilbert on the 29th.

Rainfall averaged less than an inch along the northern border and at scattered stations from Athens to Pocahontas. Most of the northern two-thirds of the State received less than two inches. Three inches or more fell along the southern edge with amounts ranging up to four inches at Arkansas City which recorded the greatest monthly total. No station reported more than normal precipitation. The extreme southeast received less than one inch below normal. Several counties in the northwest received from one to two inches below normal. A large area from Hot Springs eastward to Helena and northeastward to Pocahontas and St. Francis had deficiencies exceeding three inches. The most significant precipitation began as rain on the 9th changing to snow over the northern portion on the 10th. Snowfall from this storm exceeded ten inches at a few locations. Rain or snow also occurred on other dates but not in such generous amounts.

Cold temperatures after the first few days of the month caused the winter grains and cover crops to grow slowly. They were poor where too heavily grazed. The weather was too cold for field work except there was some plowing in the south. Other farm work included caring for livestock, repairing fence, butchering, cutting wood, cutting stalks, repairing machinery, clearing, and in general, getting ready for spring field work as soon as conditions are favorable. Some strawberries were damaged by drought and growers expected to plant additional acreage. Livestock required supplemental feeding because too little feed was furnished by winter grains. The month ended with mid-winter farm activities at a low ebb.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
JANUARY 1955

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	1.00-1.99	2.00 and over			Total
FORT SMITH WB AIRPORT	ENE	20	6.4	24	SW	31	80	83	62	66	4	2	1	2	0	0	9	50	6.0
LITTLE ROCK WB AIRPORT	S	10	9.2	33	NW	24	71	74	54	57	6	5	3	1	0	0	15	42	7.0
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	3	4	5	1	0	0	13	-	-

COMPARATIVE DATA

JANUARY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	41.6	71	13	5.34	-	1916	44.3	82	-6	9.39	0.5	1941	43.6	76	5	3.43	0.3
1892	34.7	74	-14	2.48	3.0	1917	44.0	82	-4	3.66	3.8	1942	38.1	83	-21	3.20	4.4
1893	38.5	80	-13	1.13	5.6	1918	27.3	80	-23	4.39	17.6	1943	41.8	87	-9	1.00	1.2
1894	43.5	77	-22	3.63	1.9	1919	41.4	75	-3	3.00	0.4	1944	42.2	82	-15	2.50	6.5
1895	36.9	78	-5	5.19	7.0	1920	39.6	82	11	6.49	0.8	1945	40.2	80	7	2.37	1.8
1896	41.4	78	4	4.09	1.0	1921	46.9	85	6	2.07	2.1	1946	41.1	78	5	7.50	1.7
1897	38.9	76	-2	6.78	1.0	1922	39.1	74	-4	2.63	1.0	1947	42.5	81	-4	2.33	0.9
1898	45.5	81	-10	7.93	T	1923	48.6	80	-15	5.78	0.1	1948	33.5	77	-7	3.32	5.0
1899	39.3	75	-9	5.91	2.3	1924	36.1	79	-6	3.19	0.4	1949	42.0	82	-3	10.16	3.1
1900	43.4	78	1	2.69	0.2	1925	40.8	76	-4	2.68	1.3	1950	47.2	87	6	9.63	0.7
1901	45.6	78	7	2.21	T	1926	40.5	77	-17	4.69	2.5	1951	41.5	80	-2	5.43	2.4
1902	38.0	79	2	4.13	1.8	1927	42.6	79	-1	5.41	0.1	1952	47.3	82	-10	3.86	T
1903	40.2	80	7	2.60	0.2	1928	42.7	90	-10	2.05	0.2	1953	45.2	77	-7	3.66	0.3
1904	38.9	75	-5	3.81	1.5	1929	39.4	79	-2	5.08	0.1	1954	41.5	81	-5	6.08	3.3
1905	33.3	73	13	4.58	3.6	1930	33.8	74	-22	9.16	5.0	1955	41.5	78	5	1.68	2.2
1906	43.1	82	-2	5.19	2.0	1931	42.3	76	0	1.14	0.4	ALL YEARS	41.4			4.41	2.0
1907	49.2	82	-8	5.80	0.8	1932	46.2	80	11	9.67	T						
1908	41.7	78	6	3.75	1.5	1933	48.8	81	11	3.67	T						
1909	43.8	82	-19	1.79	2.4	1934	44.5	78	2	2.85	0.1						
1910	41.8	78	-7	2.59	4.3	1935	43.6	86	-11	5.79	0.9						
1911	47.6	86	-9	1.02	0.2	1936	37.1	83	-1	1.05	3.5						
1912	34.3	79	-16	3.01	1.9	1937	41.9	80	9	12.61	0.7						
1913	44.0	78	-1	8.45	0.1	1938	42.5	81	4	6.48	T						
1914	46.6	82	7	1.57	1.5	1939	45.5	83	12	6.21	0.5						
1915	39.3	74	-3	4.38	2.3	1940	28.0	74	-14	1.56	5.9						

BEGINNING WITH 1955, AVERAGES HAVE BEEN WEIGHTED ACCORDING TO AREA AND ARE NOT COMPARABLE WITH UNWEIGHTED VALUES PUBLISHED IN THIS TABLE FOR EARLIER YEARS.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature												Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			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
	Max.	Min.																				
HIGHLAND DIVISION																						
ALUM FORK	53.5	32.1	42.8	2.2	68	4	11	29	681	0	0	18	0	1.01	- 2.57	0.40	18	T	0	0	0	0
ASHOOWN	55.8	33.9	44.9		78	5	14	29	619	0	0	17	0	2.37		0.66	10	0.0	0	0	0	0
BENTON	53.6	29.5	41.6	2.0	72	4	11	29	716	0	0	21	0	1.89		0.45	15	T	0	0	0	0
BENTONVILLE	47.7	27.9	37.8	1.2	67	3+	10	27+	836	0	0	24	0	0.90	- 1.77	0.26	6	2.0	0	0	0	0
BOONEVILLE	53.3	31.6	42.5		72	3	12	29	690	0	0	21	0	1.57		0.80	15	1.5	0	0	0	0
CAMP CHAFFEE	53.4	30.3	41.9		74	3+	12	29	713	0	0	21	0	1.37		0.60	10+	2.5	0	0	0	0
CLARKSVILLE	52.5	30.8	41.7		74	4	11	29	717	0	0	20	0	1.44		0.53	18	1.5	0	0	0	0
CONWAY	54.2	31.5	42.9	0.9	72	3	13	29	679	0	0	19	0	1.12	- 3.29	0.46	10	1.0	0	0	0	0
DARONELLE	54.2	32.6	43.4	2.2	74	4	15	29	663	0	0	19	0	1.11	- 2.45	0.61	15	0.0	0	0	0	0
OF QUEEN	56.1	32.8	44.5	1.3	76	4	14	29	628	0	0	16	0	1.66	- 2.06	0.70	15	0.0	0	0	0	0

See reference notes following Station Index.

DAILY PRECIPITATION

ARKANSAS JANUARY 1955

Table 3

Table with columns: Station, Total, Day of month (1-31), and rows for various stations including ABBOTT, ALICIA, ALUM FORK, ALY, AMITY 3 NE, ANTOINE, APLIN, ARKADELPHIA, ARKANSAS CITY, ASHMOON, ATHENS, AUGUSTA, BALO KNOB, BATESVILLE LIVESTOCK, BATESVILLE L AND O NO 1, BLATY LAKE, BEAVER, BEECH GROVE, BEEDEVILLE, BENTON, BENTONVILLE, BIG FLAT, BIG FORK, BIG LAKE OUTLET, BLACK ROCK, BLAKELY MOUNTAIN OAM, BLUFF CITY, BLYTHEVILLE, BOONEVILLE, BOUGHTON, BRADFORD, BRINKLEY, BUFFALO TOWER, BURDETTE, CABOT, CALICO ROCK, CAMOEN 1, CAMP CHAFFEE, CARLISLE, CLARENDOON, CLARKSVILLE, CLINTON, COLO SPRINGS, CONWAY, CORNING, COTTER, COVE, CROSSETT 7 S, CRYSTAL VALLEY, CUMMINS FARM, DAISY, DAMASCUS, DANVILLE, DARGONELLE, DE QUEEN, DERMOTT, OES ARC, DEVILS KNOB, DUMAS 1, EAGLE GAP, EL ORRAUO CAA AP, EURUKA SPRINGS, EVENING SHADE, FAYETTEVILLE, FAYETTEVILLE CAA AP, FAYETTEVILLE EXP STA, FLIPPIN CAA AP, FORDYCE 6 W, FORESTER 4 WNW, FORT SMITH WB AP, FT SMITH WATER PLANT, FOUNTAIN HILL, FULTON, GEORGETOWN, GILBERT, GLENWOOD, GRANNIS, GRAVELLY, GRAVETTE, GREEN FOREST, GREEN MOUNTAIN, GREENHRIER, GREENWOOD, GURDUM, HAMPTON, HARRISON, HEBER SPRINGS 3 NE, HECTOR, HELENA, HENDERSON 2 W, HOPE, HOPPER, HORATIO, HOT SPRINGS, HUTTIG OAM, INOEX, JASPER, JESSIEVILLE, JONESBORO, KEO, LAKE CITY, LANGLEY, LEAD HILL, LEE CREEK, LEOLA, LITTLE ROCK WB AP, LITTLE ROCK FILTER PL, LOST CORNER, LOUANN 2 SE, LURTON, MADISON, MAGNOLIA 3 N, MALVERN, MAMMOTH SPRING, MARIANNA.

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JANUARY 1955

Table 5

Table with columns for Station, Day Of Month (1-31), and Average. Rows list various stations like ALUM FORK, ARKADDELPHIA, ASHOWN, etc., with their respective temperature data for each day.

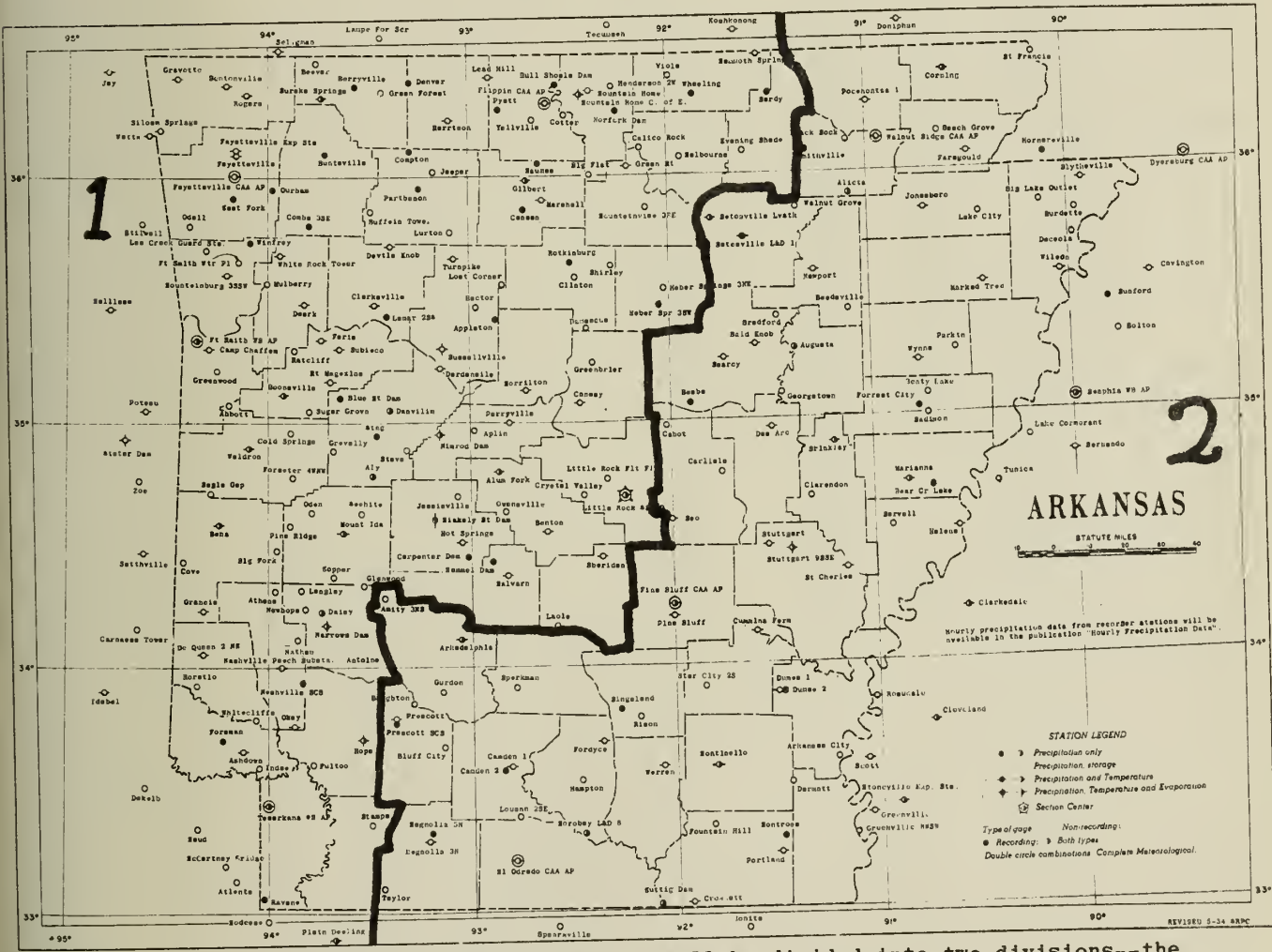
See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JANUARY 1955

Table 5-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			
STUTT GART 9 ESE	MAX MIN	54 40	68 34	66 42	69 50	72 57	72 42	47 31	48 32	55 40	51 37	38 30	38 30	54 24	37 24	42 27	50 36	50 29	59 32	40 32	38 30	41 30	54 29	48 28	46 25	53 27	59 30	59 29	35 26	41 18	45 20	44 29	50.9 31.9	
SUBIACO	MAX MIN	64 43	67 36	71 49	72 54	71 61	69 38	50 30	50 39	48 43	48 31	44 25	52 24	50 20	49 21	51 35	54 36	58 34	53 39	43 34	41 29	49 27	48 22	43 28	29 29	29 22	57 22	43 22	47 14	53 29	62 30	32.2		
TEXARKANA WB AP	MAX MIN	68 48	68 38	68 59	72 58	68 48	49 35	52 31	51 44	45 40	45 32	48 29	58 40	45 24	50 33	52 43	55 28	63 33	47 38	40 33	40 30	55 38	40 34	46 27	54 30	57 29	61 39	48 34	52 24	54 19	59 31	64 37	54.3 35.7	
TURNPIKE	MAX MIN	59 42	59 45	60 50	65 55	59 56	58 33	43 27	43 34	42 36	36 27	34 20	35 21	33 17	39 20	42 28	46 31	50 33	39 25	42 22	46 25	50 25	39 17	38 25	38 25	44 17	45 25	39 31	39 22	34 22	34 8	47 22	52 28	28.8
WALDRON	MAX MIN	66 47	65 27	70 52	70 56	70 58	66 37	54 22	53 39	50 42	46 31	43 21	48 27	47 17	50 30	53 27	53 33	59 27	57 33	49 29	40 29	37 30	50 33	48 26	45 20	50 27	58 26	58 32	54 13	40 16	53 12	66 23	30.3	
WALNUT RIDGE CAA AP	MAX MIN	63 41	61 33	62 43	75 55	68 53	56 32	47 26	50 39	49 35	39 26	35 20	43 26	50 18	49 26	52 35	53 32	61 30	52 28	40 25	40 33	40 30	50 33	48 26	45 20	50 27	58 26	55 32	52 13	52 16	53 12	63 23	29.7	
WARREN	MAX MIN	72 48	69 37	73 47	74 55	73 49	69 42	52 31	57 41	51 44	45 31	45 31	63 34	52 24	51 29	55 34	53 24	61 29	52 38	46 28	42 36	57 27	53 25	52 27	57 31	55 31	52 34	52 11	52 11	48 17	25 28	28 30	34.6	
WHITE ROCK	MAX MIN	59 43	58 41	60 50	63 55	60 53	53 28	42 36	42 33	37 26	34 19	41 28	38 26	39 12	45 25	50 31	43 31	51 37	45 33	33 25	29 22	46 25	40 21	40 17	50 25	48 21	42 17	53 21	53 9	53 23	60 10	50 23	28.8	
WILSON	MAX MIN	63 35	68 40	59 46	71 47	68 48	57 46	29 29	32 32	39 30	32 32	30 30	20 20	24 24	37 37	35 31	29 31	29 31	29 25	30 22	30 25	40 25	40 22	50 29	48 24	53 29	53 28	53 26	44 14	33 15	41 24	60 24	30.5	
WYNNE	MAX MIN	65 47	65 35	61 45	69 56	71 56	67 36	50 27	51 34	52 39	46 26	36 26	51 30	42 21	40 23	48 34	50 32	57 26	48 32	35 30	35 29	52 29	35 29	52 29	27 27	19 19	24 20	24 20	10 10	21 21	26 26	30.4		



Beginning with this issue, the data in Table 2 will be divided into two divisions--the Highland Division, No. 1, and the Delta Division, No. 2, as shown on the above map.

EVAPORATION AND WIND

ARKANSAS
JANUARY 1955

Table 6

Station		Day of month																															Total for 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			
BLAKELY MOUNTAIN OAM	EVAP	*	*	.14	.00	.00	.00	*	*	*	.10	*	*	*	*	*	*	*	*	.27	.04	*	.05	*	*	*	*	*	*	*	*	*	.72	1.32	
	WIND	*	*	159	2	51	106	49	*	*	*	151	73	40	121	31	*	*	*	96	63	101	58	.71	*	*	*	*	246	39	70	33	*	*	216
HOPE 3 NE	EVAP	.00	.09	.05	.01	.04	.06	.03	.05	-	-	.15	-	.05	.09	-	.06	.06	.15	.49	.06	-	.18	.05	.17	.02	.07	.09	.09	*	.16	.02	2.738		
	WIND	40	31	20	12	24	58	26	17	6	76	28	5	55	9	9	40	15	32	49	25	24	20	22	11	56	11	42	24	56	9	49	901		
NARROWS OAM	EVAP	.01	.08	.05	.00	.02	.04	.05	.04	.04	.12	*	*	*	*	.11	.04	.06	.04	.03	.04	.03	*	*	*	*	.37	*	*	*	.25	1.42			
	WIND	65	54	28	34	37	84	42	18	29	41	42	20	63	24	21	25	18	44	65	35	42	22	40	20	54	17	29	26	58	31	26	1154		
NIMROO OAM	EVAP	.05	.09	.07	.04	.06	.09	*	*	.12	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	WIND	33	28	25	24	42	142	34	25	8	13	12	26	124	17	5	3	5	12	15	13	40	43	68	40	111	39	35	14	70	23	39	1128		
STUTT GART 9 ESE	EVAP	.02	.05	.05	.00	.03	.03	*	.08	.03	.07	*	*	*	*	.06	.06	.13	*	*	*	.04	*	*	*	*	.26	.06	-	-	-	-	-	1.118	
	WIND	29	55	25	31	54	132	34	19	52	49	57	23	94	12	36	16	34	55	63	49	59	36	55	27	109	47	70	42	52	52	45	1513		

SNOWFALL AND SNOW ON GROUND

Table 7

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						
8LYTHEVILLE	SNOWFALL SN ON GND																																		2.0	-		
CALICO ROCK	SNOWFALL SN ON GND											3.5	2.0																									
CORNING	SNOWFALL SN ON GND											1.0	1.5																							1.5	-	
DANVILLE	SNOWFALL SN ON GND											1.5																										
OUVAS 1	SNOWFALL SN ON GND																																					
EUREKA SPRINGS	SNOWFALL SN ON GND																																					
FAYETTEVILLE EXP STA	SNOWFALL SN ON GND																																					
FT SMITH WB AP	SNOWFALL SN ON GND																																					
GILBERT	SNOWFALL SN ON GND																																					
GRAVETTE	SNOWFALL SN ON GND																																					
JONESBORO	SNOWFALL SN ON GND																																					
LITTLE ROCK WB AP	SNOWFALL SN ON GND																																					
MAMMOTH SPRING	SNOWFALL SN ON GND																																					
MARIANNA	SNOWFALL SN ON GND																																					
MARKEO TREE	SNOWFALL SN ON GND																																					
MOUNTAIN HOME	SNOWFALL SN ON GND																																					
NEWPORT	SNOWFALL SN ON GND																																					
OZARK	SNOWFALL SN ON GND																																					
PINE BLUFF CAA AP	SNOWFALL SN ON GND																																					
POCAHONTAS 1	SNOWFALL SN ON GND																																					
PORTLAND	SNOWFALL SN ON GND																																					
ROGERS	SNOWFALL SN ON GND																																					
SEARCY	SNOWFALL SN ON GND																																					
WALORON	SNOWFALL SN ON GND																																					

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- ⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, Asheville, N. C. -- 3-16-55 -- 1005

7.05
VAR
60

Nat. Hist Lib

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
MAY 18 1955
UNIVERSITY OF ILLINOIS

FEBRUARY 1955

Volume LX No. 2



ASHEVILLE: 1955

Penalty for prepayment of postage \$300.

U. S. Department of Commerce
WEATHER BUREAU
WASH. - Asheville, N. C.

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

JUN 3 1955

NAT
HIST

ARKANSAS - FEBRUARY 1955

WEATHER SUMMARY

Temperatures averaged slightly below normal and rainfall 26 per cent more than normal. Farm work was slow during the first part of the month but became more active in the latter part. Winter grains were making good growth at the end of February.

The month began with two days of mild weather, followed by five days slightly cooler than normal. The 8th and 9th were warm. Following a cold front passage on the 10th, northerly winds plunged the temperatures to 23° to 24° below normal on the 11th, this being the coldest day of the winter. Practically all stations registered their coldest temperatures on the 11th, with minimum readings ranging from near zero over the extreme north to 15° or slightly higher over the extreme south. The coldest was 2° below zero at Mt. Magazine and White Rock. Temperatures from the 14th to 19th were near or above normal. Another cold front on the 19th and 20th preceded five more days of chilly weather. The last four days were mild, especially the 28th when temperatures in the 70's were common over most of the State. The highest was 81° at Crossett.

Generous rains occurred over Arkansas on the 4th with amounts around one inch over the north and two and a half to three inches over the south. Some glaze was reported over the north on the 4th. The cold front on the 10th brought a few light widely scattered showers but amounts were small. The cold front on the 19th and 20th brought from one and a half to two inches of rain with some sleet and snow occurring over the northern counties. Other showers occurring during the month were light, scattered, and of little significance.

Rainfall averaged several inches above normal over a few counties in the northwest and a few in the extreme east central and below normal over a strip about fifty miles wide and extending from De Queen in the southwest to St. Francis in the northeast. Monthly totals ranged from 1.56 at Beech Grove to 7.40 inches at Madison.

Farm activities during the first part of the month consisted mainly of the care of livestock, cutting wood, and the seasonal chores. Plowing got underway in the latter part of the month where the fields were not too wet. Some lespedeza was sown, and potatoes and gardens planted. The work was interrupted during the first part of the third week by the cold weather but resumed during the fourth week. Pastures, winter grains, and legumes greened some during the first part of the month but made good growth during the latter part. Some farmers were spreading fertilizer by air during the last week.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
FEBRUARY 1955

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	E	19	8.2	33	W	19	79	83	61	66	5	4	1	1	2	0	13	53	5.6
LITTLE ROCK WB AIRPORT	NW	11	10.2	31	SW	1	70	79	61	59	2	4	5	0	2	0	13	47	6.4
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	4	1	3	0	1	1	10	-	-

COMPARATIVE DATA

FEBRUARY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1881	46.5	80	6	2.92	-	1916	43.4	82	6	1.78	1.3	1941	40.8	72	7	2.92	3.4
1882	49.0	78	18	3.47	T	1917	43.4	89	-4	1.93	1.1	1942	41.2	81	-2	2.97	1.4
1883	42.4	74	2	4.05	0.8	1918	46.9	83	4	1.17	0.4	1943	47.5	83	7	1.00	0.4
1884	40.5	75	0	6.32	2.5	1919	44.1	80	-10	3.34	2.5	1944	48.2	87	4	7.34	2.5
1885	33.5	78	-17	0.71	2.0	1920	45.0	79	-2	1.26	1.0	1945	44.1	88	12	7.86	1.0
1896	45.2	79	11	3.30	0.5	1921	48.3	85	-3	3.59	9.8	1946	47.6	78	11	5.05	2.6
1897	46.6	89	7	2.59	0.7	1922	47.8	84	10	4.89	1.3	1947	37.2	80	1	0.78	1.8
1898	45.8	82	7	2.08	T	1923	41.9	80	5	4.66	1.9	1948	41.5	82	8	6.08	1.8
1899	41.8	75	-25	2.18	2.7	1924	42.9	82	-7	2.26	0.4	1949	46.0	83	-3	3.98	T
1900	39.7	74	-5	5.06	1.2	1925	49.3	83	12	3.37	0.5	1950	46.4	85	12	6.22	0.2
1901	40.8	79	10	2.18	1.6	1926	48.5	88	10	2.02	0.3	1951	44.3	82	-24	5.32	2.5
1902	35.0	72	-2	2.60	3.2	1927	52.1	90	9	2.62	1.5	1952	48.4	84	2	3.63	2.9
1903	41.0	79	-12	7.63	2.7	1928	45.0	79	10	2.23	0.6	1953	45.8	79	9	3.08	T
1904	44.9	86	10	2.47	0.8	1929	35.4	76	-20	4.01	8.8	1954	50.7	86	12	2.24	T
1905	32.3	82	-29	2.55	7.1	1930	52.2	86	16	3.92	0.0	1955	43.6	81	-2	4.55	T
1908	41.8	75	-7	2.21	1.6	1931	48.2	75	14	4.77	T	All Years	44.7			3.69	1.7
1907	44.9	83	4	2.77	0.5	1932	52.0	86	9	4.72	T						
1908	44.2	78	0	5.26	0.4	1933	41.5	82	-13	3.53	2.4						
1909	47.3	82	5	5.41	0.9	1934	41.5	82	3	2.00	0.5						
1910	39.0	75	-13	3.66	5.9	1935	45.8	87	8	2.44	T						
1911	49.8	87	7	4.31	0.3	1936	36.5	89	-15	1.70	2.4						
1912	37.9	78	-7	2.80	4.5	1937	44.2	84	12	2.11	0.2						
1913	41.0	82	-5	3.74	1.8	1938	50.9	87	8	6.08	0.1						
1914	40.4	79	-2	4.23	0.9	1939	43.6	76	4	8.56	3.2						
1915	45.9	76	11	4.47	1.3	1940	41.9	88	10	3.31	3.2						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										30° or Above	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
HIGHLAND DIVISION																							
ALUM FORK	55.4	32.8	44.1	-0.7	70	16	9	11	577	0	0	18	2.65	-2.46	1.85	4							
A5HDOWN	60.1	35.7	47.9		76	28	13	11	477	0	0	13	3.74		2.01	4	0.0						
BENTON	56.1	33.2	44.7	1.6	71	15+	10	11	564	0	0	17	4.18		1.40	20	T		21				
BENTONVILLE	49.9	26.9	38.4	-1.4	76	28	2	11	738	0	2	20	5.50	3.23	2.08	20	T						
BOONEVILLE	55.9	31.9	43.9		75	28	8	11	584	0	1	17	3.52		1.60	20	0.0						
CAMP CHAFFEE	56.6	31.5	44.1		75	28	8	11	580	0	1	18	4.50		1.40	20	0.0						
CLARKSVILLE	55.1	31.8	43.5		76	28	9	11	600	0	0	19	6.18		1.92	19	0.0						
CONWAY	56.7	33.9	45.3	0.6	73	27	11	11	548	0	0	16	3.45	-0.34	1.62	4	T						
DARDANELLE	56.1	33.6	44.9	0.0	78	27	10	11	562	0	0	15	4.95	1.79	1.62	5	0.0						
DE QUEEN	59.6	34.7	47.2	-0.7	72	15+	11	11	495	0	0	13	1.99	-2.30	1.40	4	0.0						

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1955

Table 5

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				
ALUM FORK	MAX 68	65	47	39	41	43	52	67	66	63	33	37	44	61	69	70	62	55	61	60	34	46	51	59	64	65	64	64	64					55.4	
	MIN 48	37	31	31	30	36	26	24	39	31	9	15	17	40	30	51	30	28	40	29	27	22	20	26	29	54	59	59						32.8	
ARKADELPHIA	MAX 72	61	52	41	45	56	57	61	68	60	39	44	55	70	68	70	60	64	63	60	34	46	59	64	70	69	68	73						58.9	
	MIN 52	38	36	33	41	39	25	25	32	32	12	19	20	45	29	53	32	34	54	29	29	23	23	30	35	54	61	62						35.6	
ASHDOWN	MAX 70	58	55	44	45	57	57	63	66	64	45	47	55	63	72	74	70	64	67	66	39	48	53	61	64	69	70	76						60.1	
	MIN 44	35	32	36	39	41	28	24	31	34	13	17	26	46	29	51	29	26	51	29	26	22	27	28	34	56	60	63						35.7	
BALO KNOB	MAX 70	61	41	38	42	50	50	60	64	60	32	34	46	61	68	65	58	56	62	61	34	43	50	58	60	68	70	71						54.8	
	MIN 49	37	30	30	31	40	28	25	30	31	9	15	17	35	27	51	35	29	51	32	28	24	22	30	34	52	58	61						33.6	
BATESVILLE LIVESTOCK	MAX 59	62	40	40	39	40	51	49	65	66	53	29	33	44	61	68	65	58	56	59	37	35	46	50	60	64	67	76						52.6	
	MIN 30	33	27	28	29	33	24	19	25	32	5	7	11	17	26	35	34	23	30	31	20	18	17	22	22	24	54	60						26.3	
BATESVILLE L AND O NO 1	MAX 63	58	40	36	43	51	51	62	64	61	30	32	43	60	69	68	62	51	61	58	38	46	48	58	61	66	75	73						54.6	
	MIN 50	36	30	31	35	39	24	20	37	28	8	14	13	29	25	35	37	25	41	32	23	20	18	21	24	51	52	60						31.2	
BENTON	MAX 69	60	43	41	44	51	52	63	65	59	34	36	52	65	71	65	59	60	64	61	35	45	50	59	64	67	66	71						56.1	
	MIN 52	39	33	31	38	37	24	20	29	30	10	15	19	46	26	50	29	29	52	29	26	20	19	25	29	51	60	60						33.2	
BENTONVILLE	MAX 58	35	39	36	40	49	35	61	63	55	26	31	45	58	67	60	57	51	56	35	40	45	53	41	61	63	61	76						49.9	
	MIN 33	28	27	29	31	25	20	25	41	13	2	6	24	23	28	35	27	37	33	18	17	16	23	23	25	49	41	55						26.9	
BLYTEVILLE	MAX 60	58	38	40	43	43	44	63	60	60	29	33	47	60	60	67	62	45	57	60	40	33	44	52	60	63	63	73						51.7	
	MIN 30	35	29	30	35	29	29	30	37	30	7	8	15	30	31	35	34	32	35	37	31	28	27	24	30	35	55	60						31.0	
BOONEVILLE	MAX 62	52	48	39	44	57	52	66	67	61	30	40	55	62	72	66	57	52	67	39	41	49	51	56	65	68	72	75						55.9	
	MIN 49	35	32	49	34	33	28	22	22	23	8	18	25	29	29	53	32	36	36	27	23	20	24	24	34	55	57	54						31.9	
BRINKLEY	MAX 62	68	43	40	45	55	45	50	58	63	60	32	33	48	62	69	63	48	58	63	40	35	40	50	55	62	68	70						52.6	
	MIN 30	39	32	32	33	40	29	28	33	45	12	14	21	26	29	43	30	28	35	38	30	27	27	32	35	40	56	63						33.1	
CAMOEN 1	MAX 65	72	55	47	47	46	51	55	65	67	64	48	45	58	68	65	68	63	72	72	59	67	64	52	37	41	55	61	67	72	72				58.7
	MIN 34	35	35	36	37	37	27	27	30	36	14	15	23	28	33	33	35	37	33	35	37	38	35	30	26	22	25	35	37	47	60				32.4
CAMP CHAFFEE	MAX 66	50	47	39	47	55	55	64	68	65	32	36	52	62	70	68	61	51	62	62	43	49	52	52	65	69	68	75						56.6	
	MIN 50	35	33	31	35	31	30	21	29	26	8	18	21	29	27	50	29	36	47	26	22	20	23	23	29	51	48	53						31.5	
CLARKSVILLE	MAX 68	53	45	40	45	55	50	60	68	61	33	36	46	59	71	65	59	50	61	42	41	49	50	59	63	64	73	76						55.1	
	MIN 50	37	32	32	37	31	24	21	31	25	9	15	22	29	30	52	29	34	41	28	24	21	25	24	28	52	50	58						31.8	
CONWAY	MAX 71	61	43	38	45	54	51	69	63	63	33	36	45	61	71	67	63	55	61	60	38	48	52	61	64	69	73	72						56.7	
	MIN 51	39	33	32	36	38	26	25	35	29	11	16	19	37	30	52	31	30	52	31	24	22	23	26	31	54	54	61						33.9	
CORNING	MAX 54	60	38	36	42	43	50	40	58	64	52	24	31	42	57	62	58	42	55	62	38	36	43	48	58	60	62	77						49.7	
	MIN 28	34	28	26	30	38	27	23	24	43	5	6	13	27	27	35	36	29	32	36	27	26	24	27	29	32	58	57						29.5	
CROSSETT 7 S	MAX 76	72	51	49	47	46	55	63	66	70	52	44	54	67	73	70	67	65	69	69	39	47	56	62	68	69	73	81						61.4	
	MIN 52	33	37	40	42	43	28	25	30	48	17	16	19	42	29	55	35	32	53	37	32	32	22	34	37	52	61	62						37.3	
CUMMINS FARM	MAX 50	62	65	46	50	62	50	62	65	62	52	36	54	62	72	73	60	60	64	63	46	42	55	57	58	70	77							58.5	
	MIN 25	26	31	37	25	36	30	12	24	30	12	24	16	39	36	41	35	27	32	28	27	25	24	27	30	49	57	60						32.1	
DARONELLE	MAX 71	55	45	39	45	54	53	61	68	60	34	38	48	62	73	66	57	51	52	51	41	50	51	60	67	66	78	74						56.1	
	MIN 53	39	33	31	36	37	27	24	34	28	10	18	22	33	30	52	31	33	50	30	25	26	23	26	30	53	55	51						33.6	
DE QUEEN	MAX 67	62	55	43	50	61	56	65	69	62	39	49	54	70	72	70	64	62	62	52	42	52	54	63	65	65	71	72						59.6	
	MIN 52	35	37	34	40	39	25	23	30	30	11	15	24	38	30	55	34	41	51	30	26	19	21	26	35	55	57	59						34.7	
DES ARC	MAX 63	69	45	41	45	44	47	52	59	65	58	31	34	59	60	70	60	43	60	62	38	24	41	51	59	64	67	70						54.0	
	MIN 30	39	31	32	33	40	26	28	31	42	10	12	18	24	29	32	36	30	33	37	28	24	24	28	32	35	58	62						31.6	
DEVILS KNOB	MAX 59	50	36	32	38	48	45	59	62	54	27	33	35	58	63	58	50	43	52	49	37	43	46	53	55	56	68	70						49.3	
	MIN 46	28	24	26	30	29	23	27	42	16	-	5	15	30	43	45	26	29	40	21	21	20	28	30	30	44	53	56						29.5	
DUMAS 1	MAX 72	62	45	45	45	45	52	62	60	68	35	36	52	67	74	63	63	66	53	33	42	53	57	67	70	72	78							56.9	
	MIN 51	41	36	37	37	37	27	28	28	34	16	20	22	42	33	33	30	33	44	31	30	27	24	32	38	56	61	61						34.8	
EL OORADO CAA AP	MAX 74	53	50	49	49	51	56	63	65	66	37	47	59	67	72	73	61	68	71	45	33	42	56	59	68	72	73	78						59.2	
	MIN 48	36	38	39	43	32	28	25	35	27	16	23	25	35	30	52	37	39	44	31	30	27	24	32	38	56	61	61						36.1	
EUREKA SPRINGS	MAX 55	42	35	34	37	49	43	62	64	59	28	32	45	58	67	62	52	51	55	45	41	18	23	26	27	48	50	56						51.0	
	MIN 41	28	26	22	32	29																													

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1955

Table S - 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	
HOT SPRINGS	MAX	68	61	50	39	41	55	53	65	66	61	33	40	21	65	70	68	62	56	60	58	34	49	55	62	65	64	65	68			56.5	
	MIN	51	37	33	32	38	37	30	24	35	31	10	21	21	43	33	52	30	34	53	29	27	25	24	32	35	53	61	60			35.4	
JONESBORO	MAX	61	52	37	39	41	46	43	57	64	57	29	30	46	57	67	61	57	54	62	57	35	40	46	57	62	64	72	69		52.2		
	MIN	45	35	28	29	37	38	28	26	39	29	7	14	18	36	30	50	35	31	48	33	28	25	26	30	30	50	58	60		33.7		
KEO	MAX	71	60	42	42	46	48	52	64	66	60	33	34	49	62	73	62	53	58	62	62	33	42	52	59	64	70	70	75		55.9		
	MIN	50	39	33	32	40	39	28	27	37	28	13	20	21	41	31	50	31	29	51	30	21	25	25	30	33	53	62	60		35.3		
LEAD HILL	MAX	56	42	40	34	38	51	45	65	67	45	28	32	48	56	70	61	51	52	58	43	42	47	54	48	63	67	69	78		51.8		
	MIN	35	31	29	29	32	27	21	18	35	15	5	9	21	23	22	35	31	20	43	27	19	15	15	18	19	40	47	48		26.0		
LITTLE ROCK W8 AP	MAX	70	48	40	45	44	51	50	64	66	58	31	33	52	62	70	63	50	57	62	39	34	44	50	59	61	70	68	73		54.1		
	MIN	44	37	33	31	39	35	34	28	39	22	13	20	22	41	34	45	33	32	38	30	30	27	26	33	36	53	62	64		35.0		
MAGNOLIA 3 N	MAX	73	62	48	47	50	52	55	64	66	63	40	46	60	67	72	73	62	66	69	68	33	41	54	58	66	72	73	77		59.9		
	MIN	34	33	36	38	41	40	28	27	38	38	15	19	26	48	34	55	37	37	54	30	30	25	22	32	35	54	60	60		37.4		
MALVERN	MAX	70	62	50	40	45	53	53	63	66	63	34	41	53	65	72	68	61	60	65	61	35	41	54	60	66	69	67	72		57.5		
	MIN	55	40	35	33	40	39	28	25	32	33	14	12	21	45	30	52	31	32	55	30	30	23	23	31	32	53	61	62		35.6		
MAMMOTH SPRING	MAX	56	53	37	35	41	45	47	63	67	57	26	30	39	58	68	63	50	52	58	56	35	47	51	58	62	61	78	79		52.6		
	MIN	34	31	27	29	33	34	24	19	27	24	4	9	18	30	22	46	34	25	49	30	21	19	18	20	23	48	47	60		28.8		
MARIANNA	MAX	60	70	42	41	43	45	43	48	58	62	63	29	32	47	60	68	61	46	61	62	41	34	43	52	57	63	67	71		52.5		
	MIN	34	39	31	31	34	34	28	28	32	39	11	12	20	26	31	39	32	31	38	37	31	28	26	30	32	36	52	60		32.2		
MARKEO TREE	MAX	61	61	38	40	42	44	44	43	56	64	59	27	29	47	57	67	58	43	58	64	38	35	41	49	55	62	65	71		50.6		
	MIN	25	36	29	29	31	39	28	26	26	35	8	8	15	18	30	30	32	29	29	36	30	26	25	25	29	30	53	59		29.1		
MARSHALL	MAX	63	55	37	35	38	50	48	65	64	58	28	34	40	60	67	63	55	50	57	57	40	47	51	52	61	66	76	75		53.3		
	MIN	50	32	30	29	33	32	24	24	37	21	5	10	20	29	29	46	33	32	49	21	30	19	21	22	23	53	60	55		31.0		
MENA	MAX	64	56	49	37	42	53	52	65	65	58	32	46	49	65	69	62	58	56	58	44	37	51	52	55	65	63	67	65		54.8		
	MIN	48	35	32	31	35	37	26	28	30	24	8	19	25	31	35	53	31	37	38	27	27	25	23	29	33	54	60	60		33.6		
MONTICELLO	MAX	73	69	55	44	52	50	52	69	64	69	33	40	59	68	71	68	60	65	66	66	42	40	52	58	65	74	76	78		59.9		
	MIN	55	42	35	33	35	36	32	26	25	33	14	21	27	42	33	54	32	34	54	40	30	28	21	28	39	60	58	60		36.7		
MORRILTON	MAX	68	55	43	38	43	52	49	62	66	59	32	35	45	60	70	65	57	52	60	56	38	47	51	59	62	66	73	70		54.8		
	MIN	53	39	33	32	36	37	29	26	33	26	12	17	20	35	29	51	35	30	52	30	28	24	22	29	31	54	51	58		34.0		
MOUNT 10A	MAX	62	68	51	40	38	48	54	53	67	65	57	32	42	53	63	69	64	55	60	62	38	37	50	53	57	63	65	67		54.8		
	MIN	29	37	33	32	33	37	23	20	21	30	9	12	20	29	24	28	25	30	39	27	22	11	12	21	23	29	56	62		27.6		
MOUNT MAGAZINE	MAX	59	46	40	33			41	55	58	52	20	30	39	51	61	57	50	47			36	15	19	21	29	31	26	47	55	55		28.2
	MIN	40	28	23	0			25	25	43	16	-2	8	23	25	42	44	28	30														
MOUNTAIN HOME	MAX	56	52	36	34	37	50	45	65	65	58	26	29	40	55	68	62	51	49	55	50		49	52	61	64	76	77		52.4			
	MIN	35	31	28	29	32	31	25	20	37	21	4	9	19	23	25	43	33	28	47	32	24	24	23	22	23	52	50	55		29.5		
MOUNTAIN HOME C OF ENG	MAX	62	57	35	36	34	38	50	45	65	65	50	27	32	41	56	68	61	47	53	56	43	37	46	49	52	61	65	76		50.3		
	MIN	28	31	27	27	28	32	25	19	20	40	4	2	9	19	26	26	33	37	31	28	21	23	23	22	22	26	48	49		25.7		
NARROWS DAM	MAX	78		60	44	43	45	58	56	64	66			46	54	68	78	72	60	62	63	39	38	52	56	62	63	66	67		58.4		
	MIN	26	37	36	33	33	41	28	22	24	23	12		20	21	28	29	30	35	40	41	24	20	20	35	32	37	51	59		30.9		
NASHVILLE PEACH SUBSTA	MAX	63	67	58	42	43	44	58	54	62	64	58	36	46	53	67	70	68	58	61	63	39	37	49	53	61	62	66	69		56.1		
	MIN	33	32	34	32	32	39	30	28	29	37	11	11	19	26	35	39	34	34	39	28	25	23	24	30	37	41	54	60		32.0		
NEWPORT	MAX	63	47	40	39	42	51	49	62	67	54	31	32	45	60	69	65	54	55	63	55	35	45	50	60	63	67	75	71		53.9		
	MIN	45	34	26	27	35	36	25	19	34	21	5	15	14	36	25	47	32	25	47	29	25	22	20	26	28	49	55	55		30.6		
NIMROO DAM	MAX	63		69	53	55	42	54	50	66	67	58	32	40	54	61	71	65	55	60	63	59	37	49	55	60	67	69	73		57.3		
	MIN	28		38	33	30	31	26	22	28	46	17	18	17	24	25	33	28	28	34	30	22	20	18	25	28	28	55	63		29.9		
OKAY	MAX	69	62	56	43	45	58	55	63	67	65	40	50	56	70	70	74	67	64	66	65	39	50	55	62	65	69	70	76		60.4		
	MIN	53	34	37	35	41	41	29	27	35	37	14	18	19	48	31	58	36	39	57	31	29	24	25	30	37	57	60	63		37.3		
OZARK	MAX	68	53	45	40	47	57	47	62	67	58	34	37	47	61	71	65	55	49	60	41	42	50	52	59	63	65	70	77		55.1		
	MIN	45	35	31	30	36	33	28	23	30	24	8	15	21	27	29	51	30	35	36	28	24	22	24	26	32	49	49	56		31.3		
PARAGOULO	MAX	61	51	38	39	43	47	45	55	63	59	27	28	45	55	64	62	61	55	61	57	34	41	48	58	61	65	73	70		52.3		
	MIN	43	33	28	29	35	28	27	23	32	27	6	12	17	34	25	49	35	25	48	30	26	24	25	28	29	47	56	60		31.5		
PARIS	MAX	69	53	47	40	45	56	54	65	70	62	32	37	53	62	73	67	55	55	64	40	41	50	52	57	67	68	70	79		56.5		
	MIN	46	35	33	30	35	35	30	23	30	26	9	18	20	31	30	52	31	35	37	29	25	21	23	25	27	51	50	54		31.9		
P																																	

DAILY TEMPERATURES

ARKANSAS
FEBRUARY 1955

Table 5-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			
STUTT GART 9 ESE	MAX	61	69	49	41	47	44	45	48	59	64	61	30	35	49	58	69	62	49	61	63	40	33	41	52	58	63	68	70						53.2
	MIN	35	49	34	34	35	41	30	28	31	40	13	15	21	25	33	36	33	32	34	37	30	26	28	30	32	37	56	60						33.4
SUBIACO	MAX	68	54	51	39	44	56	54	62	68	60	32	37	51	61	72	68	56	52	62	39	39	49	51	53	65	67	71	74						55.5
	MIN	36	36	32	29	34	36	30	27	30	28	9	17	23	31	33	51	31	31	30	24	26	24	26	34	33	52	54	48						32.0
TEXARKANA WB AP	MAX	69	57	47	44	45	55	54	63	66	60	36	48	57	66	71	73	60	65	69	37	37	47	53	59	65	71	72	77						58.0
	MIN	37	36	39	36	42	41	30	30	40	22	14	24	30	44	39	50	39	42	37	29	29	25	27	33	39	59	60	62						37.0
TURNPIKE	MAX	57	46	41	34	35	44	45	50	59	59	52	34	39	45	60	59	51	44	53	51	34	42	48	51	55	58	68	69						49.4
	MIN	46	35	25	30	31	30	29	33	41	42	1	12	24	28	43	22	24	26	41	24	23	22	28	30	31	41	51	51						31.9
WALORON	MAX	67	52	52	48	42	54	50	65	66	62	31	42	54	63	70	67	63	54	60	44	40	48	53	54	66	65	75	73						56.4
	MIN	48	34	31	31	33	33	24	20	34	26	8	17	22	24	26	50	28	38	41	26	23	18	20	21	27	53	51	57						30.9
WALNUT RIDGE CAA AP	MAX	61	39	36	40	42	50	42	59	63	54	27	29	42	57	65	64	42	55	61	55	34	43	49	58	60	62	73	73						51.3
	MIN	39	32	28	30	39	31	27	25	37	14	6	12	20	34	28	37	30	28	52	30	28	25	25	29	29	52	54	59						31.4
WARREN	MAX	73	65	52	44	46	47	55	63	67	69	38	40	55	67	72	68	58	65	66	66	34	46	56	60	67	70	76	79						59.4
	MIN	54	40	36	37	42	39	27	28	42	38	15	22	21	48	33	53	34	34	54	32	31	27	27	32	37	55	63	63						38.0
WHITE ROCK	MAX	60	45	40	35	37	41	43	57	60	56	26	31	36	58	63	63	48	43	34	35	45	46	49	55	56	63	67						47.9	
	MIN	40	27	24	27	31	31	24	27	40	17	-	2	6	18	32	43	43	27	31	18	20	22	29	31	32	41	52	54						29.1
WILSON	MAX		58	46	42	46	51	41	41	63	62	31	32	41	56	68	62	55	58	65	59	31	51	52	52	63	63	70	70						54.6
	MIN	30	29	33	30	32	39	29	29	40	30	9	20	29	32	31	51	33	31	50	37	31	29	25	29	32	50	52	50						33.6
WYNNE	MAX	54	51	40	40	43	44	45	58	63	57	30	29	47	58	67	59	52	56	63	60	34	40	49	55	62	64	70	71						52.2
	MIN	51.	35	30	31	37	35	24	24	39	30	9	9	18	30	30	51	32	27	49	33	31	27	23	26	33	52	60	62						33.5

EVAPORATION AND WIND

Table 6

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	31				
BLAKELY MOUNTAIN DAM	EVAP	.04	.07	.10	.03	*	*	.04	*	.12	.16	*	*	.27	.08	.14	.10	.09	*	*	.11	*	*	.12	.11	*	*	.12						1.70		
	WIND	-	123	99	101	*	*	188	*	100	164	188	*	*	202	35	80	153	*	*	*	280	*	62	52	44	*	*	142						20888	
HOPE	EVAP	.07	.28	.11	-	-	.03	.16	.07	.09	.14	*	*	.28	.13	.13	.12	.15	-	-	*	*	.22	.09	.13	.04	.03							2.658		
	WIND	48	75	73	135	68	51	15	12	17	65	78	52	16	57	18	59	48	55	44	60	15	18	19	40	20	20	30	34						1242	
NARROWS DAM	EVAP	.10	.16	.11	.07	.00	.00	.09	*	.30	-	-	-	-	.11	.13	.13	.12	*	.16	-	-	-	-	.13	.01	.00								-	
	WIND	83	65	47	57	61	39	28	21	23	97	91	49	32	67	31	77	35	30	58	89	18	17	22	38	43	42	29	36						1325	
NIMROD DAM	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	.39	.07							-
	WIND	61	*	166	18	27	38	52	10	24	91	171	93	26	70	40	77	7	24	66	149	86	15	14	30	18	70	22	80						1545	
STUTT GART 9 ESE	EVAP	-	.04	.02	.17	-	.04	*	*	.06	.14	*	*	.21	.05	.11	.05	.07	.00	.20	-	*	*	.12	.07	.13	.05	.06							1.788	
	WIND	45	116	87	129	159	42	15	15	33	76	110	96	46	71	42	45	46	58	60	150	15	19	21	43	26	56	84	58						1765	

See reference notes following Station Index.

STATION INDEX

ARKANSAS
FEBRUARY 1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables	
							Temp.	Precip.										Temp.	Precip.			
Abbott	0006	Scott	1	35 04	94 12	624			7A James V. Williams	3	Lurtow	4386	Newton	7	35 46	93 05	2007		8A Lola I. Dollar	3		
Alicia	0066	Lawrence	7	35 54	91 05	256			7A Ruby B. Owens	3	Madison	4528	St. Francis	5	35 00	90 43	215		7A Dawn E. Ghent	3	2 3 5 7	
Alum Fork	0130	Saline	1	34 48	92 52	755	SP		SP L. R. Water Works	2 3 5	Magnolia	4548	Columbia	4	33 19	93 14	315		7A Earl E. Graham	3		
Ally	0136	Vell	3	34 47	93 29	854			7A Mrs. A. B. Swain	3	Walver	4550	Columbia	4	33 20	93 13	360		MID Ark. Pwr. & Lgt. Co.	2 3 5	7	
Amity 3 NE	0150	Clark	3	34 17	93 25	-			7A Mrs. Alta F. Garner	3	Alverson	4562	Hot Springs	3	34 23	92 49	311		SP	3		
Antoine	0178	Pike	3	34 02	93 25	285			8A Drew A. Lamb	3	Mammoth Spring	4572	Fulton	7	36 29	91 32	690	SS	7A John B. McKee	3	2 3 5 7	
Apita W	0188	Perry	1	34 58	93 00	400			7A Robert Watts	3	Marlanna	4638	Lee	5	34 44	90 49	234	8A	8A Univ. of Arkansas	2 3 5	7	
Appletan	0196	Pope	1	35 25	92 53	522			MID John A. Jones	2 3 5	Marwood Tree	4654	Polk	5	35 32	90 35	229	7A	7A William M. Crick	2 3 5	7	
Arkadelphia	0220	Clark	6	34 07	93 03	200	GP		MID Mr. H. Halliburton	2 3 5	Marshall	4666	Searcy	7	35 54	92 38	1050	SS	7A Mrs. Minnie Horton	3	3 5	
Arkansas City	0234	Dezha	2	33 37	91 12	145			MID John W. Trammell	3	Marvell	4678	Phillips	3	34 33	90 55	195		8A J. D. Lorie	3		
Ashdown	0286	Little River	4	33 40	94 08	329	7P		7P Southwestern C & E	2 3 5	Mauee	4686	Searcy	7	36 03	92 39	749		MID Verne N. Davenport	3	C	
Athens	0300	Howard	4	34 19	93 58	960			7A Arra D. Parker	3	Melbourne	4746	Izard	7	36 04	91 54	610		7A Mary Alice Govan	3		
Augusta	0326	Woodruff	7	35 17	91 22	218			7A David G. Crutcher	3	Monticello	4756	Polk	5	34 35	94 15	1207	6P	7A E. W. St. John	2 3 5	7	
Bald Knob	0350	White	7	35 19	91 34	230	6P		6P Univ. of Arkansas	2 3 5	Monticello	4900	Drew	3	33 35	91 48	285	SP	5P Arkansas A & M Col.	2 3 5	7	
Beaumont Livestock	0458	Independence	7	35 49	91 47	571	9A		9A Univ. of Arkansas	2 3 5	Montrose	4906	Ashley	3	33 19	91 29	125		MID Ark. Pwr. & Lgt. Co.	3		
Beaumontville & D L	0460	Independence	7	35 45	91 38	277	5P		7A James J. Mitchell	2 3 5	Morabay Lock & Dam	4934	Calhoun	3	33 19	92 27	85		7A Corps of Engineers	2 3 5	C	
Bear Creek Lake	0496	Lee	7	34 43	90 42	220			MID U.S. Forest Service	3	Morrilton	4938	Conway	4	34 33	93 38	380	SP	7A Sam S. Leavelle	2 3 5	C	
Beaty Lake	0512	St. Francis	6	34 33	92 43	400			7A G. Adams	3	Mount Ida	4988	Montgomery	5	34 33	93 38	663	7A	7A William E. Black	2 3 5	7	
Beaver	0518	Carroll	7	36 28	91 46	930			7A B. E. Skelton	3	Mountain View	5010	Logan	1	35 10	93 41	2800	7P	7P U.S. Forest Service	2 3 5	7	
Bebee	0530	White	7	35 04	91 53	250			MID Lowell E. Perkins	3	Mountain View	5036	Pike	3	34 10	93 43	425	8A	8A Corps of Engineers	2 3 5	7	
Bech Grove	0534	Greene	7	36 09	93 38	298			8A B. B. Bamcock	2 3 5	Mountain Home C. of E.	5038	Baxter	7	36 20	92 23	800	8A	8A Corps of Engineers	2 3 5	7	
Beedeville	0536	Jackson	7	35 26	91 06	221			8A P. M. Breckinridge	2 3 5	Mountain View 1 W	5046	Stone	7	35 52	92 08	768		7A Mildred E. Ward	3	11/10/54	
Benton	0562	Saline	6	34 33	92 37	485	6P		8A R. L. Burk	2 3 5	Mountainburg 3 SW	5056	Crawford	1	35 36	94 12	730	SP	5P CLOSED - - -	3		
Berryville	0586	Benton	1	36 22	94 13	1295	6P		7A Earle L. Browne	2 3 5	Mulberry	5072	Franklin	1	35 34	93 50	850	7P	7A Elsie F. Ward	2 3 5	7	
Berryville	0616	Carroll	7	36 22	94 13	1255			MID Lucile R. McWethy	3	Nautilus	5100	Pike	3	34 10	93 43	425	8A	8A Corps of Engineers	2 3 5	7	
Big Flat	0662	Baxter	7	36 00	92 24	1250			7A CLOSED - - -	1/1/55	Nashville Peach Substa.	5112	Howard	4	34 00	93 56	550	7A	7A Univ. of Arkansas	2 3 5	7	
Big Fork	0666	Polk	3	34 29	93 58	1100			7A H. E. Leavelle	3	Nashville SCS	5114	Howard	4	33 57	93 51	373		MID Soil Cons. Service	3		
Big Lake	0676	Mississippi	6	36 31	90 08	338			7A R. R. Douglas	3	Nathan	5158	Howard	3	34 07	93 52	550		7A Edna J. Westfall	3		
Black Rock	0746	Lawrence	7	36 07	91 06	259			7A Lee W. McKeeny	3	Newport	5174	Pike	3	34 14	93 50	850	7P	7A Elsie F. Ward	2 3 5	7	
Blakely Mountain Dam	0764	Garland	3	34 36	93 11	426			8A Corps of Engineers	3	Newton	5186	Jackson	7	35 36	91 17	225	SS	7A Luther D. Summers Jr.	2 3 5	7	
Blue Mountain Dam	0798	Vell	1	35 06	93 39	455			MID Corps of Engineers	3	Normal	5200	Derry	1	34 57	93 10	470	8A	8A Corps of Engineers	2 3 5	7	
Bluff City	0800	Nevada	3	35 41	93 09	360			7A Paul W. Adams	3	Norfolk Dam	5228	Bartley	7	36 15	92 15	425		MID Corps of Engineers	3	C	
Blytheville	0806	Mississippi	6	35 56	90 55	252	7A		7A R. B. Blaylock	2 3 5	Odel	5334	Washington	1	35 48	94 12	1500		7A Mrs. Renzo Hurst	3		
Booneville	0830	Logan	1	35 09	93 50	511	7P		7A Theo E. Vandell	2 3 5	Oden	5358	Montgomery	3	34 38	93 48	800		7A Vera J. Gann	2 3 5	7	
Botkinburg	0842	Van Buren	6	35 39	92 30	1000			MID Thomas M. Pearson	3	Okay	5376	Howard	4	33 46	93 53	300	5P	5P J. T. Bargas	2 3 5	7	
Boufnton	0848	Nevada	3	33 52	93 19	235			7A Mrs. Lorus Kelley	3	Oceola	5480	Mississippi	2	35 43	89 58	250		8A Alwyn A. Cowan	3		
Bradford	0872	White	7	35 54	91 20	240			7A Marshall Hickson	3	Owensville	5498	Saline	3	34 37	92 48	500		8A Guy Cook	3	2 3 5 7	
Brinkley	0936	Monroe	7	34 54	91 10	205	2 3 5	7	8A A. B. Weathersby	2 3 5	Ozark	5508	Franklin	1	35 28	93 57	396	6P	6A Burns Wakefield	2 3 5	7	
Buffalo Tower	1010	Newton	7	35 52	93 30	400			7A Paul F. Fowler	3	Paris	5562	Green	3	36 04	90 29	275	4P	4P Radio Station KRIS	2 3 5	7	
Bull Shoals Dam	1020	Barton	7	36 22	92 34	460			MID Corps of Engineers	3	Paris	5576	Logan	1	35 18	93 45	-	SS	SS Fred J. Girard	2 3 5	7	
Burdette	1032	Mississippi	2	35 49	89 57	240			SP G. A. Rale	3	Parlin	5586	Cross	5	35 16	90 35	222		7A Corine D. Gardner	3		
Canot 4 SW	1102	Lonoke	7	36 08	92 08	400			SP B. M. Walther	3	Parthenon	5602	Benton	1	35 57	93 15	925		MID Arthur B. Carlton	3	C	
Canot 5	1132	Lizard	7	36 08	92 08	400			7A Austin D. Harris	2 3 5	Perryville	5694	Perry	5	34 07	92 49	325	SP	7A Artie E. Rankin	2 3 5	7	
Camden 1	1154	Ouchita	3	33 36	92 45	116			7A John W. Karp	3	Pine Bluff	5754	Jefferson	1	34 12	92 00	215	7P	7A Wary T. Scheu	2 3 5	7	
Camden 2	1154	Ouchita	3	33 36	92 45	116			MID Edith Z. Lehman	3	Pine Bluff CAA AP	5756	Jefferson	1	34 10	91 56	205	MID	MID U.S. Civil Aero Adm.	2 3 5	7	
Camp Chaffee	1172	Sebastian	1	35 18	94 18	419			SP U. S. Army	2 3 5	Pocahontas	5760	Montgomery	3	34 35	93 54	840	3		7A J. R. Huddleston	3	2 3 5 7
Candice	1184	Searcy	7	35 42	92 44	-			MID Froydel H. Horton	3	Pocahontas	5820	Randolph	7	36 16	90 59	330	SP	7A Beneficent Sisters	2 3 5	7	
Carpenter Dam	1224	Lonoke	1	34 47	91 45	235			8A R. W. Hollis	3	Portland	5824	Ashley	3	34 38	93 48	800		7A Vera J. Gann	2 3 5	7	
Carradine	1238	Garland	3	33 27	93 51	153			MID Ark. Pwr. & Lgt. Co.	3	Prescott	5908	Nevada	3	33 48	93 23	318	7A	7A R. P. Hamby	2 3 5	7	
Clarendon	1442	Monroe	7	34 41	91 18	172			7A H. F. Northern	3	Prescott	5910	Nevada	3	33 48	93 23	-		MID Soil Cons. Service	3		
Clarksville	1450	Johnson	1	35 28	93 28	436	6P		SP Dr. Irving F. Beach	2 3 5	Pyatt	5970	Marion	7	36 16	92 51	800		MID Olga V. McLean	3	C	
Cleburne	1492	Van Buren	6	35 35	92 58	510			7A Earl B. Riddick	2 3 5	Ratcliff	6008	Logan	1	35 18	93 53	463		7A Lula M. Weeks	3	C	
Cold Springs	1520	Scott	3	34 58	93 54	1250			7A Margaret Zornes	3	Ravanna	6016	Willer	2	33 14	94 02	250		MID Benny L. Allen	3	C	
Combs 3 SE	1574	Madison	8	34 26	94 23	1400			MID Wanda C. Brubers	3	Remel Dam	6102	Hot Springs	3	34 26	92 54	-		MID Ark. Pwr. & Lgt. Co.	3		
Compton	1582	Newton	7	36 06	93 18	2166			MID William L. Binan	3	Rison	6174	Cleveland	3	35 57	92 11	231	8A	8A J. N. Yaney	3		
Conway	1596	Faulkner	1	35 05	92 27	309	5P		SP G. Y. Short	2 3 5	Rogers	6248	Benton	3	36 20	94 07	1387	SS	SS Howard Fowler	2 3 5	7	
Cottler	1633	Clark	7	36 24	90 35	293	7A		7A Mrs. Laura Polk	2 3 5	Russellville	6332	Pope	3	35 08	92 08	360	SP	SP U.S. Forest Service	2 3 5	7	
Cove	1640	Baxter	7	36 17	92 31	440			7A Robert H. Felding	3	Saint Charles	6376	Arkansas	7	34 23	91 08	200	8A	8A Fish & Wildlife Serv.	2 3 5	7	
Cove	1666	Polk	5	34 26	94 23	1400			7A Joe C. Allen	3	Salineville	6380	Clay	5	36 27	90 08	300		7A William S			

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- ⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 4-29-55 -- 1005

5-1.05-
VAR
60
3

N. H. Lib.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

MARCH 1955

Volume LX No. 3

JUN 10 1955



THE LIBRARY OF THE
JUN 2 1955
UNIVERSITY OF ILLINOIS

NAT.
HIST

ASHEVILLE: 1955

ARKANSAS - MARCH 1955

WEATHER SUMMARY

With temperatures near average at 53.0° and precipitation well above average at 5.67 inches, conditions were generally favorable to agriculture. However, a disastrous cold wave overran the State during the last week in March dropping temperatures more than 30 degrees below normal on the 26th. Gardens were severely damaged and crops of peaches, plums, and pears were mostly destroyed.

The average temperature of 53.0° was only 0.2° above normal. Except for a brief period of cool temperatures on the 7th and 8th, March 1st through the 15th was well above normal including several days with temperatures more than 20° above normal. Beginning on the 16th temperatures dropped below normal and, except for parts of the State on the 20th and 31st, remained below the rest of the month. The extreme effects of the cold wave were felt on the 26th when temperatures dropped to more than 30° below normal over large areas of the State. Lowest reported on the 26th was 2° at Mount Magazine and White Rock and most minimum temperatures over the State were under 10 degrees. Highest mean temperature was 60.1° at Crossett and lowest was 46.4° at Green Mountain. The highest temperature of 93° was recorded at Narrows Dam on the 13th. Quite generally, highest temperatures on record for the date occurred on the 10th and 12th and the lowest on record for the date occurred on the 25th, 26th, and 27th.

The average precipitation of 5.67 inches was 1.14 inches above normal. Periods of precipitation were the 1st, 5-6th, 13-22nd, 25-26th, and 31st. Except for small areas in the northwest and extreme southwest, the entire State received normal or above amounts with many stations recording two or three inches above normal. Greatest total recorded was 9.69 inches at Dermott. Other large amounts were 8.36 inches at Crossett, 8.31 inches at Bald Knob, 8.26 inches at Helena, and 8.02 inches at Searcy. Snow fell in measurable amounts at a number of stations in the northern portions on the 21st and 22nd. The greatest amount was 2.0 inches at Eureka Springs and Harrison. Numerous stations reported no snowfall during the entire month. The least monthly total precipitation was 3.01 inches at Whitecliffs.

A reversal of seasonal temperature trends with the first half of the month extremely warm caused early advancement in the growth or leafing of most types of plant life. With the rapid growth of vegetation, peaches, plums, and pears were in full bloom by the middle of the month. The second half saw falling temperatures which reached record lows on the 26th and 27th with disastrous results to all vegetation to the extent of freezing leaves on the trees. Peaches, pears, plums and virtually all tender vegetables were destroyed almost completely. Strawberries were damaged in varying degrees and wheat, rye, and barley were seriously hurt. Much of the lespedeza just coming up at that time was lost. On the brighter side, soil moisture was generally adequate over the State and land preparation was progressing satisfactorily although farm work was not as far advanced as at the same time last year. There was some uncertainty as to the extent of damage to the small grains. However, some of the damaged acreage was expected to be replanted. The March freeze killed tomato plants in cold frames, severely damaged radishes, greens, and spinach. Potatoes were frozen back to ground level and most farm gardens had to be replanted.

STORMS

Six severe storms were reported; one on the 14th with wind and hail damage at Winchester, one on the 16th with lightning striking a house in Sheridan injuring two persons and causing minor damage to a house in Prattsville, and four on the 20th from 12:30 p.m. to 3:30 p.m. At 12:30 p.m. a tornado occurred in Logan County affecting areas north of Subiaco and north east of Subiaco near Scranton. At 2:00 p.m. high winds caused considerable property damage at Plumerville, Guy, Needs Creek, Friendship and Pleasant Valley communities, Quitman and Ida. One person was injured. The American Red Cross reported 8 homes and 8 other buildings damaged in Conway County, 6 homes damaged in Clebourne County and 4 homes and 15 other buildings damaged in Faulkner County. At 3:15 p.m. high winds, hail, and heavy rain struck Hope where many homes were damaged by wind and more extensively by heavy rain. At 3:30 p.m. a tornado occurred in Mississippi and Craighead Counties injuring one person and damaging 18 homes in Craighead County and 1 home and 2 other buildings in Mississippi County. The tornado then moved over the State Line into Missouri where two homes were damaged. Heavy rain especially in the Jonesboro area, caused temporary inundation of thousands of acres of farmland.

Marion G. Talcott

SUPPLEMENTAL DATA

ARKANSAS
MARCH 1955

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	2:30A CST	6:30A CST	2:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH W8 AIRPORT	ENE	19	8.3	33	E	31	76	79	57	60	3	1	4	1	2	0	11	58	5.9
LITTLE ROCK W8 AIRPORT	SSW	17	11.6	41	SE	21	68	76	56	57	4	3	3	3	1	0	14	54	6.7
TEXARKANA W8 AIRPORT	-	-	-	-	-	-	-	-	-	-	2	2	3	1	2	1	11	-	-

COMPARATIVE DATA

MARCH

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1881	46.7	79	10	5.10	-	1916	54.5	91	11	1.93	T	1941	47.5	80	13	2.21	0.2
1892	47.9	84	9	3.44	3.8	1917	53.0	87	9	5.32	1.0	1942	53.0	89	18	3.95	2.0
1893	50.1	82	5	3.55	T	1918	57.9	96	16	1.31	0.0	1943	46.9	84	-6	5.66	0.2
1894	54.6	88	8	9.84	0.8	1919	53.2	86	11	5.47	0.5	1944	51.3	87	14	6.13	0.2
1895	51.8	91	10	5.39	T	1920	51.8	88	2	5.31	0.3	1945	58.9	92	16	11.12	0.0
1896	48.7	85	12	5.28	1.3	1921	60.8	92	18	6.55	T	1946	58.2	94	19	5.47	0.0
1897	55.9	88	13	9.76	T	1922	51.7	83	7	8.58	0.3	1947	45.0	79	5	2.69	0.9
1898	54.5	88	18	5.96	0.1	1923	49.6	88	2	5.04	T	1948	50.6	89	-14	5.72	1.4
1899	50.6	87	1	2.97	0.4	1924	46.6	84	5	3.27	6.8	1949	50.9	84	18	5.42	0.5
1900	51.2	90	7	2.50	0.8	1925	55.9	89	7	1.69	T	1950	49.2	85	11	4.20	T
1901	51.5	86	4	4.67	T	1926	48.5	86	11	5.57	0.4	1951	51.3	87	11	2.40	0.2
1902	52.6	89	14	5.34	T	1927	53.5	87	5	7.24	0.6	1952	50.1	89	14	5.59	T
1903	54.8	85	11	5.56	0.6	1928	52.7	92	20	2.53	0.1	1953	56.2	90	20	7.37	T
1904	55.3	90	12	5.64	T	1929	55.7	93	19	3.77	T	1954	50.8	90	10	2.06	0.1
1905	57.1	92	26	5.31	T	1930	50.4	88	15	2.21	T	1955	53.0	93	2	5.67	0.1
1906	45.2	88	10	5.69	0.4	1931	47.5	85	16	4.21	0.4	All Years	52.4			4.75	0.5
1907	61.9	96	25	3.22	0.0	1932	48.2	88	2	4.48	0.7						
1908	59.5	93	21	3.79	0.1	1933	52.6	91	17	4.87	T						
1909	62.7	84	16	3.71	T	1934	49.6	85	4	6.53	1.0						
1910	60.7	92	22	1.39	T	1935	58.7	90	18	8.29	T						
1911	56.6	94	15	2.17	0.0	1936	57.1	88	22	2.19	T						
1912	45.8	86	10	7.86	0.2	1937	48.7	84	14	3.04	0.3						
1913	49.7	88	8	4.74	0.8	1938	60.3	91	20	6.02	0.0						
1914	50.0	86	4	5.13	1.9	1939	54.4	88	19	3.71	T						
1915	42.5	73	14	3.54	0.7	1940	52.0	88	9	2.39	0.7						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail		No. of Days		
										Max.	Min.	Total	Max. Depth on Ground					Date	.10 or More	.50 or More	1.00 or More	
	90° or Above	92° or Below	92° or Below	90° or Below																		
HIGHLAND DIVISION																						
ALUM FORK	65.3	40.9	53.1	0.0	83	10+	15	26	396	0	0	9	0	5.83	0.14	2.31	20	T	0	0	2	2
A5HDOWN	70.3M	43.9	57.1M		89	11+	18	27	309	0	0	8	0	3.99		2.00	21	0.0	0	0	2	1
8ENTON	65.9	41.9M	53.4	0.8	83	10	14	27	393	0	0	11	0	6.97		2.39	21	0.0	0	0	4	2
8ENTONVILLE	61.1	35.9M	48.5	0.5	83	10	7	26	515	0	1	10	0	3.04	-0.39	1.66	21	0.0	1	22	2	1
8OONEVILLE	65.9	40.4	53.2		87	11	13	26	395	0	0	9	0	5.82		1.97	21	T	0	0	2	2
CAMP CHAFFEE	65.9	39.6	52.4		86	10+	14	26	413	0	0	11	0	5.17		2.20	21	0.0	0	0	2	2
CLARKSVILLE	66.4	40.3	52.6		86	10	13	26	406	0	0	9	0	5.52		1.82	17	0.0	0	0	2	2
CONWAY	66.4	42.6	54.5	0.9	85	10+	17	26	363	0	0	7	0	7.00		1.67	20	0.0	0	0	4	1
GARDANELLE	66.0	41.8M	53.9M	0.6	86	10+	15	26	367	0	0	9	0	4.61	0.30	1.64	21	0.0	0	0	4	2
OE QUEEN	69.9	43.5	56.7	1.0	89	11	17	27	299	0	0	9	0	5.66	1.13	2.42	20	0.0	0	0	4	2

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
MARCH 1955

Table 5-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		
STUTT GART 9 ESE	MAX	73	75	78	75	78	71	47	53	64	67	79	83	83	63	70	80	56	54	51	68	71	62	48	60	61	55	34	44	51	60	64	63.8
	MIN	57	49	51	62	62	39	32	33	39	46	64	65	51	49	48	47	43	42	43	44	58	29	30	39	42	20	20	26	29	33	40	43.0
SUBIACO	MAX	74	77	77	82	73	51	55	68	73	85	81	79	69	73	75	62	53	50	57	62	56	49	70	64	53	35	45	54	63	69	73	64.7
	MIN	56	46	57	62	49	36	28	33	40	57	65	64	47	49	57	45	39	43	42	50	30	22	26	42	29	9	20	28	28	40	44	41.4
TEXARKANA WB AP	MAX	75	80	80	82	76	57	57	67	71	86	87	89	73	80	80	72	59	54	58	75	66	52	69	72	65	36	44	54	62	68	73	68.4
	MIN	59	51	63	64	57	40	32	36	46	64	64	64	55	58	65	51	46	45	45	55	28	26	37	47	27	21	21	29	33	43	48	45.8
TURNPIKE	MAX	68	68	70	70	69	44	49	61	62	77	78	71	64	60	70	61	44	45	48	58	54	39	62	58	48	24	43	48	57	60	67	58.0
	MIN	49	49	59	59	39	28	24	38	44	52	60	62	40	41	57	35	34	36	36	45	35	14	32	33	20	5	13	29	33	41	44	38.3
WALORON	MAX	74	79	78	84	82	52	57	68	71	84	87	80	73	73	76	71	53	54	63	67	58	53	70	69	58	32	44	53	65	68	72	66.7
	MIN	59	48	63	64	50	35	23	25	44	54	61	59	47	46	61	43	42	43	41	51	33	20	31	40	28	13	14	24	22	31	36	40.4
WALNUT RIDGE CAA AP	MAX	71	70	72	77	64	51	50	66	68	79	77	74	57	67	77	57	43	49	51	59	60	48	63	49	49	31	44	51	58	64	71	60.2
	MIN	47	39	59	62	40	35	28	34	44	62	62	55	45	41	52	43	38	39	41	50	29	26	35	38	19	12	18	27	28	32	34	39.2
WARREN	MAX	76	82	82	84	84	71	55	67	67	84	88	89	73	79	84	74	64	57	57	79	69	52	73	77	77	51	45	55	65	74	71.1	
	MIN	64	50	63	64	65	42	31	41	53	63	63	63	50	50	63	49	49	46	44	53	50	27	31	44	44	22	20	30	28	41	46.2	
WHITE ROCK	MAX	70	68	68	74	71	42	49	61	65	78	78	73	63	63	66	63	54	56	53	55	54	39	60	60	50	41	42	48	57	61	67	59.6
	MIN	47	49	54	58	36	26	26	35	45	55	58	60	40	47	58	34	38	38	36	42	21	11	32	33	17	2	9	27	33	40	43	37.1
WILSON	MAX	70	73	75	75	73	50	50	64	69	78	80	77	70	66	79	73	53	54	53	75	64	65	63	63	53	38	41	50	58	63	73	64.1
	MIN	51	42	56	63	50	36	30	35	46	60	64	64	48	42	60	43	38	41	39	51	56	28	36	40	38	14	18	28	31	35	36	42.5
WYNNE	MAX	70	74	73	76	71	52	49	63	65	77	80	74	66	68	77	74	52	50	53	75	62	59	63	57	50	35	41	51	60	62	70	62.9
	MIN	58	44	62	64	52	31	29	35	45	62	65	66	48	45	62	46	39	41	41	40	55	27	33	39	34	16	19	29	25	39	38	42.9

EVAPORATION AND WIND

Table 6

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	31		
BLAKELY MOUNTAIN DAM	EVAP	.02	.15	.08	.09	*	*	.35	.08	.19	.02	.24	.20	*	.30	.06	.07	.13	.03	-	-	-	-	-	.10	.10	*	*	.28	.12	.16	.18	3.528
	WIND	55	32	57	106	*	*	244	33	72	118	124	80	*	152	56	117	73	65	*	*	286	48	59	103	66	*	*	417	40	35	55	2493
HOPE 3 NE	EVAP	.09	.13	.12	.14	.12	.11	.05	.12	.15	.04	.19	.21	*	.31	.07	.11	.22	.02	.05	.04	-	-	-	.17	.14	*	*	.28	.31	.08	.16	3.808
	WIND	50	19	31	46	56	60	26	14	32	47	73	34	*	102	24	64	55	64	80	35	47	62	18	34	38	64	41	13	13	12	17	1271
NARROWS DAM	EVAP	.03	.16	.16	.12	.14	.15	*	*	.32	.00	.21	.21	.26	.12	.04	.17	.13	.03	.23	.05	-	-	-	.13	-	-	-	-	-	.18	-	1492
	WIND	35	56	59	75	51	49	31	28	33	71	65	37	56	34	30	44	34	44	37	30	58	112	27	54	30	109	75	28	27	31	42	1649
NIMROD DAM	EVAP	.01	.14	.08	.14	.17	.08	*	.21	.16	.08	.27	.22	.05	.06	.08	.07	.16	-	-	-	-	*	.37	.20	.06	*	*	*	.63	.15	3.898	
	WIND	49	24	43	77	73	61	41	22	55	93	120	49	21	10	61	89	18	2	21	21	30	209	70	60	14	86	89	35	26	34	46	1649
RUSSELLVILLE	EVAP	-	.14	.09	.11	.10	-	.04	.07	.11	.13	.19	.12	.10	.20	.06	.12	.01	.04	.03	-	-	-	.11	.14	.17	*	.08	.07	.12	.14	.16	3.168
	WIND	12	22	30	23	14	25	11	13	17	27	35	7	28	23	20	30	13	22	21	30	50	13	18	25	15	73	19	7	11	15	28	697
STUTT GART 9 ESE	EVAP	.04	.06	.17	.11	.07	.26	*	.15	.11	.06	.17	.13	.20	*	.12	-	.19	.00	.03	.15	-	*	*	.55	.12	*	*	.39	.04	3.348		
	WIND	103	22	51	86	83	91	19	18	67	81	138	98	90	33	64	83	71	91	35	27	74	184	61	51	60	36	115	14	16	8	31	2001

SNOWFALL AND SNOW ON GROUND

ARKANSAS
MARCH 1955

Table 7

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																															
CALICO ROCK	SNOWFALL SN ON GND																																																													
EUREKA SPRINGS	SNOWFALL SN ON GND																																							T						T	2.0			T												
FAYETTEVILLE EXP STA	T					T									T						T	T	0.7			T	T	T																																		
FORT SMITH WB AP	SNOWFALL SN ON GND																																												T	T	T															
GILBERT	SNOWFALL SN ON GND																																													T				T												
GRAVETTE	SNOWFALL SN ON GND																																												-	-				T												
JONESBORO	SNOWFALL SN ON GND																																																		T	T										
LITTLE ROCK WB AP	SNOWFALL SN ON GND																																													T	T															
MAMMOTH SPRING	SNOWFALL SN ON GND																																																													
MARIANNA	SNOWFALL SN ON GND																																																													
MARKED TREE	SNOWFALL SN ON GND																															T																														
MENA	SNOWFALL SN ON GND																																																													
OZARK	SNOWFALL SN ON GND																																																													
POCAHONTAS 1	SNOWFALL SN ON GND																																																													
ROGERS	SNOWFALL SN ON GND																																																													
SEARCY	SNOWFALL SN ON GND																															T																														
TEXARKANA WB AP	SNOWFALL SN ON GND																																																													

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

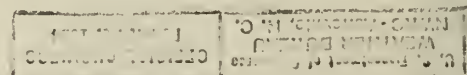
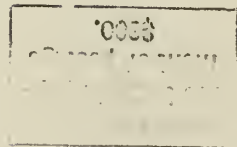
Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- ⊙ Data in the column formerly headed "No. of Days .01 or more" have been changed to "No. of Days .10 or more" effective January 1, 1954.
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorder stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 5-18-55 -- 1005

URBANA, ILL. UNIVERSITY OF ILLINOIS LIBRARY DOCUMENTS DIVISION



1.05
MAR
604

W. A. Self

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

PENALTY FOR PRIVATE
USE TO AVOID PAY-
MENT OF POSTAGE
\$300.

THE LIBRARY OF THE
JUL 1 - 1955
UNIVERSITY OF ILLINOIS

APRIL 1955
Volume LX No. 4

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C.
OFFICIAL BUSINESS
Permit No. 1024

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03



ASHEVILLE: 1955

UNIVERSITY OF ILLINOIS

ARKANSAS - APRIL 1955

WEATHER SUMMARY

A very warm April with temperatures averaging 3.9° above normal provided excellent recovery of agriculture from the adverse conditions of the previous month. Although precipitation averaged only slightly below normal for the entire State, amounts were much below normal in the southwest, west-central, and northern areas. Total damage from severe storms totaled nearly three-quarters of a million dollars.

With an average temperature of 65.5° this was the fourth warmest April of record and was 3.9° above normal. Brief cooling periods were the 1st, 6th-10th, and the 13th. The remainder of the month was normal or above with temperatures 8° to 12° above during most of the last 15 days. Highest temperatures were in the lower 90's over most of the State near the end of the month. The highest temperature was 94° recorded on the 22nd at four stations along the northern border and at Camden in the south on the 30th. Lowest temperature was 27° recorded on the 8th at Lead Hill. The highest mean temperature was 68.6° at Hot Springs and the lowest was 61.0° at Mount Magazine.

Considering the total area this would be considered a very dry month since only about one-third of the State had normal or above-normal rainfall. Stations in the drier areas received from one to four inches less than they could normally expect. Driest spot was Fort Smith with a total for the month of only 0.90 inch which was 3.59 inches below normal. Many stations in the north and west-central recorded totals of only 1.50 to 2.50 inches. In contrast heavy rains fell along the eastern border with totals ranging generally from 8 to 10 inches. Greatest total was 10.99 inches recorded at Beaty Lake. Principal periods of rainfall were the 1st-2nd, 4th-6th, 10th-13th, 20th-21st, 23rd-24th, and 27th-28th. The State average precipitation was 4.63 inches which was 0.40 inch below normal.

At the end of April cotton planting had made rapid progress in some areas while in other areas less than one-fourth the intended acreage had been planted. Rice seeding was also well along with seeding varying from 30% to 70%. Land was being prepared for soybeans and many fields were planted. Small grains were developing rapidly with the fall-sown beginning to head. Fall oats were heading unevenly. Small amounts of grain hay were cut. The planting of early corn, much of which was up and cultivated, was well advanced. Strawberries had recovered nicely from the March freeze and harvest was starting. Tomatoes were making a fine growth and pruning and staking were in progress. At month's end pastures were in excellent condition, cattle were gaining weight, and milk production was increasing.

STORMS

Of the 28 severe storms reported over the State during the month of April damage was caused by high winds in 20 storms, from hail in 8 storms and from lightning in one. There were 3 tornadoes reported. Total damage from all storms was estimated at nearly three-quarters of a million dollars. Most serious was the damage totaling \$435,000 from the hail and windstorm in an area 12 by 80 miles from Independence County eastward through Jackson, Poinsett and into south Mississippi County between 6:30 p.m. and 8 p.m. on the 5th. In Independence County hail caused considerable damage in Huff, Rosie, and Oil Trough areas where losses were estimated at \$50,000 to crops, and \$75,000 to other property. In Jackson County property losses from hail amounted to \$250,000. One person was injured at Newport by broken glass. Additional losses occurred in Poinsett County, the Harrisburg area, in the Marked Tree-Truman-Lepanto area, and in south Mississippi County. A summary of storm losses charged \$50,000 by hail to crops, \$250,000 by hail to property, and \$185,000 by wind to property. A tornado in the Green Forest area of Carroll County at 8 p.m. on the 4th caused \$6,300 damage to property. On the 21st at 1:41 a.m. a tornado caused death and destruction over an area 80 yards wide and one-half mile long in the Whitehall area of Jefferson County. Besides \$10,000 damage to property there were two persons injured and one killed. The next day at 5 p.m. at Biggers, Randolph County, a tornado left a path 200 yards wide and 1 mile long with property damage estimated at \$6,000.

Marion G. Talcott

SUPPLEMENTAL DATA

ARKANSAS
APRIL 1955

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation									
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Relative humidity averages - percent				Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover	sunrise to sunset
							12:30A CST	6:30A CST	12:30P CST	6:30P CST										
FORT SMITH WB AIRPORT	ENE	17	8.4	42	SE	27	76	84	54	55	4	7	3	0	0	0	14	64	5.7	
LITTLE ROCK WB AIRPORT	S	15	10.6	41	E	12	71	78	54	55	4	4	0	3	1	0	12	66	5.8	
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	5	3	2	2	1	0	13	-	-	

COMPARATIVE DATA

APRIL

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	62.8	93	22	2.75	-	1916	59.9	92	24	3.65	T	1941	63.7	94	32	5.04	0.0
1892	61.4	97	27	6.98	0.0	1917	60.4	90	23	5.69	T	1942	62.8	88	20	8.42	0.0
1893	64.9	94	29	7.16	T	1918	59.6	96	25	7.63	0.0	1943	62.9	95	25	3.20	0.0
1894	63.1	91	29	6.18	0.0	1919	61.6	95	24	3.56	T	1944	60.1	88	19	6.65	T
1895	63.1	98	30	1.99	T	1920	59.8	94	21	5.49	T	1945	62.6	89	23	7.44	T
1896	67.8	94	24	3.65	0.0	1921	59.8	91	22	7.87	T	1946	65.0	94	30	5.46	0.0
1897	61.4	90	31	4.14	0.0	1922	63.5	90	26	5.54	0.0	1947	61.9	89	26	5.74	0.0
1898	59.2	93	19	3.09	0.0	1923	61.4	95	23	4.30	0.0	1948	66.2	93	27	3.46	0.0
1899	60.7	96	19	3.28	T	1924	61.4	94	18	4.99	0.0	1949	60.0	92	23	2.75	T
1900	62.2	96	24	4.98	T	1925	67.4	98	28	2.62	0.0	1950	58.2	91	20	3.29	T
1901	58.1	96	22	3.82	T	1926	59.1	94	18	2.65	T	1951	58.1	90	21	4.33	T
1902	61.2	96	25	2.87	0.0	1927	65.7	99	26	12.93	0.0	1952	58.1	93	23	5.88	T
1903	60.6	91	26	1.86	T	1928	57.3	87	22	8.52	T	1953	57.7	90	23	7.10	T
1904	56.8	89	24	3.88	T	1929	64.0	92	29	5.69	T	1954	66.4	92	17	4.09	T
1905	61.1	96	25	6.29	T	1930	64.9	96	27	1.41	0.0	1955	65.5	94	27	4.63	T
1906	63.7	97	27	2.55	0.0	1931	59.1	92	21	2.62	0.0	All					
1907	54.9	89	24	5.44	0.0	1932	63.8	92	28	2.85	0.0	Years	61.5			4.96	T
1908	63.3	94	24	6.32	T	1933	61.1	93	28	4.80	0.9						
1909	60.9	88	24	4.52	T	1934	62.7	90	29	3.51	0.0						
1910	59.8	90	22	5.14	T	1935	60.2	90	29	4.37	T						
1911	60.5	90	29	9.86	0.0	1936	59.7	96	17	2.64	T						
1912	61.9	93	26	8.14	T	1937	61.7	96	20	3.18	0.1						
1913	61.2	94	27	4.91	0.0	1938	62.1	94	24	4.83	0.1						
1914	61.0	94	19	4.57	0.0	1939	59.3	91	19	7.13	T						
1915	64.3	96	19	2.96	T	1940	59.9	95	18	6.93	T						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days	
										95° or Above	32° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More
	Max.	Min.																				
HIGHLAND DIVISION																						
ALUM FORK	78.8	53.9	66.4	4.8	90	22	34	8	58	1	0	0	0	3.23	- 4.17	0.77	6	T	0	7	4	0
ASHOOWN	79.7	55.8	67.8		91	29	39	8	41	1	0	0	0	3.55		1.69	12	0.0	0	4	3	1
BENTON	78.3	52.4	65.4	4.9	88	22	34	8	70	0	0	0	0	2.87		1.15	6	0.0	0	1	1	1
BENTONVILLE	75.4	50.9	63.2	5.5	89	22	29	7.4	118	0	0	2	0	2.83	- 1.91	0.61	20	0.0	0	5	9	7
BOONEVILLE	78.9	53.9	66.2		91	22	34	8	68	2	0	0	0	2.55		0.68	21	0.0	0	1	0	0
CAMP CHAFFEE	78.8	52.7	65.8		91	22	33	8	77	1	0	0	0	2.23		0.73	1	T	0	0	1	0
CLARKSVILLE	78.9	53.8	66.1		92	22	35	7	68	1	0	0	0	2.40		0.78	12	T	0	0	2	0
CONWAY	80.1	54.7	67.4	5.2	92	22	40	7.4	47	2	0	0	0	5.10	0.11	1.86	1	0.0	0	6	6	2
DARDANELLE	80.0	55.1	67.0	5.0	92	22	39	8	41	2	0	0	0	2.22	- 2.16	0.73	13	0.0	0	7	4	2
DE QUEEN	81.0	54.7	67.9	4.6	92	22	38	7	41	2	0	0	0	4.79	- 1.23	1.20	13	0.0	0	8	4	2

DAILY TEMPERATURES

ARKANSAS
APRIL 1955

Table 5

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	
ALUM FORK	MAX	72	69	77	76	80	77	67	68	74	71	78	75	67	75	84	85	86	88	81	77	83	90	85	79	80	80	82	87	86	85	78.8
	MIN	62	45	40	57	55	53	42	34	44	51	58	57	53	44	45	55	54	65	65	65	54	60	65	59	50	49	59	60	58	60	53.9
ARKADELPHIA	MAX	76	67	72	82	80	81	77	70	72	72	64	79	69	67	81	86	87	89	87	84	80	83	90	81	82	86	84	83	85	90	79.5
	MIN	54	45	44	45	58	54	42	40	51	54	55	54	56	49	49	52	52	62	65	65	57	63	67	65	60	52	61	57	60	62	55.0
ASMOOWN	MAX	72	74	79	81	79	74	69	70	72	67	78	72	67	79	86	85	81	86	83	79	84	85	84	83	88	86	84	84	91	89	79.7
	MIN	47	45	51	61	59	54	42	39	50	56	53	57	55	52	48	54	55	66	64	66	65	68	66	62	47	53	64	55	59	60	55.8
BALO KNOB	MAX	67	67	74	73	80	79	65	65	74	68	77	72	72	75	83	84	84	84	83	78	82	89	84	78	78	76	73	83	82	80	77.0
	MIN	50	49	43	51	53	54	40	39	44	51	55	61	55	47	47	57	54	59	66	65	58	60	70	59	47	50	57	57	58	58	53.8
BATESVILLE LIVESTOCK	MAX	72	54	72	77	71	78	68	68	67	73	67	77	72	74	80	85	86	87	86	77	69	87	90	81	71	79	77	74	86	86	76.4
	MIN	45	48	41	45	50	50	35	33	36	38	51	60	52	45	49	58	55	64	67	60	55	61	68	60	52	45	53	55	54	50	51.2
BATESVILLE L AND O NO 1	MAX	69	72	76	76	80	78	67	66	74	72	77	76	75	77	85	86	87	86	83	79	84	89	87	80	77	78	74	85	84	83	78.7
	MIN	50	51	39	48	49	52	35	32	35	47	54	62	55	49	42	61	52	66	68	62	58	61	71	65	48	47	56	54	54	52	52.5
BENTON	MAX	68	69	78	75	82	76	67	67	74	67	78	71	68	79	84	86	87	84	80	77	82	88	84	77	84	78	83	85	87	85	78.3
	MIN	53	42	38	53	53	52	38	34	43	54	55	58	53	43	42	48	48	63	64	63	56	59	67	63	45	48	60	62	56	59	52.4
BENTONVILLE	MAX	63	69	74	75	72	59	61	70	71	69	71	75	65	74	83	86	86	85	78	71	83	89	80	72	77	81	82	76	80	85	75.4
	MIN	48	42	46	55	42	42	29	29	38	48	50	55	53	49	46	63	52	66	66	56	57	63	68	56	43	51	60	53	46	56	50.9
BLTYMEVILLE	MAX	73	59	70	78	62	62	65	68	77	62	73	70	78	72	83	86	90	89	82	73	88	78	69	78	74	79	83	83	85	85	76.0
	MIN	46	50	48	52	55	42	40	46	53	57	58	60	52	52	60	61	65	67	67	59	64	62	54	62	55	59	60	55	54	59	55.6
BOONEVILLE	MAX	67	72	80	77	74	69	67	71	75	69	78	71	64	75	87	88	90	85	79	79	86	91	82	76	80	79	87	83	87	88	78.5
	MIN	48	44	46	58	51	52	35	34	48	54	50	58	52	46	45	58	54	69	68	66	55	65	68	60	45	53	62	57	55	61	53.9
BRINKLEY	MAX	71	59	72	74	74	78	64	65	70	69	76	79	73	74	82	83	84	84	84	79	80	87	86	79	79	77	75	84	85	83	77.0
	MIN	53	49	44	57	56	55	42	40	47	55	59	59	56	53	59	49	49	64	64	63	59	64	69	61	54	50	58	56	58	58	54.9
CAMDEN 1	MAX	71	76	73	82	81	75	59	69	75	71	63	79	65	70	79	90	90	89	90	81	79	86	92	83	83	86	83	83	89	94	79.5
	MIN	45	46	44	52	57	55	43	39	43	52	53	58	54	50	54	56	55	62	64	64	60	62	67	68	49	54	59	55	59	59	54.6
CAMP CHAFFEE	MAX	69	70	79	78	76	66	67	69	72	71	76	75	63	76	86	89	89	87	84	79	85	91	89	83	80	77	86	83	84	85	78.8
	MIN	48	43	44	56	44	51	36	33	47	54	52	58	47	49	45	52	52	63	65	67	56	63	69	61	46	54	61	60	55	52	52.7
CLARKSVILLE	MAX	68	71	79	76	73	68	68	68	73	71	78	74	64	78	85	88	88	88	82	76	85	92	83	79	81	77	79	85	86	85	78.3
	MIN	45	47	45	55	46	52	35	36	45	55	54	58	53	50	46	54	53	67	68	65	56	55	71	61	48	52	63	59	61	60	53.8
CONWAY	MAX	70	69	79	77	82	79	70	70	76	72	81	75	72	79	87	90	88	86	82	79	85	92	86	78	83	79	80	87	85	84	80.1
	MIN	50	47	43	54	56	54	40	40	45	50	53	60	53	49	47	55	56	66	60	67	56	63	70	63	49	52	62	61	60	60	56.7
CORNING	MAX	72	62	70	76	78	83	65	66	65	71	61	79	71	78	73	83	86	88	86	84	83	84	88	81	70	72	78	74	76	82	76.2
	MIN	49	52	45	56	54	53	39	35	39	50	45	58	58	51	50	67	60	59	64	67	60	59	63	70	61	50	48	55	54	54	54.0
CROSSETT 7 S	MAX	74	71	80	78	79	79	69	71	67	63	77	73	75	79	87	86	85	88	85	82	82	88	87	86	86	83	81	87	90	88	80.2
	MIN	51	49	40	50	65	65	47	36	49	54	50	60	57	52	45	51	51	61	59	65	59	58	64	68	46	45	57	58	57	59	54.3
CUMMINS FARM	MAX	65	72	75	74	70	70	70	70	70	70	70	70	74	76	78	88	83	84	87	86	86	89	89	88	78	78	77	85	85	77.8	
	MIN	50	50	45	48	55	48	50	40	50	50	50	55	50	47	51	56	52	60	58	61	54	60	64	64	50	53	60	61	61	61	53.6
GARDANELLE	MAX	71	70	81	78	79	71	70	70	76	72	81	74	72	79	88	89	90	87	81	78	85	93	86	78	82	81	83	86	85	85	80.0
	MIN	53	48	42	59	56	54	41	39	47	55	55	49	55	50	46	55	52	68	68	68	57	63	71	53	53	53	64	53	62	64	55.1
DE QUEEN	MAX	68	76	81	88	82	74	78	72	76	65	80	75	67	82	88	88	84	89	82	78	84	92	84	82	88	80	83	85	91	89	81.0
	MIN	46	40	47	59	59	57	38	39	52	57	53	58	54	48	48	51	54	65	64	67	58	61	62	62	46	56	62	57	59	63	54.7
DES ARC	MAX	72	61	68	76	72	81	79	66	66	74	62	78	68	74	76	83	85	86	86	84	77	82	89	82	75	79	76	78	85	85	76.8
	MIN	49	49	46	52	56	54	43	40	46	52	56	58	55	50	50	55	58	65	66	62	59	59	68	59	53	52	57	62	59	59	55.0
DEVILS KNOB	MAX	61	65	71	68	72	60	63	65	70	64	71	67	59	74	80	84	82	83	75	67	80	86	81	73	78	75	73	81	84	81	73.1
	MIN	47	44	49	53	49	44	37	40	46	48	48	52	46	47	57	61	64	62	61	59	55	62	63	53	48	55	57	57	56	58	52.6
DUMAS 1	MAX	68	64	78	75	75	68	58	60	61	62	77	71	74	77	85	86	89	85	78	82	82	84	84	84	81	82	80	84	89	85	76.9
	MIN	54	48	44	54	54	52	45	41	48	55	56	51	51	56	54	56	56	58	56	66	58	61	66	66	52	54	56	62	57	60	54.9
EL OORAOO CAA AP	MAX	69	72	81	78	79	75	68	73	66	64	75	70	71	78	88	86	86	86	84	78	83	87	83	84	85	85	81	86	93	90	79.5
	MIN	50	46	44	53	62	50	44	39	49	54	52	54	54	51	49	56	55	64	63	65	60	64	65	66	49	52	61	56	60	63	55.0
EUREKA SPRINGS	MAX	67	67	75	72	72	65	62	71	72	68	71	74	65	68	83	87	86	85	80	72	84	91	88	76	77	82	82	80	81	84	76.2
	MIN	49	47	48	58	49	46	35	36	43	49	50	55	48	49	49	66	57	65	67												

Table 5-Continued

DAILY TEMPERATURES

ARKANSAS
APRIL 1955

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	
HOT SPRINGS	MAX	72	72	80	78	84	79	72	72	78	70	79	75	67	80	87	87	88	86	81	77	83	90	85	78	86	84	83	86	88	89	80.5	
	MIN	50	45	50	59	60	52	43	40	50	55	56	57	53	51	54	62	60	66	67	66	66	67	66	62	65	65	62	60	60	63	56.7	
JONESBORO	MAX	67	69	76	76	80	75	64	63	73	68	73	70	77	72	83	85	88	87	81	76	81	89	83	74	73	75	70	82	80	78	76.3	
	MIN	47	49	48	54	55	51	40	38	43	53	53	60	56	50	50	59	58	61	66	67	57	62	70	59	53	50	55	55	59	59	54.6	
KEO	MAX	67	68	77	75	81	73	66	66	73	63	80	73	73	78	86	88	85	89	84	77	85	93	84	78	80	78	79	86	85	83	78.4	
	MIN	53	47	43	54	55	53	40	40	46	55	53	59	53	49	50	55	55	63	62	65	57	62	69	61	50	51	61	59	58	60	54.8	
LEAO HILL	MAX	67	70	76	75	73	62	65	70	75	64	76	75	70	76	86	91	88	88	78	76	82	94	84	75	77	83	78	82	83	84	77.4	
	MIN	50	46	36	58	46	44	29	27	34	46	50	54	50	48	48	55	60	64	65	56	58	59	62	58	50	46	60	57	49	48	50.6	
LITTLE ROCK WB AP	MAX	66	67	78	75	81	66	67	67	73	61	81	69	70	79	87	89	84	87	83	76	84	92	83	76	81	77	81	85	85	84	77.8	
	MIN	45	49	46	54	58	51	44	45	50	55	55	56	52	50	51	61	57	65	66	68	58	64	66	61	53	54	62	64	64	63	56.2	
MAGNOLIA 3 N	MAX	72	71	80	80	74	70	67	69	68	66	75	69	69	76	86	84	83	85	83	80	83	88	83	82	84	84	83	85	89	89	78.0	
	MIN	52	43	43	55	56	56	45	38	49	52	52	56	53	48	47	57	57	64	64	61	58	65	64	65	45	50	59	53	59	59	53.9	
MALVERN	MAX	70	70	80	79	83	79	69	71	73	56	76	69	80	86	88	89	86	85	84	81	84	91	87	82	82	79	85	86	88	89	81.0	
	MIN	54	44	41	59	56	55	43	38	54	56	59	54	46	46	52	50	65	63	67	68	57	60	69	64	49	51	61	61	58	58	55.4	
MAMMOTH SPRING	MAX	63	71	77	74	83	73	66	70	75	66	77	72	76	75	87	90	89	87	80	75	83	94	84	76	86	81	77	85	85	84	78.2	
	MIN	50	49	38	50	50	50	31	30	34	41	51	60	53	47	40	59	54	65	69	58	58	56	71	60	50	45	55	50	58	50	51.1	
MARIANNA	MAX	69	57	65	72	70	80	67	63	64	72	61	74	68	74	72	81	83	83	85	79	79	80	85	79	80	85	79	75	82	85	74.4	
	MIN	50	49	45	54	58	55	44	44	49	44	44	49	45	57	59	57	57	61	60	64	59	60	64	58	54	50	56	57	49	48	55.5	
MARKEO TREE	MAX	73	58	68	75	75	82	66	63	64	75	62	75	68	77	73	85	85	88	87	82	78	82	88	78	73	73	77	72	82	81	75.1	
	MIN	36	49	45	47	55	55	43	39	42	46	57	57	45	52	51	52	58	60	60	64	65	58	66	60	54	50	54	55	58	52	53.0	
MARSHALL	MAX	65	67	74	69	77	64	63	69	73	69	72	72	68	74	83	85	82	83	79	84	89	88	82	78	75	78	74	80	82	83	76.0	
	MIN	50	46	43	47	48	46	33	32	46	51	51	61	54	54	42	61	61	62	57	55	62	62	61	53	51	46	53	59	53	52	51.1	
MENA	MAX	64	70	77	77	79	70	65	70	75	68	77	70	62	79	85	85	85	85	78	73	81	88	80	74	83	76	82	81	87	87	77.0	
	MIN	46	44	45	59	58	50	44	38	48	54	55	56	51	49	50	59	57	66	65	65	55	63	65	59	50	54	63	55	57	63	54.4	
MONTICELLO	MAX																					81										81.0	
	MIN																					61											61.0
MORRILTON	MAX	69	70	78	75	79	69	69	67	74	67	78	72	70	78	86	88	87	86	80	78	85	90	85	75	81	76	79	86	85	84	78.0	
	MIN	53	48	40	59	56	52	43	39	44	53	54	58	53	52	45	55	54	67	67	68	56	62	69	64	52	50	63	59	61	59	55.0	
MOUNT IOA	MAX	68	59	71	77	78	80	61	68	70	55	65	75	70	65	78	85	85	85	86	79	80	83	89	81	80	83	76	82	84	87	76.1	
	MIN	34	41	36	40	55	54	37	30	42	47	51	54	52	43	40	50	49	67	67	67	80	48	68	65	53	45	48	48	54	54	49.0	
MOUNT MAGAZINE	MAX	57	61	69	65	70	65	58	62	66	61	70	64	56	68	79	80	79	77			72	76	83	78	69	71	70	76	76	77	70.1	
	MIN	41	39	48	52	57	43	38	43	46	47	49	50	45	44	59	49	63	59	59	52	59	52	64	64	50	50	57	57	57	58	51.5	
MOUNTAIN HOME	MAX	68	70	74	72	75	70	65	68	73	69	75	72	70	74	86	88	86	86	80	74	82	83	82	75	78	75	82	83	83	83	76.0	
	MIN	48	50	41	53	50	48	38	34	38	44	51	58	50	44	42	61	56	67	69	59	57	58	70	50	47	57	57	57	57	52	51.1	
MOUNTAIN HOME C OF ENG	MAX	70	56	69	75	72	76	59	65	67	72	63	76	72	70	76	86	89	87	85	75	71	85	93	81	62	77	78	75	84	85	75.5	
	MIN	46	49	41	49	48	48	38	34	39	45	51	54	55	47	43	54	59	66	69	59	57	57	68	61	49	48	58	57	58	53	52.2	
NARROWS OAM	MAX	77	58	73	79	77	79	68	71	71	80	65	82	64	65	81	84	85	84	85	87	77	80	87	86	89	88	76	89	85	89	78.0	
	MIN	32	39	40	45	52	56	38	35	45	55	52	53	54	46	43	41	45	44	60	55	55	63	58	50	49	49	59	48	58	59	49.9	
NASHVILLE PEACH SUBSTA	MAX	72	58	74	76	78	80	67	69	69	73	64	75	62	65	77	83	82	80	82	79	76	80	85	80	79	84	76	80	82	87	75.0	
	MIN	48	42	45	50	58	54	37	39	47	52	52	54	54	49	46	53	54	60	62	62	62	59	64	62	50	55	60	55	60	64	53.7	
NEWPORT	MAX	58	70	78	72	83	70	68	66	75	64	79	69	75	77	84	88	89	89	84	77	83	90	82	72	78	79	75	85	84	85	77.0	
	MIN	46	45	40	49	52	51	39	35	39	50	51	57	50	46	49	60	60	64	69	68	59	64	64	63	63	51	58	59	61	57	54.4	
NIMROD DAM	MAX	75	75	69	80	75	81	68	69		78	65	78	72	70	77	87	88	88	87	78	77	85	92	82	75	81	80	87	86	88	79.0	
	MIN	45	45	42	43	41	55	38	33		43	52	52	50	47	45	52	55	62	60	62	55	60	70	63	50	48	60	61	57	58	51.1	
OKAY	MAX	73	73	79	80	78	75	68	71	72	70	79	76	68	79	85	85	84	86	85	80	83	87	87	83	86	85	81	83	90	90	80.0	
	MIN	50	45	53	60	59	53	49	41	51	56	54	58	54	51	49	58	55	65	64	65	59	65	66	64	54	54	62	55	59	62	56.0	
OZARK	MAX	67	72	78	76	74	66	70	69	74	68	75	71	65	77	86	88	87	86	78	77	83	91	84	76	84	78	83	84	85	86	77.0	
	MIN	50	45	49	57	49	51	35	37	49	54	55	57	52	50	50	54	58	65	68	67	56	64	69	59	48	54	63	59	59	63	54.4	
PARAGOULO	MAX	68	68	74	75	81	73	64	64	73	71	72	71	75	71	80	83	86	85	81	78	81	86	84	77	71	76	73	82	80	83	76.0	
	MIN	46	50	44	51	52	52	40	34	38	47	54	59	58	50	48	58	55	60	65	61	59	62	70	57	52	47	54	54	58	54	53.0	
PARIS	MAX	69	73	81																													

DAILY TEMPERATURES

ARKANSAS
APRIL 1955

Table 5-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	
STUTT GART 9 ESE	MAX	70	65	64	74	74	80	68	66	66	73	61	76	72	71	75	78	83	83	85	81	81	80	87	81	79	77	77	77	84	88	75.9 54.6	
	MIN	47	48	43	46	57	55	44	44	49	52	54	59	55	50	50	51	55	63	61	65	63	60	67	65	50	51	55	60	57	61		
SUBIACO	MAX	67	70	79	79	73	68	68	70	73	68	77	73	64	74	86	88	88	86	81	81	85	92	86	78	80	80	87	86	88	89	78.8 55.4	
	MIN	51	46	49	49	54	52	40	41	42	54	52	55	48	53	50	52	58	65	69	70	58	62	68	56	56	65	65	63	63			
TEXARKANA W8 AP	MAX	59	71	79	80	74	69	67	70	71	62	77	68	67	77	85	85	79	85	82	78	84	87	83	80	84	85	82	81	88	89	77.6 56.9	
	MIN	48	45	54	58	63	51	45	44	51	53	53	56	55	51	56	59	62	66	65	66	61	66	66	59	52	58	60	57	64	63		
TURNPIKE	MAX	61	62	72	71	72	61	60	65	70	62	72	67	61	74	80	84	82	79	76	70	80	87	80	70	76	75	76	81	81	81	72.9 52.3	
	MIN	46	43	51	45	46	45	39	40	45	48	48	51	48	46	57	61	67	61	60	57	53	61	63	55	50	55	59	53	57	58		
WALDRON	MAX	68	70	79	75	77	69	65	72	76	71	78	76	63	77	87	88	89	86	82	80	84	91	86	78	79	77	86	82	86	88	78.8 51.8	
	MIN	47	40	40	61	51	51	35	32	44	54	47	56	46	45	45	55	51	68	67	67	55	59	66	58	43	49	59	53	53	56		
WALNUT RIDGE CAA AP	MAX	58	70	75	72	80	64	65	64	73	62	74	69	76	73	82	84	86	85	79	73	80	87	79	68	74	76	70	82	81	80	74.7 53.4	
	MIN	50	49	44	54	52	47	40	39	41	52	53	59	53	50	49	58	57	63	67	59	60	64	60	55	53	50	56	55	60	54		
WARREN	MAX	72	74	75	73	76	72	68	71	70	63	80	71	75	79	89	87	88	88	87	83	82	90	83	83	84	80	83	88	90	88	79.7 55.7	
	MIN	56	45	46	56	62	50	43	39	50	54	55	57	56	51	51	56	59	64	63	68	64	64	67	64	54	52	56	57	58	53		
WHITE ROCK	MAX	60	64	73	71	71	68	61	64	70	65	67	66	80	83	83	82	75	72	79	85	83	75	78	74	77	78	81	82	82	73.8 53.0		
	MIN	45	44	49	55	51	43	40	41	46	49	43	52	50	62	64	61	60	58	57	63	63	52	52	57	58	54	57	57	57			
WILSON	MAX	60	70	76	78	82	81	71	60	77	62	71	73	78	78	83	86	89	89	82	83	83	88	88	78	78	78	79	82	81	82	78.2 56.7	
	MIN	45	50	46	56	57	55	46	43	46	53	57	61	59	53	59	63	64	62	67	68	59	65	69	56	54	55	55	61	59			
WYNNE	MAX	58	66	74	70	81	78	62	63	73	68	74	69	75	72	81	82	84	85	80	76	80	87	79	75	73	78	72	81	82	75.3 54.1		
	MIN	48	49	43	59	57	53	39	35	42	55	54	59	47	47	52	60	61	63	60	68	59	66	66	59	54	47	53	56	56		56	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	.21	*	*	.45	.07	.17	.11	.22	*	*	.48	.24	.06	.16	.22	*	*	.67	.32	.23	.05	.17	*	*	.89	.25	.19	.30	.28	-	6.048	
	WIND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HOPE 3 NE	EVAP	.29	.15	*	.35	.17	-	.19	.25	.17	-	-	.21	.20	.23	.37	.27	*	.18	.04	.14	.24	*	.49	.27	.18	.48	.19	.22	-	6.348 1080		
	WIND	44	39	*	75	17	41	64	29	31	54	*	47	25	55	37	23	61	40	*	47	25	17	42	*	139	25	29	39	20		15	
MOUNTAIN HOME C OF ENG	EVAP	.30	.05	.09	.25	.11	.15	.07	.20	.18	.21	.05	.16	.10	.20	.17	.25	.28	.41	.23	.14	.08	.26	.18	.41	.14	.20	.21	.12	.20	.20	5.60 1660	
	WIND	84	68	24	77	59	37	46	44	25	31	43	64	72	50	38	38	54	72	105	81	38	10	80	156	84	38	43	57	25	17		
NARROWS DAM	EVAP	.16	.11	.14	.21	.07	.15	.14	.18	.19	.24	.03	.18	.04	.18	.22	.25	.26	.21	.22	.19	.16	.15	.23	.24	.35	.27	.13	.34	.19	.27	5.70 1451	
	WIND	94	29	22	52	52	51	38	34	37	50	22	77	26	43	38	34	37	55	70	80	46	22	78	87	79	22	43	81	32	20		
NIMROD DAM	EVAP	.17	.13	.09	.23	.09	.15	.10	.17	*	.44	.07	.09	.14	.15	.30	.26	.26	.09	.38	.28	-	.30	.31	.41	.33	.25	.15	.25	.23	.24	6.278 1634	
	WIND	71	77	30	64	48	17	24	27	*	57	26	66	24	71	72	61	45	148	19	24	49	31	78	176	142	35	45	63	39	5		
RUSSELLVILLE	EVAP	.13	.09	.17	.09	.08	.10	.13	*	.40	.08	.10	.09	.13	.14	.23	.15	.32	.20	.13	.09	.17	.20	.18	.39	.16	.24	.23	.09	.24	.25	5.00 618	
	WIND	41	21	17	16	10	16	12	*	40	15	15	16	18	34	11	18	12	15	14	9	11	9	27	100	16	29	25	19	13	19		
STUTT GART 9 ESE	EVAP	*	.37	*	.20	*	.14	.17	.12	.24	.21	-	.18	-	.22	.10	.26	.21	.18	.23	.15	.04	.12	.22	.14	.33	.12	.14	.13	.18	4.858 1448		
	WIND	64	73	49	24	30	48	46	37	25	18	41	55	50	86	37	31	35	20	52	56	39	31	81	47	243	47	22	33	6		12	

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

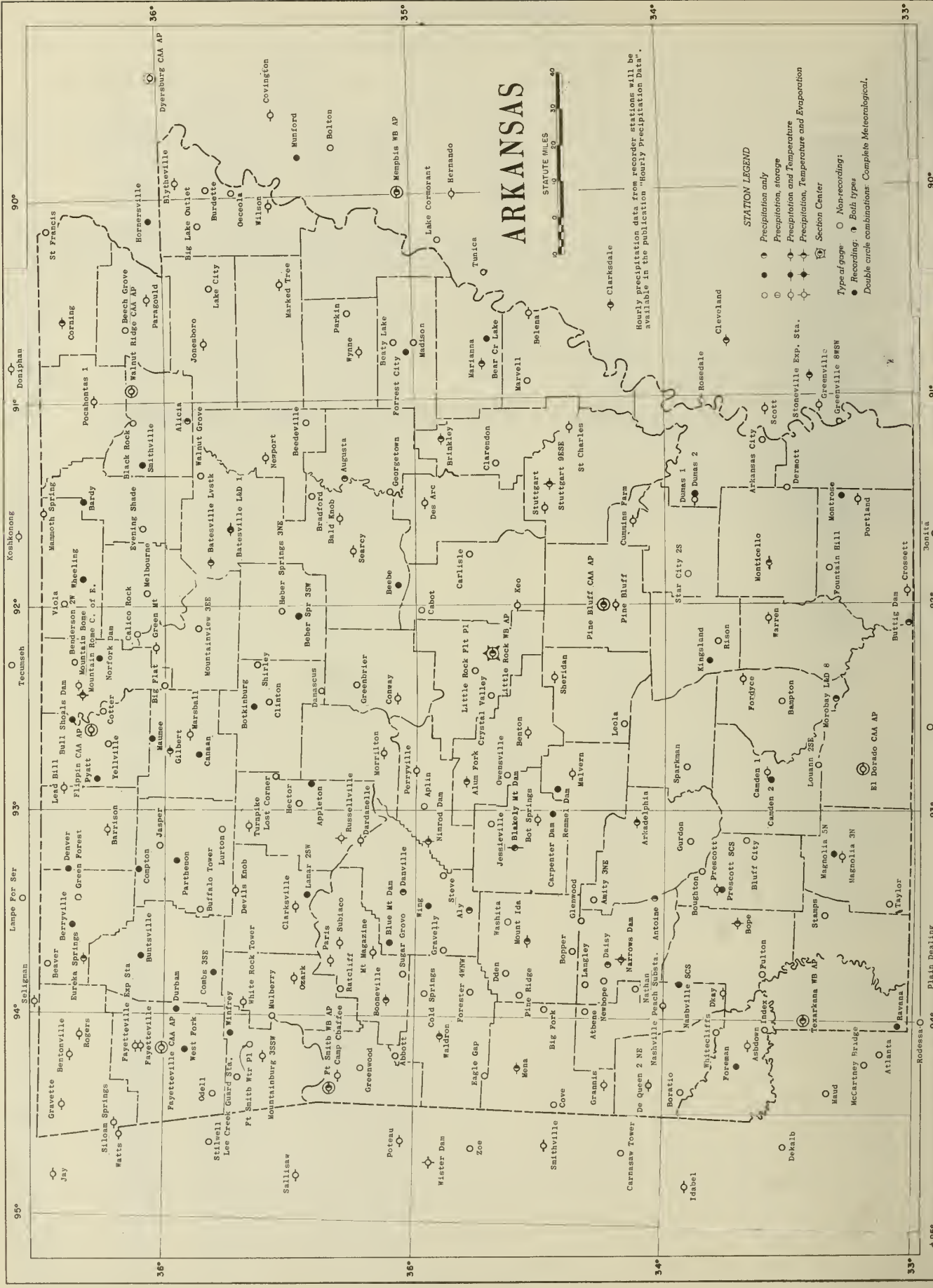
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 6-9-55 -- 1005



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

STATION LEGEND

- Precipitation only
 - Precipitation, storage
 - ⊙ Precipitation and Temperature
 - ⊕ Precipitation, Temperature and Evaporation
 - ⊗ Section Center
- Type of gage: ○ Non-recording;
 ● Recording; ⊙ Both types
 Double circle combinations: Complete Meteorological.

51.05
NAB
605

Nat. Hist. Lib

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
JUL 2 1955
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C. OFFICIAL BUSINESS
Permit No. 1024

U. S. Department of Commerce
Weather Bureau
OFFICIAL BUSINESS
Penalty for private use to avoid
payment of postage, \$300.
PERMIT 1024

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

MAY 1955

Volume LX No. 5



ASHEVILLE: 1955

Nat. Hist. Lib

AUG 3 - 1955

WEATHER SUMMARY

May was warm and rainy. Temperatures averaged slightly above normal and rainfall averaged 31% more than normal. Many stations received rain on ten to fifteen days during the month. An outstanding feature of the weather was the storm of the night of the 26th which brought several inches of rain to a number of stations. The greatest amount for that night was 9.45 inches at Keo. Heavy rains, high winds, and hail caused some damage to small grain, hay, and row crops. Soil moisture was adequate to excessive and sunny weather was needed for farmers to do necessary replanting and to work their fields. Grass was becoming a problem in some fields of row crops. Livestock had excellent grazing. Stock ponds were full. Commercial vegetables and gardens continued to do well.

Temperatures averaged a few degrees above normal throughout May except near or slightly below normal on the 20th, 21st, and the last few days. The highest temperatures, which were mostly in the high 80's or low 90's, were registered during the first week or on the 25th. Camp Chaffee recorded the highest maximum, 97°, on the 1st. Many stations registered their coldest temperatures on the 1st; many others, on the 30th. In general, monthly minimums ranged from the low 40's to the middle 50's. The lowest temperature for the month was 42° at Gravette. This is the highest monthly minimum for the State for any May since 1902.

Precipitation ranged from light to extremely heavy. Waldron received 1.48 inches of rain during the month. At the other extreme, Keo's amount was 13.76 inches. A few counties in the extreme west central part of the State received less than four inches. Several counties in east central Arkansas also received less than four inches. Most of the rest of the State received over six inches with totals exceeding nine inches over several counties in central Arkansas. Rains during the first week were mostly light with only a few stations reporting more than an inch. Precipitation during the second week was mostly light in the south but with local amounts in the northeast ranging up to several inches. General rains occurred over most of the State during the fourth week with amounts exceeding five inches at a few stations. On the night of the 26th, torrential rains fell over central Arkansas. Several stations received over five inches of rain during that night and five stations--Carlisle 1 SW, Des Arc, Keo, Little Rock WBAP, and Owensville--received over six inches. The average rainfall for the State for the month was 6.37 inches or 1.50 inches above normal. Most stations received more than their normal May amounts. Some exceptions were in the east central, extreme west central, extreme southwest, and extreme north central. Several counties from the vicinity of Little Rock and extending toward the northeast part of the State exceeded their normals by two inches or more. Little Rock received 6.70 inches more than the normal for that station.

The heavy local rains washed out some cotton and flooded some low fields, making replanting necessary. Grass was a problem in northeastern and northwestern counties. Elsewhere, the fields were mostly clean and the crop was in fair to good condition. The growers needed two weeks of fair weather for chopping and cultivating. Most of the rice was up to good stands. Some rice was not yet seeded. Some soybeans had not yet been planted. Some replanting of washed out fields was yet to be done. Other fields were up and growing rapidly. Corn and sorghums were doing well in most counties. Some had not yet been planted. Hay crops were making abundant growth. Substantial quantities of alfalfa and grain hay were damaged or completely lost while curing. Some tomato plants were still being set out at the end of the month and the harvest of commercial crops was about to begin in the south. The crop was in all stages of growth between those extremes. Other vegetables were in good condition and making favorable progress.

STORMS

Numerous severe storms occurred over the State during May. A few pertinent facts relating to some of these are included below. For more details regarding the May storms, the reader is referred to Climatological Data, National Summary.

Several witnesses saw a funnel cloud in Mississippi County at 4:50 p.m. on the 10th. The principal damage was the demolition of a grandstand. The total property damage was estimated at \$150,000. Between 3:30 and 4:30 p.m., May 10, hail caused considerable damage to crops and wind damaged property to the extent of \$100,000 in and near Swifton, Jackson County. Several persons witnessed the storms; one reported a funnel cloud which did not dip to the ground. A number of residents of the Jamestown community, Johnson County, reported seeing a small twister dip several times before hitting a dwelling which was twisted on its foundation. A tornado near Grays, Woodruff County, about 1 p.m., May 20 destroyed one house, unroofed several, and blew down small grain. Several reports originating from as many counties included damage to dwellings and power lines by lightning on the 20th. Lightning and wind caused \$12,000 damage in Warren, Dermott, and McGehee on the afternoon of the 23d. Lightning caused several thousand dollars damage to a house in Gravette and destroyed a barn near Rogers on the evening of the 23d. Hail destroyed 3,000 acres of cotton and 5,000 acres of other crops in Mississippi County on the 25th. The total losses were estimated at \$100,000. From 4 1/2 to 6 inches of rain accompanied the storm. Wind and heavy rain caused considerable damage to several buildings in the Hurricane Grove community on the 26th. A tornado did \$200,000 damage over a path 500 to 1,500 yards wide and 30 miles long in Garland and Saline Counties on the afternoon of the 26th. Another tornado on the afternoon of the 26th did \$10,500 damage to eight houses and two garages in Perry County. Heavy rains from 6:30 p.m., May 26th, to 4:00 a.m. May 27th, did considerable damage to crops and \$1,000,000 damage to other property in Pulaski, Lonoke, Prairie, and Monroe Counties. The principal damage was in Little Rock where many automobiles were stalled and warehouses and other property suffered extensive damage.

At 8:20 p.m., May 26, a tornado destroyed several houses and other buildings and damaged many houses and other buildings from Fitzhugh to near Weldon. The total damage from the May storms was in the neighborhood of \$2,000,000.

(Continued on Page 54)

SUPPLEMENTAL DATA

ARKANSAS
MAY 1955

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
FORT SMITH WB AIRPORT	ENE	23	8.1	34	W	26	86	92	61	66	1	5	5	2	1	1	15	64	6.1	
LITTLE ROCK WB AIRPORT	ENE	11	9.4	37	S	25	78	84	55	58	1	5	2	0	2	1	11	45	7.1	
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	1	1	6	4	1	0	12	-	-	

COMPARATIVE DATA

MAY

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall	
1891	67.0	97	36	2.78	0.0	1916	71.6	99	34	3.56	0.0	1941	71.4	97	40	2.22	0.0	
1892	76.8	95	36	9.52	0.0	1917	63.5	97	31	3.15	0.0	1942	68.0	100	36	3.89	0.0	
1893	58.6	94	38	9.71	0.0	1918	72.2	102	29	3.01	0.0	1943	71.0	95	38	7.89	0.0	
1894	70.1	95	35	3.40	T	1919	66.8	96	38	6.01	0.0	1944	70.3	96	28	6.42	0.0	
1895	69.0	97	36	3.91	0.0	1920	70.8	96	39	8.17	0.0	1945	66.2	99	32	5.23	0.0	
1896	74.3	98	46	3.54	0.0	1921	69.7	99	29	2.25	0.0	1946	66.4	93	33	9.47	0.0	
1897	68.3	99	33	2.13	0.0	1922	70.8	100	40	5.00	0.0	1947	67.4	95	35	5.50	0.0	
1898	72.1	100	30	6.44	0.0	1923	67.2	98	27	8.24	0.0	1948	68.7	97	35	5.15	0.0	
1899	72.9	96	44	6.45	0.0	1924	84.5	94	30	4.62	0.0	1949	71.3	94	30	5.29	T	
1900	69.3	97	37	3.69	0.0	1925	68.0	102	26	1.88	0.0	1950	69.7	95	40	8.12	T	
1901	68.2	100	31	2.95	0.0	1926	69.7	107	29	2.42	0.0	1951	69.1	101	33	1.93	T	
1902	73.2	100	42	4.34	0.0	1927	71.7	97	32	6.54	0.0	1952	68.9	100	31	4.14	T	
1903	67.5	96	24	7.47	0.0	1928	69.5	98	34	3.60	0.0	1953	70.1	99	38	7.59	T	
1904	67.1	98	31	3.39	0.0	1929	67.6	97	30	6.31	0.0	1954	64.8	95	26	5.43	T	
1905	70.7	98	38	9.58	0.0	1930	68.8	95	37	10.06	0.0	1955	71.6	97	42	6.37	T	
1906	68.8	100	28	4.71	0.0	1931	65.2	96	27	3.45	0.0	All Years	69.2			5.11	T	
1907	63.8	91	31	9.48	0.0	1932	69.5	96	35	1.96	0.0							
1908	70.0	96	30	7.05	0.0	1933	71.8	96	41	6.27	0.0							
1909	67.0	92	28	6.76	0.0	1934	70.3	103	35	3.36	0.0							
1910	66.0	95	31	6.56	0.0	1935	66.7	94	35	8.86	0.0							
1911	70.8	101	26	1.11	0.0	1936	70.9	96	35	2.50	0.0							
1912	69.9	98	32	2.41	0.0	1937	71.1	99	36	3.63	0.0							
1913	69.3	99	35	3.32	0.0	1938	70.2	97	34	4.62	0.0							
1914	69.5	97	34	3.34	0.0	1939	69.4	96	34	4.85	0.0							
1915	69.9	101	34	5.58	0.0	1940	66.6	96	33	3.62	0.0							

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										30° or Above	32° or Below	32° or Below	32° or Below					Total	Max. Depth on Ground	Date	.18 or More	.50 or More	1.00 or More	
																								Max.
HIGHLAND DIVISION																								
ALUM FORK	83.3	59.8	71.6	3.5	91	5	51	30	0	3	0	0	0	7.85	2.21	3.25	27	T	0	0	0	7	4	2
ASHDOWN	84.3	62.3	73.3		90	2+	51	30+	0	4	0	0	0	6.25		1.30	8	0.0	0	0	12	4	1	
BENTON	82.9	58.5	70.7	2.5	92	5+	49	30	1	2	0	0	0	7.87		3.90	27	0.0	0	0	9	4	1	
BENTONVILLE	78.4	56.6	67.5	2.0	88	4	45	30	21	0	0	0	0	6.24	1.15	1.53	20	0.0	0	0	10	4	2	
ROONEVILLE	84.1	61.1	72.6		94	5	49	30	0	7	0	0	0	4.17		1.57	21	0.0	0	0	6	3	1	
CAMP CHAFFEE	83.6	60.0	71.8		97	1	45	14	2	6	0	0	0	6.79		1.05	12	0.0	0	0	11	7	1	
CLARKSVILLE	83.2	60.5	71.9		93	5+	49	30	1	3	0	0	0	6.52		1.94	20	0.0	0	0	9	4	3	
CONWAY	84.1	61.3	72.7	2.7	92	5+	53	30	0	3	0	0	0	6.95	1.78	2.83	27	0.0	0	0	6	3	2	
ORDANELLE	83.9	61.1	72.5	2.2	94	5+	51	8	0	5	0	0	0	6.16	0.84	1.87	21	0.0	0	0	8	4	2	
DE QUEEN	85.7	61.7	73.7	3.3	92	5+	49	30+	0	6	0	0	0	5.54	0.25	1.43	27	0.0	0	0				

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
MAY 1955

TABLE 2 - CONTINUED

Station	Temperature										Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest Date	Lowest Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day Date	Total	Snow, Sleet, Hail Max. Depth on Ground	No. of Days 1.00 or More			
								90° or Above	32° or Below	32° or Below	0° or Below									
DEVILS KNOB	76.5	57.8	67.2		89 5 48 30	17	0	0	0	0	5.94		1.24	20	0.0	0	11 5 1			
EUREKA SPRINGS	78.4M	58.6M	68.5M	1.8	89 4 47 30	13	0	0	0	0	7.77	2.06	3.04	20	0.0	0	9 6 2			
FAYETTEVILLE	78.9	59.4	69.2		88 4 47 30	8	0	0	0	0	6.94		1.39	6	0.0	0	11 5 4			
FAYETTEVILLE CAA AP	78.6	56.9	67.8		88 4 46 30	19	0	0	0	0	7.29		1.94	26	T	0	11 4 3			
FAYETTEVILLE EXP STA	79.1	57.8	68.5		88 4 45 30	14	0	0	0	0	6.51	1.09	1.56	26	T	0	11 4 3			
FLIPPIN CAA AP	82.8	61.7	72.3	2.7	93 25 53 30	0	7	0	0	0	5.13		2.11	20	0.0	0	9 3 1			
FORT SMITH WB AP	82.2	57.2	69.7		89 5 45 30	6	0	0	0	0	6.38	1.32	2.13	26	T	0	9 4 2			
FT SMITH WATER PLANT	82.2	55.4	68.8		92 4 43 30	11	4	0	0	0	6.59		0.0	0	0.0	0				
GILBERT	82.2	55.4	68.8		92 4 43 30	11	4	0	0	0	7.11	1.97	2.00	21	0.0	0	11 3 3			
GRANNIS	81.3	60.4	70.9	3.2	87 5 51 30	0	0	0	0	0	5.68	-0.23	2.69	27	0.0	0	7 3 1			
GRAVETTE	79.0	56.4	67.7	2.1	89 7 42 30	16	0	0	0	0	5.91	0.37	1.68	20	0.0	0	10 4 1			
GREEN MOUNTAIN	78.1	61.0	69.6		88 26 52 22	0	0	0	0	0	6.53		3.25	21	0.0	0	8 4 1			
HARRISON	80.0	56.6M	68.3M	2.1	91 4 43 30	9	1	0	0	0	6.99	1.68	3.40	20	0.0	0	11 3 3			
HOPE 3 NE	84.3M	62.3M	73.3M	2.3		0	0	0	0	0	6.21	1.12	1.49	27	0.0	0	10 5 1			
HOT SPRINGS	83.9	62.8	73.4	3.1	93 5 54 30	0	3	0	0	0	9.09	3.35	2.75	27	0.0	0	10 5 2			
LEAO HILL	81.2	56.5	68.9	2.0	93 4 45 30	7	2	0	0	0	4.89	-0.51	1.25	19	0.0	0	9 5 1			
LITTLE ROCK WR AP	83.5	62.8	73.2	3.4	92 25 56 2	0	4	0	0	0	11.55	6.70	7.68	26	T	0	5 3 3			
MALVERN	85.4	61.3	73.4		93 5 50 30	0	7	0	0	0	7.03		3.03	27	0.0	0	9 6 1			
MAMMOTH SPRING	81.1	56.8M	69.0M	2.4	94 4 44 1	7	3	0	0	0	6.20	1.59	1.80	21	0.0	0	8 6 2			
MARSHALL	79.7	59.8	69.8	2.8	89 4 48 30	5	0	0	0	0	7.12	0.33	2.22	21	0.0	0	9 5 3			
MENA	81.4	61.3	71.4	2.6	88 7 52 30	0	0	0	0	0	4.52	-1.69	1.84	27	0.0	0	7 3 1			
MORRILTON	83.6	60.9	72.3	2.8	92 5 54 1+	0	3	0	0	0	5.02	0.40	1.65	27	0.0	0	8 5 1			
MOUNT IOA	83.0	58.9	71.0	3.0	90 6+ 47 30	1	3	0	0	0	7.47	1.79	2.80	21	0.0	0	8 3 2			
MOUNT MAGAZINE											6.24				0.0	0				
MOUNTAIN HOME	80.3	57.9	69.1	2.2	91 4 50 1	4	2	0	0	0	6.24	-0.28	2.43	20	0.0	0	8 3 1			
MOUNTAIN HOME C OF ENG	80.2	58.2	69.2		92 5 50 1	10	2	0	0	0	5.70		1.38	20	0.0	0	10 4 2			
NARROWS DAM	84.7M	59.5	72.1M		93 6 47 30	0	3	0	0	0	5.70		2.55	27	0.0	0	9 4 3			
NASHVILLE PEACH SUBSTA	82.9	61.3	72.1		90 6 53 29	0	1	0	0	0	8.19		1.33	27	0.0	0	10 5 3			
NIMROD DAM	84.3	59.2	71.8		94 6 51 29	0	6	0	0	0	6.58		1.92	27	0.0	0	8 6 5			
OKAY	85.4	61.6	73.5	2.3	92 7 48 7	0	4	0	0	0	7.33	0.89	1.53	24	0.0	0	12 5 1			
OZARK	82.7	60.1M	71.4M	1.9	94 5 48 30	0	3	0	0	0	6.43	0.95	2.89	21	0.0	0	11 2 1			
PARIS	85.0	60.2	72.6		93 4+ 49 30	0	8	0	0	0	7.43		3.45	20	0.0	0	10 4 2			
PERRYVILLE											4.77	-0.97	2.19	27	0.0	0	6 4 1			
ROGERS	76.5	58.8	67.7	1.7	85 2+ 48 30	13	0	0	0	0	6.90	1.55	2.49	20	0.0	0	10 5 1			
RUSSELLVILLE	84.0	60.8	72.4	2.4	92 5+ 49 29	2	4	0	0	0	5.41	-0.08	1.79	27	0.0	0	9 4 2			
SHERIDAN TOWER	84.7	58.1	71.4		92 5 51 1+	0	7	0	0	0	7.85		4.94	27	0.0	0	10 3 1			
SILOAM SPRINGS	78.4	56.2	67.3		89 5 43 30	21	0	0	0	0	6.72		1.24	20	0.0	0	12 6 2			
SUBIACO	83.8M	61.0M	72.4M	2.4	94 5	2	8	0	0	0	6.11	0.86	3.71	20	0.0	0	7 2 1			
TEXARKANA WB AP	83.8	64.3	74.1	2.2	90 25 56 30	0	1	0	0	0	4.73	-0.40	1.11	26	0.0	0	11 5 1			
TURNPIKE	75.5	58.9	67.2		86 5 49 30	20	0	0	0	0	6.02	0.10	1.88	20	0.0	0	9 4 2			
WALORON	84.4	59.0	71.7		93 25 47 30	1	4	0	0	0	1.48	-4.08	0.77	20	0.0	0	5 1 0			
WHITE ROCK	76.3M	59.6M	68.0M			12					6.90		3.05	21	0.0	0	10 4 3			
DIVISION			70.7	2.2							6.46	1.15	T							
DELTA DIVISION																				
ARKADELPHIA	84.9	62.2	73.6	2.8	94 5 54 30	0	5	0	0	0	6.22	1.02	2.10	27	T	0	10 5 1			
BALO KNOB	82.5	60.1	71.3		90 25 46 1	0	1	0	0	0	5.72		1.85	20	0.0	0	8 4 2			
BATESVILLE LIVESTOCK	82.0	55.4	68.7		91 6 43 1	8	2	0	0	0	5.62		1.75	21	0.0	0	8 4 2			
BATESVILLE L AND D NO 1	83.1	57.6	70.4		92 7 43 1	5	2	0	0	0	5.78	0.85	2.14	21	0.0	0	8 3 3			
BLYTHEVILLE	82.1	62.6	72.4	2.2	91 6 51 29	4	5	0	0	0	4.74	1.15	2.11	26	0.0	0	7 4 1			
BRINKLEY	84.6	60.4	72.5	2.5	93 5 46 1	0	3	0	0	0	8.23	2.84	3.60	27	0.0	0	7 4 3			
CAMDEN 1																				
CORNING	81.3	60.6	71.0	2.6	90 3+ 50 1	6	4	0	0	0	8.50	4.06	3.30	21	0.0	0	8 5 3			
CROSSETT 7 S	86.3	60.9	73.6	2.2	90 2+ 50 30+	0	3	0	0	0	4.06	-0.08	1.34	23	0.0	0	9 3 1			
CUMMINS FARM	83.5M	62.7M	73.1M		90 5 52 1	0	1	0	0	0	4.43		1.60	20	0.0	0	6 3 3			
OES ARC	83.5	60.2	71.9		91 6 49 1	0	3	0	0	0	12.23		6.92	27	0.0	0	8 4 2			
DUMAS 1	85.7	62.1	73.9	2.5	93 5 52 1+	0	7	0	0	0	3.22	-1.44	0.94	20	T	0	5 3 0			
EL DORADO CAA AP	85.5	62.4	74.0	2.4	92 25 51 30	0	5	0	0	0	7.14	2.44	2.15	20	0.0	0	5 5 5			
FOROYCE 6 W	85.3	61.9	73.6	2.3	92 25 50 30	0	4	0	0	0	3.84	0.16	1.01	24	0.0	0	7 3 1			
HELENA	86.0	63.5	74.8	4.1	95 8 54 1+	0	5	0	0	0	3.40	-1.00	2.34	21	0.0	0	4 2 1			
JONESBORO	81.9	61.1	71.5	1.8	90 7 52 1	2	1	0	0	0	6.90	2.88	1.76	21	T	0	11 5 2			
KEO	83.8	60.8	72.3		91 25 50 1	0	5	0	0	0	13.76		9.45	27	0.0	0	7 4 2			
MAGNOLIA 3 N	85.7	61.9	73.8	1.9	91 25 49 30	0	2	0	0	0	6.46	1.85	2.50	20	0.0	0	6 3 3			
MARIANNA 2 S	84.3	61.5	72.9	2.3	91 6+ 52 1	0	3	0	0	0	3.23	-0.69	1.51	27	0.0	0	5 2 1			
MARKED TREE	83.7	60.8	72.3	3.1	93 26 53 1+	1	6	0	0	0	5.12	0.32	2.65	27	0.0	0	7 3 1			
MONTICELLO 3 S	85.2M	61.2M	73.2M		91 4 48 30	0	5	0	0	0	7.79		2.65	21	0.0	0	6 4 4			
NEWPORT	84.7	61.4	73.1	3.2	94 25 54 2+	0	7	0	0	0	7.12	2.89	3.09	20	0.0	0	7 4 2			
PARAGOULO	81.9	58.7	70.3		90 7 47 1	4	1	0	0	0	7.62	3.43	2.76	21	0.0	0	7 3 3			
PINE BLUFF	84.9	63.9M	74.4M	3.0	93 5 55 1+	0	5	0	0	0	4.19	-0.22	2.15	21	0.0	0	8 2 1			
PINE BLUFF CAA AP	84.2	62.0	73.1		91 5+ 52 30	1	2	0	0	0	6.64		4.48	20	0.0	0	10 1 1			
POCAHONTAS 1	82.2M	58.6M	70.4M	1.9	89 5 48 1	2	0	0	0	0	7.74	3.04	1.74	21	0.0	0	8 7 3			
PORTLAND	84.5	62.4	73.5	1.8	90 6 55 3	0	1	0	0	0	6.40	1.70	2.00	24	0.0	0	10 4 3			
PRESCOTT	84.8	61.5	73.2	1.7	93 8 56 29	0	7	0	0	0	7.32	2.43	1.93	20	0.0	0	11 4 3			
SAINTE CHAR																				

DAILY PRECIPITATION

ARKANSAS
MAY 1955

Table 3—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			
MARSHALL	7.12					.95		.26	.18			1.02	.47							1.19	2.22					.02				.52		.29			
MARVELL	3.25					T							.76							.11	.68						.12				.78	.11			
MELBOURNE																																			
MENA	4.52					.13						.02	.25							.83	.49	.07					.28								
MONTICELLO 3 5	7.79				.30							.23							.08	1.41	2.65		1.23		1.89					1.84	.01	.60			
MOROZAY L AND D NO 8	5.87											.42	.09						.10	.02															
MORRILTON	5.02					T		.09	.43			.60	.12	T							.67	.76										1.65	.51		
MOUNT IDA	7.47					.03		.27				.31	.25						.07		.42	2.80				.06						2.73	.02	.51	
MOUNT MAGAZINE	6.24				.15		.18	.40	.27			.41	.09							*	*			*									5.01		
MOUNTAIN HOME	5.03								.27		.02	.73	.57									2.43	.28					.34	.10	.03			.26		
MOUNTAIN HOME C OF ENG	5.70							.28				.76	.46	.28	.01	T					1.38	1.16	.43	T			.59	.12			.19	.06			
MOUNTAIN VIEW I W	8.72				.48		.02	.18			3.00	.11	.91			.08	T				1.20	1.31	T	T		.03						.78	.62		
MULBERRY	7.66						.33	.51				.60	.86	.27							.82	2.37	T			.14						1.51	.19	.06	
NARROWS OAM	8.19											.28	.65	.08					.14	.02													2.55	.45	
NASHVILLE PEACH SUBSTA	6.58				.33			.19				.32	.65	.02		1.28		.07			1.08	.14	.07				T				1.33	.28			
NATHAN	6.06						.07				.44	.59	.26						.61	.19	.02											2.37	.30		
NEWHOPE	6.40											.70									1.00	.40	.60									3.20	.50		
NEWPORT	7.12					T	.26					.15	.09							.13	3.09	.55	.04	.04							2.13	T	.64		
NIHROD DAM	7.53											1.19	.17							T												1.92	.24	.60	
NOELL	6.21				.32	.10	.37					.15	.48	.20							.46	1.78	.38	.62								1.35			
ODEN	6.66					1.03	.03					.28	.12						.03	.04		.88	.51	.14		.16						2.70	.76		
OKAY	5.75							.20				.55	T					.51	.39		.20	.75	.23		.19	1.53	.49	.19	.52						
OSCEOLA	4.99											.09	.53	.27								.97	T				.79	2.25					.09		
OWENSVILLE	10.18				.07	.01	.88	.37	.70										T	T	.10	.60			.10							6.80	.10	.45	
OZARK	6.43				.38	.42	.30					.35	.66	.12						.01	.49	2.89	.05	.16								.12	.41	.07	
PARAGOULO	7.62							.31			.01	.20	.36	.06																			2.27	1.31	
PARIS	7.43				1.24	.61		.26				.61	.11								3.35	.36	.03	.02								.10		.28	
PARKIN	7.41							T				.63	.49	.16							.11	1.48	.07									3.90		.47	
PERRYVILLE	4.77						.61				.67										.50	.39	.03									2.19	.38	.47	
PINE BLUFF	4.19					.24	.21					.07	T							T	.23	2.15	.17	.36								.66		T	
PINE BLUFF CAA AP	6.64					.15		.21				.01	.11					.24	.28		.03	4.48	.26		.48	.01						.26	.12		
PINE RIDGE	7.06				1.13							.19	.23					.13			.62	.59	.52									2.80		.85	
POCAHONTAS 1	7.74					.68						.98	1.12	.74							.06	1.74	.90									1.34		.16	
PORTLAND	6.40				.20	.28						.60	.45					T	.23		.41	1.00	.18		2.00						T		.05		
PRESCOTT	7.32				T			.88	.04			.25	.12	.23						.23	.07		.25		1.45	1.00						1.15	.02	.35	
RATCLIFF	4.43					.23	.28				*	.96										.45	2.07	.26								T	.18		
RISON	3.47				.65		.20					.09								.07		.67	1.29												
ROGERS	6.90				.30		.05			.40	.22	.06		.01						.17	2.49	.49	.51	T	.72			.02	.84			1.79	.37	.62	
RUSSELLVILLE	5.41					.12	.66				.39	.51								.23	.03	1.01	.30	T									1.79	.37	.01
SAINT CHARLES	2.49					.06	T					.08	.06							.13	T	.11	1.23	.07	.20								.54	.01	
SAINT FRANCIS	4.93						.45				.52	.27	1.37	.16							.22	.37										1.07		.50	
SALEM	6.96					.52		.96	.22	.20		.82	.96	.22	.20						2.91	.20					.69					.44	.50		
SEARCY	6.47					.01	.51			.10		.20	.66								.44	1.60	.01				.05					2.90	.19		
SHERIDAN TOWER	7.85					.10	.30				.20								.31	.60	.15	.90		.10								4.94	.25		
SHIRLEY	6.72					.82	.42				.56		.90								.63	1.81											.89	.69	
SILOAM SPRINGS	6.72					.06	.18	.60		.18	.50	.21	.26									1.24	1.08	.39		.43						.62	.97		
SPARKMAN 4 E	6.76					1.40														.20	.30	1.12	.30		1.02							1.70		.72	
STAMPS	5.92						1.38	.07				.52							.04			1.34	.56	.04	1.59							.11		.27	
STAR CITY 2 5	3.18					.15	.18													.06		.22	1.54	.16	.87										
STEVE	8.61					3.10				.42			.84									.90	1.05										2.30		
STUTTGART	5.76					.19	.84					.04										.25	3.18	.04	.12								1.10	T	
STUTTGART 9 ESE	3.66						.30	.39		.13		.31		.11					.03		.05	1.19	.07	.09								.91		.10	
SUBIACO	6.11				.02	.36						.38	.06								.40	3.71	.76				.03					.19		.20	
SUGAR GROVE	4.13					.18		.23				.03	.39							.34		.23	1.81	.05								.63		.24	
TAYLOR	6.43						.90	.01				.47								.78		2.05	.07				2.09	.06							
TEXARKANA W8 AP	R// 4.73						.60				.15	.15						.30	.02		.78	.65	.18		.18	.51						1.11		.10	
TURPIKE	6.02					.42	.21				.12	1.12	.99								1.88	.09											.28	.14	.77
WALORON	1.48					.30						.11								T		.77	T									.17		T	
WALNUT GROVE	10.26						1.53				1.50	.86	.88								3.42	.34		T	.12	.20	1.10						.31		.64
WALNUT RIDGE CAA AP	7.75					T	.70	.01			.15	1.65	1.08	.20	.01	T	T				1.62	.52				.08						1.51	.08	.14	
WARREN	6.56					T	.17						.08	T							.22	4.32	.20		1.22	.35							T		
WASHITA	6.70					.50													.20		2.00	.20	.10	.20	.60							2.50		.50	
WHITE ROCK	8.90						.44	.40				.39	.40	.02						.03	.67	3.05	.10	.18								2.04		1.18	
WHITECLIFFS	6.85						1.10					T	.35	.20						T	.90		.49	.46	1.90							.50	.99	T	</

DAILY TEMPERATURES

ARKANSAS
MAY 1955

Table 5

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	
ALUM FORK	MAX	86	87	86	89	91	90	89	88	81	84	78	81	81	83	79	82	80	82	79	72	75	85	85	88	90	87	85	82	82	78	78	
	MIN	58	54	59	59	65	60	59	58	58	64	62	61	57	57	55	55	62	61	63	62	60	58	64	65	62	70	60	65	57	51	54	
ARKADELPHIA	MAX	91	90	88	89	94	84	91	84	86	83	82	83	88	86	81	85	84	82	82	76	76	88	83	87	91	86	86	82	82	79	82	
	MIN	58	55	58	62	65	64	62	62	61	63	64	65	61	60	60	58	65	61	64	64	65	61	67	63	68	72	65	73	55	54	56	
ASHDOWN	MAX	88	90	85	87	90	88	90	87	84	84	81	80	87	87	84	82	82	82	79	77	74	87	78	89	90	84	86	84	82	83		
	MIN	58	59	58	63	62	64	57	61	68	66	65	66	67	67	64	59	64	63	67	61	59	60	61	59	60	61	62	74	66	72	54	51
BALD KNOB	MAX	84	85	87	86	89	83	88	85	83	84	80	81	81	78	73	80	81	84	85	73	77	84	86	85	90	85	85	82	79	77	77	
	MIN	46	50	52	57	66	58	55	00	58	61	66	63	61	62	60	57	61	64	65	64	63	60	63	65	62	72	62	71	53	52	53	
BATESVILLE LIVESTOCK	MAX	85	84	85	87	88	91	76	90	79	83	87	72	81	76	75	74	82	82	84	68	77	77	85	87	86	89	84	87	82	78	80	
	MIN	43	47	50	55	59	52	51	53	50	59	63	60	57	53	57	52	55	55	56	60	56	50	61	62	55	68	61	67	49	47	47	
BATESVILLE L AND O NO 1	MAX	83	86	88	89	89	81	92	87	84	86	77	82	79	75	72	82	83	84	84	81	77	84	86	86	90	85	87	65	78	76	78	
	MIN	43	46	50	56	61	54	54	58	53	56	65	62	61	53	61	53	56	57	58	65	63	58	63	66	58	70	64	67	53	51	50	
BENTON	MAX	86	86	86	86	92	82	89	78	83	85	81	82	85	80	78	82	82	82	81	75	75	85	84	88	90	85	86	80	80	79	78	
	MIN	52	50	53	56	60	57	57	61	57	60	63	63	59	55	54	53	58	60	63	64	60	63	64	60	63	61	61	57	51	49	52	
BENTONVILLE	MAX	87	87	86	88	84	74	87	76	80	73	72	76	73	73	75	78	80	78	76	64	75	82	83	79	80	79	86	78	69	72	81	
	MIN	56	61	55	58	54	60	58	53	62	63	60	49	56	54	49	50	51	57	60	60	61	59	61	56	54	68	60	61	50	45	55	
BLYTHEVILLE	MAX	83	85	89	89	90	91	83	90	78	85	88	78	78	74	72	75	80	83	85	73	79	80	90	83	90	88	86	79	75	71	76	
	MIN	43	47	50	64	65	60	60	60	56	64	67	64	66	61	61	60	63	63	63	64	66	69	67	67	68	65	68	69	51	55	60	
BOONEVILLE	MAX	89	92	90	91	94	81	90	86	86	81	79	82	82	82	81	82	81	84	78	69	79	87	82	85	92	88	91	81	78	80	83	
	MIN	61	62	61	59	64	63	60	60	63	67	64	63	58	55	61	57	61	63	66	60	61	60	65	64	63	68	64	67	52	49	60	
BRINKLEY	MAX	88	89	87	87	93	88	90	87	88	87	88	83	85	80	81	83	85	82	87	76	76	75	87	84	90	87	85	84	84	81	77	
	MIN	46	58	56	60	66	56	55	54	56	56	65	62	62	56	53	59	61	64	65	66	63	61	62	66	67	73	62	73	61	54	55	
CAMOEN 1	MAX	97	89	88	90	90	85	90	86	82	81	78	79	81	80	80	80	83	82	80	67	74	85	83	85	91	88	90	88	78	79	82	
	MIN	61	61	58	58	63	61	52	60	62	66	64	63	60	45	54	58	63	62	64	64	56	56	64	63	63	64	63	67	56	50	59	
CAMP CHAFFEE	MAX	86	88	89	90	93	83	89	84	83	83	78	82	82	81	78	81	83	82	80	69	77	85	83	85	90	85	88	86	77	79	81	
	MIN	56	62	61	60	60	60	59	57	63	65	63	63	60	53	57	65	59	63	64	63	52	62	66	63	62	65	63	62	53	49	58	
CLARKSVILLE	MAX	86	88	88	89	92	88	90	85	83	80	85	83	83	81	75	82	84	83	83	75	77	87	85	89	91	87	87	83	80	80	80	
	MIN	54	55	59	62	66	60	58	62	60	65	66	64	61	55	57	56	62	62	62	65	64	61	67	65	65	73	63	68	55	53	56	
CONWAY	MAX	86	88	88	89	92	88	90	85	83	80	85	83	83	81	75	82	84	83	83	75	77	87	85	89	91	87	87	83	80	80	80	
	MIN	54	55	59	62	66	60	58	62	60	65	66	64	61	55	57	56	62	62	62	65	64	61	67	65	65	73	63	68	55	53	56	
CORNING	MAX	80	85	90	90	90	88	82	90	73	83	86	67	80	72	71	71	80	82	82	84	72	80	81	88	84	86	85	89	80	70	79	
	MIN	50	52	70	63	62	59	57	53	52	62	60	61	63	60	61	58	61	60	59	67	64	65	67	65	61	69	65	68	59	53	53	
CROSSETT 7 S	MAX	86	90	87	88	90	87	89	86	89	87	87	89	88	87	83	86	85	85	84	84	78	88	85	87	90	88	88	87	85	81	87	
	MIN	52	51	54	56	56	63	56	62	62	60	60	69	60	60	63	55	65	62	63	64	60	61	62	65	72	71	73	72	62	50	50	
CUMMINS FARM	MAX	84	87	88	86	90	83	86	86	88	84	85	86	86	81	80	83	82	82	83	74	74	84	83	85	86	85	86	84	79	77	78	
	MIN	52	56	57	60	64	64	60	64	61	63	60	66	66	59	56	57	64	64	66	67	65	62	66	66	71	70	73	68	53	55		
DARDANELLE	MAX	87	90	89	90	94	85	91	88	84	84	80	82	81	80	78	81	83	84	81	74	78	85	85	85	91	87	88	84	76	77	80	
	MIN	58	59	59	65	69	62	60	51	54	68	65	64	62	57	58	57	62	64	66	63	63	63	67	67	65	54	64	68	57	54	60	
DE QUEEN	MAX	88	89	86	88	92	87	92	86	83	83	81	82	90	88	86	82	84	84	77	76	88	90	79	91	92	87	89	85	83	86	84	
	MIN	67	67	60	61	62	64	64	61	63	65	66	62	58	60	61	59	64	61	67	61	60	67	61	60	67	63	64	70	52	49	49	
DES ARC	MAX	82	85	87	89	88	91	90	87	85	85	84	84	84	82	79	75	83	84	84	85	75	78	84	88	85	90	86	86	79	79	78	
	MIN	49	53	54	62	67	60	57	60	56	60	66	64	62	56	57	57	61	61	62	62	63	61	66	65	64	68	62	66	56	53	57	
DEVILS KNOB	MAX	82	81	82	86	89	77	84	78	74	74	74	74	75	75	71	75	71	76	74	67	70	72	78	80	82	75	80	75	70	74	72	
	MIN	58	62	62	63	66	55	60	51	58	59	61	60	53	53	54	54	57	58	59	59	58	57	59	60	64	57	60	61	53	48	54	
DUMAS 1	MAX	86	89	92	89	93	83	91	81	92	90	90	82	87	82	78	82	84	87	87	81	75	84	88	88	91	87	88	89	82	78	82	
	MIN	52	54	58	61	64	64	59	65	60	62	64	67	62	60	56	57	65	64	63	67	62	63	62	62	72	72	74	72	58	53	52	
EL DORADO CAA AP	MAX	89	90	89	86	90	86	90	87	85	85	84	84	87	86	82	85	81	84	82	80	76	86	82	88	92	90	88	85	83	80	84	
	MIN	57	55	57	60	60	63	58	65	63	64	65	65	58	63	64	58	65	62	65	65	61	60	64	64	72	73	74	70	57	51	57	
EUREKA SPRINGS	MAX	87	87	86	89	84	77	87	81	80	76	71	77	68	72	73	75	79	78	74	72	73	82	81	79	82	78	82	69	76	78		
	MIN	62	64	60	65	59	59	60	53	62	62	62	61	57	57	62	51	55	60	61	59	62	59	65	56	55	60	62	63	53	47	57	
FAYETTEVILLE</																																	

DAILY TEMPERATURES

ARKANSAS
MAY 1955

Table 5 - 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		
STUTT GART 9 ESE	MAX	83	84	86	89	87	90	80	88	77	84	86	85	82	85	81	75	82	84	84	85	74	75	84	86	86	90	84	84	81	79	77	83.1
	MIN	51	53	59	62	64	62	58	62	58	62	62	61	63	59	59	59	63	64	63	67	63	63	68	66	69	73	65	72	57	54	55	61.8
SUBLIACO	MAX	90	92	91	93	94	90	83	85	82	80	81	82	82	82	83	83	85	81	67	78	81	81	85	91	84	79	90	78	79	82	83.8	
	MIN	60	62	65	64	63	58	59	63	68	64	62	62	55	57	57	61	63	63	59	63	63	66	63	64	66	62	51	53	53	60	61.0	
FAYARKANA W8 AP	MAX	87	89	85	85	88	85	89	85	85	83	81	83	88	88	82	82	83	85	75	77	77	87	75	89	90	86	86	78	80	82	83	83.8
	MIN	61	64	64	64	66	68	63	62	67	67	66	66	61	63	66	60	65	63	68	62	62	64	68	64	73	65	73	64	57	56	61	64.3
TURNPIKE	MAX	83	81	82	85	86	72	75	77	75	77	75	72	73	72	69	76	74	73	75	65	72	75	76	79	82	74	80	74	68	72	72	75.5
	MIN	58	59	63	64	67	56	63	52	59	64	61	59	54	52	56	54	56	57	60	58	58	59	66	63	67	61	61	62	52	49	55	58.9
WALORON	MAX	88	89	88	92	92	90	88	88	85	82	80	80	85	80	82	81	80	83	77	70	77	87	86	88	93	86	89	85	80	81	83	84.4
	MIN	56	57	59	58	62	60	56	59	61	64	64	61	56	55	52	54	62	56	61	61	60	58	63	62	60	66	66	66	47	54	59.0	
WALNUT RIDGE CAA AP	MAX	83	85	87	87	87	78	89	75	82	83	69	80	72	70	70	80	82	82	83	70	77	82	86	85	86	80	72	74	76	80.1		
	MIN	49	52	59	62	62	59	57	58	54	66	63	64	62	62	60	58	62	62	61	64	63	62	67	66	62	65	65	63	56	53	55	60.4
WARREN	MAX	84	88	88	87	93	87	88	83	89	87	89	89	89	87	82	84	85	87	83	74	84	87	86	89	92	83	87	87	82	78	84	85.9
	MIN	53	54	56	55	64	65	64	64	65	65	64	65	60	62	60	57	63	65	64	63	66	65	60	62	71	71	72	72	58	52	56	62.4
WHITE ROCK	MAX	81	84	83	84	83	83	84	78	74	72	80	75	74	75	71	74	72	74	70	71	69	79	75	79	81		73	69	73	73	76.3	
	MIN	60	62	62	63	67	66	61	53	60	64	70	54	56	52	54	55	59	63	62	60	57	62	66	58	64		57	54	50	56	59.6	
WILSON	MAX	85	89	89	91	94	83	85	78	85	85	78	78	74	74	75	80	84	85	86	73	79	80	81	83	90	88	86	85	79	71	76	82.2
	MIN	55	59	60	65	60	57	60	60	56	64	67	64	66	61	61	59	64	64	63	69	64	66	69	68	67	67	68	67	55	63.0		
WYNNE	MAX	84	87	87	87	90	79	89	79	85	84	82	82	77	79	73	82	83	85	85	74	77	82	87	85	91	85	85	79	77	74	76	82.3
	MIN	48	47	66	63	65	57	59	60	57	65	64	64	63	54	60	57	60	61	64	62	62	63	68	66	64	70	59	73	54	52	52	60.6

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total Evap 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	
BLAKELY MOUNTAIN DAM	EVAP	-	-	.27	.29	.26	.33	*	*	.75	.20	.19	.07	.25	*	*	.77	.18	.17	.18	.12	.20	*	.30	.09	.19	.33	-	*	*	*	10.8
	WIND	-	-	.46	.82	.60	.44	*	*	.160	.52	.46	.38	.81	*	*	.152	.37	.46	.58	.150	.9	*	.13	.68	.37	.150	.92	*	*	*	291
HOPE	EVAP	*	.37	.36	.22	.15	*	.19	.28	.34	.13	.09	.39	.32	.22	*	.38	.26	.15	.19	-	.33	-	-	.16	.25	-	.06	*	.42	.23	
	WIND	*	.37	.23	.8	.11	.10	.18	.30	.28	.9	.12	.12	.23	.30	*	.48	.16	.27	.47	.23	.12	*	.21	.12	.8	.39	.15	.37	*	.66	.22
MOUNTAIN HOME C OF ENG	EVAP	.24	.29	.25	.30	.26	.20	.09	.28	.24	.15	.16	.07	.14	.13	.10	.10	.19	.24	.28	.29	.08	.11	.19	.22	.24	.27	.16	.32	.19	.20	
	WIND	.20	.22	.37	.34	.21	.8	.28	.38	.26	.29	.27	.39	.26	.38	.28	.21	.18	.33	.34	.44	.63	.17	.30	.39	.23	.40	.54	.89	.48	.60	
NARROWS OAM	EVAP	.27	.27	.26	.27	.22	.22	.26	.24	.25	.16	.16	.13	.26	.25	.22	.25	.14	.15	.15	-	.08	.20	.06	.20	.23	-	-	-	-	-	
	WIND	.21	.21	.30	.36	.23	.24	.21	.35	.32	.25	.25	.25	.36	.32	.24	.25	.24	.22	.32	.35	.23	.23	.21	.33	.18	.59	.75	.70	.13	.56	
NIMROD OAM	EVAP	.29	.26	.31	.33	.21	.23	.15	.36	.22	.16	.22	.10	.26	.29	.23	.15	.19	.13	.26	.14	-	.15	.19	.10	.21	.26	-	-	-	-	
	WIND	.17	.18	.33	.47	.30	.26	.19	.31	.19	.25	.79	.12	.4	.70	.16	.9	.12	.19	.17	.24	.5	.22	.43	.33	.35	.53	.59	.74	.177	.49	
RUSSELLVILLE	EVAP	.24	.26	.28	.15	.29	.20	.19	.24	.18	.10	.15	.21	.20	.24	.13	.19	.16	.13	.14	.06	.06	.19	.13	.22	.20	.20	.27	.21	.23	.23	
	WIND	.11	.10	.21	.6	.8	.22	.7	.22	.16	.7	.15	.12	.31	.15	.8	.12	.14	.30	.22	.6	.10	.10	.10	.20	.16	.31	.15	.27	.50	.9	
STUTT GART 9 ESE	EVAP	.22	-	-	.24	.24	.18	.24	.24	.16	.11	.18	.12	.19	.23	.16	.10	.13	.28	.05	*	*	.16	.20	.10	.16	.15	.37	.12	.12	.26	
	WIND	.41	.8	.13	.33	.37	.16	.19	.35	.35	.16	.33	.45	.44	.64	.11	.20	.14	.27	.25	.41	.14	.35	.35	.42	.36	.31	.67	.66	.93	.74	

STATION INDEX

ARKANSAS MAY 1955

Main table listing station data including Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Observation time, Observer, Refer to tables, Station, Index No., County, Drainage, Latitude, Longitude, Elevation, Observation time, Observer, Refer to tables.

NEW STATIONS

DRAINAGE CODE: 1. ARKANSAS 2. MISSISSIPPI 3. DUACHITA 4. RED 5. SAINT FRANCIS 6. SALINE 7. WHITE

Continuation of Sugar Loaf Mountain record.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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.

Station names appearing in tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

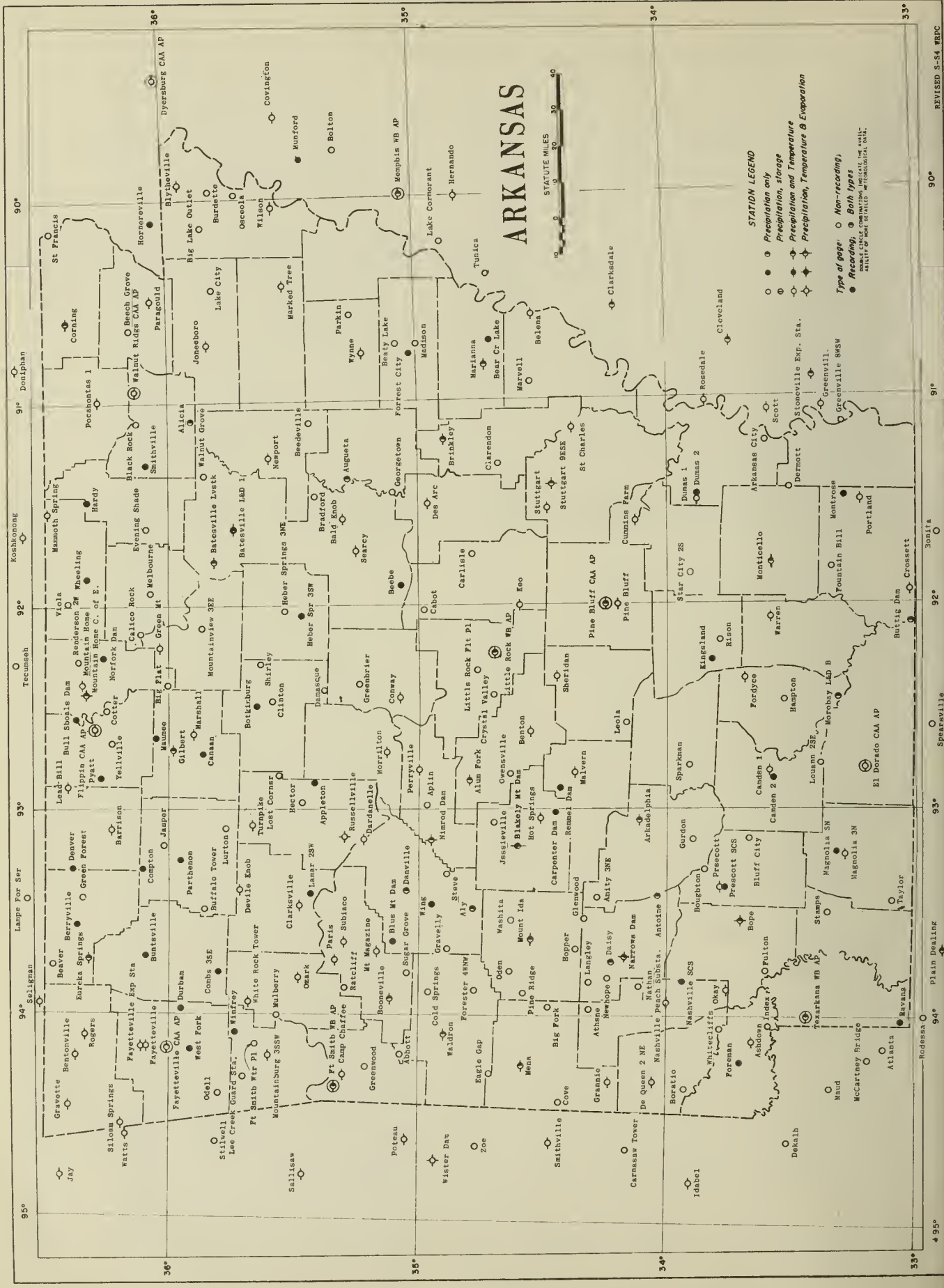
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations where the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

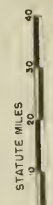
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 7-13-55 -- 1005



ARKANSAS



- STATION LEGEND**
- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - Precipitation, Temperature & Evaporation
- Type of gage:** ○ Non-recording,
● Recording, ○ Both types
- ACTIVITY OF WEATHER STATIONS - METEOROLOGICAL DATA

~~AT-11~~

551.05
UNAR
~~Copy 1~~
V.606

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C. OFFICIAL BUSINESS
Permit No. 1029

Penalty for private
use to avoid pay-
ment of postage
\$300.

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

JUNE 1955

Volume LX No. 6



THE LIBRARY OF THE

SEP 3 1955

UNIVERSITY OF ILLINOIS

ASHEVILLE: 1955

ARKANSAS - JUNE 1955

WEATHER SUMMARY

June 1955 was the coolest June since 1912. Temperatures averaged 73.1°, the same as in 1912. Only June 1903, with an average temperature of 70.5°, was cooler. June 1955 averaged 10.3° colder than June 1953, the warmest of record. June of 1952 and of 1954 were also warm, ranking 4th and 10th among the previous Junes of record. Rainfall during 1955 averaged 3.65 inches or 91% of normal. In general, the month was favorable for crops although it was a little cool for cotton.

Temperatures averaged slightly above normal during the first few days. A cool period lasted from the 5th to the 20th. The last few days averaged only slightly cooler than normal. Most stations registered their lowest temperatures on the 7th, 8th, or during the period, 10th to 12th. In general monthly minimum temperatures ranged from the middle and upper 40's over the north and west to the low 50's over the south and east. The coldest temperature registered during the month was 44° at Gilbert on the 8th. El Dorado and Portland had the highest minimums, 55°. Almost all stations registered their highest temperatures during the last ten days of the month. Monthly maximums ranged from 84° at Turnpike and Mt. Magazine on the 21st to 99° at Camden on the 22d and 23d. Monthly mean temperatures ranged from 67.0° at Mt. Magazine to 77.0° at Camden. Monthly mean temperatures for all stations were below normal. Monthly mean temperatures were 4° to 5° below normal at most northern stations and at many stations in the extreme south, and were 3° to 4° below normal for most other stations.

Showers were frequent from the 5th to 11th, 14th to 16th, and 20th to 30th. Substantial amounts fell on several days. For instance, 24-hour amounts of 2.00 inches or more were recorded on the 5th, 6th, 14th, 15th, 20th, 26th, 27th, and 28th. Amounts exceeding 3.00 inches were recorded on the 14th, 15th, and 27th. The greatest 24-hour amount was 3.47 inches recorded at Lee Creek on the morning of the 15th. Monthly totals ranged from 0.28 inch at Ashdown and at Louann to 10.50 inches at Gilbert. In general, most counties in the extreme northeast and most counties south of a line from Ft. Smith Water Plant to St. Charles received less than 3.00 inches and most stations elsewhere received more than 3.00 inches. Monthly totals exceeding 6.00 inches were common over many northwestern counties with several stations receiving more than 7.00 inches and a few stations receiving 8.00 inches or more of rain during June. Small amounts of hail fell at a number of stations.

Frequent and moderate to heavy showers delayed field operations at time during June and some fields were weedy during the first part of the month. Field work made good progress, however, during the fair-weather periods and by the end of June most fields were in a very good state of cultivation. Some cotton fields were infested with insect pests--boll weevils, boll worms, trips, and flea hoppers. Control measures were being applied to a few fields. At the end of June, most early corn was in the tasseling to roasting ear stage, sorghums and hay were doing well, winter oat harvest was complete in the south and well along in the north, rice and soybeans were making good progress, and pastures continued to furnish abundant grazing. Warm weather and adequate moisture promoted excellent growth of crops in most counties. Although the south and west central parts of Arkansas were not suffering, more rains would be helpful to crops and pastures in those areas.

STORMS

The following are among the more damaging storms that occurred during June: Early on the afternoon of the 10th, a hailstorm caused \$15,000 crop damage in Pope and Conway Counties, and \$20,000 damage in Cleburne County. At about 4:15 p.m. on the same day, a tornado caused \$250 property damage three miles northeast of Marked Tree, Poinsett County. On the afternoon of the 21st, lightning struck and destroyed a house at Coal Hill. The loss was estimated at \$5,000. Hail damaged corn, oats, beans, and tomatoes in the North White Oak area. The damage to crops was estimated at \$100,000. On the afternoon of the 23d, lightning destroyed two barns in Benton County causing an \$8,000 loss. About 1:00 p.m., on the 23d, a storm, which may have been a tornado, unroofed a barn near Verner and exposed 1,000 bushels of oats to rain damage. The loss was estimated at \$2,000. On the afternoon of the 27th, wind damaged crops in Clark County to the extent of \$1,000 and lightning destroyed a storage building at the Arkadelphia Airport causing a \$7,000 property loss. Also on the afternoon of the 27th, lightning injured a person near Conway and killed fourteen head of cattle near Cabot. The property loss was estimated at \$1,400.

The following table briefly summarizes the storm losses for the month:

Hail	\$135,000
Wind	1,000
Tornado	250
Possible tornado	2,000
Lightning	25,900 (and one person injured)

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
JUNE 1955

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	2:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
FORT SMITH WB AIRPORT	E	21	8.1	26	SW	27	85	92	60	62	3	6	3	0	1	0	13	61	5.9
LITTLE ROCK WB AIRPORT	ENE	10	8.4	30	W	10	79	82	53	57	2	5	2	2	1	0	12	60	5.9
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	1	3	1	1	0	0	5	-	-

COMPARATIVE DATA

JUNE

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall			Average	Highest	Lowest	Average	Average snowfall			Average	Highest	Lowest	Average	Average snowfall	
1891	77.9	103	56	3.71	.0		1916	75.4	99	43	5.15	.0		1941	76.2	103	47	4.01	.0	
1892	76.9	103	40	3.87	.0		1917	75.2	105	37	4.87	.0		1942	77.2	104	45	4.54	.0	
1893	76.3	99	49	5.20	.0		1918	80.5	110	49	3.55	.0		1943	79.8	102	47	2.86	.0	
1894	76.6	106	42	1.39	.0		1919	76.9	101	45	5.11	.0		1944	79.2	102	48	3.04	.0	
1895	76.9	100	47	5.94	.0		1920	74.7	101	42	3.41	.0		1945	75.2	98	43	9.26	.0	
1896	77.7	103	48	1.91	.0		1921	78.5	103	46	4.84	.0		1946	75.6	99	41	2.12	.0	
1897	78.0	106	41	3.46	.0		1922	78.6	104	44	2.64	.0		1947	76.7	101	44	3.88	.0	
1898	78.7	100	60	4.86	.0		1923	76.7	99	46	5.20	.0		1948	77.8	102	45	4.91	.0	
1899	77.3	102	50	2.74	.0		1924	78.5	105	42	3.64	.0		1949	77.9	101	52	5.17	T	
1900	76.6	100	43	7.10	.0		1925	82.3	108	46	2.08	.0		1950	76.1	102	44	3.52	.0	
1901	79.4	110	41	1.44	.0		1926	76.6	104	42	2.60	.0		1951	75.9	103	49	6.93	T	
1902	77.5	105	42	5.27	.0		1927	76.3	104	43	6.50	.0		1952	82.1	109	49	0.49	T	
1903	70.5	99	37	2.53	.0		1928	73.5	100	40	2.44	.0		1953	83.4	108	51	0.63	T	
1904	75.3	99	50	7.14	.0		1929	76.2	102	41	3.68	.0		1954	79.6	107	40	1.28	T	
1905	77.9	104	44	5.90	.0		1930	76.4	107	39	0.87	.0		1955	73.1	99	44	3.65	T	
1906	76.2	101	44	4.60	.0		1931	78.3	107	35	2.60	.0		ALL YEARS	77.3			3.99	T	
1907	75.2	103	39	4.48	.0		1932	78.9	103	50	4.86	.0								
1908	76.0	98	46	3.85	.0		1933	78.4	107	40	1.30	.0								
1909	76.9	104	49	4.08	.0		1934	81.1	108	49	2.88	.0								
1910	74.1	99	44	4.85	.0		1935	74.3	98	36	8.39	.0								
1911	80.9	106	47	2.53	.0		1936	80.0	113	44	1.26	.0								
1912	73.1	97	42	3.83	.0		1937	78.8	106	45	4.95	.0								
1913	77.0	103	39	1.68	.0		1938	75.8	101	48	4.34	.0								
1914	82.3	109	52	1.00	.0		1939	77.9	100	49	4.50	.0								
1915	76.0	106	45	4.92	.0		1940	75.2	98	45	4.35	.0								

BEGINNING WITH 1955, AVERAGES HAVE BEEN WEIGHTED ACCORDING TO AREA AND ARE NOT COMPARABLE WITH UNWEIGHTED VALUES PUBLISHED IN THIS TABLE FOR EARLIER YEARS.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature												Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										90° or Above	80° or Above	70° or Above	60° or Above					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
HIGHLAND DIVISION																							
ALUM FORK	85.0	60.7	72.9	- 3.4	92	22	49	10	5	7	0	0	0	2.68	- 2.01	1.15	15	0.0	0	6	2	1	
ASHOOWN	89.1	62.9	76.0		95	23	51	11	2	17	0	0	0	0.28		0.21	5	0.0	0	1	0	0	
BENTON	84.8	59.4	72.1	- 4.3	92	21	49	11	6	5	0	0	0	4.23		1.39	28	0.0	0	6	3	2	
BENTONVILLE	81.0	57.9	69.5	- 4.6	91	21	47	11	23	1	0	0	0	7.27	2.07	1.15	28	0.0	0	11	5	3	
BOONEVILLE	86.4	62.5	74.5		94	21	49	10	9	13	0	0	0	4.83		2.95	15	0.0	0	5	7	1	
CAMP CHAFFEE	85.8	62.6	74.2		95	25	50	11	6	9	0	0	0	2.89		1.91	15	0.0	0	6	1	1	
CLARKSVILLE	85.3	61.7	73.5		94	21	50	10	6	9	0	0	0	2.21		0.90	27	0.0	0	6	1	0	
CONWAY	85.7	61.6	73.7	- 4.7	94	21	51	11	2	2	0	0	0	1.90	- 2.08	0.89	15	0.0	0	5	3	0	
OAROANELLE	84.8	62.5	73.7	- 4.8	92	21	48	10	4	6	0	0	0	4.01	0.12	2.26	15	0.0	0	5	3	1	
OE QUEEN	88.4	62.0	75.2	- 2.8	96	26	48	11	2	1	0	0	0	1.84	- 2.17	1.20	6	0.0	0	2	2	1	

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
JUNE 1955

TABLE 2 - CONTINUED

Table with columns for Station, Temperature (Average, Departure, Highest, Lowest, Degree Days, etc.), and Precipitation (Total, Snow, Sleet, Hail, etc.). Rows include various locations like Devils Knob, Fayetteville, and Delta Division.

DAILY PRECIPITATION

RKANS -
JUNE 1955

Table 3

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	
ABBOTT	2.50							T	T		.30				.96	.20						.40									.64		
ALICIA	2.37					.41	.37	T	T		.30	.27	.05		.48	.21						T								.55	.03		
ALUM FORK	2.68					.10								T	.115							.25	.13							.80			
ALY	2.71					.30	T	.17	.07						.80							.11	.45		.09					.50			
AMITY 3 NE	3.32				1.12	1.07				.02					.65															.34			
ANTOINE	2.39				.62	.07									.85							.20								.65			
APLIN 1 W	2.71				.17				T	T					.30	1.41														.83			
ARCADEPHIA	2.71		T		.08	.17				.06					.32							.05							2.20				
ARKANSAS CITY	1.47				.67		T			.48					.05														.10	T		.05	
ASHMOON	.28				.21					.03					.04																		
ATHENS	1.81				.25	.91				.02					.31							T		.30					.02				
AUGUSTA	5.92				.22	.18	.39			.27	.04	.27			2.82	.59						.12	.11	.18				.71	1.17		.01		
BALD KNOB	5.64				.89	.07	.40		T		.27	.05	.05		2.07	.55						.21	.18										
BATESVILLE LIVESTOCK	5.62				T		.76			.07	.05	.03			1.70	.72						.28											
BATESVILLE L AND O NO 1	5.60				.57	.37				.07	.05	.03			1.40	.72						.25	.04										
BEATY LAKE	7.23		.07	T	.40	.30	.10		.10	.15	T	.29	.17	T	2.37	.61						.39				T	2.40	T	2.40	T	.41		
BEAVER	1.55				1.09	.38		.02	.11	.29	.17			.09	1.84	.58						.09	.03			.12	1.11	1.20	.08				
BEECH GROVE	1.55				.15	.66			.41				.08		.12							.13				T							
BEEDEVILLE	5.79				.37	.78			.06						.28	2.20						.03						1.78			.29		
BENTON	4.23				.30	.17	.03		.02	T					1.38		.54					.40							1.39				
BENTONVILLE	7.27				.28	.51	.06	.08	.56	.25	.07	.24	1.01		1.35							.02	.95	.04	.20	.96	1.15	.89					
BIG FORK	2.45				.52			.13							.15	T																	
BIG LAKE MOUNT	2.22				.35	.07	.42	.03	.52	.05	.03		T	.15	T																		
BLACK ROCK	3.05				.13	1.02		.42	.35		.64	.05		.10	.35		.54											.02	.32	T		.15	
BLAKELY MOUNTAIN DAM	1.44				.60										.35		.54																
BLUFF CITY	.95				.20	.12							T		.24																	.39	
BLYTHEVILLE	2.88				1.10		.02		.16	.30	.12			.15											.70	.22		.13					
BOONEVILLE	4.83				T	.19		.06	.10	.05				2.95	.56							.87					.02		.03				
BOUGHTON	1.36				.26																												
BRAOFCO	5.96				.02	.41	.28		.14	.14				2.23	.66							.25	.50	.10				1.23					
BRINKLEY	4.81				.35	1.10	.21		.10	.20				1.40	.35																	1.10	
BUFFALO TOWER	6.06				1.35	.15	.52	T	.37	.11				1.15	1.20																	1.30	
BURDETTE	2.54				.83	.56			.32	.15					.19																		
CABOT 4 SW	2.94				.57		.10	T	.35					.22	.47																		
CALICO ROCK	7.77				1.00	.40			T	.32	.08			1.56	.48							2.00	.03	.25	.03			.19	1.38	.05			
CAMDEN 1	1.94				.74				.12	.08	.14	.03	.01	1.91	.20																		1.20
CAMP CHAFFEE	2.89				.03				.08	.14	.03	.01	1.91	.20								.17											1.20
CARLISLE 1 SW	2.15				.38										.45																		.86
CLARENDON	4.22				.02	1.36	.80		.06					1.30																			.10
CLARKSVILLE	2.21			T	.08	.15	.14		.16	.10				.04	.01	.48																	
CLINTON	4.78				.65	.43	.35		.85																								
COLD SPRINGS	2.19				.10	.37			.04	.07				.60		.34																	
CONWAY	1.90				.07	.14	.06	.21	.07				T	T	.89							T											
COORNING	1.57				.41					.50	.11																						
COTTER																																	
COVE	1.50					.75																											
CROSSETT 7 S	2.23				.21	.66			.55																								
CRYSTAL VALLEY	3.34				*	1.06									1.82																		
CUMMINS FARM	1.11				.19										.08																		
DAISY	4.53				.20	1.34			.01					.95																			
DAMASCUS	5.57				.03	.65	.40		.02	.08	T			.91	1.04	.03						.21	.04	.02									
DANVILLE	1.89				T	.10			.08	T				T	.25	.66																	
DARDANELLE	4.01				.35	.15	.02	.06	.06		.02			2.26	.54																		
DE QUEEN	1.84				1.20										.64																		
DERMOTT	2.01				.55				.42																.70	.34							
DES ARC	3.68				.70	.28	T	.09	.03					.70	.87	T																	
DEVILS KNOB	4.94				.02	.97	.12	.11	.06	.11				.11	2.08	.04																	
DUMAS 1	3.75				.37	.95			.18					.47																			
EAGLE GAP	-																																
EL ODRAOO CAA AP	2.26				T	.99	T		.15	.16				.14																			
EUREKA SPRINGS	7.80				.34	.61	.06	T	.42	.12				.20	3.34																		
EVENING SHADE	4.36				*	.79	.65	T	.20	1.38				.64	.34																		
FAYETTEVILLE	5.25				T	1.43	.01	.01	T	.20	.21			.15	.18	.71																	
FAYETTEVILLE CAA AP	6.34				T	2.25	.03	.04	T	.29	.21			.18	.64	1.20																	
FAYETTEVILLE EXP STA	6.25				T	1.02	.24	.34	.02	T	.19	.24	.07	.17	.26	1.52																	
FLIPPIN CAA AP	7.89				1.15	.47			.18	.14				.22	1.27																		
FORDYCE 6 W	1.71				.01	.83		.06	.06					.14																			
FORESTER 4 WNW	3.09				1.00			.14	.06	.03				T	T	1.15	1.40																
FORT SMITH WB AP	2.15				.06	.04	.21	.06	.06	.03				T	T	1.15	1.40																
FT SMITH WATER PLANT	2.08				T	.03	.08		.04	.23				.06	T	*	.8																

DAILY PRECIPITATION

ARKANSAS
JUNE 1955

Table 3--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				
MARSHALL	7.81				1.78	.40		T			.09	T		.08	1.95	.95					.94		.14		.08		1.09	.31								
MARVELL	3.02				.14		.48	T			.23	T			.98	.57													.57				.05			
MELBOURNE	-	-	-	-																																
MENA	1.79				.37					.03	.06					.51								.10	.56											
MONTICELLO 3 S	2.58				.97						.14					.31												.35				.81				
MOROBAY L ANO O NO B	2.23				.94						.20					.02					.08			.57				.01			.41					
MORRILTON	4.35				.59	.40		T			.07	.03			2.28	.25							.24	T			.06	.27			.79					
MOUNT IDA	3.02				.62						.07					.33							.02	1.19												
MOUNT MAGAZINE	2.48				.30			.06	.18		.05				1.45	.33												.44								
MOUNTAIN HOME	7.29				.03	1.33					.50	.14		.07	1.17					.05	.08	.98		.09		.05	2.60	.20								
MOUNTAIN HOME C OF ENG	8.41				1.27	.26						.45	.15		.95	.36					.13		1.64	.09	T	1.00	1.93	.18								
MOUNTAIN VIEW 1 W	9.95				1.56	.80								2.45	.76							.45	.07			.58	3.28									
MULBERRY	2.20				.09			T		T	.33	T			.68	.20								.42	.30			.90			.30					
NARROWS DAM	3.31				.18	1.21										.90					.01											T				
NASHVILLE PEACH SUBSTA	3.53				.10	.20	T	T			.01					.17																				
NATHAN	3.23				1.86					T						.40							.21		.19	.17			.40							
NEWHOPE	3.72				1.37											1.00						.50						.85								
NEWPORT	5.93				.03	.71	.07				.04	.65	.06		1.80	.96					T	.17			.47		.95									
NIMROD DAM	2.38				.03	.71	.07				.04	.65	.06		1.80	.96					T	.17			.47		.95									
NIMROD DAM	2.38				.03	.71	.07				.04	.65	.06		1.80	.96					T	.17			.47		.95									
OCELL	8.25				.68	2.81					.22	.05	.05		.06	3.40						.02		.13		.32										
OEEN	2.12				.83					.07	.04					.02	.68																.21			
OKAY	.79			T	.33	.04					T					.42																				
OSCEOLA	1.87				.50		.26				.13	.09	.05			.19								.38	.23			.04					.03			
OWENSVILLE	3.15				.35	.45	.02	T			.01	T			1.29							T		.10	T											
OZARK	2.50				.20						.19	.18	.01		.03	.51	.33						.51	.10	T		.03	T								
PARAGOULD	2.01				.20	.01	.01	T			.09	.09	.15	T	.13	.07						.08		.84		.12	.15					T	.07			
PARIS	3.45				.20		.11	.04	.27		.16			.03	.02	1.81						.10			T		.81									
PARKIN	4.32				.16	.11					.12	.34			2.00	.41																				
PERRYVILLE	3.06			T	.15	.02	.01	.08			.01			T	1.97								T		.13	T		.69					.64			
PINE BLUFF	4.10				.13	.17					.06				1.78	.29									1.49											
PINE BLUFF CAA AP	2.93				.18	.11			.05	.02			T		2.14						T			.36												
PINE RIOGE	2.99				.65			.09							.03	.80						.06			.15											
POCAHONTAS 1	4.03				.17	2.35	.58					.54			.01	.12											.11	.15								
PORTLAND	3.10				.23	.50	.10		.05	.90							.20																			
PRESCOTT	1.54				.23	.70																														
RATCLIFF	3.67				T	.21		T	T		.11			.09	1.14	.50							1.18	T												
RISON	1.40				.02		.37				.07					.80																				
ROGERS	7.54				.11	.49	.62	.09			.44	.16	T		.34	.54	.11							.09	T		.29	.95	1.27							
RUSSELLVILLE	4.77				T	.51	.18		.07					T	2.95								.08	T	.06											
SAINT CHARLES	2.68				.05	.07	.13				.26				.41	.03																				
SAINT FRANCIS	2.85				.45	.50						.41	.24																							
SALEM	2.12				.80	.05									.30																					
SEARCY	3.50				.54	.31	.11			.03	.06				.89	.84							.12													
SHERIDAN TOWER	3.28				.06	.09	.25	.45			.10				2.20	.35																				
SHIRLEY	3.91						.25	.45			.10				.64	.76							.28	T												
SILOAM SPRINGS	4.56	T			.13	1.06	.09		.23	.04	.47	.09	.14	.13	.77	T						.03		.40		.03	T	.27								
SPARKMAN 4 E	1.59					.49																														
STAMPS	2.19				T	.80																	.60													
STAR CITY 2 S	3.16				.70	.40																														
STEVE	2.55											.09					1.97																			
STUTTGART	1.39					.41																														
STUTTGART 9 ESE	2.39					.05	T				.10					.27	.03																			
SUBIACO	3.45					.15	.01				.10				.80	.91						.15		.23												
SUGAR GROVE	2.81					.27						.10																								
TAYLOR	3.30				.66	1.00					.05						1.82	.30					.02													
TEXARKANA WB AP	1.49	R//			.48				.02						.90								.08	T												
TURNPIKE	2.42					.05	.12	.06	.08		.15				.12	.61	.25						.23													
WALDRON	1.87				.06	.15					T	T			.80																					
WALNUT GROVE	3.74				.66	.20	.14		.04		.10	T		T	1.70								.22													
WALNUT GROVE CAA AP	2.36				1.12	.19					.28	.05		.01	.24								.01		.11		.01	.34								
WARREN	1.76				.20	.78		.02							.10																					
WASHITA	2.40					.30						.20				1.20																				
WHITE ROCK	2.85				.05	.29	.08		.08	.11	.30			.17	.42	.15						.14				.20		.11	T							
WHITECLIFFS	.61					.36										.25																				
WILSON	2.20					.72	.10					.63																								
WYNNE	5.48				.14	.23			.08	.13					2.89								.15													
YELLVILLE	8.40				1.42		.35							.40	1.31	.60							.53	.09	1.50		1.80									

MONTHLY AND SEASONAL SNOWFALL

Season of 1954-1955

ARKANSAS
JUNE 1955

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
ABBOTT							1.0						1.0	
ALICIA				T			T	.2					T	
ALUM FORK						T		T	T	T	T		T	
ALY							T	T	T	T			T	
AMITY 3 NE														0
ANTOINE														1.0
APLIN						T	T			T	T		T	
ARCADELPHIA							T	T					T	
ARKANSAS CITY														0
ASHDOWN									T	T			T	
ATHENS						T	T	T	T	T			T	.1
AUGUSTA						T	T	.1					T	.5
BALD KNOB								.5						6.5
BATESVILLE LIVESTOCK						.5	6.0	T	T			T	T	
BATESVILLE L AND D NO 1						T		T	T				T	
BEATY LAKE							T	T	T	T			T	
BEAVER							4.0	T	T	T			T	6.9
BEECH GROVE							6.1	.8	T				T	.8
BEEDEVILLE							T	T	T				T	
BENTON							T	T	T				T	
BENTONVILLE				T		2.5	2.0							
BIG FLAT														0
BIG FURK														
BIG LAKE OUTLET						T		T	T			T	T	4.0
BLACK ROCK														.5
BLAKELY MOUNTAIN DAM						.5								1.0
BLUFF CITY							2.0	1.0						2.0
BLYTHEVILLE							1.5		T					1.5
BOONEVILLE														0
BOUGHTON														.5
BRAOFRD							T	.5						T
BRINKLEY								T	T					
BUFFALO TOWER														
BURGETTE							T	.5	T					
CABOT 4 SW														
CALICO RUCK			T							T		T		
CAMDEN 1						T								T
CAMP CHAFFEE						.8	2.5				T	T		3.3
CARLISLE 1 SW							T	T						T
CLARENOON							T							T
CLARKSVILLE	T						1.5				T			1.5
CLINTON														0
COLD SPRINGS							T	1.0	T					1.0
CUNWAY							4.0	.5						4.5
CORNING									T					
COTTER							T		T					0
COVE														0
CROSSETT 7 S														0
CRYSTAL VALLEY														
CUMMINS FARM														0
DAISY							.2				T			.2
DAMASCUS							T	1.5						1.5
DANVILLE														0
DAROANELLE														
DE QUEEN														
DERMOTT							T							T
DES ARC								9.0		T				T
DEVILS KNOB							T					T		T
DUMAS 1							T	3.0						T
EAGLE GAP														
EL OORAOO CAA AP									T	2.0				T
EUREKA SPRINGS														5.5
EVENING SHADE							3.8	9.5	.1	1.3	T		T	14.7
FAYETTEVILLE		T					1.0	7.0	T	1.2		T		9.2
FAYETTEVILLE CAA AP														
FAYETTEVILLE EXP STA				T			3.0	6.3	T	.7	T	T	T	10.0
FLIPPIN CAA AP							T	11.0	T	.5	T		T	11.5
FORDYCE 6 W														0
FORESTER 4 WNW														0
FORT SMITH WB AP					T		T	5.5		T	T	T		5.5
FT SMITH WATER PLANT									T	T				
FOUNTAIN HILL														
FULTON							T	T	T					T
GEORGETOWN							T	7.0	T	T				7.0
GILBERT														
GLENWOOD											T	T		T
GRANNIS								.1						.1
GRAVELLY							8.5	6.0	T	.5				
GRAVETTE														
GREEN FOREST														
GREEN MOUNTAIN								9.1		T				
GREENBRIER								1.0						
GREENWOOD							T	3.0						3.0
GURDON							T		T					T
HAMPTON														0
HARRISON							3.0	13.0		2.0				18.0
HEBER SPRINGS 3 NE							.3	.8	T	T	T			1.1
HECTUR														
HELENA								.4	T		T			.4
HENDERSON 2 W								7.5		T				
HOPE 3 NE														
HOPPER							T	T	T					T
HORATIO														T
HOT SPRINGS 1 NNE														0
HUTTIG OAM							T							T

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1954-1955

ARKANSAS
JUNE 1955

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Long-term means July-June
INOEX						.5	8.0	T	T				0	
JASPER							1.0						8.5	
JESSIEVILLE						T		.5	T				1.5	
JONESBORO								T			T		T	
KEO							2.5	T		T			2.5	
LAKE CITY													T	
LANGLEY				T		T							T	
LEAO HILL						1.0	8.5						9.5	
LEE CREEK						-	T		.3				-	
LEOLA							T	2.0					2.0	
LITTLE ROCK WB AP	T				T	T	.5	.8	T	1.0	T	T	2.3	4.1
LITTLE ROCK FILTER PL													0	
LOST CORNER						T	-		T	T			T	
LOUANN 2 SE							-			T			-	
LURTON							-		.5				-	
MAOISON							T						T	
MAGNOLIA 3 N													0	
MALVERN													0	
MAMMOTH SPRING						T	-	T	T				T	
MARIANNA 2 S		T				T	T	T					T	
MARKEO TREE	T					T	2.0	T	T	-			-	
MARSHALL						T	7.5						7.5	
MARVELL				T		.5							.5	
MELBOURNE				-		-							-	
MENA									T				T	
MONTICELLO 3 S													0	
MOROBAY L AND O NO 8						T							T	
MORRILTON							-						-	
MOUNT IDA							-						-	
MOUNT MAGAZINE							-						-	
MOUNTAIN HOME							11.0						11.0	
MOUNTAIN HOME C OF ENG							-						-	
MOUNTAIN VIEW 1 W						T		.5	T				-	
MOUNTAINBURG 3 SSW						T		T					-	
MULBERRY							-						-	
NARROWS OAM													0	
NASHVILLE PEACH SUBSTA	T					T		T	T	-			-	
NATHAN						T							T	
NEWHOPE													0	
NEWPORT						T	-	T				T	-	
NIMROD OAM													-	
OEELL						3.5	9.5		1.5				14.5	
OOEN									T				T	
OKAY													-	
OSCEOLA													-	
OWENSVILLE						T	.1	T					.1	
OZARK						T	.5		T				.5	
PARAGOULO								T					-	
PARIS							3.0						3.0	
PARKIN													-	
PERRYVILLE								T					-	
PINE BLUFF						T	T	T				T	T	
PINE BLUFF CAA AP						T	T	T		T			T	
PINE RIDGE													-	
POCAHONTAS 1						T	4.5	T	T				4.5	
PORTLAND													T	
PRESCOTT													3.0	
RATCLIFF						T		3.0	T				T	
RISON													0	
ROGERS	T				T	6.8	4.0	T	1.2	T		T	12.0	
RUSSELLVILLE							1.0						1.0	
SAINT CHARLES							.1						-	
SAINT FRANCIS													-	
SALEM													-	
SEARCY						T	T		T	T			T	
SHERIDAN TOWER													0	
SHIRLEY	T					T	4.5	T	T	T	T		4.5	
SILOAM SPRINGS						4.4	4.0		1.0				9.4	
SPARKMAN 4 E													0	
STAMPS													-	
STAR CITY 2 S													0	
STEVE							1.0		T				1.0	
STUTTGART								T					-	
STUTTGART 9 ESE									T				T	
SUBIACO													-	
SUGAR GROVE									T				-	
TAYLOR								2.0					2.0	
TEXARKANA WB AP						T		T	T	1.0			1.0	
TURNPIKE						2.7	5.5						8.2	
VIOLA													-	
WALDRON						T	T						T	
WALNUT GROVE													-	
WALNUT RIDGE CAA AP						T	3.5	T	T	T			3.5	
WARREN													0	
WASHITA													-	
WHITE ROCK						3.5	10.0	T	.5			T	14.0	
WHITECLIFFS													0	
WILSON													-	
WYNNE							.5						.5	
YELLVILLE													-	

See reference notes following Station Index.

DAILY TEMPERATURES

ARKANSAS
JUNE 1955

Table 5-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	
HOT SPRINGS 1 NNE	MAX	88	85	88	85	86	84	85	86	76	74	77	74	84	85	80	85	85	88	90	91	95	95	86	91	91	88	83	90	92	92	
	MIN	61	60	64	70	66	64	62	53	60	54	53	58	55	66	62	60	60	64	64	69	66	67	67	66	67	66	72	74	66	64	70
JONESBORO	MAX	83	88	89	89	80	82	78	83	80	76	73	72	76	73	76	85	89	90	90	86	93	90	89	92	88	82	78	89	93	90	
	MIN	57	59	65	69	86	64	56	56	62	57	51	56	54	58	53	57	60	64	65	67	67	66	69	69	66	72	71	66	63	65	70
KEO	MAX	85	87	89	89	86	85	83	87	76	76	78	76	86	79	70	83	87	88	89	91	93	91	90	93	92	84	84	90	93	92	
	MIN	59	58	64	67	67	61	58	55	61	54	50	57	52	61	62	58	59	64	63	66	64	65	66	64	69	65	65	63	67	69	
LEAO HILL	MAX	83	89	88	88	85	81	80	85	75	68	73	68	78	68	76	83	83	87	86	89	93	88	88	90	87	80	75	85	89	90	
	MIN	56	54	60	62	61	58	49	48	60	50	51	58	51	56	58	48	52	58	56	63	55	63	64	61	65	63	63	57	65	70	
LITTLE ROCK W8 AP	MAX	85	88	89	89	83	84	84	87	73	74	77	74	85	75	70	83	87	88	91	89	92	92	89	91	92	83	79	88	92	90	
	MIN	61	62	67	71	68	63	63	59	60	56	53	59	56	62	62	61	62	67	61	62	67	68	70	71	69	67	67	68	68	70	71
MAGNOLIA 3 N	MAX	87	89	89	90	88	83	84	89	85	76	77	76	88	91	84	87	86	88	91	95	91	94	94	93	95	94	90	90	91	91	
	MIN	58	61	61	70	65	61	62	55	65	54	50	52	55	67	66	63	58	59	60	63	64	62	63	62	70	71	68	63	68	69	
MALVERN	MAX	88	86	89	89	86	83	84	87	87	75	78	74	85	86	84	85	88	89	90	91	94	93	92	92	90	83	90	93	92	92	
	MIN	58	59	60	68	66	62	56	55	64	54	50	50	52	68	64	60	57	63	62	64	65	65	65	63	67	69	65	65	67	70	
MAMMOTH SPRING	MAX	84	90	90	89	80	80	78	84	77	74	70	69	73	69	79	84	87	90	91	90	94	92	92	93	85	79	75	88	93	92	
	MIN	52	55	59	62	60	62	50	47	59	52	52	57	55	54	46	50	53	57	57	65	60	62	60	67	60	67	65	55	60	69	
MARIANNA 2 S	MAX	78	83	88	91	90	81	84	81	86	75	75	77	78	82	67	74	83	88	89	89	86	92	92	89	94	92	78	84	89	92	
	MIN	57	58	64	66	67	64	57	52	62	58	52	55	52	58	58	61	64	63	65	64	62	67	67	65	67	67	65	64	68	69	
MARKEO TREE	MAX	78	85	90	93	91	81	85	85	85	75	78	76	75	80	65	79	85	89	91	88	95	93	90	94	90	76	82	90	93	92	
	MIN	57	57	66	68	66	65	56	59	64	57	50	55	55	59	56	58	60	63	65	69	65	67	74	65	67	71	65	61	65	69	
MARSHALL	MAX	82	85	85	85	80	77	82	84	79	71	77	66	76	73	73	81	83	85	86	85	90	87	87	88	82	85	84	85	88	86	
	MIN	62	69	59	66	61	62	50	52	50	49	50	58	54	52	57	50	52	61	61	65	60	62	62	62	62	63	57	58	70	70	
MENA	MAX	84	83	84	87	82	82	82	82	76	68	78	72	82	82	80	81	83	85	86	86	89	90	89	88	89	89	82	87	90	88	
	MIN	60	61	62	68	67	59	59	56	57	57	49	55	53	66	62	61	60	61	61	65	63	62	62	64	67	62	64	64	69	72	
MONTICELLO 3 S	MAX	86	89	91	88	88	85	85	89	85	76	81	79	85	86	86	85	88	85	93	92	96	95	93	92	91	90	94	90	90	90	
	MIN	59	56	59	59	63	62	60	55	63	52	57	50	48	70	64	63	57	58	60	63	64	62	61	67	71	67	58	66	66	66	
MORRILTON	MAX	85	88	88	85	86	84	82	86	78	73	76	72	86	75	74	82	86	86	89	89	93	91	91	90	92	85	79	89	92	90	
	MIN	59	60	63	68	66	63	60	56	60	55	53	59	52	60	60	56	68	62	62	65	67	64	67	64	68	67	66	62	67	71	
MOUNT IOA	MAX	84	85	85	86	87	85	84	84	88	70	72	71	73	83	82	79	83	84	86	88	89	91	91	90	90	90	88	78	89	90	
	MIN	54	56	57	63	66	61	54	51	61	47	48	48	49	61	63	58	53	58	57	65	59	61	60	61	66	66	64	62	65	73	
MOUNT MAGAZINE	MAX	75	74	77	77	76	74	73	75	66	62	65	62	73	69	66	72	74	77	80	84	83	80	81	83	79	71	78	82	81	81	
	MIN	53	63	64	64	60	56	56	60	50	48	45	50	55	56	56	57	58	61	62	64	62	66	66	65	65	68	59	61	66	65	
MOUNTAIN HOME	MAX	83	87	86	87	82	82	78	85	74	70	70	68	74	69	75	81	83	86	86	87	92	88	86	90	88	82	74	84	88	87	
	MIN	56	60	61	63	62	58	54	51	60	55	52	56	52	57	54	51	55	60	59	63	61	61	65	62	65	64	64	68	64	69	
MOUNTAIN HOME C OF ENG	MAX	75	83	86	81	87	82	82	79	84	73	70	69	68	75	60	75	81	85	87	87	88	91	91	89	90	86	75	74	84	88	
	MIN	59	61	62	64	62	60	55	53	61	56	52	56	53	57	55	55	61	60	64	66	61	62	66	63	69	64	63	59	66	70	
NARROWS OAM	MAX																															
	MIN	57	56	53	65	62	63	55	52	65	58	48	52	58	63	65	63	56	57	58	58	62	62	61	61	61	66	66	64	65	66	
NASHVILLE PEACH SUBSTA	MAX	80	84	84	86	86	85	82	83	85	70	71	77	77	86	88	80	85	85	87	88	93	93	93	92	90	91	92	85	92	92	
	MIN	59	60	61	67	65	61	58	58	65	49	50	53	55	64	62	61	61	62	62	65	65	68	63	63	65	68	67	63	69	68	
NEWPORT	MAX	87	90	92	90	84	84	82	86	81	79	75	76	81	79	78	86	89	92	92	87	95	92	91	94	91	84	81	90	94	93	
	MIN	58	57	65	67	65	63	56	55	61	55	51	57	54	58	59	55	59	64	62	63	66	66	71	66	70	72	64	60	66	69	
NIMROO OAM	MAX	81	87	87	88	89	88	88	81	85	69	73	76	70	85	81	76	85	86	88	91	91	94	91	90	92	93	84	75	90	94	
	MIN	56	57	59	64	60	60	55	52	62	48	53	57	50	62	60	56	54	60	61	63	65	62	63	63	65	69	67	62	60	71	
OKAY	MAX	86	87	88	88	88	83	85	88	85	73	77	79	88	91	86	87	92	91	93	93	92	92	94	93	92	94	93	93	95	93	
	MIN	66	62	61	71	64	63	65	56	66	53	50	53	56	69	65	63	60	61	61	67	65	66	64	65	70	72	69	63	71	70	
OZARK	MAX	85	85	87	86	85	85	84	78	68	78	74	84	79	77	82	85	86	89	91	93	93	91	91	91	92	84	78	88	91	90	
	MIN	62	65	63	66	66	62	53	54	60	49	50	56	52	65	60	60	59	64	61	64	62	65	64	65	63	64	66	66	70	71	
PARAGOULD	MAX	84	89	89	89	84	81	77	84	82	76	73	73	76	73	80	85	89	90	91	89	94	91	89	91	88	84	80	88	91	89	
	MIN	55	57	63	66	64	64	56	56	59	55	51	56	51	59	50	54	56	60	61	66	66	62	66	66	70	67	66	50	61	70	
PARIS	MAX	89	89	92	90	90	86	85	89	77	74	78	74	87	80	79	86	88	90	92	93	95	93	94	96	97	90	84	93	96	95	
	MIN	58	61	62	65	66	63	51	55	60	51	50	58	52	65	60	59	57	62	61	65	63	67	66</								

DAILY TEMPERATURES

ARKANSAS
JUNE 1955

Table 5 - 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	
		STUTT GART 9 ESE	MAX	79	84	87	89	90	82	83	81	85	71	76	78	77	84	76	70	83	87	89	90	91	91	91	90	92	91	88	84	89	
	MIN	59	58	65	67	68	64	60	56	65	59	57	51	57	61	62	60	61	66	61	67	66	68	67	66	71	70	65	65	69	69	63.3	
SUBIACO	MAX	88	87	90	90	88	85	84	87	74	73	77	72	87	78	78	84	86	88	90	91	94	92	93	93	95	85	76	89	92	92	85.9	
	MIN	61	63	63	68	67	63	58	57	59	52	52		52	67	59	64	62	59	64	62	66	64	66	66	65	69	62	65	63	69	72	62.6
TEXARKANA W8 AP	MAX	86	87	87	88	86	83	84	88	75	72	77	78	88	89	81	87	86	87	90	91	92	93	92	91	91	93	90	91	92	92	86.9	
	MIN	62	64	67	71	66	63	66	60	58	55	52	56	61	68	66	65	64	63	66	69	66	68	67	68	70	72	70	65	73	71	65.1	
TURNPIKE	MAX	78	79	81	80	79	75	73	79	68	65	65	66	71	68	71	78	77	80	82	81	84	84	82	83	81	77	71	80	81	82	76.7	
	MIN	56	63	64	60	58	56	55	61	55	49	47	52	56	54	55	57	68	63	62	62	67	66	65	66	67	65	60	61	65	66	60.0	
WALORON	MAX	88	87	89	89	86	84	88	76	72	77	77	87	85	81	85	85	89	92	90	92	93	93	93	93	93	90	87	91	94	93	87.2	
	MIN	62	58	59	66	62	58	55	52	57	46	46	57	49	63	61	58	55	59	58	63	60	65	62	62	66	67	66	62	66	72	59.7	
WALNUT RIDGE CAA AP	MAX	82	87	88	88	78	80	78	83	74	75	74	71	74	69	78	83	87	88	88	88	94	90	89	90	88	76	79	87	92	90	82.9	
	MIN	59	60	66	68	64	58	56	54	58	53	52	57	58	57	53	56	59	63	64	68	67	65	71	68	69	68	65	59	67	71	61.8	
WARREN	MAX	87	88	90	90	89	85	85	90	79	79	81	79	85	88	79	78	89	90	92	92	92	94	94	92	94	91	91	91	91	91	87.9	
	MIN	58	57	59	69	69	61	64	59	66	59	53	55	57	68	58	61	58	61	61	63	67	66	65	65	72	67	67	66	66	65	62.7	
WHITE ROCK	MAX	76	78	80	82	78	75	75	79	75	65	66	63	72	69	70	71	73	80	82	82	87	83	84	85	82	79	76	80	83	82	77.1	
	MIN	64	58	62	64	58	57	57	65	52	47	48	52	54	59	56	58	59	64	65	64	67	65	66	66	65	67	61	62	68	67	60.6	
WILSON	MAX	82	83	91	92	83	81	79	84	81	73	74	73	75	73	79	79	84	91	90	85	89	92	83	84	85	76	80	86	90	89	82.9	
	MIN	60	62	63	67	67	67	57	55	58	58	54	51	58	62	55	58	61	62	69	71	66	64	63	67	70	68	66	63	72	73	63.0	
WYNNE	MAX	83	88	89	90	83	83	79	83	73	76	75	75	80	70	75	83	86	88	89	86	91	91	89	91	91	83	80	87	90	89	83.9	
	MIN	58	57	69	69	67	62	57	51	60	57	49	55	53	52	56	57	62	63	61	63	63	62	67	70	65	67	63	66	70	61.1		

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total for 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	
		BLAKELY MOUNTAIN DAM	EVAP	.25	.30	.24	*	*	.71	.22	.34	.23	.03	*	*	.66	.23	.27	.12	.21	*	*	.75	.26	.28	.34	.17	*	*	.84	.05	.24	
	WIND	65	55	41	*	*	195	46	65	60	61	*	*	230	61	*	104	38	*	*	129	47	54	56	37	*	*	194	42	40	75	1695	
HOPE 3 NE	EVAP	.23	.22	.16	.07	*	.42	.27	.09	.16	.08	.22	.04	.10	.21	.30	.13	.12	.23	.11	.32	.21	.24	-	.26	.24	.25	.24	.11	.10	.23	5.548	
	WIND	16	8	11	12	*	50	36	16	21	48	38	44	28	14	33	64	34	18	9	9	16	19	15	17	17	25	30	19	18	17	702	
MOUNTAIN HOME C OF ENG	EVAP	.21	.23	.24	.28	.23	.26	.27	.28	.26	.14	.13	.14	.10	.15	.02	.15	.25	.25	.24	.17	.23	.41	.24	.24	.27	.26	.27	.09	.20	.29	6.50	
	WIND	46	27	15	14	30	42	46	45	35	22	34	74	28	23	19	24	29	28	15	18	15	31	25	21	37	38	27	28	25	45	906	
NARROWS DAM	EVAP	-	.26	.19	.22	.18	.26	.21	.28	.21	.10	.21	.22	.12	.19	.23	.24	.24	.33	.23	.23	.32	.32	.33	.23	.31	.28	.21	.13	.24	.32	7.088	
	WIND	43	39	18	26	28	42	15	28	26	26	63	53	20	23	30	29	17	32	24	15	36	25	28	16	29	36	22	20	18	34	861	
NIMROD DAM	EVAP	-	.26	.19	.21	.23	.14	.22	.33	.17	.06	.15	.31	.10	.15	.18	.10	.25	.25	.19	.13	.33	.28	.26	.26	.26	.23	.12	.10	.20	.27	6.138	
	WIND	-	13	19	4	26	30	38	43	30	14	72	118	31	18	22	14	16	22	11	15	15	20	18	27	16	24	12	9	10	21	7538	
RUSSELLVILLE	EVAP	.20	.22	.21	.25	.22	.26	.27	.20	.12	.11	.23	.17	.12	.22	-	.17	.24	.21	.27	.18	.26	.19	.19	.28	.18	.08	.22	.19	.25	.26	6.188	
	WIND	22	12	8	11	14	15	26	19	6	20	50	29	6	23	12	23	17	7	6	5	8	7	5	9	6	12	22	13	14	18	445	
STUTT GART 9 ESE	EVAP	.23	.22	.21	.14	.36	.14	.15	.27	.18	.06	.9	.23	.21	.22	.24	.12	.02	.21	.24	.15	.24	.11	.19	.26	.17	.23	.26	.25	.14	.22	.10	5.77
	WIND	24	7	22	22	62	72	67	55	50	9	79	70	81	33	43	15	26	20	11	5	26	16	16	16	21	42	13	44	27	13	23	1014

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1954-1955

ARKANSAS
JUNE 1955

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	NORMAL JULY-JUNE
ALUM FORK	0	0	0	155	385	634	681	577	396	58	0	5	2896	
ARKADDELPHIA	0	0	0	124	333	569	627	492	338	51	0	0	2492	
ASHDOWN	0	0	1	112	369	562	619	477	309	41	0	2	2492	
BALU KNOB	0	0	5	165	440	608	732	577	388	67	0	5	3047	
BATESVILLE LIVESTOCK	AM						826	712	484	109	8	27		
BATESVILLE L AND U NO 1	0	0	7	203	485	700	752	615	423	70	5	4	3264	
BENTON	0	0	4	167	451	681	716	564	393	70	1	6	3053	
BENTONVILLE	0	0	15	244	522	789	836	738	515	118	21	23	3821	
BLYTEVILLE	0	0	1	158	390	692	793	656	431	63	4	1	3189	
BUONEVILLE	0	0	0	140	399	635	690	584	395	68	0	5	2916	
BRINKLEY	0	0	1	152			755	617	379	60	0	2		
CAMDEN 1	AM						648	538	278	69	0	3		
CAMP CHAFFEE	0	0	3	147	406	671	713	580	413	77	2	5	3007	
CLARKSVILLE	0	0	1	156	420	683	717	600	406	68	1	6	3058	
CONWAY	0	0	1	153	405	645	679	548	363	47	0	2	2843	
CORNING	AM						849	706	457	88	6	8		
CROSSETT 7 S	0	0	1	118	355	547	591	439	235	46	0	1	2333	
CUMMINS FARM	0	0	5	157	442	675	566	566	367	69	0	2		
DARDANELLE	0	0	0	145	396	628	663	562	367	41	0	4	2806	
DE WOODEN	0	0		124	395	613	628	495	299	41	0	2		
DES ARC	AM						722	612	394	66	0	7		
DEVILS KNOB	0	0	4	206	440	762	850	714	531	122	17	35	3681	
DUMAS 1	0	0	0	125	369	610	633	536	290	71	0	0	2634	
EL DUKAOU CAA AP	0	0	0	117	343	534	600	487	306	52	0	0	2439	
EUREKA SPRINGS	0	0	7	197	432	737	779	700	472	92	13	19	3448	
FAYETTEVILLE	0	0	6	203	482	739	801	696	480	106	8	20	3541	
FAYETTEVILLE CAA AP	0	0	17	221	532	777	836	715	523	132	19	23	3795	
FAYETTEVILLE EXP STA	0	0	11	221	490	743	795	697	496	119	14	22	3608	
FLIPPIN CAA AP	0	0	7	227	511	770	832	703	514	103	6	15	3688	
FURUYCE 6 W	0	0	0	120	347	547	603	480	265	0	0	1		
FORT SMITH WB AP	0	0	1	148	394	689	739	624	419	82	0	6	3102	3188
FT SMITH WATER PLANT					414	709	756	656	447	97	6	6		
GILBERT	0	0	10	205	493	740	786	643	466	109	11	9	3472	
GRANNIS	0	0	0	156	400	617	677	519	364	73	0	9	2815	
GRAVELTTE	0	0	7	226	499	776	848	742	527	118	16	22	3781	
GREEN MOUNTAIN	AM							870	595	135	0	2		
HARRISON	0	0	7	211	497	755	802	680	490	108	9	11	3570	
HELLENA	AM						668	498	297	46	0	0		
HUPE 3 NE	AM						668	557	348	81	0	0		
HOT SPRINGS 1 NNE	0	0	0	117	303	560	636	525	327	34	0	1	2503	
JONESBORO	0	0	7	176	424	702	755	611	404	69	2	4	3154	
KEO	0	0	1	163	408	643	669	540	367	57	0	1	2849	
LEAD HILL	0	0	7	214	514	779	822	724	523	104	7	14	3708	
LITTLE ROCK WB AP	0	0	0	142	362	635	690	570	388	59	0	0	2846	2982
MAGNOLIA 3 N	0	0	0	97	341	517	583	456	320	58	0	2	2374	
MALVERN	0	0	0	135	363	593	672	514	312	41	0	4	2634	
HAMMOTH SPRING	AM						801	679	485	89	7	15		
MARIANNA 2 S	AM						742	626	399	74	0	3		
MARKED TREE	AM						825	696	466	88	1	5		
MARSHALL	0	0	5	186	492	726	751	637	487	97	5	11	3397	
MENA	0	0	0	135	382	600	687	575	379	66	0	4	2828	
MONTICELLO 3 S	0	0	1	176	376	571	597	471	297	0	0	1		
MURRILTON	0	0	1	152	406	645	693	572	395	57	0	1	2922	
MOUNT IDA	AM						771	659	423	127	1	20		
MOUNT MAGAZINE	0	0	5	232	480	785	869	538	156	156	0	46		
MOUNTAIN HOME	0	0	7	213	484	764	816	663	494	94	4	13	3552	
MOUNTAIN HOME C OF ENG	AM						871	751	548	121	10	18		
MOUNTAINBURG 3 SSW	AM						718	558	355	98	0	0		
NARROWS DAM	AM						691	579	367	85	0	9		
NASHVILLE PEACH SUBSTA	AM													
NEWPORT	0	0	5	206	446	739	768	632	443	82	0	2	3323	
NIMROD DAM	AM						743	596	390	84	0	13		
OKAY	0	0	0	101	321	505	566	454	277	34	0	3	2261	
OZARK	0	0	1	139	390	645	700	607	415	61	0	7	2965	
PARAGOULD	0	0	12	214	497			611	445	82	4	4		
PARIS	0	0	2	140	383	652	692	577	384	55	0	3	2888	
PERRYVILLE	0	0	0	144	436	621	683	537	374	56	0	2		
PINE BLUFF	0	0	0	123	349	560	604	489	308	44	0	0	2477	
PINE BLUFF CAA AP	0	0	1	144	396	629	661	543	360	62	1	0	2797	
POCAHONTAS 1	0	0	5	197	445	758	786	637	437	78	2	6	3351	
PORTLAND	AM						658	543	307	66	0	0		
PRESCOTT	AM						679	577	358	68	0	7		
ROGERS	0	0	7	200	460	743	800	714	489	107	13	27	3560	
RUSSELLVILLE	AM						696	566	405	53	2	4	2921	
SAINT CHARLES	0	0	1	143	407	644	730	602	345	56	1	0		
SEARCY	0	0	2	172	420	680	722	575	396	64	0	2	3033	
SHERIDAN TOWER	0	0	1	152		601	615	524	322	47	0	0		
SILVAM SPRINGS	AM						878	793	557	161	21	23		
STUTTART	0	0	0	125	354	603	650	509	321	46	0	0	2608	
STUTTART 9 ESE	AM						723	602	380	73	0	0		
SUBIACO	0	0	0	149	390	652	671	588	394	65	2	2	2913	
TEXARKANA WB AP	0	0	0	111	321	519	613	493	300	59	0	1	2417	2362
TURNPIKE	0	0	5	213	451	776	888	675	520	126	20	34	3708	
WALURON	0	0	6	146	443	654	702	590	386	85	1	9	3022	
WALNUT RIDGE CAA AP	0	0	5	217	470	749	804	656	485	86	2	6	3480	
WARREN	0	0	0	98	336	553	591	459	250	45	0	0	2332	
WHITE ROCK	0	0	3	223	457	757	859	737	515	107	12	30	3700	
WILSON	0	0	0				753	571	380	51	0	4		
WYNNE	0	0	0	171	425	681	747	615	400	81	3	7	3136	

COMPUTATION OF DEGREE DAY DATA FOR STATIONS MAKING MORNING OBSERVATIONS WAS NOT STARTED UNTIL JANUARY 1, 1955.

CLIMATOLOGICAL DATA

ARKANSAS
DELAYED DATA

TABLE 2

Station	Temperature											Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days					
										Max.	Min.	90° or Above	32° or Below					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
MAY 1955 DELTA DIVISION CAMDEN 1	88.7	62.6	75.7	+ 4.7	95	6+	53	30	0	14	0	0	0	0	3.40	- .91	1.42	24	.0	0				5	2	2

DAILY PRECIPITATION

Table 3

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		
MAY 1955 CAMDEN 1	3.40																																	

DAILY TEMPERATURES

Table 5

Station	MAX 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	31	
MAY 1955 CAMDEN 1	92 55	92	92	92	93	91	95	89	95	89	93	88	87	88	90	87	84	90	84	89	84	84	81	90	85	94	95	91	89	85	82	82	88.7
	55	55	55	65	62	64	59	64	60	63	64	67	61	64	67	58	65	60	65	65	61	60	65	64	64	72	74	74	58	53	57	62.6	

See reference notes following Station Index.

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTF EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

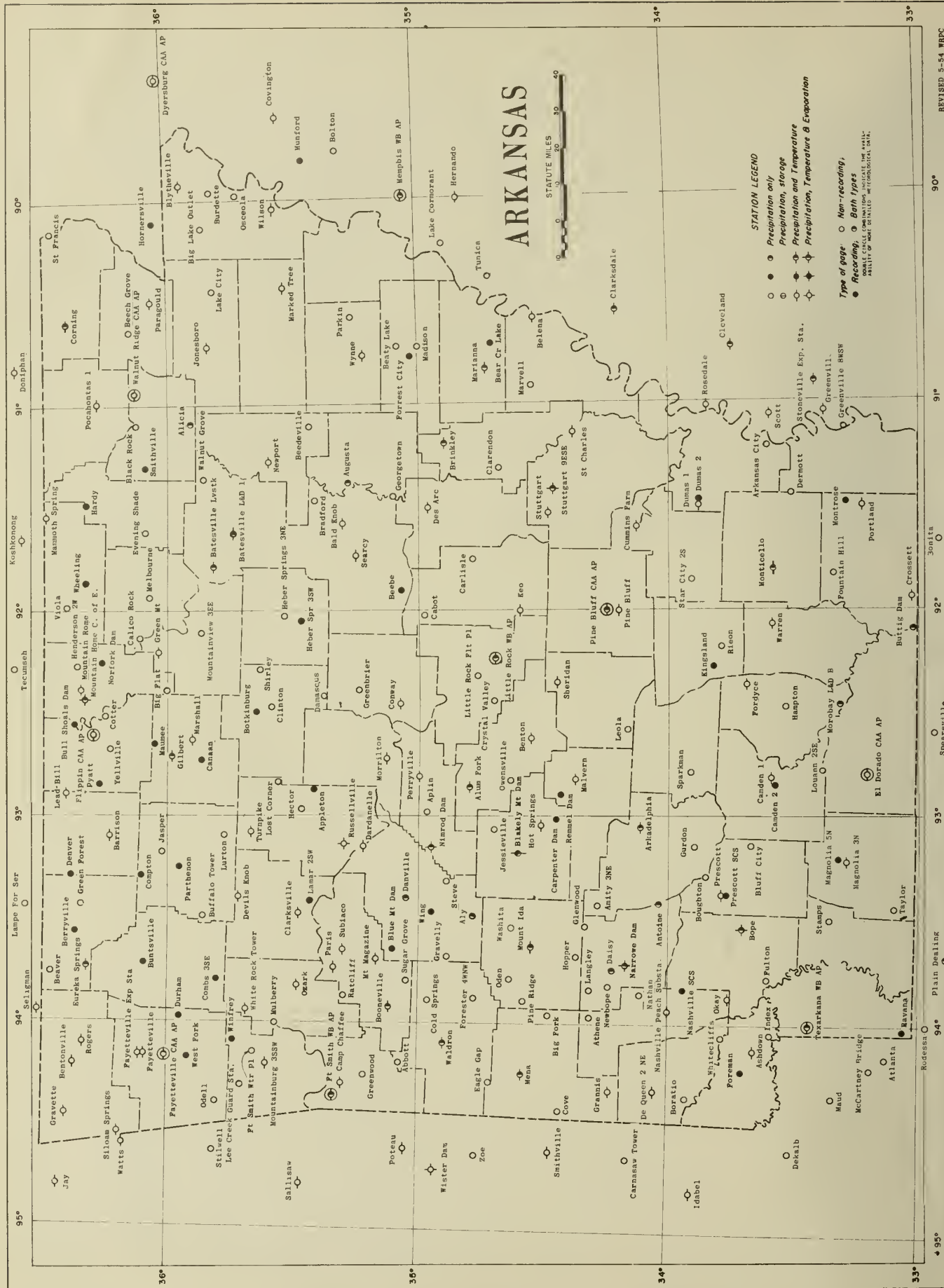
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

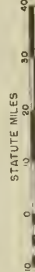
NWRC, ASHEVILLE, N. C. -- 8-12-55 -- 1005

CORRECTIONS

- December 1954: Flippin CAA AP, Table 2, degree days should be 770.
Flippin CAA AP, Table 5, maximum on 12th should be 42.
- January 1955: Table 2, temperature departure for Division 2 should be -0.4 and for the State +0.1.
Eureka Springs, Table 2, greatest snow depth on ground should be 4 on the 10th.
Gilbert, Table 2 greatest depth on ground should be 4.
- March 1955: Monticello, Table 2, days with max 32° or below should be 0 and days min 0° or below 0.



ARKANSAS



STATION LEGEND

- Precipitation only
- Precipitation, Storage
- Precipitation and Temperature
- Precipitation, Temperature & Evaporation

Type of gage

- Non-recording;
- Recording;
- Both types

SHADED CIRCLES INDICATE THE QUALITY OF GAGE SERVICE - RECORDED, W.P.

551.05
UNAR
U.607

~~NAT. HIST.~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C.

OFFICIAL BUSINESS
Permit No. 1024

Penalty for private
use to avoid pay-
ment of postage
\$300.

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

JULY 1955
Volume LX No. 7



THE LIBRARY OF THE
SEP 3 1955

ASHEVILLE: 1955

~~1077~~
~~1077~~

ARKANSAS - JULY 1955

WEATHER SUMMARY

There were no unusual extremes of temperature for July but precipitation amounts varied from less than one-half inch to nearly 10 inches. The State average precipitation was 3.65 inches which is .07 inch above normal. Average temperature for the State was 81.7 degrees or 0.7 degrees above normal.

Over most of the State daily mean temperatures were normal or above except for the period from the 15th to 19th when they were slightly below normal. The daily maximum temperatures were not excessively high. Considerably less than half of the stations reported a high temperature of 100 degrees or higher. The highest reported was 104 degrees at Booneville on the 28th. The lowest temperature for the month was 60 degrees at Narrows Dam on the 2nd, Eureka Springs on the 3rd, and Mountain Home on the 22nd. The highest monthly average temperature in the State was 84.3 degrees at Fort Smith WB Airport; the lowest was 76.3 degrees at Mt. Magazine. Monthly averages were above normal over all of the State except in the southern tier of counties.

There were two rainy periods during the month--the 1st to 7th and 13th to 24th. During the first period, there were scattered showers. On the 14th and 17th rains were rather general but the remainder of the second period brought only scattered showers. Monthly precipitation totals ranged from .30 inch at Sugar Grove to 9.38 inches at Carlisle 1 SW. A few stations in the north central, east central, and southwest part of the State received monthly amounts of over eight inches. About half the stations received between two and four inches and a few stations in the west central and northwest received less than one-half inch.

July weather was generally favorable to growing crops. Pastures were good with cattle being in best condition in many years. According to the U. S. Department of Agriculture, as July closed, record crops of corn, soybeans, and sorghums were forecast. Hay production was estimated to be above last year but cotton and rice production was expected to be somewhat below that of 1954. The grape crop was expected to be only half as much as in 1954 and the apple crop was forecast at about 20% of the 1954 crop. The peach and pear crops were almost completely destroyed by late spring freezes.

STORMS

No tornadoes nor damaging hailstorms were reported during the month. Wind losses were estimated at \$10,000 and losses from electrical storms were estimated at \$32,000. Six persons were injured by lightning but no fatalities were reported.

At Clinton in Van Buren County on July 3, two women were seriously injured when lightning struck the house while they were washing dishes. On July 22 near DeQueen two persons were struck by lightning while seeking shelter under a large oak tree. On July 24 at Clarksville two persons suffered minor injuries as a result of lightning.

Fires started by lightning caused damage estimated at \$15,000 in Benton, Johnson, and Greene Counties on July 3-6; \$6,000 in Seiver, Little River, and Benton Counties on July 22-24; and \$4,000 in Union County on July 30. At Gainesville on July 6 in Greene County lightning struck, setting fire to a house; lightning had struck the same site 11 years ago.

Windstorms caused minor property damage in Johnson County on July 4-5; \$4,000 property damage in Jackson County on July 10; \$2,000 property damage in Benton County on July 15; and considerable crop damage in Phillips County on July 21.

In the central part of the State on July 24 electrical and windstorms caused considerable property damage. Lightning struck in Conway, Clarksville, Russellville, Little Rock, and North Little Rock with damage totaling \$7,000. Wind damage was mostly in Paris and vicinity and is estimated at \$3,000.

For an account of storms for the month in more detail the reader is referred to Climatological Data National Summary for July 1955.

Gilbert E. Stegall

SUPPLEMENTAL DATA

ARKANSAS
JULY 1955

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	10-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine
FORT SMITH WB AIRPORT	ENE	23	6.0	27	N	21	82	91	54	55	4	1	3	1	0	9	71	4.3
LITTLE ROCK WB AIRPORT	SSW	17	8.2	35	SW	2	83	88	57	61	4	3	0	3	0	10	60	5.5
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	0	1	1	2	1	6	-	-

COMPARATIVE DATA

JULY

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	76.5	103	50	7.24	.0	1916	82.8	106	55	2.09	.0	1941	81.2	105	53	4.82	.0
1892	79.0	104	52	3.58	.0	1917	79.6	105	50	5.10	.0	1942	81.1	105	53	1.39	.0
1893	80.9	103	59	2.94	.0	1918	79.6	111	49	1.53	.0	1943	82.9	110	47	1.13	.0
1894	78.4	108	51	3.98	.0	1919	81.2	104	54	1.91	.0	1944	81.2	108	49	2.61	.0
1895	78.9	104	55	7.34	.0	1920	79.8	105	52	4.22	.0	1945	78.1	106	45	3.94	.0
1896	83.4	110	52	1.61	.0	1921	82.0	107	54	2.42	.0	1946	80.8	106	51	3.94	.0
1897	82.4	109	50	3.25	.0	1922	80.2	106	48	4.12	.0	1947	78.3	109	41	1.25	.0
1898	79.9	105	50	4.25	.0	1923	79.9	105	48	3.53	.0	1948	80.5	105	51	4.11	.0
1899	79.0	100	52	5.14	.0	1924	79.0	110	40	2.35	.0	1949	81.1	102	53	4.32	.0
1900	79.7	102	51	4.46	.0	1925	81.8	109	47	4.99	.0	1950	76.8	99	53	7.10	T
1901	83.7	116	50	2.49	.0	1926	79.8	109	42	3.55	.0	1951	80.5	104	51	5.83	.0
1902	79.4	105	50	4.49	.0	1927	79.6	104	49	4.25	.0	1952	82.4	109	50	2.51	.0
1903	79.6	105	53	3.86	.0	1928	80.3	102	52	3.66	.0	1953	80.2	109	49	4.65	.0
1904	77.9	104	49	4.43	.0	1929	81.2	105	51	3.07	.0	1954	81.8	116	53	1.55	T
1905	76.7	106	51	7.60	.0	1930	84.7	115	42	0.74	.0	1955	81.7	104	60	3.65	T
1906	76.7	99	48	5.96	.0	1931	81.0	106	48	6.00	.0	ALL YEARS	80.6			3.73	T
1907	81.4	108	53	1.96	.0	1932	82.5	108	50	5.00	.0						
1908	79.2	103	48	3.00	.0	1933	81.4	109	55	5.01	.0						
1909	81.9	106	50	2.51	.0	1934	85.5	112	57	1.66	.0						
1910	79.4	105	41	5.46	.0	1935	82.2	107	53	2.32	.0						
1911	78.4	106	43	4.83	.0	1936	83.3	114	42	4.90	.0						
1912	81.3	104	56	2.82	.0	1937	80.4	106	52	3.71	.0						
1913	81.5	104	55	4.31	.0	1938	82.0	109	59	3.74	.0						
1914	82.6	107	54	2.69	.0	1939	82.0	110	55	3.34	.0						
1915	77.1	107	43	2.40	.0	1940	78.4	103	48	4.14	.0						

BEGINNING WITH 1955, AVERAGES HAVE BEEN WEIGHTED ACCORDING TO AREA AND ARE NOT COMPARABLE WITH UNWEIGHTED VALUES PUBLISHED IN THIS TABLE FOR EARLIER YEARS.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature								Precipitation																		
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days										
														Total	Max. Depth on Ground	Date	.18 or More	.50 or More									
																			1.00 or More								
90° or Above	32° or Below	32° or Below	0° or Below																								
HIGHLAND DIVISION																											
ALUM FORK	92.7	70.2	81.5	1.3	98	6	66	30	0	25	0	0	0	1.23	- 1.97	0.35	24	0.0	0	0	0	0	0	0	0	0	0
ASHOOWN	94.4	71.2	82.8		100	16	62	4	0	27	0	0	0	5.88		4.10	15	0.0	0	0	0	0	0	0	0	0	
BENTON	92.4				98	10			0	26	0	0	0	3.95		1.17	17	0.0	0	0	0	0	0	0	0	0	
BENTONVILLE	92.1	67.0	79.6	1.2	97	29+	62	13+	0	24	0	0	0	0.79	- 2.50	0.34	15	0.0	0	0	0	0	0	0	0	0	
BOONEVILLE	97.1	71.0	84.1		104	28	67	16	0	30	0	0	0	0.45		0.16	7+	0.0	0	0	0	0	0	0	0	0	
CAMP CHAFFEE	94.2	71.6	82.9		100	10	68	16	0	28	0	0	0	1.55		0.64	23	0.0	0	0	0	0	0	0	0	0	
CLARKSVILLE	93.8	71.2	82.5		100	29	68	15+	0	27	0	0	0	5.38		2.30	5	0.0	0	0	0	0	0	0	0	0	
CONWAY	92.9	71.8	82.4	0.2	99	29	68	1	0	27	0	0	0	3.95	0.45	1.10	3	0.0	0	0	0	0	0	0	0	0	
OAROANELLE	92.7	73.1	82.9	0.6	98	10	70	4+	0	26	0	0	0	3.91	0.53	1.48	25	0.0	0	0	0	0	0	0	0	0	
OE QUEEN	95.8	69.0	82.4	1.3	102	10	65	21	0	29	0	0	0	5.56	1.57	2.77	16	0.0	0	0	0	0	0	0	0	0	

See reference notes following Station Index.

CLIMATOLOGICAL DATA

ARKANSAS
JULY 1955

TABLE 2 - CONTINUED

Station	Temperature											Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max.	Min.	No.					Total	Max. Depth on Ground	Date	# of More	# of More	
																						32° or Above
DEVILS KNOB	86.4	69.1	77.8		93	29+	62	5	0	5	0	0	4.14	- 2.11	1.86	20	0.0	0	0	5	3	1
EUREKA SPRINGS	91.0	68.4	79.7	0.7	97	30	60	3+	0	23	0	0	1.60	- 2.11	0.58	22	0.0	0	0	3	2	0
FAYETTEVILLE	91.3	70.2	80.8		96	30	66	13	0	25	0	0	3.09		0.63	17	0.0	0	0	8	2	0
FAYETTEVILLE CAA AP	90.3	68.0	79.2		95	28+	63	13	0	20	0	0	3.98		2.08	17	0.0	0	4	2	2	
FAYETTEVILLE EXP STA	91.8	68.2	80.0	1.2	99	30	64	13	0	26	0	0	2.11	- 1.59	0.75	17	0.0	0	6	1	0	
FLIPPIN CAA AP	93.1	69.7	81.4		99	29	65	17	0	26	0	0	2.33		0.73	5	0.0	0	6	2	0	
FORT SMITH W8 AP	95.6	72.9	84.3	2.0	101	30	70	4+	0	28	0	0	1.39	- 1.17	0.50	18	0.0	0	0	4	1	
FT SMITH WATER PLANT	93.0	66.6	79.8		99	30	63	13	0	26	0	0	3.60		1.54	19	0.0	0	0	8	2	
GILBERT	92.1	67.9	80.0		97	28+	63	17	0	24	0	0	7.26	4.38	2.50	18	0.0	0	10	4	3	
GRANNIS	91.0	69.6	80.3	0.8	98	10	65	16	0	22	0	0	5.20	0.65	2.00	16	0.0	0	6	4	2	
GRAVETTE	92.6	68.2	80.4	2.0	97	29+	65	4+	0	27	0	0	2.34	- 1.17	0.90	16	0.0	0	5	2	0	
GREEN MOUNTAIN	91.3	68.6	80.0		99	28+	64	4+	0	21	0	0	2.78		1.10	18	0.0	0	6	1	1	
HARRISON	91.7	66.6	79.2	1.1	97	31	62	22+	0	25	0	0	5.73	2.34	1.50	4	0.0	0	8	5	2	
HOPE 3 NE	92.8M	71.3M	82.1M	0.4	99	11	69	4+	0	27	0	0	4.34	- 0.01	1.08	15	0.0	0	6	4	2	
HOT SPRINGS 1 NNE	93.3	73.3	83.3	1.0	101	11	69	4+	0	24	0	0	5.16	1.05	1.96	14	0.0	0	7	3	3	
LEAO HILL	93.4	68.5	81.0	0.9	100	29	65	5+	0	29	0	0	4.19	0.50	1.53	5	0.0	0	7	3	1	
LITTLE ROCK W8 AP	93.2	73.5	83.4	1.5	99	10	69	1+	0	27	0	0	2.17	- 0.93	0.72	21	0.0	0	3	3	0	
MALVERN	94.3	70.8	82.6		99	28+	66	2	0	27	0	0	3.00		1.65	17	0.0	0	5	2	1	
MAMMOTH SPRING	93.4	68.7	81.1	2.1	99	28	65	5+	0	26	0	0	5.05	1.55	1.35	6	0.0	0	8	3	3	
MARSHALL	91.1M	69.0M	80.1M	1.0					0	0	0	0	8.06	4.49	3.75	18	0.0	0	8	5	3	
MENA	91.3	70.8	81.1	0.8	97	9+	67	23	0	24	0	0	3.93	0.05	1.81	23	0.0	0	6	3	1	
MORRILTON	93.6	71.6	82.6	0.0	100	29+	69	1+	0	27	0	0	1.99	- 0.45	0.51	3	0.0	0	6	1	0	
MOUNT IDA	92.4	69.4	80.9	1.0	98	11	65	4	0	28	0	0	5.74	2.24	1.89	25	0.0	0	8	4	2	
MOUNT MAGAZINE	84.5M	68.1M	76.3M				62	17	0	3	0	0	2.90		1.20	25	T	0	4	2	2	
MOUNTAIN HOME	91.8	68.6	80.2	0.8	98	29	60	22+	0	25	0	0	2.84	- 0.68	1.29	5	0.0	0	7	2	1	
MOUNTAIN HOME C OF ENG	91.6	70.2	80.9		99	28	66	16+	0	22	0	0	3.13		1.26	6	0.0	0	7	1	1	
NARROWS DAM		68.6					60	2	0	0	0	0	7.14		2.70	17	0.0	0	8	5	2	
NASHVILLE PEACH SUBSTA	93.4	70.3	81.9		100	11+	67	4+	0	27	0	0	2.76		0.85	15	0.0	0	6	3	0	
NIMROO DAM	94.2	69.9	82.1		100	11	67	19	0	28	0	0	3.31		1.33	25	0.0	0	10	1	1	
OKAY	94.4	71.8	83.1	0.2	100	10	68	4	0	27	0	0	4.07	0.47	2.16	15	0.0	0	6	2	1	
OZARK	94.9	70.8	82.9	0.7	101	28+	67	15+	0	28	0	0	1.45	- 1.72	0.45	23	0.0	0	5	0	1	
PARIS	95.6	70.8	83.2		100	26+	68	4+	0	30	0	0	3.00		1.64	24	0.0	0	7	4	1	
PERRYVILLE	94.7	69.1	81.9	2.1	99	10	66	3	0	29	0	0	4.77		2.31	24	0.0	0	7	4	1	
ROGERS	88.1	70.0	79.1	1.1	94	30	66	4	0	12	0	0	0.31	- 3.37	0.30	18	0.0	0	1	0	0	
RUSSELLVILLE	93.5	71.7	82.6	1.1	99	29	69	4+	0	27	0	0	2.11	- 1.99	0.50	17	0.0	0	7	1	0	
SHERIDAN TOWER	93.8	69.3	81.6		98	7+	65	2+	0	29	0	0	4.72		2.10	21	0.0	0	4	2	2	
SILGOM SPRINGS	92.6	66.4	79.5		98	31	62	17	0	25	0	0	1.04		0.58	25	0.0	0	3	2	0	
SUBIACO	95.5	71.4	83.5	1.2	103	30	69	4+	0	31	0	0	1.99	- 1.18	1.10	6	0.0	0	3	1	1	
TEXARKANA W8 AP	92.7	72.3	82.5	- 0.4	98	10+	69	19	0	28	0	0	4.71	3.77	2.15	22	0.0	0	5	4	2	
TURNPIKE	86.1	68.8	77.5		92	1+	64	6	0	8	0	0	3.81	0.53	1.72	14	0.0	0	7	2	1	
WALORON	96.6	68.0	82.3		103	29	64	19	0	31	0	0	0.60	- 2.27	0.30	6+	0.0	0	2	0	0	
WHITE ROCK	86.3	69.7	78.0		93	30	65	18	0	5	0	0	2.99		0.94	18	0.0	0	5	2	0	
OIVISION			81.2	0.6									3.45	- 0.03					T			
DELTA OIVISION																						
ARKADELPHIA	93.8	71.8	82.8	1.6	100	10+	68	1+	0	27	0	0	3.19	- 0.52	0.95	14	0.0	0	7	3	0	
BALO KNOB	91.5	71.2	81.4		97	27	67	1+	0	23	0	0	4.23		1.20	15	0.0	0	6	5	1	
BATESVILLE LIVESTOCK	92.3	66.6	79.5		98	11+	61	5	0	24	0	0	5.21		1.62	22	0.0	0	6	5	2	
BATESVILLE L ANO O NO 1	93.0	70.1	81.6		99	28	66	2+	0	27	0	0	2.68	- 0.80	1.70	15	0.0	0	5	1	1	
BLYTHEVILLE	92.4M	74.0M	83.2M	1.7	98	3	67	4+	0	0	0	0	4.57	1.38			0.0	0				
BRINKLEY	92.3M	70.1M	81.2M	0.2	102	26	62	4	0	23	0	0	3.57	- 0.71	2.00	15	0.0	0	5	3	1	
CAMDEN 1	95.8	72.1	84.0	2.5	102	10	68	1+	0	29	0	0	5.90	1.84	2.70	15	0.0	0	8	3	2	
CORNING	92.8	72.9	82.9	2.8	97	10+	67	5	0	27	0	0	4.89	1.31	2.19	5	0.0	0	6	3	1	
CROSSETT 7 S	92.1	70.3	81.2	- 0.4	98	10	64	2	0	25	0	0	6.56	1.94	4.00	14	0.0	0	8	2	1	
CUMMINS FARM	92.0	70.9	81.5		96	9+	66	3	0	24	0	0	2.78		0.85	30	0.0	0	8	1	0	
OES ARC	93.2	71.2	82.2		99	30	67	5	0	26	0	0	1.55		0.72	15	0.0	0	6	3	0	
DUMAS 1	94.3	72.5	83.4	1.0	101	10	68	19	0	27	0	0	3.01	- 0.97	0.85	13	0.0	0	6	3	0	
EL ORADO CAA AP	92.8	71.7	82.3	- 0.3	100	28	67	1	0	25	0	0	2.99		0.86	13	0.0	0	5	3	0	
FORYOCE 6 W	93.5	71.0	82.3	0.3	100	10+	66	4	0	26	0	0	2.45	- 1.45	0.96	30	0.0	0	6	3	0	
HELENA	93.0	73.4	83.2	1.8	100	28	69	7	0	24	0	0	3.79	- 0.67	1.37	14	0.0	0	4	2	1	
JONESBORO	92.4	72.5	82.5	1.2	98	27	66	5	0	26	0	0	4.43	1.20	1.43	17	0.0	0	8	2	2	
KEO	93.0	71.1	82.1		98	10	67	1+	0	25	0	0	3.99		1.95	17	0.0	0	8	2	2	
MAGNOLIA 3 N	92.2	70.8	81.5	- 1.0	97	10+	68	3+	0	26	0	0	3.02	- 0.99	0.74	4	0.0	0	8	3	0	
MARIANNA 2 S	91.4M	71.4M	81.4M	0.2	97	11+	68	1+	0	0	0	0	4.04	0.65	1.28	7	0.0	0	5	4	2	
MARKEO TREE	93.2	71.7	82.5	1.5	98																	

DAILY TEMPERATURES

ARKANSAS
JULY 1955

Table 5

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		MIN
ALUM FORK	MAX MIN	89 68	91 67	88 68	91 67	93 69	98 70	94 70	94 73	96 72	97 70	97 70	94 75	90 75	85 72	92 70	87 69	85 69	88 68	90 68	95 68	94 70	93 70	92 70	94 70	94 69	95 70	96 71	96 72	95 74	97 66	95 74	92.7 70.2	
ARKADELPHIA	MAX MIN	90 68	90 68	88 71	91 70	92 71	94 72	94 72	95 71	97 71	100 72	99 75	95 75	87 74	91 71	86 70	84 70	94 68	98 68	95 71	94 72	93 68	90 73	94 72	94 73	95 72	97 73	99 74	99 76	100 76	98 75	93.6 71.8		
ASHOON	MAX MIN	92 71	92 72	92 70	94 62	95 68	96 72	97 74	97 75	99 71	100 72	98 72	96 75	92 71	86 73	88 70	88 71	95 69	91 69	96 71	94 68	90 69	94 68	94 71	95 71	96 73	96 71	97 71	98 73	99 74	99 75	97 75	94.4 71.2	
BALO KNOB	MAX MIN	89 67	90 67	91 71	89 67	91 67	93 69	92 70	92 70	95 69	96 72	92 71	91 74	89 74	88 73	90 70	88 71	85 73	86 76	92 70	94 71	90 72	89 71	91 73	92 70	91 73	93 70	94 72	97 73	95 75	94 74	93 74	91.5 71.2	
BATESVILLE LIVESTOCK	MAX MIN	89 63	89 64	91 65	93 62	92 61	90 65	93 65	93 65	94 67	98 67	98 65	95 65	92 69	89 67	90 67	88 64	85 65	86 65	92 67	89 65	95 67	85 67	91 67	91 69	91 67	93 67	95 69	94 71	94 71	96 69	97 69	92.3 66.6	
BATESVILLE L AND O NO 1	MAX MIN	89 68	93 66	90 69	93 70	89 66	92 69	93 69	94 69	98 69	98 70	95 67	92 67	90 70	88 74	93 73	91 69	85 69	90 69	93 69	95 70	91 70	92 70	90 73	90 70	95 70	95 71	98 70	98 72	93 73	96 70	93.0 70.1		
BENTON	MAX MIN	89 71	90 71	92 70	90 67	92 67	92 67	93 67	93 67	95 67	98 67	96 65	92 65	84 62	85 62	93 64	86 62	86 62	89 65	92 66	94 66	90 66	90 66	91 66	94 66	94 66	95 66	95 66	97 66	97 66	96 66	93 66	92.4 67.0	
BENTONVILLE	MAX MIN	91 66	89 68	88 66	90 65	91 65	93 69	94 69	94 67	95 67	92 68	88 65	90 62	89 68	94 66	84 62	85 65	66	64	66	68	69	69	68	69	69	68	69	69	68	69	69	68	67.0
BLYTHEVILLE	MAX MIN	89 70	94 74	98 74	93 67	93 67	90 71	95 74	91 74	92 76	94 78	96 76											91 77	89 72	89 73	88 73	88 74	92 74	95 77	95 79	94 79	94 77	92.4 74.0	
BOONEVILLE	MAX MIN	93 71	92 72	91 71	92 69	93 70	95 70	99 72	99 73	101 73	101 74	99 72	97 72	96 69	90 72	97 70	94 67	88 72	94 70	92 71	92 69	93 69	98 69	98 72	99 71	100 71	101 71	103 70	104 72	102 72	103 75	99 75	97.1 71.0	
BRINKLEY	MAX MIN	89 69	100 70	90 72	87 67	88 73	89 70	90 67	90 67	96 74	98 74	98 74	95 74	92 80	86 74	91 74	88 74	87 72	87 72	92 70	94 71	92 69	92 66	93 66	93 66	94 66	95 66	97 66	97 66	99 66	101 66	99 66	92.3 70.1	
CAMOEN 1	MAX MIN	94 68	95 68	91 67	96 70	92 70	96 74	98 74	98 73	100 74	102 74	101 73	98 74	97 74	84 73	84 73	91 72	87 72	87 70	91 70	96 71	98 71	95 70	96 70	94 71	94 71	99 71	98 73	99 73	101 73	101 73	95.8 72.1		
CAMP CHAFFEE	MAX MIN	94 73	92 71	90 69	92 69	94 71	97 71	98 72	99 72	97 75	97 73	95 72	94 76	92 73	92 73	92 74	86 70	83 69	86 71	91 69	94 71	96 71	98 71	94 70	94 71	94 71	97 71	98 71	99 71	99 71	99 71	99 71	94.2 71.6	
CLARKSVILLE	MAX MIN	92 72	90 71	92 71	93 70	91 69	93 72	94 72	95 73	97 74	95 72	93 72	92 72	92 72	86 69	86 69	86 69	85 71	88 71	93 71	95 71	93 71	92 70	94 70	94 71	93 71	92 71	94 71	96 71	98 71	98 71	94 71	91.2 71.2	
CONWAY	MAX MIN	91 68	91 69	92 69	91 69	89 72	91 72	93 73	94 73	95 73	97 73	95 73	93 74	86 73	86 73	93 70	87 70	85 69	94 70	95 71	93 71	92 70	94 70	94 71	94 71	93 71	92 71	94 71	97 71	98 71	99 71	95 71	92.9 71.8	
CORNING	MAX MIN	92 72	92 72	96 72	92 67	95 67	92 71	93 72	95 72	97 73	95 72	93 69	92 68	92 68	86 73	86 73	88 72	91 69	92 69	89 70	92 70	94 70	94 71	92 71	92 71	92 71	94 71	96 71	97 71	97 71	94 71	92.8 72.9		
CROSSETT 7 S	MAX MIN	90 65	92 64	92 65	93 68	93 71	93 71	95 70	95 70	98 71	96 71	97 71	96 71	91 74	80 72	85 72	82 69	87 71	89 70	91 65	95 65	92 72	88 70	91 70	92 71	92 71	95 72	96 72	96 72	94 72	93 72	92.1 70.3		
CUMMINS FARM	MAX MIN	89 67	90 68	93 68	89 67	92 67	93 67	94 72	95 72	96 71	96 71	95 72	92 73	81 73	81 73	89 72	86 72	88 70	92 68	94 68	92 68	89 72	92 72	93 72	93 72	94 71	95 71	96 71	96 71	96 71	96 71	70.9		
DAOANELLE	MAX MIN	91 73	91 73	85 71	90 74	93 74	93 73	95 74	96 75	96 75	98 75	97 75	94 75	92 75	85 73	85 73	92 71	88 72	87 73	92 71	93 71	93 71	93 71	93 71	93 71	93 71	93 71	94 71	94 71	95 71	96 71	97 71	92.7 73.1	
DE QUEEN	MAX MIN	94 68	93 69	94 68	97 66	96 69	98 68	98 71	99 71	100 71	102 70	99 69	96 70	95 68	94 68	94 68	86 66	86 67	91 67	94 66	96 65	97 65	94 69	94 69	96 69	96 69	97 69	98 69	100 69	99 70	99 70	96 70	92.0 69.0	
OES ARC	MAX MIN	90 68	89 68	92 69	93 69	91 70	93 70	95 70	95 70	97 70	95 70	93 70	90 72	86 72	86 72	89 72	88 69	89 69	92 69	90 70	95 70	93 70	92 70	94 70	94 70	93 70	92 70	94 70	96 70	98 70	97 70	95 70	91.2 71.2	
DEVILS KNOB	MAX MIN	83 66	83 66	83 67	84 65	84 65	85 67	86 70	88 70	88 70	87 70	88 71	81 73	81 73	86 69	86 69	84 68	76 67	81 66	88 66	88 66	88 66	89 66	86 66	86 66	87 66	88 66	88 66	89 66	89 66	89 66	89 66	86.4 69.1	
OUMAS 1	MAX MIN	94 69	94 69	91 69	95 70	97 71	97 71	96 71	98 71	100 71	101 71	98 71	95 75	91 74	82 74	82 74	89 74	85 74	91 74	96 74	99 74	90 73	91 73	93 73	94 73	94 73	97 73	98 73	99 73	99 73	99 73	94 73	94.3 72.5	
EL DORADO CAA AP	MAX MIN	93 67	91 68	93 69	93 71	93 71	92 72	93 72	94 72	94 73	99 73	96 74	95 74	90 74	82 74	86 74	87 74	89 74	89 74	92 74	95 74	94 74	92 74	92 74	92 74	93 74	93 74	94 74	95 74	96 74	96 74	95 74	92.8 71.7	
EUREKA SPRINGS	MAX MIN	89 67	89 67	88 60	90 61	90 61	90 62	92 62	92 63	94 64	95 64	91 69	86 69	86 69	82 65	82 65	90 66	92 66	92 66	90 66	92 66	93 66	91 66	93 66	92 66	94 66	95 66	95 66	95 66	97 66	97 66	92 66	91.0 68.4	
FAYETTEVILLE	MAX MIN	89 70	89 71	90 71	91 71	92 71	93 71	94 71	94 71	94 71	91 66	89 66	89 66	89 66	82 66	82 66	82 66	82 66	91 66	91 66	92 66	91 66	91 66	91 66	91 66	91 66	91 66	92 66	93 66	94 66	95 66	96 66	91.3 70.2	
FAYETTEVILLE CAA AP	MAX MIN	87 69	87 69	88 67	89 67	90 67	92 67	92 67	92 67	93 67	93 67	89 66	88 66	83 66	83 66	83 66	89 66	89 66	91 66	92 66	93 66	93 66	93 66	93 66	93 66	93 66	93 66	94 66	94 66	95 66	95 66	95 66	92.0 68.0	
FAYETTEVILLE EXP STA	MAX MIN	87 67	88 67	89 68	90 66	91 66	92 66	94 66	94 66	95 66	91 67	91 67	91 67	86 65	82 65	82 65	91 66	91 66	93 66	92 66	91 66	93 66	92 66	91 66	91 66	91 66	91 66	92 66	93 66	95 66	97 66	97 66	91.8 68.2	
FLIPPIN CAA AP	MAX MIN	91 70	93 68	89 67	92 68	92 68	93 68	94 68	96 68	97 68	98 68	94 68	93 68	83 67	84 67	84 67	89 67	84 67	86 67	93 67	95 67	92 67	92 67	92 67	92 67	92 67	92 67	92 67	94 67	95 67	96 67	98 67	93.1 69.7	
FOROYCE 6 W	MAX MIN	86 68	92 70	94 67	66 67	67 72	66 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	67 72	93.5 71.0	
FORT SMITH WB AP	MAX MIN	95 71	93 72	89 72	93 71	94 71	96 71	98 71	98 71	98 71	99 71	97 71	95 71	92 71	92 71	92 71	94 71	88 71	88 71	94 71	97 71	94 71	92 71	92 71	94 71	94 71	95 71	98 71	99 71	100 71	101 71	98 71	95.6 72.9	

DAILY TEMPERATURES

ARKANSAS
JULY 1955

Table 5-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		
HOT SPRINGS 1 NNE	MAX	88	90	90	93	93	95	95	97	99	98	101	95	95	82	89	88	86	85	92	95	93	88	93	93	93	93	95	98	98	98	100	96
	MIN	71	70	72	69	73	76	75	76	77	77	74	76	75	73	72	71	69	70	70	72	73	71	69	72	71	75	77	75	78	77	75	
JONESBORO	MAX	91	91	96	95	93	93	93	94	97	95	92	90	89	84	91	90	86	89	93	93	87	91	91	95	94	95	98	97	95	93	93	
	MIN	70	72	71	71	66	70	69	74	74	76	73	72	75	73	69	69	71	71	73	75	74	72	71	73	71	76	75	78	77	71		
KEO	MAX	88	93	91	91	94	93	95	95	97	98	95	93	92	88	93	89	87	89	93	94	92	89	92	96	95	95	96	96	96	96	92	
	MIN	67	67	70	68	70	70	71	71	71	70	71	75	70	71	75	70	70	68	69	71	72	71	71	74	70	72	72	73	75	74		
LEAO HILL	MAX	90	92	90	93	91	93	93	94	96	98	95	93	93	84	94	90	86	91	95	95	90	95	92	93	95	96	97	98	100	99	95	
	MIN	68	69	67	66	65	66	69	71	69	68	68	66	65	72	67	67	65	69	67	69	68	70	70	68	71	69	68	70	71	73	73	
LITTLE ROCK WB AP	MAX	90	92	90	90	92	94	95	95	97	99	95	93	90	87	93	88	86	88	93	96	92	90	93	94	95	96	98	98	97	94	93	
	MIN	69	69	71	70	72	73	73	75	74	76	77	78	77	74	72	72	70	70	71	74	72	71	72	72	71	74	76	78	80	79	76	
MAGNOLIA 3 N	MAX	90	90	91	91	92	93	93	93	94	97	97	95	90	85	88	87	82	89	93	93	94	90	91	92	97	94	96	96	97	97	91	
	MIN	69	69	68	69	70	72	72	72	72	70	72	74	72	73	73	73	70	68	68	69	71	69	70	73	72	73	72	73	73	72		
MALVERN	MAX	89	91	91	94	95	94	95	95	98	98	97	95	93	84	93	89	88	97	95	95	95	94	93	94	94	96	97	99	99	98	95	
	MIN	68	66	67	70	70	70	71	71	71	71	73	76	74	72	70	70	69	69	70	70	70	72	70	71	70	71	71	72	72	74	74	
MAMMOTH SPRING	MAX	93	95	94	94	94	93	95	96	94	98	95	92	91	85	84	92	84	89	97	95	94	92	94	86	92	95	97	98	97	94		
	MIN	68	67	67	67	65	67	67	65	69	68	69	69	68	69	62	66	68	69	68	70	68	68	69	72	68	70	70	71	73	70		
MARIANNA 2 S	MAX	92		93	93	92	90	91	91	93	95	97	94	91	88	80	88	85	85	85	91	94	91	89	95	91	93	95	96	97	93		
	MIN	68	69	69	68	68	68	68	73	72	74	73	74	73	73	73	73	70	69	70	71	70	73	68	71	73	70	73	73	74	73		
MARKED TREE	MAX	91	92	95	95	95	93	95	95	95	98	96	94	92	90	82	92	90	88	91	94	95	90	92	90	93	95	97	97	96	95		
	MIN	69	70	71	71	67	68	69	71	72	75	74	70	73	72	73	71	71	70	72	72	71	69	71	70	70	74	75	75	76	76	74	
MARSHALL	MAX	88	89	89	89			94	95	95	93	90	88	85	92	89	86	83	90	93	90	92	94	91	93	93	93	95	95	95	90		
	MIN	70	70	67	67			67	68	69	67	68	67	67	63	66	67	66	67	68	69	67	67	69	69	71	69	73	73	69			
MENA	MAX	89	89	90	92	93	94	94	95	97	97	95	92	91	86	90	85	83	88	90	91	93	91	87	90	91	91	93	94	96	93		
	MIN	71	71	70	68	72	72	73	73	74	73	70	73	72	71	69	69	71	70	68	69	69	67	67	69	67	67	69	69	72	72		
MONTICELLO 3 S	MAX	91	92	93	93	95	95	94	95	97	99	100	95	90	80	88	89	87	92	92	95	93	90	92	92	94	96	97	96	94	97		
	MIN	67	68	67	70	67	73	73	74	73	65	76	75	69	69	72	73	71	69	67	68	74	67	68	74	71	70	71	73	73	73		
MORRILTON	MAX	90	90	89	90	91	94	95	95	97	98	95	93	90	87	94	91	86	89	93	95	93	92	95	97	95	97	97	100	100	96		
	MIN	69	69	70	70	71	71	71	76	71	72	72	75	75	74	71	70	69	69	71	71	73	70	70	71	69	71	71	73	76	74		
MOUNT 10A	MAX	90	90	90	90	92	92	93	94	95	96	98	97	92	90	86	91	86	81	90	90	93	95	93	93	93	94	96	96	97	97		
	MIN	73	72	67	65	68	67	65	76	71	68	68	69	67	73	69	70	69	70	66	67	68	69	69	70	67	68	68	69	72	69		
MOUNT MAGAZINE	MAX	83	80	81	83	82	83	85	87	87	92	86	84	83	79	85	81	80	80	82	88	86	87	85	85	85	88	89	90	85			
	MIN	65	65	65	65	68	68	70	69	70	63	71	76	69	67	68	65	62	66	67	65	67	61	69	71	67	70	69	76	71			
MOUNTAIN HOME	MAX	89	90	88	90	90	90	92	94	95	96	96	94	92	93	90	87	82	87	90	93	92	91	92	88	94	94	96	97	93			
	MIN	68	67	67	68	66	67	68	71	69	70	70	71	68	69	67	65	66	67	70	70	70	60	60	60	76	71	73	72	74	72		
MOUNTAIN HOME C OF ENG	MAX	87	89	89	87	91	90	91	92	94	95	97	93	91	90	84	94	89	83	87	93	95	90	92	94	93	94	96	98	96	96		
	MIN	74	67	68	69	68	68	68	71	70	72	70	72	68	74	69	66	66	68	71	70	72	70	70	73	69	70	70	72	73	75		
NARROWS OAM	MAX	69	60	67	65	67	67	67	68	68	68	70	71	70	74	70	70	69	68	65	67	67	70	69	69	69	68	68	70	73	72		
	MIN	69	60	67	65	67	67	67	68	68	68	70	71	70	74	70	70	69	68	65	67	67	70	69	69	69	68	68	70	73	72		
NASHVILLE PEACH SUBSTA	MAX	92	92	90	90	93	95	96	96	96	97	100	100	95	97	90	89	85	85	87	90	93	95	92	90	91	94	95	96	98	97		
	MIN	69	69	68	67	68	68	70	70	70	70	74	76	74	74	70	67	68	69	67	69	70	72	69	70	70	69	70	72	73	74		
NEWPORT	MAX	94	95	97	98	92	96	96	96	98	98	96	96	92	85	94	92	89	92	94	96	94	93	95	93	97	98	100	100	97	96		
	MIN	68	70	72	68	67	70	69	71	70	73	71	72	73	73	72	72	71	77	70	71	71	73	70	73	70	73	73	73	76	75		
NIMROO OAM	MAX	90	91	93	90	92	93	93	95	97	99	100	98	95	93	87	94	90	88	85	93	96	96	95	96	96	95	96	97	98	99		
	MIN	70	69	68	68	70	70	70	75	71	70	70	70	72	68	68	69	69	68	67	70	70	69	68	71	68	70	69	71	73	74		
OKAY	MAX	92	93	92	94	95	96	97	96	97	100	99	98	96	91	88	88	86	88	93	94	95	94	91	93	95	96	98	98	98	95		
	MIN	71	71	69	68	71	73	74	74	73	72	72	73	72	75	70	70	71	71	69	70	70	73	70	72	73	72	72	73	74	72		
OZARK	MAX	91	92	92	94	92	94	91	97	98	100	100	97	94	89	94	94	87	89	92	93	97	92	92	97	97	97	99	101	101	97		
	MIN	69	71	70	69	68	70	72	71	76	72	71	72	70	72	67	68	67	71	78	69	70	69	70	70	69	70	70	72	73	75		
PARAGOULO	MAX	92	93	94	95	90	93	91	92	96	95	92	91	89	86	89	89	89	87	92	93	91	91	90	90	92	94	97	97	96	94		
	MIN	67	68	68	69	64	68	69	73	72	73	72	68	68	73	67	68	67	67	71	72	71	71	70	70	70	74	72	75	75	71		
PARIS	MAX	95	93	92	95	91	94	98	99	99	98	98	96	95	90	94	95	88	90	94	96	97	96	95	97	95	100	99	99	100	100		
	MIN																																

DAILY TEMPERATURES

ARKANSAS
JULY 1955

Table 5 - 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	
STUTT GART 9 ESE	MAX	89	89	91	92	90	90	92	93	95	96	98	99	93	87	81	89	85	85	87	91	94	91	88	89	92	93	94	95	95	96	96	91.5
	MIN	69	70	72	69	70	70	71	74	72	73	73	75	73	73	74	70	70	70	70	71	72	71	71	74	72	74	74	75	75	75	73	72.1
SUBIACO	MAX	93	93	92	93	91	93	97	98	97	97	97	95	94	90	94	93	91	90	94	95	97	95	97	96	96	98	99	101	102	103	100	95.5
	MIN	71	72	70	69	69	71	72	77	72	73	71	74	72	72	71	71	70	69	70	69	71	69	70	72	69	71	72	72	74	76	73	71.4
TEXARKANA WB AP	MAX	91	90	91	91	92	93	94	95	95	98	98	96	94	92	86	85	85	90	92	93	94	91	91	92	93	94	95	97	95	97	94	92.7
	MIN	71	70	71	70	71	72	74	74	74	72	73	75	73	72	70	70	70	70	69	71	72	70	71	73	75	73	75	76	75	76	74	72.3
TURNPIKE	MAX	92	91	84	85	85	85	87	89	91	89	89	85	80	76	83	79	78	80	87	90	84	83	85	84	87	88	90	91	92	91	89	86.1
	MIN	76	75	66	67	66	64	69	69	71	68	70	68	68	69	66	66	66	67	67	66	66	66	68	66	67	70	73	75	74	75	70	68.8
WALDRON	MAX	94	93	92	96	95	94	98	99	100	102	97	95	95	91	95	93	90	92	97	98	97	98	95	97	99	99	101	101	103	101	98	96.6
	MIN	72	71	67	65	67	68	69	71	69	68	66	67	65	69	67	66	68	70	64	67	67	70	66	67	67	69	67	68	72	71	69	68.0
WALNUT RIOGE CAA AP	MAX	90	93	93	94	91	89	90	93	96	95	94	92	90	80	92	89	85	88	92	92	87	90	92	85	94	95	97	98	98	95	93	91.7
	MIN	71	71	71	69	68	71	71	74	74	74	72	71	75	72	69	69	73	72	71	74	73	71	72	72	71	76	75	75	78	77	74	72.5
WARREN	MAX	91	93	94	94	95	95	97	97	98	100	98	96	91	82	92	89	89	92	93	96	89	93	93	94	95	97	99	97	97	93	94.1	
	MIN	66	66	67	71	71	71	73	73	73	74	75	75	72	74	73	72	71	70	68	69	72	71	70	70	74	75	76	74	75	74	71.9	
WHITE ROCK	MAX	82	82	83	85	86	87	88	89	89	89	91	86	87	79	86	81	74	76	85	87	89	88	89	88	88	89	90	91	91	93	88	86.3
	MIN	70	73	74	66	66	70	70	70	72	73	74	71	71	69	69	67	66	65	67	68	73	69	70	71	68	73	70	74	75	74	71	69.7
WILSON	MAX	90	93	94	93	90	95	91	92	96	95	94	93	90	91	91	89	87	91	93	95	89	89	88	88	92	96	96	97	96	94	92	92.3
	MIN	70	73	74	75	69	71	73	74	74	74	73	73	72	72	72	70	75	69	72	72	71	72	73	73	75	75	73	74	75	77	72.9	
WYNNE	MAX	90	91	91	90	91	92	92	92	95	97	93	90	87	80	90	87	87	86	92	93	90	88	90	91	93	94	96	97	96	93	90	91.1
	MIN	71	71	72	74	68	66	70	74	72	73	70	73	72	72	71	70	71	71	72	71	72	68	70	73	70	73	73	73	74	72	74	71.5

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	.36	*	*	.77	.20	.38	.36	.30	*	*	.97	.34	.33	.15	.22	*	*	.56	.29	.11	.31	.20	*	*	.72	.34	.37	.32	.30	-	-	8.448
	WIND	.96	*	*	158	36	71	75	84	*	*	171	57	53	47	40	*	*	158	35	36	38	38	*	*	136	64	62	37	26	-	-	16238
HOPE 3 NE	EVAP	.25	.22	*	.33	.20	.17	-	.31	.30	.26	.30	.34	.31	-	-	.15	-	-	.18	.12	.24	.33	.13	*	.44	.28	-	.24	.23	.22	-	7.178
	WIND	.27	.21	*	.20	.7	.17	.24	.26	.23	.14	.17	.42	.50	.30	.14	.17	.14	.4	.12	.6	.6	.23	.17	*	.26	.15	.8	.9	.14	.10	-	5308
MOUNTAIN HOME C OF ENG	EVAP	.26	.28	.25	.10	.18	.26	.19	.29	.29	.28	.29	.31	.30	.16	.09	.27	.17	.11	.12	.22	.25	.15	.24	.25	.15	.22	.27	.28	.30	.30	.25	7.08
	WIND	.44	.29	.34	-	.9	.13	.21	.18	.19	.10	.14	.25	.29	.15	.12	.20	.12	.9	.20	.16	.13	.11	.10	.10	.20	.15	.19	.12	.11	.9	.15	5318
NARROWS DAM	EVAP	.30	.25	.23	.21	.18	.31	.34	.37	.32	.36	.34	.35	.27	.20	.17	.20	-	.12	.19	.28	.27	.28	.18	.10	.31	.39	.28	.30	-	.22	.45	8.318
	WIND	.52	.35	.30	.17	.17	.25	.29	.39	.36	.30	.36	.32	.31	.20	.20	.26	.19	.16	.25	.20	.3	.30	.26	.15	.25	.24	.18	.17	.12	.11	.25	761
NIMROD DAM	EVAP	.24	.27	.18	.08	.17	.24	.18	.27	.29	.26	.28	.24	.24	.15	.13	.24	.18	.13	.13	.19	.29	.24	.23	.26	.30	.25	.29	.27	.28	.19	6.97	
	WIND	.38	.26	.15	.9	.7	.7	.9	.11	.9	.6	.13	.14	.10	.6	.4	.10	.7	.4	.7	.5	.8	.6	.4	.9	.9	.10	.7	.7	.9	.8	.22	601
RUSSELLVILLE	EVAP	.26	.27	.10	.10	.23	.24	.28	.28	.29	.27	.29	.25	.14	.11	.18	.16	.19	.13	.18	.21	.19	.13	.16	.31	.16	.30	.26	.23	.27	.24	.32	6.73
	WIND	.11	.12	.9	.7	.7	.7	.9	.11	.9	.6	.13	.14	.10	.6	.4	.10	.7	.4	.7	.5	.8	.6	.4	.9	.9	.10	.7	.7	.9	.8	.22	267
STUTT GART 9 ESE	EVAP	.24	.21	.12	.29	.13	.14	.21	-	.30	.20	.28	.16	-	.09	.06	.20	.11	.11	.10	.21	.24	.09	.30	.05	.21	.20	.25	.22	.22	.18	.18	5.678
	WIND	.50	.23	.10	.19	.11	.17	.46	.49	.47	.2	.29	.35	.26	.36	.91	.74	.58	.62	.20	.17	.15	.13	.19	.23	.34	.33	.18	.10	.6	.12	.16	921

STATION INDEX

ARKANSAS
JULY 1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observer	Refer to tables					
																		Temp.	Precip.	Temp.	Precip.	
Abbot	0006	Scott	1 35 04	94 12	624	7A James V. Williams	3	Lurton	4386	Newton	7 35 46	93 05	215	8A Lola L. Doller	3							
Alicia	0064	Lawrence	7 35 54	91 05	256	7A Ruby B. Owens	3	Wadion	4528	St. Francis	5 30 00	90 43	200	7A Paul L. Smith	3							
Alus Fork	0130	Saline	3 34 47	92 52	755	SP L. R. Water Works	2 3 5	Magallana 3 N	4548	Columbia	4 33 19	93 14	315	6P 7A Earl E. Graham	2 3 5 7							
Anity 3 NE	0136	Yell	3 34 47	93 29	854	7A Gurn B. Swain	3	Magallana 5 N	4550	Columbia	4 32 20	93 13	300	MID Ark. Pwr & Lgt Co.	3							
	0150	Clark	3 34 17	93 25	-	7A Mrs. Alta F. Garner	3	Hot Spring	4562	Hot Spring	3 34 23	92 49	311	SP Walvern Fire Dept.	2 3 5							
Antoine	0178	Pike	3 34 02	93 25	285	8A Drew A. Lamb	3	Wamoth Spring	4572	Fulton	7 36 29	91 32	690	SS 7A John B. McKee	2 3 5 7							
Applin 1 W	0188	Berry	1 34 58	93 00	400	7A Robert Watto	3	Marianna 2 S	4635	Lee	7 36 04	90 45	230	8A Univ. of Arkansas	2 3 5 7							
Appleton	0186	Pepe	1 35 25	92 53	522	MID John A. Jones	3	Marked Tree	4654	Polk	5 35 32	90 35	229	7A William M. Crick	2 3 5 7							
Arkadelphia	0220	Clark	3 34 07	93 03	200	6P Rillmon E. Lawrence	2 3 5	Marshall	4666	Searcy	7 35 54	92 36	1050	SS 7A Mrs. Winnie Barton	2 3 5							
Arkansas City	0234	Desha	2 33 37	91 12	145	8A Jobn W. Trammell	3	Marshall	4678	Phillips	7 34 33	90 55	185	8A Sterling Wallace	3							
Ashdown	0286	Little River	4 33 40	94 08	329	7P 7A Southern G. & E	2 3 5	Maunee	4696	Searcy	7 36 03	92 39	749	MID Verne N. Davenport	3							
Athens	0300	Howard	4 34 19	93 58	960	7A Arra D. Parker	3	McDoune	4746	Isard	7 36 04	91 54	610	7A Ivan L. Shrador	3							
Augusta	0326	Woodruff	7 35 17	91 22	218	7A David G. Griffiths	3	Mena	4756	Polk	3 34 35	94 15	1207	6P 7A E. W. St. John	2 3 5 7							
Bald Knob	0350	White	7 35 18	91 34	230	6P 6P Univ. of Arkansas	2 3 5	Monticello 3 S	4800	Drew	3 33 51	94 48	285	SP Arknsas A. & M. Col.	2 3 5 7							
Batesville Livestock	0458	Independence	7 35 49	91 47	571	9A Univ. of Arkansas	3	Montrose	4906	Ashley	3 33 51	91 29	125	MID Ark. Pwr & Lgt Co.	2 3 5 7							
Batesville L & D 1	0460	Independence	7 35 45	91 36	277	SP 7A James J. Mitchell	2 3 5															
Beary Creek Lake	0536	Jackson	7 34 43	90 43	220	MID W. W. Forest Service	3															
Beary Lake	0512	St. Francis	5 35 05	90 43	400	SP L. G. Adanson	3															
Beaver	0518	Carroll	7 36 28	93 46	930	7A B. E. Skilton	3															
Bebe	0530	White	7 35 04	91 53	250	MID Lowell E. Perkins	3															
Beech Grove	0534	Greene	7 36 09	90 38	298	8A B. B. Dammond	3															
Benedictville	0566	Jackson	7 34 26	91 06	221	8A P. B. Breckinridge	3															
Benton	0582	Saline	6 34 33	92 37	285	8A Mrs. Etta C. Burks	2 3 5															
Bentonville	0586	Benton	1 36 22	94 13	1230	7A Earle L. Browne	2 3 5															
Berryville 4 NW	0618	Carroll	7 36 26	93 37	1150	7A James C. Hayes	3															
Big Flat	0662	Baxter	7 36 00	92 24	1250	7A CLOSED - - -	1/1/55															
Big Fork	0684	Polk	3 34 29	93 08	1100	7A Anna M. Liles	3															
Big Lake Outlet	0676	Mississippi	5 35 51	90 08	238	6P N. W. Douglas	3															
Black Rock	0746	Lawrence	7 35 07	91 06	258	7A Lisa W. McCortney	3															
Blackly Mountain Dam	0784	Garland	3 34 36	93 11	426	8A Corps of Engineers	3															
Blue Mountain Dam	0798	Yell	1 35 06	93 39	455	MID Corps of Engineers	3															
Bluff City	0800	Nevada	3 33 41	93 09	365	7A Paul M. Adams	3															
Blytheville	0806	Mississippi	5 35 56	89 55	252	7A R. R. Blythe	2 3 5 7															
Booneville	0830	Logan	1 35 09	93 55	511	7A Cleo E. Vandell	2 3 5															
Botkinburg	0842	Vn Buren	7 35 39	92 30	1200	MID Thomas W. Pearson	3															
Boughton	0848	Nevada	3 33 52	93 20	235	7A Iris Elmore Wicker	3															
Bradford	0872	White	7 35 25	91 28	240	7A Marshall Blackmon	3															
Brinkley	0936	Monroe	1 34 54	91 10	205	SP Carl L. Riddell	2 3 5 7															
Buffalo Tower	1010	Newton	7 35 52	93 30	210	7A Souah F. Fowler	3															
Bull Shoals Dam	1020	Baxter	7 36 22	92 34	460	MID Corps of Engineers	3															
Burdette	1052	Mississippi	2 35 49	89 57	240	6P G. A. Hole	3															
Cabot 4 SW	1102	Pulaski	7 34 57	92 04	289	SP B. W. Walker	3															
Calico Rock	1132	Isard	7 36 02	92 08	1000	7A Harry D. Riddle	3															
Canden 1	1152	Ouachita	3 33 36	92 49	116	7A John W. Knight	2 3 5															
Canden 2	1154	Ouachita	3 33 35	92 51	155	MID Edith Z. Lehman	3															
Camp Chiffee	1172	Sebastian	1 35 18	94 18	419	8A U. S. Army	2 3 5															
Cassan	1188	Searcy	7 35 52	92 44	-	MID Froyey Dell Horton	3															
Carlisle 1 SW	1238	Garland	3 34 47	91 45	235	8A John L. Tait	3															
Carpenter Dam	1238	Garland	3 34 47	91 18	172	MID Ark. Pwr & Sgt Co.	3															
Clarendon	1442	Monroe	7 34 41	91 18	172	7A B. F. Norther	3															
Clarksville	1455	Johnson	1 35 28	93 28	436	6P 6P Dr. Irving F. Beach	2 3 5															
Clinton	1492	Vn Buren	7 35 35	92 28	310	7A Earl B. H. Riddle	3															
Cold Springs	1520	Scott	1 34 47	91 45	235	7A Margaret Zornes	3															
Cochs 3 SE	1574	Madison	7 35 48	93 48	1400	MID Maude C. Brunshears	3															
Copston	1582	Newton	7 36 06	93 18	2166	MID William L. Bizan	3															
Coway	1596	Faulkner	1 35 05	92 27	309	SP 5P G. Y. Short	2 3 5															
Corning	1622	Clay	7 36 17	92 31	440	7A Mrs. Laura Polk	2 3 5 7															
Cotter	1640	Baxter	7 36 17	92 31	440	7A Robert T. Fielding	3															
Cove	1666	Polk	4 34 26	94 25	1050	7A Joe C. Allen	3															
Crossett 7 S	1750	Ashley	3 33 02	91 56	175	SP Univ. of Forest Service	2 3 5															
Crysal Valley	1750	Pulaski	1 34 42	92 26	350	7A Virda Ford	2 3 5															
Cummins Farm	1776	Liflan	1 34 48	91 35	176	SP Cuminis Prison Farm	2 3 5															
Daisy	1814	Pike	3 34 14	93 45	629	7A Fern Jones Tedder	3															
Danascus	1829	Faulkner	1 35 22	92 25	705	7A William A. Brown	3															
Danville	1834	Yell	1 35 03	93 24	370	7A J. A. Moudy	3															
Dardanelle	1838	Yell	1 35 13	93 08	330	6P 7A Gretchen Goodier	2 3 5															
De Quec	1948	Sevier	4 34 02	94 21	420	7A D. Tucker Wassner	2 3 5 7															
Denver 7 E	1956	Bono	7 36 23	93 18	1028	MID Clarence E. Collins	3															
Dermott	1980	Chicot	2 33 31	91 26	140	8A L. W. Wilcox	3															
Des Arc	1988	Prairie	7 34 58	91 30	294	7A C. J. Rister	2 3 5															
Devils Knob	1992	Johnson	1 35 43	93 24	2350	7A Earnest C. Campbell	2 3 5															
Dumas 1	2148	Desha	2 33 53	91 30	162	7P Ben Johnson	2 3 5 7															
Dumas 2	2150	Desha	2 33 53	91 30	165	MID Ark. Pwr & Lgt Co.	3															
Dumas 3	2176	Washington	7 35 37	93 59	1243	MID Goldie G. Boyd	2 3 5															
Eagle Gap	2204	Scott	1 34 43	93 19	1150	8A Maxine M. Lepper	3															
El Dorado CAA AP	2308	Union	3 33 13	92 48	252	MID W. U. S. Civil Aero Adm	2 3 5 7															
Eureka Springs	2356	Carroll	7 36 24	93 44	1465	6P Wabel F. Spray	2 3 5 7															
Evening Shade	2366	Sharp	7 36 05	91 37	490	7A Opha Wolfe	3															
Fayetteville Washington	2442	Washington	7 36 05	94 10	1253	7P Charles F. Ford	2 3 5															
Fayetteville CAA AP	2443	Washington	7 36 00	94 10	1253	MID W. U. S. Civil Aero Adm	2 3 5 7															
Fayetteville Exp. Sta.	2444	Washington	7 36 06																			

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

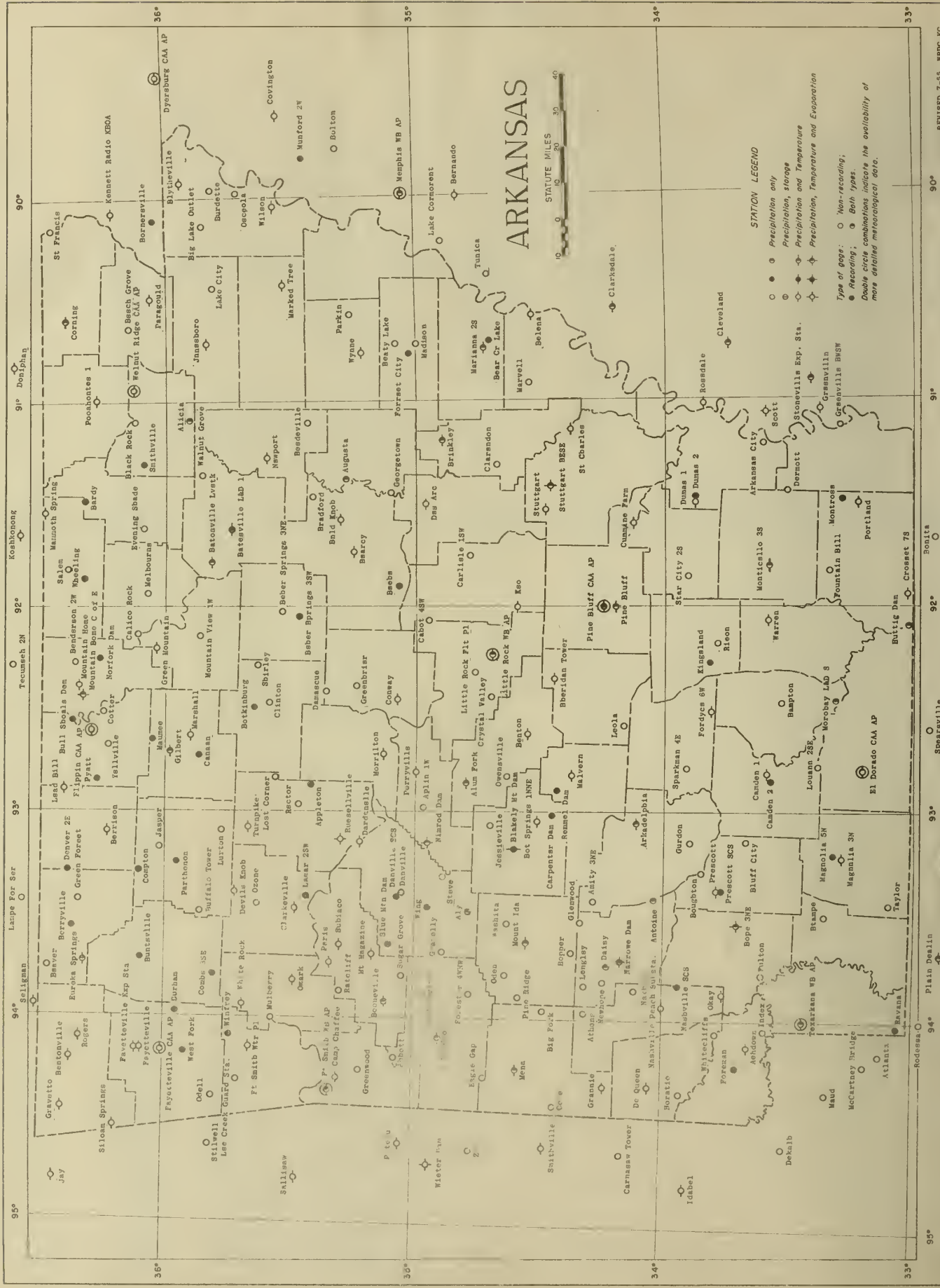
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 9-7-55 -- 1005



ARKANSAS

STATUTE MILES
0 10 20 30 40

STATION LEGEND

- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - ◆ Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording;
● Recording;
○ Both types.
Double circle combinations indicate the availability of more detailed meteorological data.

557-05
UNAR
1.60⁸

NAT. INST

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

U. S. Department of Commerce
WEATHER BUREAU
NWRC - Asheville, N. C.

OFFICIAL BUSINESS
Permit No. 1024

Penalty for private
use to avoid pay-
ment of postage
\$300.

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

AUGUST 1955
Volume LX No. 8

THE LIBRARY OF THE
COPIED 1955



ASHEVILLE: 1955

Not
File

ARKANSAS - AUGUST 1955

WEATHER SUMMARY

Temperatures averaged slightly cooler than normal during August. Rainfall averaged three-fourths of normal. The weather was, in general, favorable for crop development over most of the State although some areas, especially in the northeast, were getting quite dry at the close of the month. Rain was needed for late crops and pastures and for seeding winter grains and cover crops.

Temperatures remained near normal during the first decade. A cool spell lasted from the 11th to 18th and was followed by a warm spell which continued until the 29th. The last two days were cool. Most stations registered their highest temperatures during the first week or during the period of the 19th to 23d. Maximums ranged from the low 90's at a few high elevation stations to slightly over 100° at a few widely separated stations. The highest temperature for the month was 102° at Booneville on the 7th and at Ozark, Stuttgart, and Subiaco on the 22d. Most stations registered their lowest temperatures on the 13th, 14th, or 31st. Minimums were mostly in the 50's except in the southeast where they were mostly in the low 60's. The lowest temperature for the month was 49° at Lead Hill on the 13th. Monthly mean temperatures ranged from 74.8° at Mount Magazine to 82.5° at Stuttgart. Monthly means were below normal over most of the State. Temperatures averaged slightly above normal only in the northeast corner of the State, at several stations in the east central part, and at Russellville and Camden 1.

Scattered showers occurred on several days during the month. In general, the showery days were the 3d to 7th, 14th, 20th, 22d, and 25th to 31st. The monthly amounts were quite unevenly distributed over the State, ranging from 0.08 inch at Burdette to 8.38 inches at Langley. A number of stations in the northeast part of Arkansas received less than an inch of rain during the month while many stations in the western and southern part and a few in the east central received more than 3.00 inches. August rains totaled over 5.00 inches at a few stations in the east central, extreme southeast, and west central. The amounts that fell in the extreme northeast were about 3.00 inches less than normal for that area. Less than normal amounts occurred at many other stations. A few counties in southern and southwestern Arkansas received more than their August normal amounts. Northeastern Arkansas received too little rain for growing crops during August. In most other areas the weather was favorable for crop development. The early corn received enough rains and all areas reported excellent yields. Late corn suffered from lack of rainfall and the crop was not so good. Soybean prospects declined during the month because of dry weather. Rice prospects remained unchanged and the total cotton production was expected to be slightly less than the 10-year average production. Pastures needed rain and the sowing of fall grains was delayed by dry weather. Farm activities at the end of August included corn harvest, silo filling, and haying.

There were no severe windstorms, hailstorms, or tornadoes in Arkansas during August. Lightning, however, caused considerable property damage and was responsible for the death of two citizens.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
AUGUST 1955

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	0.1-0.9	1.0-4.9	5.0-9.9	10.0-19.9	20.0 and over			Total
FORT SMITH WS AIRPORT	ENE	29	6.6	23	NE	1	82	91	52	52	4	3	1	4	0	0	12	67	4.8
LITTLE ROCK WS AIRPORT	ENE	13	8.3	28	E	2	81	84	53	57	3	4	2	1	0	0	10	62	5.1
TEXARKANA WS AIRPORT	-	-	-	-	-	-	-	-	-	-	4	2	4	2	1	0	13	-	-

COMPARATIVE DATA

AUGUST

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	76.4	103	39	2.75	0	1916	31.3	107	46	2.63	0	1941	80.7	107	50	3.94	0
1892	78.3	106	47	4.39	0	1917	77.1	104	43	4.10	0	1942	78.8	106	53	6.96	0
1893	77.3	102	43	3.08	0	1918	82.6	115	52	3.90	0	1943	84.6	113	45	1.03	0
1894	73.1	104	48	4.63	0	1919	30.6	113	55	4.29	0	1944	80.0	104	50	4.90	0
1895	79.4	102	55	2.64	0	1920	76.8	102	46	4.08	0	1945	78.9	104	48	3.16	0
1896	82.6	112	43	2.32	0	1921	81.5	106	56	5.46	0	1946	79.0	109	43	1.87	0
1897	79.6	111	45	2.59	0	1922	30.4	111	51	1.90	0	1947	84.5	111	56	2.20	0
1898	79.4	108	54	4.35	0	1923	81.9	109	49	2.43	0	1948	78.0	108	46	4.25	0
1899	82.2	112	54	2.04	0	1924	32.2	103	43	2.40	0	1949	77.7	104	42	3.11	T
1900	81.1	108	57	2.95	0	1925	80.3	103	47	1.81	0	1950	75.6	102	44	6.87	T
1901	80.5	109	52	2.95	0	1926	30.7	110	47	5.50	0	1951	81.5	109	50	2.75	T
1902	80.7	108	51	2.55	0	1927	76.6	105	43	6.01	0	1952	81.1	110	50	3.53	T
1903	76.7	105	47	4.34	0	1928	31.3	105	51	4.62	0	1953	79.6	106	45	1.59	T
1904	73.1	105	46	2.31	0	1929	80.8	110	41	1.29	0	1954	85.8	111	55	1.53	T
1905	78.1	103	51	3.73	0	1930	81.8	114	46	2.53	0	1955	79.4	102	49	2.66	0
1906	77.9	100	42	4.92	0	1931	76.7	103	42	4.71	0	All Years	80.1			3.51	T
1907	82.0	113	54	2.92	0	1932	81.5	104	47	1.73	0						
1908	79.3	103	52	4.43	0	1933	79.1	101	49	4.42	0						
1909	82.4	111	47	1.27	0	1934	34.3	116	43	2.75	0						
1910	79.2	104	43	3.92	0	1935	82.0	113	46	1.74	0						
1911	73.0	107	45	3.19	0	1936	35.0	120	43	0.44	0						
1912	78.7	105	45	3.30	0	1937	82.3	111	55	3.45	0						
1913	82.1	107	46	1.62	0	1938	83.2	109	54	2.26	0						
1914	78.5	104	57	6.31	0	1939	30.2	107	49	2.50	0						
1915	74.7	102	40	10.44	0	1940	77.7	104	45	4.96	0						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From No.	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			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	1.00 or More
HIGHLAND DIVISION																								
ALUM FORK	91.1M	67.9M	79.5M	- 0.3	95	6+	60	13+	0	21	0	0	0	0	4.69	0.41	2.00	11	0.0	0	0	9	4	1
ASHOOWN	92.5	69.1	80.8		100	22	58	14	0	24	0	0	0	1.63		0.85	3	0.0	0	0	4	1	0	
RENTON	91.1	67.0	79.1	- 0.8	98	7	57	14	0	18	0	0	0	2.13		0.64	24	0.0	0	0	6	2	0	
RENTONVILLE	89.9	62.0	76.0	- 1.9	96	28	57	13+	0	16	0	0	0	2.98	- 1.06	1.48	10	0.0	0	0	5	2	1	
ROONEVILLE	94.5	68.0	81.3		102	7	58	13+	0	25	0	0	0	2.94		1.42	8	0.0	0	0	6	1	1	
CAMP CHAFFEE	92.5	67.3	79.9		99	23	57	14+	0	23	0	0	0	4.46		1.79	30	0.0	0	0	4	4	1	
CLARKSVILLE	93.0M	66.5M	79.8M		99	31	56	31	0	0	0	0	0	1.52		0.95	23	0.0	0	0	4	1	0	
CONWAY	92.4	68.5	80.5	- 1.3	99	7	59	13	0	22	0	0	0	2.26	- 1.04	0.72	10	0.0	0	0	5	2	0	
OARGANELLE	91.6	69.4	80.5	- 0.6	99	22	57	12	0	23	0	0	0	1.32	- 2.22	0.61	4	0.0	0	0	4	1	0	
OE QUEEN	92.8	65.5	79.2	- 2.6	101	27	56	14	0	25	0	0	0	3.22	- 0.66	0.48	31	0.0	0	0	8	0	0	

CLIMATOLOGICAL DATA

ARKANSAS
AUGUST 1955

TABLE 2 - CONTINUED

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days Above 32° or Below 0°	No. of Days Max.	No. of Days Min.	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
																Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More		
																						No. of Days	
OEVLIS KNOR	85.5	67.1	76.3		95	22	59	31	0	7	0	0	2.37		0.95	24	0.0	0			6	1	0
EUREKA SPRINGS	90.6	65.3M	78.0M	- 0.8	98	27	55	13	0	16	0	0	1.29	- 3.40	0.73	10	0.0	0			3	1	0
FAYETTEVILLE	89.3	66.0	77.7		97	22	55	13+	0	15	0	0	3.32		1.14	23	0.0	0			7	3	0
FAYETTEVILLE CAA AP	88.7	62.6	75.7		96	22	51	31	0	16	0	0	2.67		0.55	10	0.0	0			7	4	0
FAYETTEVILLE EXP STA	89.2	62.8	76.0	- 2.6	96	22	52	31	0	18	0	0	3.55	- 0.41	0.89	10	0.0	0			7	7	0
FLIPPIN CAA AP	91.1	65.1	78.1		97	6	54	13+	0	21	0	0	2.44		1.20	23	0.0	0			4	1	1
FORT SMITH WB AP	92.4	69.3	80.9	- 1.2	99	22	59	31	0	24	0	0	2.83	0.21	0.84	4	0.0	0			5	4	0
FT SMITH WATER PLANT	90.5	62.8	76.7		97	22	53	16	0	10	0	0	7.16		2.15	29	0.0	0			6	5	3
GILBERT	90.3	65.0	77.7		97	21	53	31	0	17	0	0	2.64	- 1.34	1.11	8	0.0	0			6	2	1
GRANNIS	86.0	67.2	76.6	- 3.1	92	1+	60	14+	0	6	0	0	4.34	1.03	1.08	8	0.0	0			9	4	1
GRAVETTE	91.4	63.5	77.5	- 0.6	97	22+	52	13	0	20	0	0	3.67	- 0.35	1.23	29	0.0	0			5	4	2
GREEN MOUNTAIN	89.1	65.2	77.7		98	17+	58	14	0	15	0	0	3.94		2.90	24	0.0	0			5	1	1
HARRISON	89.6	62.7	76.2	- 1.6	96	22	50	31	0	17	0	0	3.86	- 0.29	2.03	8	0.0	0			5	3	1
HOPE 3 NE	90.7M	68.5M	79.6M	- 2.3	99	23	61	13+	0	19	0	0	3.15	- 0.13	1.22	12	0.0	0			7	2	1
HOT SPRINGS 1 NNE	92.3	70.1	81.2	- 0.5	98	7+	54	31	0	25	0	0	3.65	- 0.05	1.65	8	0.0	0			6	4	1
LEAO HILL	92.0	63.9	78.0	- 1.1	99	20+	49	13	0	23	0	0	3.08	- 0.79	2.70	23	0.0	0			2	1	1
LITTLE ROCK WB AP	90.9	71.8	81.4	0.1	97	21	65	14	0	18	0	0	1.22	- 1.93	0.59	8	0.0	0			3	1	0
MALVERN	92.2	68.4	80.3		97	7+	59	13	0	25	0	0	3.85		0.78	8	0.0	0			6	5	0
MAMMOTH SPRING	92.7	64.2	78.5	- 0.4	99	6-	52	14	0	25	0	0	0.99	- 3.03	0.57	19	0.0	0			3	1	0
MARSHALL	88.8M	63.1	76.0M	- 2.4	97	22	51	31	0	13	0	0	1.59	- 3.70	0.87	10	0.0	0			4	1	0
MENA	87.6	67.9	77.8	- 2.4	94	22	60	14	0	11	0	0	4.78	0.52	1.13	4	0.0	0			8	4	2
MORRILTON	92.7	68.7	80.7	- 1.0	100	22	60	14+	0	23	0	0	1.92	- 1.00	0.37	8	0.0	0			7	0	0
MOUNT IDA	90.2	64.8	77.5	- 2.1	98	23	57	13+	0	19	0	0	4.70	1.21	1.56	30	0.0	0			8	3	2
MOUNT MAGAZINE	82.6	66.9	74.8	- 1.1	90	22	58	31	0	1	0	0	2.46		1.35	8	0.0	0			5	1	1
MOUNTAIN HOME	90.7	66.7	78.7	0.0	95	6+	58	31	0	20	0	0	1.13	- 2.70	0.46	23	0.0	0			4	0	0
MOUNTAIN HOME C OF ENG	90.6	66.6	78.6		96	20	55	31	0	1	0	0	1.55		0.50	2	0.0	0			4	1	0
NARROWS OAM	91.3	67.7	79.9		100	23	60	14+	0	19	0	0	2.86		0.67	3	0.0	0			5	4	0
NASHVILLE PEACH SUBSTA	91.3	68.5	79.9		100	23	60	14+	0	20	0	0	2.91		0.55	4	0.0	0			8	2	0
NIMROD OAM	93.2	66.9	80.1		101	23	58	14	0	25	0	0	2.05		0.72	30	0.0	0			7	1	0
OKAY	92.1	69.3	80.7	- 2.1	99	21+	60	14+	0	24	0	0	4.24	- 1.45	1.25	30	0.0	0			7	4	1
OZARK	93.0	66.7	79.9	- 2.2	102	22	56	31	0	24	0	0	2.25	- 1.48	0.79	8	0.0	0			7	1	0
PARIS	94.0	67.5	80.8		101	22	57	13+	0	28	0	0	2.62		0.90	8	0.0	0			7	1	0
PERRYVILLE	92.3	66.6	79.5	- 0.1	99	5+	58	13+	0	21	0	0	2.39	- 1.66	0.55	23	0.0	0			6	1	0
ROGERS	87.6	66.9	77.3	- 0.5	93	21+	56	31	0	12	0	0	1.36	- 2.41	0.70	29	0.0	0			2	1	0
RUSSELLVILLE	92.5	68.5	80.5	0.1	98	22	59	13+	0	26	0	0	2.54	- 1.01	0.65	3	0.0	0			6	2	0
SHERIDAN TOWER	92.0	66.3	79.2		99	7	59	13	0	21	0	0	1.75		0.70	3	0.0	0			3	2	0
SILOAM SPRINGS	91.1	61.5	76.3		99	23	50	13	0	20	0	0	2.84		1.12	29	0.0	0			6	2	1
SUBIACO	94.5M	68.7M	81.6M	- 0.5	102	22			0	27	0	0	2.31	- 1.26	0.90	8	0.0	0			5	1	0
TEXARKANA WB AP	89.9	71.1	80.5	- 2.2	97	22	63	14	0	16	0	0	4.23	1.35	1.10	3	0.0	0			8	4	1
TURNPIKE	84.3	66.2	75.3		94	22	59	31	0	4	0	0	3.05	- 1.04	0.60	23	0.0	0			8	2	0
WALORON	93.4	64.2	78.8		100	7+	54	13+	0	24	0	0	1.81	- 1.25	1.00	8	0.0	0			4	1	1
WHITE ROCK	85.1	67.7	76.4		92	21	60	31	0	4	0	0	4.36		1.22	29	0.0	0			8	3	1
OIVISION			78.6	- 1.6									2.86	- 0.75			0.0						
DELTA DIVISION																							
ARKADOLPHIA	92.7	69.7	81.2	0.2	101	22	60	14	0	22	0	0	2.63	- 1.02	0.85	10	0.0	0			7	2	0
BALO KNOR	90.5	67.5	79.0		98	22	57	14	0	19	0	0	1.30		0.48	22	0.0	0			5	0	0
BATESVILLE LIVESTOCK	92.7	63.9	78.3		100	22	55	13	0	25	0	0	1.01		0.54	24	0.0	0			4	3	1
BATESVILLE L AND O NO 1	92.5	65.8	79.2		100	19	57	13+	0	24	0	0	3.10	- 1.01	1.27	11	0.0	0			2	1	0
BLYTHEVILLE	91.2	69.4	80.3		91	27	58	31	0	23	0	0	1.03	- 2.88	0.80	10	0.0	0			4	1	0
BRINKLEY	92.7	67.4	80.1	- 0.3	99	22	59	15	0	27	0	0	1.15	- 2.37	0.50	23	0.0	0			3	1	0
CAMDEN 1	92.9	69.4	81.2	0.4	100	23	61	25	0	22	0	0	2.72	- 0.10	1.06	12	0.0	0			7	2	0
CORNING	93.0M	67.9M	80.5M	- 1.9	98	21+	58	14	0	26	0	0	0.54	- 3.05	0.36	30	0.0	0			1	0	0
CROSSETT / S	92.1	68.7	80.4	- 1.2	98	22	58	14	0	24	0	0	2.80	- 0.41	1.57	30	0.0	0			4	2	1
CUMMINS FARM	91.0	68.2	79.6		97	7	60	13+	0	20	0	0	5.80		3.30	8	0.0	0			5	4	1
OES ARC	91.7	66.8	79.3		100	23	57	13	0	20	0	0	2.84		1.70	24	0.0	0			6	1	1
DUMAS 1	93.4	70.3	81.9	- 0.1	101	22	62	13	0	25	0	0	2.84	- 0.43	1.60	8	0.0	0			4	1	1
EL DORADO CAA AP	91.9	70.0	81.0	- 1.3	99	25	61	14	0	23	0	0	2.67	- 0.62	1.26	30	0.0	0			6	2	1
FOROYCE 6 W	91.6	69.5	80.6	- 0.5	99	22	63	15	0	19	0	0	3.35	- 0.98	1.12	8	0.0	0			7	2	1
HELENA	93.0	70.8	81.9	1.2	98	5+	63	17	0	26	0	0	3.01	- 0.55	1.39	24	0.0	0			4	2	2
JONFSROD	91.9	69.3	80.6	0.3	98	21	61	13+	0	22	0	0	0.63	- 2.83	0.40	30	0.0	0			2	0	0
KEO	91.2	67.5	79.4		98	22	57	13	0	19	0	0	1.07		0.51	8	0.0	0			3	1	0
MAGNOLIA 3 N	91.4	67.9	79.7	- 2.9	98	22	59	14	0	21	0	0	4.05	1.48	1.44	12	0.0	0			6	2	2
MARIANNA 2 S	90.4	68.2	79.3	- 1.2	97	6+	59	13+	0	19	0	0	4.16	- 1.25	2.04	24	0.0	0			6	2	1
MARKED TREE	92.3	68.2	80.3	0.7	98	23	59	31	0	23	0	0	3.03	- 0.51	1.90	19	0.0	0			4	1	1
MONTICELLO 3 S	91.8	68.4	80.1		98	22	58	14	0	24	0	0	4.86		1.59	8	0.0	0			6	3	3
NEWPORT	93.5	67.0	80.3	- 0.2	99	5+	59	31	0	26	0	0	3.31	- 0.16	1.00	7	0.0	0			8	1	1
PARAGUOLO	90.9	65.5	78.2		96	5+	56	14+	0	19	0	0	0.86	- 3.01	0.55	30	0.0	0			2	1	0
PINE BLUFF	93.2	71.4	82.3	0.2	100	22	64	13	0	23	0	0	2.72	- 0.16	1.38	9	0.0	0			4	2	1
PINE BLUFF CAA AP	91.6	69.2	80.4		99	22	62	13+</															

DAILY PRECIPITATION

ARKANSAS
AUGUST 1955

Table 3-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		
MARKED TREE	3.03							.02	.04	.06	.02									1.90				.27	.02							.47		
MARSHALL	1.50		.31		.03			.14	.14	.87										1.90				.09								.15		
MARVELL	3.19							.14	.17		.67												.79	.99								1.12		
MELBOURNE	2.47							1.42															1.10	.06										
MENA	4.78		.28	.12	1.13	.08			.36	.52	T	T										T										.97		
MONTICELLO 3 S	4.86																																	
MORRABAY L AND D NO 8	3.46		.05	.42	.78	1.37	.21		1.59	.75	.03	T		.09									1.00									.09		
MORRILTON	1.92	.02	.06	.06	.10	.24			.37	.29														.28	.35						.25	.35		
MOUNT IDA	4.70			.16	.11	.34				.66														.41	.04						1.07	1.56		
MOUNT MAGAZINE	2.46	.04		.14	.19				1.35		.06													.25							.43			
MOUNTAIN HOME	1.13				.04			.26			.04												.01	.16	.46						.16			
MOUNTAIN HOME C OF ENG	1.55	T	.50		.05			.17	.09		.07												.06	.09	.37						.15			
MOUNTAIN VIEW 1 W	1.37		.17		.02	.10	.24			.29										.28		.09		.05	.64						.09			
MULBERRY	4.32		.25		.50	.05			1.10		.70												1.05	T						1.05	.12			
NARROWS DAM	2.86			.67	.05				.54	.33										T											.07	.58		
NASHVILLE PEACH SUBSTA	2.91		.09	.36	.55	.02			.03	.33		.03	.41							T				.22	.05					.14	.51			
NATHAN	3.62			.60	.70				.26	.99										.03			T							.17	.30	.57		
NEWHOPE	5.05			.50	.50	1.38				.67														.40							T	1.60		
NEWPORT	3.31			.11	.11	.44			1.00	.09		.12	.43										.03	.38	.38						.28			
NIMROD DAM	2.05		T	.13	.20	.40			.23	.02		.03								T			.49								.72			
ODELL	4.20		.05		1.92	.05																.09		.54	.03					1.45	.07			
OOEN	4.49		.15	.10	.56	.15			.81	.25														.15						.20	.37	.75		
OKAY	4.24		.20	.57	.02				.03			.68												.38	.49					.62	1.23			
OSCEOLA	.73	.05																													.68			
OWENSVILLE	2.67			.20	.10	.05	T		.20	.66	.15	T	.05											.64	.10	T				T	.50	.02		
OZARK	2.25		.28	T	.11	.44			.79		.06													.12	.25					.16	.04			
OZONE	2.31		.28	.32	.35	.10					.03													.60	.26					.37				
PARAGOULD.	.86										.05	T																			.55			
PARIS	2.62	.27		.02	.05				.90															.12	.20					.42	.02			
PARKIN	2.55								1.41	.24		.20												.43	.27					T				
PERRYVILLE	2.30		.06	.47	.42				.36		.16	.06																		.31				
PINE BLUFF	2.72			.15	.23					1.38															.07	.02					T	.83		
PINE BLUFF CAA AP	2.25			.47					1.04	.01			.04										.06	.11						.09	.33			
PINE RIDGE	4.33			.21	.24	.16			1.41	.18														.58	.80					.24	.04	.44		
POCAHONTAS 1	.63																							.19							.44			
PORTLAND	1.21		T	.05	.35	T			T	.48			.05																		.10	.10		
PRESCOTT	1.54		T	.14	.06	.32					.40	.03			T															.08	.21	.30		
RATCLIFF	2.56	.17	T	T	.48	1.52					T																			.17	.22			
RISON	1.99		.18	.14						1.26																					.41			
ROGERS	1.36			.06	.44				.07		.06																			T	.02	.70	.01	
RUSSELLVILLE	2.54	.05	.08	.65	.59																			.39	.34						.18	.26		
SAINTE CHARLES	2.33	.10		.03					.09	.51		.11	.56																		.56			
SAINTE FRANCIS	.54								.22	.03		.72								.05										.20	.41			
SALEM	1.14								.80	.58	.09	1.65												1.90	1.84					.05				
SEARCY	7.10			.04	.15																													
SHERIDAN TOWER	1.75		.02	.70					.68		.07													.06						.22				
SHIRLEY	2.17		.20	.06	.07	.05					.02													1.06	.19					1.12	.20			
SILDAM SPRINGS	2.84				.45	.55			.10																					.15	1.10			
SPARKMAN 4 E	2.35			.10						1.00															.39	.03								
STAMPS	3.88			1.73	.28	.17					.23		.71	.36															.03		.06	.31		
STAR CITY 2 S	5.45				.56			.06		1.94		1.53																			.52	.23		
STEVE	1.97																														.50		.91	
STUTTGART	2.71			.06	.10	.56	1.05				T		.61	T																.07	.22	.60		
STUTTGART 9 ESE	.84			.03	.03		.01				.34	T		T																.07	.08	.28		
SUBIACO	2.31	.40	.03	.03	.01					.90																				.32		.30		
SUGAR GROVE	3.07		T	T						1.30	.05																				.27	.33	.05	
TAYLOR	2.21				.45	.09																									.19	.24	.05	
TEXARKANA WR AP	4.23	.15	.80	1.10	.01						T		.31	.69	.19															.07	T			
TURNPIKE	3.05	.28	.12	.07	.30			.33	.44		.30																			.28		.28		
WALDRON	1.81		T	T	.06	.15				1.00																					.30	T		
WALNUT GROVE	1.62			T						.06																					.73			
WALNUT RIDGE CAA AP	.18		T	T																											.15			
WARREN	3.94	T		.04	T	T				1.36		.02	2.40	T										.01		.17				.02	.05	.10		
WASHITA	3.50				.30	T																									2.40	.60		
WHITE ROCK	4.36		.40	.05	.45	.81							.26																	1.22	.46			
WHITECLIFFS	4.35		T	.60	.45							.20																		.30	.40		.10	
WILSON	.67																															.67		
WYNN	3.48								2.37		T																				.04			
YELLVILLE	.73							.43																							.30			

DAILY TEMPERATURES

ARKANSAS
AUGUST 1955

Table 5

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		
ALUM FORK	MAX	93	89	87	87	94	95	95	93	90	93	89	89	87	88	90	91	90	92	94	94	93	95	86	90	94	94	93	91	91	85	91.1	
	MIN	73	72	70	70	69	69	72	71	71	71	71	69	60	60	62	61	64	63	64	67	67	73	73	68	63	64	68	70	73	70	67.9	
ARKADELPHIA	MAX	96	94	85	90	95	95	96	90	94	96	88	88	88	89	92	94	89	96	96	98	101	91	95	99	98	99	94	85	82	86	92.7	
	MIN	74	74	72	74	70	72	74	76	71	73	73	70	63	60	62	64	65	66	68	66	71	70	73	70	66	69	71	74	73	71	65	69.7
ASHMOON	MAX	94	88	77	90	94	95	97	95	94	94	92	90	88	89	90	94	88	93	94	94	98	100	99	93	96	96	96	94	90	89	86	92.5
	MIN	72	74	72	73	68	70	73	75	75	73	75	68	60	58	60	61	62	60	66	66	69	72	72	73	72	71	70	75	71	69	68	69.1
BALO KNOB	MAX	93	91	89	93	95	94	97	90	85	92	87	85	85	87	89	90	89	93	95	96	95	98	83	89	90	90	90	90	91	89	90.5	
	MIN	73	70	70	68	69	71	70	72	73	71	74	71	61	57	67	62	60	64	66	64	66	70	71	65	63	65	67	72	72	67	60	67.5
BATESVILLE LIVESTOCK	MAX	92	93	91	89	91	95	97	93	90	89	91	89	88	90	89	93	94	92	95	97	98	98	100	90	92	94	95	94	93	87	95	92.7
	MIN	69	68	68	67	67	67	70	70	66	70	68	61	55	56	61	57	58	65	64	68	71	66	60	71	66	60	61	71	63	58	63.9	
BATESVILLE L AND O NO 1	MAX	96	92	92	94	98	97	94	91	89	91	88	88	88	89	90	91	93	100	95	97	99	87	92	95	95	94	94	90	90	88	92.5	
	MIN	71	69	68	68	67	68	71	72	69	72	73	63	57	57	63	58	62	64	68	65	68	69	69	64	60	59	63	67	72	66	57	65.8
BENTON	MAX	94	88	85	90	95	95	98	89	90	91	88	87	87	88	89	93	89	93	94	95	97	96	87	92	93	93	94	93	88	86	87	91.1
	MIN	71	73	72	71	69	71	71	72	70	71	72	67	58	57	60	61	64	61	63	65	68	67	70	67	62	63	67	70	73	69	62	67.0
BENTONVILLE	MAX	93	90	90	87	92	95	90	88	89	88	85	84	84	84	88	90	87	91	93	94	95	95	91	93	95	95	94	96	83	86	83	89.9
	MIN	65	64	68	69	68	68	68	67	64	67	62	54	52	52	56	55	57	58	63	63	65	69	67	63	57	56	56	63	69	64	53	62.0
BLYTHEVILLE	MAX	92	93	93	93	94	96	94	92	86	90	91	82	83	84	87	88	83	89	95	94	96	97	94	91	92	92	93	92	96	94	90	91.2
	MIN	76	73	72	72	75	76	75	75	71	72	74	66	63	63	65	66	64	65	74	73	73	75	70	60	64	62	68	70	72	68	58	69.4
BOONEVILLE	MAX	96	94	89	94	99	101	102	91	94	89	91	90	89	89	94	96	94	95	98	99	101	99	92	96	98	97	98	95	93	89	87	94.5
	MIN	74	73	73	75	70	69	72	70	73	74	74	64	58	58	62	59	65	60	63	67	70	70	72	70	65	63	68	75	74	70	58	68.0
BRINKLEY	MAX	93	90	90	94	95	96	95	94	96	92	91	90	88	89	90	92	95	97	97	96	99	84	92	95	95	96	94	93	91	85	92.7	
	MIN	72	73	74	75	76	76	75	70	72	70	71	70	60	60	59	60	60	62	65	62	63	65	70	66	65	65	70	69	68	66	61	67.4
CAMDEN 1	MAX	99	97	85	86	96	98	99	98	87	93	95	90	89	88	89	91	93	88	95	96	98	99	100	93	97	96	95	95	84	84	82	92.9
	MIN	69	75	73	73	71	72	74	75	72	72	73	68	67	64	62	61	64	64	68	68	68	70	71	75	61	66	69	72	74	71	67	69.4
CAMP CHAFFEE	MAX	97	94	90	85	91	95	97	94	90	91	87	89	88	87	88	90	94	91	94	94	95	98	99	92	95	97	96	97	95	89	88	92.5
	MIN	73	71	72	73	71	70	74	72	70	74	73	64	59	57	60	59	64	61	63	66	68	69	72	70	66	61	64	71	74	68	57	67.3
CLARKSVILLE	MAX	93	89	87	85	95	96	95	90	89	88	92	93	92	92	95	97	97	99	99	90	93	95	95	96	95	95	96	95	93	89	86	93.0
	MIN	72	74	73	71	70	69	69	69	63	69	69	63	57	58	58	58	69	64	61	66	69	69	72	68	63	63	68	68	75	71	56	66.5
CONWAY	MAX	94	89	89	93	97	96	99	93	90	94	90	88	88	89	91	94	90	94	95	97	97	98	85	94	95	95	95	94	89	86	85	92.4
	MIN	73	73	73	72	71	73	71	75	69	70	74	67	59	60	64	63	67	63	63	68	71	71	72	67	64	65	69	73	75	71	60	68.6
CORNING	MAX	94	95	91	95	97	97	90	90	94	88	87	87	87	87	90	91	88	92	94	97	98	98	96	94	94	94	96	94	97	94	91	93.0
	MIN	75	72	71	70	72	75	73	72	72	72	72	65	60	58	60	60	60	67	71	70	72	76	71	60	67	62	65	69	73	67	59	67.9
CROSSETT 7 S	MAX	90	85	84	94	93	94	95	93	89	93	94	87	89	88	91	93	93	94	94	96	96	98	94	95	96	93	92	90	93	89	90	92.1
	MIN	72	74	72	71	69	70	70	70	73	70	69	71	64	58	70	62	60	61	65	65	64	68	72	71	66	67	72	72	73	73	72	68.7
CUMMINS FARM	MAX	92	87	89	94	95	96	97	95	89	92	90	87	87	87	89	89	88	91	92	93	95	96	91	91	93	92	92	90	92	85	86	91.0
	MIN	72	71	69	69	69	70	72	69	72	72	72	70	60	60	65	62	62	69	66	68	69	70	70	68	69	66	66	69	69	70	65	68.2
DARDANELLE	MAX	94	88	86	87	94	95	93	92	90	90	90	88	87	90	90	94	91	94	95	97	96	99	88	92	95	95	95	93	90	87	86	91.6
	MIN	74	74	74	75	72	72	74	75	71	74	75	57	61	62	65	61	70	63	65	69	72	72	73	69	65	65	70	74	75	73	60	69.4
DE QUEEN	MAX	97	88	76	92	95	96	98	89	91	94	93	92	90	91	92	96	90	94	94	95	99	101	88	95	97	96	97	91	96	86	87	92.8
	MIN	69	72	69	71	66	67	68	72	69	70	69	65	58	56	57	58	59	58	62	64	65	66	68	70	63	62	67	72	71	66	61	65.5
DES ARC	MAX	94	93	93	89	95	96	96	97	89	88	89	88	88	87	89	89	90	92	93	97	97	98	100	82	91	91	91	91	81	88	91.7	
	MIN	72	70	68	69	70	71	72	71	71	71	72	69	57	58	61	60	60	60	64	66	68	71	69	66	63	63	67	72	68	68	62	66.8
DEVILS KNOB	MAX	87	85	80	78	86	90	91	83	88	80	81	82	80	83	86	90	87	88	92	91	94	95	80	85	87	87	87	84	79	82	80	85.5
	MIN	69	67	65	67	68	70	73	63	65	70	67	62	60	67	62	65	69	64	68	71	70	70	68	66	65	68	68	69	69	69	59	67.1
DOUMAS 1	MAX	94	88	92	98	97	98	100	87	90	97	92	88	89	89	90	92	92	95	97	99	99	101	90	93	95	93	93	94	95	88	90	93.4
	MIN	73	75	72	71	71	73	74	73	74	74	73	71	62	63	64	64	63	66	67	70	71	71	73	70	76	68	70	72	74	72	68	70.3
EL DORADO CAA AP	MAX	94	86	82	91	95	94	94	86	93	95	94	88	90	89	93	92	90	93	95	94	95	96	93	96	99	96	94	92	88	82	89	91.9
	MIN	73	73	72	73	71	71	72	72	73	71	73	70	64	61	64	64	64	62	67	69	72	72	74	73	70	70	73	74	73	71	70	70.0
EUREKA SPRINGS	MAX	90	88	85	84	93	96	95	89	88	88	85	84	83	85	90	93	88	93	95	95	95	97	89	96	96	97	98	93	87	88	86	90.6
	MIN	68	69	70	72	71	63	75	89	88	88																						

DAILY TEMPERATURES

ARKANSAS
AUGUST 1955

Table 5 - 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			
HOT SPRINGS 1 NNE	MAX 96 MIN 74	93 73	82 72	88 73	94 70	95 73	98 77	90 70	92 70	90 72	90 73	90 68	90 62	90 64	92 65	96 66	92 70	95 67	96 75	98 75	89 71	94 69	98 67	97 68	97 70	95 75	85 74	84 72	86 54	86 54	92.3 70.1			
JONESBORO	MAX 91 MIN 75	90 71	92 69	95 68	97 71	96 74	94 76	90 73	90 73	89 74	85 73	85 68	86 61	89 61	89 68	89 62	90 61	96 68	96 72	97 73	98 75	95 76	89 70	96 64	93 67	95 66	96 68	96 71	94 72	90 68	86 61	91.9 69.3		
KEO	MAX 93 MIN 71	87 72	90 69	94 71	95 70	96 72	97 72	88 73	87 70	94 71	89 72	87 69	87 71	88 69	89 63	91 61	88 60	94 66	95 66	96 69	98 71	85 67	92 64	93 66	93 68	91 72	93 69	93 67	91 64	87 64	87 64	91.2 67.5		
LEAO HILL	MAX 93 MIN 68	90 68	89 73	86 70	92 69	96 66	92 70	90 72	91 62	89 70	90 58	89 58	89 54	90 56	92 56	95 57	91 67	98 67	96 69	99 70	99 65	88 66	92 65	93 66	93 66	92 64	93 63	93 51	87 51	88 51	88 51	92.0 63.9		
LITTLE ROCK WR AP	MAX 94 MIN 75	85 74	88 73	93 72	96 74	96 75	96 74	88 74	88 74	92 75	88 71	88 71	87 66	88 65	89 69	92 67	89 68	93 68	95 70	95 74	97 72	94 75	85 72	93 70	93 72	94 71	93 72	91 74	89 72	86 68	90.9 71.8			
MAGNOLIA 3 N	MAX 93 MIN 72	85 72	81 71	92 69	95 71	96 71	96 71	89 71	92 71	94 72	91 69	89 69	85 62	86 59	89 60	91 62	89 61	96 68	95 69	96 70	96 70	95 69	94 70	95 69	96 69	95 66	94 69	92 71	91 70	83 68	87 68	91.4 67.9		
MALVERN	MAX 95 MIN 74	92 72	92 72	90 69	96 95	97 95	97 91	93 75	90 73	89 72	87 75	87 75	88 61	91 62	93 63	90 65	93 63	96 66	95 68	97 69	97 69	91 69	94 68	94 69	94 67	94 67	93 65	85 65	86 66	86 66	92.2 68.4			
MAMMOTH SPRING	MAX 94 MIN 70	90 71	91 69	95 67	98 68	99 68	92 70	88 64	90 64	89 69	87 66	89 60	88 54	90 52	92 63	94 58	91 59	98 65	97 67	98 68	93 71	94 69	91 58	94 58	96 57	95 57	96 59	95 62	93 53	93 53	92.7 64.2			
MARIANNA 2 S	MAX 92 MIN 74	91 73	87 69	90 67	93 68	97 68	94 72	89 73	91 72	92 69	86 69	86 69	86 69	86 66	87 66	88 59	88 63	94 68	92 66	96 68	96 68	89 65	91 66	91 66	89 65	90 68	91 68	90 68	91 65	86 65	86 65	90.4 67.9		
MARKED TREE	MAX 94 MIN 73	94 69	93 69	94 69	96 74	97 74	97 73	95 69	87 69	87 69	86 67	86 67	86 65	86 64	89 66	88 66	88 90	95 71	95 74	95 74	97 74	98 74	98 70	98 70	98 70	91 64	92 67	92 67	92 67	87 68	87 68	92.3 68.2		
MARSHALL	MAX 89 MIN 69	87 68	82 70	88 71	94 68	97 67	97 66	85 66	85 67	85 67	85 67	85 53	85 55	85 59	88 60	88 60	88 90	95 64	95 65	97 67	97 68	85 66	91 67	91 67	91 67	91 67	91 67	89 65	85 65	85 65	91.8 63.1			
MENA	MAX 90 MIN 72	83 72	76 71	84 69	90 69	93 69	93 84	88 71	88 71	89 71	86 67	84 67	86 67	86 67	89 62	89 62	89 61	90 61	91 61	93 61	94 68	88 68	89 65	90 65	90 65	90 65	87 63	88 63	83 63	81 63	87.6 67.9			
MONTICELLO 3 S	MAX 92 MIN 73	87 73	86 71	95 69	92 70	94 70	95 72	89 70	93 71	93 71	87 62	87 62	87 58	89 60	91 60	93 63	94 66	95 67	96 69	98 70	95 73	95 70	93 70	93 70	91 70	91 70	91 70	91 70	91 68	91 68	91.8 68.4			
MORRILTON	MAX 97 MIN 73	90 72	88 72	89 70	96 71	97 71	98 74	92 70	92 70	89 70	91 70	92 67	89 61	91 60	92 65	95 66	91 66	96 63	96 67	100 74	87 67	92 67	94 67	95 67	96 67	100 67	94 67	95 67	94 67	88 67	88 67	92.7 68.7		
MOUNT IDA	MAX 92 MIN 69	92 70	81 71	86 68	92 68	95 68	95 68	91 67	89 67	88 67	88 67	88 57	88 57	88 57	90 57	90 57	92 57	92 63	94 64	96 64	96 64	96 61	92 61	92 61	92 61	92 61	94 63	94 63	91 63	85 63	85 63	90.2 64.8		
MOUNT MAGAZINE	MAX 84 MIN 69	77 65	75 65	76 66	86 68	88 71	88 80	80 72	80 72	76 69	79 68	79 68	78 65	79 63	83 65	85 65	85 65	89 66	88 66	90 71	84 67	87 67	87 67	87 67	87 67	87 67	87 67	85 68	83 68	79 58	66.9	82.6		
MOUNTAIN HOME	MAX 94 MIN 72	90 71	90 70	89 68	93 70	95 70	91 70	89 65	89 65	88 65	88 65	88 65	88 65	89 65	91 65	90 65	92 65	94 69	93 69	92 69	94 72	87 64	93 64	93 64	93 64	93 64	94 64	95 64	94 64	90 64	89 64	90.7 66.7		
MOUNTAIN HOME C OF ENG	MAX 92 MIN 72	94 69	89 71	89 69	94 68	95 68	90 72	87 68	87 68	87 64	85 64	86 64	86 64	88 58	92 58	90 65	90 65	94 67	94 73	94 73	86 63	93 63	93 63	93 63	93 63	93 63	88 68	84 68	64 55	55 55	90.6 66.6			
NARROWS OAM	MAX 75 MIN 75	74 72	73 68	68 69	70 73	68 72	74 69	69 59	69 59	69 59	61 61	61 61	61 61	61 61	61 61	63 64	64 66	64 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	66 66	84 68	67.7	
NASHVILLE PEACH SUBSTA	MAX 94 MIN 73	93 72	86 70	78 68	88 70	93 74	94 74	83 74	83 74	91 73	92 69	88 64	87 64	88 62	90 62	93 60	93 60	95 69	95 69	98 71	100 69	88 71	95 70	97 70	97 70	97 70	97 70	97 70	97 70	90 67	83 67	91.3 68.5		
NEWPORT	MAX 98 MIN 72	93 70	96 68	97 68	99 71	98 71	96 73	92 71	92 71	92 66	92 66	91 66	89 66	89 66	91 66	92 66	92 66	96 67	97 67	99 70	99 63	93 63	95 63	96 63	96 63	96 63	96 63	96 63	96 63	93 59	85 59	97.5 67.0		
NIMROD DAM	MAX 96 MIN 80	97 69	90 69	85 68	95 70	98 69	98 72	85 70	88 70	95 72	92 65	92 65	91 65	91 65	91 65	92 65	92 65	96 66	96 66	98 66	101 66	89 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	93.2 69.2	
OKAY	MAX 94 MIN 72	90 74	79 74	90 69	95 73	95 73	98 73	95 73	93 73	89 74	89 74	88 69	88 69	88 69	92 69	94 69	94 69	94 69	94 69	99 70	99 71	94 72	95 72	95 72	95 72	95 72	95 72	95 72	95 72	95 72	95 72	95 72	95 72	92.1 69.3
OZARK	MAX 96 MIN 71	91 71	86 69	85 69	95 65	98 65	96 70	96 68	91 73	85 63	90 63	91 63	90 63	90 63	90 63	96 60	96 60	97 60	97 60	102 69	102 68	94 68	94 68	94 68	94 68	94 68	94 68	94 68	94 68	94 68	94 68	94 68	93.0 66.7	
PARAGOULO	MAX 94 MIN 72	90 69	91 67	95 67	96 67	96 67	95 72	87 72	87 72	89 72	86 63	85 63	85 63	89 66	88 66	88 66	94 66	94 66	95 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	92 66	90.9 65.5	
PARIS	MAX 96 MIN 71	91 70	88 74	90 69	97 69	99 69	99 72	93 72	94 63	89 74	91 63	90 63	90 63	93 63	93 63	95 63	96 63	96 63	96 63	101 63	93 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	98 66	94.0 67.5
PERRYVILLE	MAX 95 MIN 68	89 71	86 70	90 69	96 70	98 70	98 74	90 68	90 67	89 73	88 67	88 67	89 62	89 62	93 62	93 62	94 62	97 62	97 62	99 62	99 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	98 62	92.3 66.6
PINE BLUFF	MAX 97 MIN 75	88 75	81 70	97 73	98 74	98 74	99 74	93 74	93 74	95 74	89 73	88 73	89 73	91 66	92 66	92 66	97 67	97 67	98 67	99 67	99 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	97 67	93.2 71.4
PINE BLUFF CAA AP	MAX 95 MIN 74	88 74	87 74	94 72	96 72	97 72	97 72	83 74	83 74	94 74	87 68	87 68	87 68	87 68	91 68	91 68	94 68	96 68	96 68	99 70	99 68	93 68	95 68	95 68	95 68	95 68	95 68	95 68	95 68	95 68	95 68	95 68	95 68	91.6 69.2
POCAHONTAS 1	MAX 95 MIN 74	94 71	92 68	95 67	98 69	99 72	93 72	89 72	89 72	89 67	89 67	89 67	89 67	89 67	92 66	92 66	93 66	97 66	97 66	100 66	99 66	99 66	97 66	97 66	97 66	97 66	97 66	97 66	97 66	97 66	97 66	97 66	97 66	94.0 67.1
PORTLAND	MAX 90 MIN 71	88 71	84 71	85 71	91 70	91 70	90 71	86 71	86 71	86 71	86 71	86 71	86 62	86 62	86 65	86 65	86 65	91 65	91 65	91 65	91 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	92 65	90.2 68.7
PRESCOTT	MAX 94 MIN 72	90 70	84 70	85 69	93 69	95 68	9																											

DAILY TEMPERATURES

ARKANSAS
AUGUST 1955

Table 5 - 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	
STUTTGART 9 ESE	MAX	92	93	87	90	94	95	94	95	86	90	94	87	87	87	88	89	90	90	93	95	95	96	98	85	92	93	94	95	92	91	85	91.4
	MIN	73	72	69	70	69	71	73	73	73	72	73	71	60	62	63	62	63	62	66	67	69	69	71	69	67	67	70	71	73	70	65	68.5
SURIACO	MAX	98	91	86	89	97	99	100	90	93	88	93	90	90	90	95	97	96		99	101	102	95	98	100	99	101	97	90	90	87	94.5	
	MIN	72	70	73	74	70	70	75	72	69	73	74	65	61	59	64	60	66		63	73	74	72	68	64	65	68	72	74	72	60	68.7	
TEXARKANA WB AP	MAX	93	84	77	89	93	94	95	88	92	92	86	88	86	87	89	92	86	90	92	92	94	97	89	93	95	94	94	88	88	83	87	89.9
	MIN	73	74	73	73	72	74	75	74	72	74	74	71	66	63	65	68	67	64	69	71	73	75	72	74	67	68	71	75	76	71	70	71.1
TURNPIKE	MAX	89	82	81	78	86	88	85	80	83	80	81	79	79	81	84	85	83	89	89	88	91	94	81	85	91	89	90	85	77	81	79	84.3
	MIN	64	66	65	67	68	71	65	67	64	64	66	62	60	62	64	68	61	68	71	74	70	67	68	67	67	69	69	69	62	59	66.2	
WALORON	MAX	98	88	82	90	95	99	100	89	93	91	90	88	88	89	92	94	94	95	96	98	99	100	93	96	98	98	98	95	92	92	86	93.4
	MIN	68	65	71	70	66	67	69	69	70	70	70	61	54	54	58	56	59	57	59	63	66	67	69	67	60	58	63	68	72	69	56	64.2
WALNUT RIDGE CAA AP	MAX	94	93	92	94	97	97	92	90	89	88	87	87	87	88	91	91	92	93	96	96	97	96	90	94	95	95	95	94	92	84	92.2	
	MIN	75	73	71	70	72	72	75	72	73	74	70	64	59	62	66	64	63	65	66	64	65	71	70	72	74	68	60	69	71	65	59	67.7
WARREN	MAX	94	85	87	96	97	98	97	93	94	93	89	91	89	89	91	91	91	94	94	96	98	99	94	94	96	96	96	92	92	91	89	93.1
	MIN	73	74	73	74	70	71	72	73	73	72	70	72	63	62	63	67	68	70	67	71	73	73	72	70	63	68	71	71	73	63	70	69.8
WHITE ROCK	MAX	87	82	79	75	85	88	88	83	85	82	84	80	80	83	86	88	86	88	89	90	92	91	82	86	89	88	90	88	82	82	80	85.1
	MIN	67	70	66	67	68	72	71	68	67	69	68	64	61	66	66	67	65	67	67	69	71	75	67	68	67	69	69	71	68	69	60	67.7
WILSON	MAX	93	94	95	95	97	97	96	84	92	94	82	83	84	87	88	83	89	95	94	96	97	94	91	92	92	93	94	93	94	90	84	91.4
	MIN	76	68	67	67	69	73	62	60	58	59	62	66	64	63	65	66	64	65	74	73	73	75	70	60	64	62	68	68	59	68	58	66.3
WYNNE	MAX	91	89	90	92	95	95	95	87	88	92	87	86	85	87	87	88	88	92	94	94	96	96	87	90	90	90	90	88	90	86	84	90.0
	MIN	73	70	69	69	69	72	74	71	72	72	73	67	57	57	62	58	57	65	69	67	70	72	69	64	68	69	70	72	74	69	62	67.8

EVAPORATION AND WIND

Table 6

Station		Day of month																															Total Evap.	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		
BLAKELY MOUNTAIN DAM	EVAP	-	.30	.25	.17	.09	*	*	.63	.37	.20	.22	.26	*	*	.82	.24	.29	.23	.32	*	*	.73	.13	.12	.22	.27	*	*	.69	.16	.09	7.03B	
	WIND	-	.79	.85	.120	.48	*	*	*	.128	.22	.44	.67	*	*	.145	.36	.38	.35	.31	*	*	.134	.57	.25	.28	.34	*	*	.184	.31	.34	14528	
HOPE 3 NE	EVAP	-	.21	.19	.04	.08	.20	*	.47	.05	.17	.16	.18	.24	.27	.20	.20	.26	.12	.22	.22	.21	.28	.27	.12	.20	.18	.29	.28	.16	.07	.10	5.83B	
	WIND	-	.74	.32	.52	.47	1	*	.20	.12	.16	.15	.28	.37	.32	.18	.11	.16	.10	.7	.6	.10	.13	.28	.12	.13	.19	*	.68	.32	.15	.24	6908	
MOUNTAIN HOME C OF ENG	EVAP	.27	.26	.28	.23	.23	.31	.30	.14	.22	.18	.12	.29	.31	.27	.24	.28	.22	.24	.18	.27	.28	.20	.14	.13	.26	.25	.27	.25	.29	.15	.27	7.33	
	WIND	.20	.31	.37	.53	.41	.35	.32	.20	.35	.19	.27	.50	.45	.38	.25	.21	.20	.28	.6	.23	.30	.26	.31	.16	.17	.19	.23	.22	.40	.47	.31	908	
NARROWS DAM	EVAP	.26	.31	.16	.10	.16	.22	.33	.28	.09	.20	.22	.24	.26	.30	.26	.23	.31	.15	.25	.25	.18	.28	.28	.09	.25	.30	.25	.24	.25	.16	-	7.09B	
	WIND	.28	.41	.35	.71	.36	.10	.12	.23	.6	.9	.16	.27	.22	.27	.19	.17	.12	.14	.15	.13	.11	.15	.35	.11	.16	.23	.16	.20	.56	.23	.23	702	
NIMROD DAM	EVAP	.27	.16	.13	.12	.13	.24	.21	.11	.13	.18	.16	.15	.32	.28	.15	.19	.23	.21	.23	.25	.25	.23	.14	-	-	.21	.19	.27	.21	.09	.12	5.95B	
	WIND	.18	.16	.23	.10	.57	.16	.14	.7	.8	.13	.13	.17	.22	.27	.15	.14	.19	.17	.15	.21	.18	.21	.23	.7	.10	.16	.14	.19	.31	.9	.2	532	
RUSSELLVILLE	EVAP	.25	.10	.21	.13	.19	.26	.27	.16	.18	.18	.21	.25	.17	.29	.18	.22	.25	.14	.24	.30	.14	.26	.07	.26	.24	.25	.35	.25	.07	.10	.17	6.34	
	WIND	.12	.29	.51	.32	.9	.7	.6	.10	.11	.12	.15	.15	.15	.13	.8	.7	.12	.9	.10	.6	.8	.10	.10	.17	.8	.13	.20	.27	.14	.6	.9	431	
STUTTGART 9 ESE	EVAP	.26	.25	.19	.21	.24	.22	.19	.24	.08	.08	.19	.12	.20	.22	.21	.19	.17	.21	.12	.31	.23	.13	.22	.24	.08	.25	.32	.14	.25	.17	.23	.21	6.24
	WIND	.29	.51	.70	.68	.27	.16	.23	.23	.8	.10	.19	.16	.21	.19	.17	.21	.16	.12	.9	.11	.22	.28	.58	-	.24	.24	.26	.37	.27	.48	.69	.19	8728

STATION INDEX

ARKANSAS
AUGUST 1955

Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observer	Refer to tables	Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Observer	Refer to tables
							Temp.	Precip.								Temp.	Precip.
Abbott	0006	Bectt	1	35 04	94 12	624	7A James V. Williams	3	Lurton	4386	Newton	7	35 46	93 05	2007	8A Lola I. Dollar	3
Allicia	0064	Lawrence	7	35 34	91 03	256	7A Ruby B. Owens	3	Madison	4528	St. Francis	5	35 00	90 43	213	7A Loren R. Jones	3
Alus Fork	0130	Saline	7	36 48	92 52	755	7A L. R. Waterworks	3	Magolia 3 N	4648	Columbia	1	35 19	93 14	315	7A Earl E. Graham	2, 3, 5, 7
Aly	0136	Vell	3	34 47	93 23	854	7A Gurn B. Swain	3	Magolia 3 N	4550	Columbia	4	33 20	93 13	360	MID Ark. Pwr. & Lgt. Co.	C
Asity 3 NE	0150	Clark	3	34 17	93 25	-	7A Mrs. Alta F. Garner	3	Malvern	4562	Bot Spring	3	34 23	92 49	311	SP Malvern Fire Dept.	2, 3, 5
Antoine	0178	Pike	3	34 02	93 25	285	8A Orew A. Lamb	3	Mamoth Spring	4572	Fulton	7	36 28	91 32	690	SS 7A John H. McKee	2, 3, 5, 7
Apina 1 W	0188	Perry	1	34 55	93 00	400	7A Bobart Watts	3	Marionna 2 S	4638	Lee	3	34 44	90 45	234	8A Univ. of Arkansas	2, 3, 5, 7
Appleton	0196	Pope	1	35 25	92 53	522	MID John A. Jones	3	Marked Tree	4654	Poinsett	7	35 35	92 35	229	7A William M. Crick	2, 3, 5, 7
Arkadelphia	0220	Clark	3	34 07	93 03	200	6P Billman E. Lawrence	2, 3, 5	Marshall	4666	Searcy	7	35 54	92 38	1053	SS 7A Mrs. Winnie Borton	2, 3, 5
Arkansas City	0234	Desha	2	33 37	91 12	145	8A John W. Trammel	3	Marvell	4678	Phillips	7	34 33	90 55	195	8A Sterlin Wallace	3
Ashtown	0286	Little River	4	33 40	94 08	329	7P Southwestern C. & E.	2, 3, 5	Maurice	4696	Searcy	7	36 03	92 39	749	MID Verne N. Davenport	C
Atkins	0300	Howard	4	34 19	93 38	360	7A Arra D. Parks	3	Maui	4746	Izard	7	36 04	91 54	413	7A Ivan L. Shrader	3
Augusta	0326	Woodruff	7	35 17	91 22	218	7A David G. Griffiths	3	Men	4756	Polk	3	34 34	94 15	1207	6P 7A E. W. St. John	2, 3, 5, 7
Bald Knob	0350	White	7	35 18	91 34	230	6P Univ. of Arkansas	2, 3, 5	Monticello 3 S	4900	Ore	7	33 35	91 48	285	SP Arkansas A. & M. Col.	2, 3, 5, 7
Batesville Livestock	0458	Independence	7	35 49	91 47	271	9A Univ. of Arkansas	2, 3, 5	Montrose	4906	Ashley	7	33 59	91 19	123	SP Ark. Pwr. & Lgt. Co.	C
Batesville L & D 1	0460	Independence	7	35 45	91 38	277	5P 7A James J. Mitchell	2, 3, 5	Mountain View 1 W	4934	Calhoun	3	33 19	92 27	85	7A Corps of Engineers	3
Bear Creek Lake	0496	Law	7	34 43	90 42	220	MID U.S. Forest Service	3	Mountainburg 3 SW	4988	Montgomery	3	34 33	93 28	663	7A William E. Black	2, 3, 5
Beech Grove	0512	St. Francis	5	35 05	90 43	400	5P L. G. Adams	3	Mt. Magazine	5010	Logan	1	35 10	93 41	2800	7P U.S. Forest Service	2, 3, 5, 7
Beaver	0518	Carroll	7	36 29	93 46	930	7A B. E. Skelton	3	Mount Rose	5036	Baxter	7	36 20	92 23	900	7P H. H. Halbert	2, 3, 5, 7
Bebe	0520	White	7	35 04	91 53	250	MID Lowell E. Perkins	3	Mountain Rose C. of E.	5038	Baxter	7	36 20	92 23	900	8A Corps of Engineers	2, 3, 5, 6
Beech Grove	0534	Greene	7	36 09	90 38	298	8A B. B. Hammond	3	Mountainburg 1 W	5046	Stowe	7	35 52	92 08	769	SP U.S. Forest Service	2, 3, 5, 7
Beedeville	0536	Jackson	7	35 26	91 06	221	8A P. M. Breckinridge	3	Mountainburg 3 SW	5056	Crawford	1	33 36	94 12	730	SP CLOSER - - -	- - -
Beedeville	0582	Saline	6	34 33	92 37	285	6P SA Mrs. Etta C. Burks	2, 3, 5	Nashville	5072	Franklin	3	35 34	94 01	500	7A Edna J. Westfall	3
Bentonville	0585	Benton	1	36 22	94 13	1255	7A Carl E. Browne	2, 3, 5	Nashville SCS	5114	Boward	4	33 57	93 51	373	MID Soil Cons. Service	2, 3, 5
Berryville 4 NW	0616	Carroll	7	36 26	93 37	1150	7A James C. Mays	3	Nathan	5158	Howard	4	34 06	93 56	550	7A Univ. of Arkansas	2, 3, 5
Bigs Flat	0662	Baxter	7	36 00	92 24	1250	7A CLOSER - - -	1/155	Nathan	5158	Howard	4	34 06	93 56	550	7A Univ. of Arkansas	2, 3, 5
Big Fork	0664	Polk	3	34 29	93 58	1100	7A Anna M. Liles	3	Nashville SCS	5158	Howard	4	34 06	93 56	550	7A Univ. of Arkansas	2, 3, 5
Big Lake Outlet	0676	Mississippi	5	35 51	90 08	238	6P R. W. Douglas	3	Nashville SCS	5158	Howard	4	34 06	93 56	550	7A Univ. of Arkansas	2, 3, 5
Black Rock	0709	Lawrence	7	36 07	91 06	239	7A Lee W. McConkey	3	Nashville SCS	5158	Howard	4	34 06	93 56	550	7A Univ. of Arkansas	2, 3, 5
Blakely Mountain Dam	0764	Garland	3	34 36	93 11	426	8A Corps of Engineers	3, 6	Neport	5186	Jackson	7	35 36	91 17	225	SS 7A Luther D. Summers Jr.	2, 3, 5, 7
Blue Mountain Dam	0798	Van	1	35 06	93 39	455	MID Corps of Engineers	3	Nlford Dam	5200	Perry	1	34 57	93 10	470	8A Corps of Engineers	2, 3, 5, 6
Bluff City	0800	Nevada	3	33 41	93 09	360	7A Paul W. Adams	3	Norfolk Dam	5228	Baxter	7	36 15	92 15	425	MID Corps of Engineers	3
Blytheville	0806	Mississippi	5	35 56	89 55	252	7A Ivy W. Crawford	2, 3, 5	Odell	5354	Washington	1	35 48	94 24	1500	7A Mrs. Renzo Burt	3
Booneville	0830	Logan	1	35 09	93 53	311	7A Clois E. Vandell	2, 3, 5	Odo	5358	Montgomery	3	34 38	93 48	800	7A Vera J. Gann	3
Botkinburg	0842	Van Buren	7	35 39	92 30	1200	MID Thomas M. Pearson	3	Odessa	5376	Howard	4	33 46	93 33	300	SP J. T. Margis	2, 3, 5
Boughton	0848	Nevada	3	33 52	93 20	235	7A Iris Elmore Wicker	3	Oswego	5480	Mississippi	2	35 43	89 58	250	8A Wyn A. Cowan	3
Bradford	0872	White	7	35 25	91 28	240	7A Marshall Bidcock	3	Osborne	5498	Saline	3	34 37	92 49	500	8A Guy Cook	3
Briukley	0906	Monroe	7	34 54	91 10	205	7A Carl L. Riddell	2, 3, 5	Paragould	5508	Franklin	3	35 29	93 50	396	6P Morris Wakefield	2, 3, 5, 7
Bryant Tower	1010	Newton	7	35 52	93 30	-	7A Paul M. Fowler	3	Paragould	5562	Green	5	36 04	90 29	273	4P Radio Station KDRS	2, 3, 5
Bull Shoals Dam	1020	Baxter	7	36 22	92 34	460	MID Corps of Engineers	3	Paris	5576	Logan	1	35 18	93 45	-	SS 55 Fred J. Girard	2, 3, 5
Burdette	1052	Mississippi	2	35 49	89 57	240	6P G. A. Bale	3	Parkin	5586	Cross	5	35 16	90 35	222	7A Corine D. Gardner	3
Cabot 4 SW	1102	Pulaski	7	34 57	92 04	289	SP R. W. Walther	3	Parthenon	5602	Newton	1	35 57	93 15	925	MID Arthur B. Carlton	2, 3, 5
Calico Rock	1102	Izard	92	08	100	-	7A Henry D. Harkle	3	Parthenon	5602	Newton	1	35 57	93 15	925	MID Arthur B. Carlton	2, 3, 5
Cadalen 1	1152	Duachita	3	33 36	92 49	116	7A John W. Knight	2, 3, 5	Pike	5754	Jefferson	1	34 12	92 00	215	7P 7A Mary T. Scheu	2, 3, 5
Cadalen 2	1154	Duachita	3	33 35	92 51	155	MID Edith Z. Lehman	3	Pine Bluff	5756	Jefferson	1	34 10	91 56	205	MID U.S. Civil Aero Adm.	2, 3, 5, 7
Camp Chaffee	1172	Sebastian	1	35 18	94 18	419	8A U. S. Army	2, 3, 5	Pine Ridge	5760	Montgomery	3	34 35	93 54	940	7A J. R. Buddleston	3
Canaan	1188	Searcy	7	35 32	92 44	-	MID Froyd Dill Rorton	3	Pocahontas 1	5820	Randolph	7	36 16	90 59	330	SP 7A Benedictine Sisters	2, 3, 5, 7
Carlisle 1 SW	1238	Garland	3	34 27	93 01	-	7A John R. Pate	3	Pocahontas 2	5908	Franklin	3	34 38	93 48	231	7A Mrs. Pearl Newton	2, 3, 5, 7
Carpenter Dam	1442	Monroe	7	34 41	91 18	172	MID Ark. Pwr. & Lgt. Co.	3	Prescott	5910	Nevada	3	33 48	93 23	-	MID Soil Cons. Service	C
Clarksboro	1455	Johnson	1	35 28	93 28	436	7A B. F. Norburn	3	Prescott SCS	5910	Newton	7	36 16	92 51	900	MID Ona V. Mclean	3
Clarksboro	1455	Johnson	1	35 28	93 28	436	6P Dr. Irving F. Beach	2, 3, 5	Pyatt	5970	Marion	3	36 16	92 51	900	MID Ona V. Mclean	3
Clinton	1492	Van Buren	7	35 05	92 28	333	7A Earl D. King	3	Ratcliff	6174	Cleveland	3	33 57	91 21	231	7A Lulu M. Weeks	3
Cold Springs	1520	Scott	3	34 58	93 54	1250	7A Margaret Zornes	3	Ravada	6016	Miller	4	33 04	94 02	250	MID Benny L. Allen	3
Coba 3 SE	1574	Madison	7	35 48	93 08	1400	MID Waude C. Branshear	3	Remel Dam	6102	Holt Spring	3	34 26	92 54	-	MID Ark. Pwr. & Lgt. Co.	C
Compton	1596	Perry	7	36 06	93 18	2166	MID William L. Bisan	3	Rison	6174	Cleveland	3	33 57	91 21	231	7A J. R. Yaney	3
Conway	1596	Faulkner	1	35 05	92 27	309	SP G. V. Short	2, 3, 5	Rogers	6248	Benton	7	36 20	94 07	1387	SS Howard Fowler	2, 3, 5, 7
Coring	1632	Clay	2	35 29	93 35	35	7A H. G. Lewis	2, 3, 5	Saint Charles	6376	Arkansas	7	34 23	91 08	200	8A Fish & Wildlife Serv.	2, 3, 5
Cotter	1640	Baxter	7	36 17	92 31	440	7A Robert T. Fielding	3	Saint Francis	6380	Clay	5	36 27	90 08	300	7A William S. Buckley	3
Cove	1668	Polk	3	34 26	94 25	1050	7A Joe C. Allen	2, 3, 5	Saint Francis	6380	Clay	5	36 27	90 08	300	7A William S. Buckley	3
Crownet 7 S	1700	Ashley	7	34 03	91 36	175	SP U.S. Forest Service	3	Salt Springs	6396	White	7	37 15	91 44	245	SP Adam C. Weiton	2, 3, 5, 7
Crystal Valley	1750	Pulaski	1	34 42	92 26	350	7A Vida Byrd	3	Sheridan Tower	6566	Grant	3	34 27	92 21	290	6P Ark. Forestry Com.	2, 3, 5, 7
Cummins Yarn	1768	Lincoln	1	34 08	91 35	176	6P Cummins Prison Farm	2, 3, 5	Shirley	6586	Van Buren	7	35 38	92 17	600	7A Waud H. Bradford	3
Daisy	1814	Pike	3	34 14	93 45	629	7A Ferna Jones Brewer	3	Silox Springs	6624	Benton	1	36 11	91 48	1160	7A Mrs. Brown Univ.	2, 3, 5
Danabus	1826	Faulkner	7	35 32	92 25	703	7A William A. Todd	3	Silox Springs	6624	Benton	1	36 11	91 48	1160	7A Mrs. Brown Univ.	2, 3, 5
Danville	1834	Vell	3	35 03	93 24	370	7A J. A. Moody	3	Silox Springs	6624	Benton	1	36 11	91 48	1160	7A Mrs. Brown Univ.	2, 3, 5
Dardanelle	1838	Vell	3	35 13	93 09	330	7A Gretchen Conder	2, 3, 5	Slippery Rock	6768	Dallas	3	33 55	92 38	245	7A Mrs. Rachel Butler	3
De Queen	1948	Sevier	4	34 02	94 21	420	SP 7A O. Tucker Yansler	2, 3, 5, 7	Stamps	6804	Lafayette	4	33 22	93 30	370	7A Hubert Baker	3
Denver 2	1956	Boone	7	36 23	93 18	1028	MID Clarence E. Collins	3	Star City 2 S	6820	Lincoln	3	33 54	91 51	392	7A Ark. Forestry Com.	3
Derrett	1960	Chicot	1	34 31	91 26	140	7A C. J. Rister	2, 3, 5	Steve	6856	Vell	1	34 53	93 19	682	7A T. P. Sims	3
Des Arc	1968	Prairie	2	34 58	91 30	204	7A C. J. Rister	2, 3, 5	Stuttgart	6818	Arkansas	1	34 29	91 32	214	6P 7A George L. Clark	2, 3, 5
Devils Knob 1	1982	Johnson	1	35 43	93 24	2350	7A Ernest C. Campbell	2, 3, 5	Stuttgart 9 ESE	6920	Arkansas	7	34 28	91 25	198	7A Univ. of Arkansas	2, 3, 5, 6
Dumas 1	2148	Desha	2	33 53	91 30	162	7P Ben Johnson	2, 3, 5, 7	Sublaco	6928	Logan	1	35 18	93 39	500	SS 7A New Sublaco Abbey	2, 3, 5
Dumas 2	2150	Desha	2	33 53	91 30	163	7P Ben Johnson	2, 3, 5, 7	Sugar Grove	6940	Logan	1	35 04	93 48	500	9A O. R. Fenell	3
Durban	2176	Washington	7	35 07	93 59	1243	MID Ark. Pwr. & Lgt. Co.	3	Sugar Loaf Mountain	6944	Cleburne	7	35 29	91 58	300	7A U.S. Forest Service	5/25/54
Eagle Gap	2200	Scott	1	34 43	94 19	1150	MID Geo. E. Brink	3	Taylor	7038	Columbia	4	33 05				

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

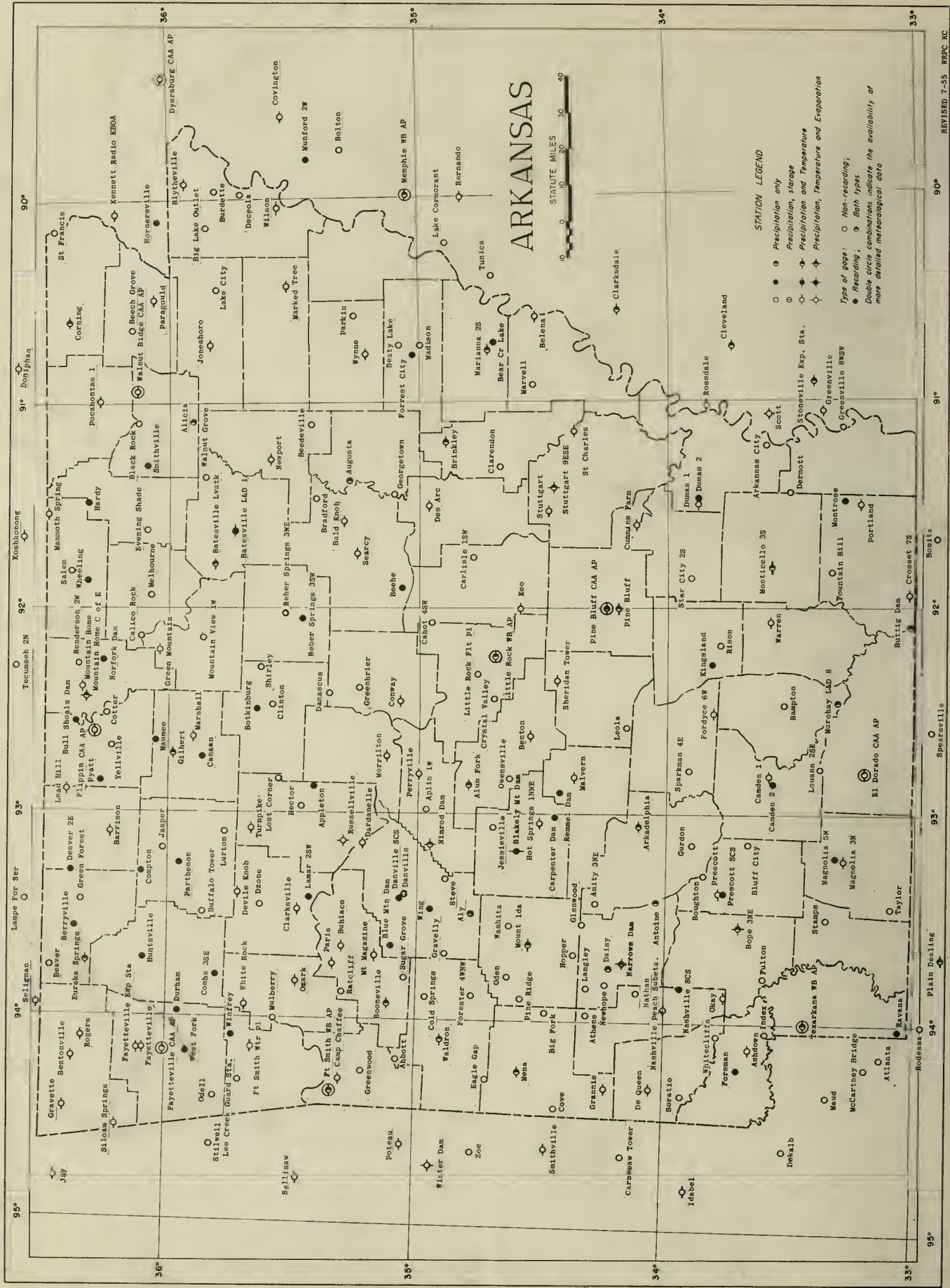
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 10-12-55 -- 1005



STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation

Type of page: ○ Non-recording,
 ● Recording, ● Bath types
 Double circle combinations indicate the availability of
 more detailed meteorological data

551.05
UNAR
V.60⁹

NAT. HIST. LIB.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

THE LIBRARY OF THE
NOV 29 1955
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

ARKANSAS

SEPTEMBER 1955
Volume LX No. 9



ASHEVILLE: 1955



ARKANSAS - SEPTEMBER 1955

WEATHER SUMMARY

September was mostly warm and sunny. There were many rainless days but generous showers over some parts of the State brought the average rainfall for the State to above normal. The bright sunny weather of the first part of the month was ideal for harvesting cotton, rice, and feed crops. The rains which fell during the latter part of the month were a boon to pastures, late hay crops, small grain, and winter legumes.

The first few days averaged slightly cooler than normal. Warm weather prevailed from the 7th to 10th. Most stations registered their warmest temperatures for the month during this period. Maximums on those days ranged mostly from the upper 90's to a few degrees over 100 degrees. The highest temperature during the period was 103 degrees at Stuttgart on the 8th. A cold front which moved across the State on the 10th and 11th preceded the coolest weather of the month. Minimums in the 40's and 50's were common on the 13th. The lowest temperature for the month was 40 degrees at Batesville Livestock and at Paragould on the 13th. The last half of the month was warmer than normal. The 20th and 21st were especially warm. The warmest temperature for the period was 103 degrees at Paris on the 21st. Monthly mean temperatures ranged from 70.9 degrees at Harrison to 79.2 degrees at Stuttgart. Temperatures averaged above normal at almost all stations. The largest temperature departures were mostly in the central and the extreme northeast part of Arkansas.

Very little rain occurred during the first three weeks of September. Frequent showers fell over parts of the State during the last decade. Some stations received generous amounts on one or more days. Monthly totals ranged from 0.27 inch at Dermott to 11.90 inches at Aplin 1 W. Many western stations received more than 4.00 inches but most eastern stations received less than 3.00 inches. A few stations in the extreme southeast received less than 1.00 inch but a few in the west central part of Arkansas received more than 6.00 inches. In general, most western stations exceeded their September rainfall normals and most eastern stations received less than normal precipitation.

Crops matured rapidly in the bright sunny weather of the first three weeks of September. Cotton picking got underway early in the month and was soon in full swing. Rice harvest got underway and the harvest of corn and sorghums for grain became general. The weather, ideal for harvest, delayed seeding of fall grains. Some farmers dusted in their oats; others waited. Pastures deteriorated and general rains were needed for late maturing crops. The rains which occurred during the last 10 days of September spurred fall seeding, benefited the pastures, and germinated the oats that had been dusted in. The rains also stopped the cotton pickers and delayed the rice harvest. The fine supply of soil moisture brightened the prospects for winter grazing. The winter feed situation was favorable. Livestock were in excellent condition. The harvest of cotton, rice, soybeans, and feed crops progressed in spite of the interruptions due to the late September rains.

STORMS

Lightning destroyed 12 head of registered Hereford cattle in a pasture near Greenwood, Sebastian County, on September 27. The cattle were valued at \$15,000. On September 30 lightning struck a farm home in eastern Washington County. The house burned. The loss was estimated at \$2,000.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
SEPTEMBER 1955

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	12:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
FORT SMITH WB AIRPORT	ENE	25	6.0	32	N	10	82	88	50	59	2	2	2	1	1	1	9	69	3.8
LITTLE ROCK WB AIRPORT	ENE	11	7.6	29	E	30	72	81	47	51	1	2	0	0	0	2	5	69	3.6
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	0	1	2	0	2	1	6	-	-

COMPARATIVE DATA

SEPTEMBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	73.4	102	40	0.94	.0	1916	75.9	101	40	3.99	.0	1941	71.3	102	39	3.60	.0
1892	70.8	96	32	2.14	.0	1917	73.0	106	37	1.25	.0	1942	70.4	100	36	3.52	.0
1893	74.0	103	36	3.75	.0	1918	74.6	104	29	4.63	.0	1943	74.3	104	38	3.23	.0
1894	73.1	100	38	3.56	.0	1919	74.9	108	40	2.72	.0	1944	73.8	103	42	1.84	.0
1895	77.1	105	32	1.36	.0	1920	79.6	100	30	3.56	.0	1945	74.0	104	39	7.85	.0
1896	73.3	106	35	3.25	.0	1921	76.2	104	35	3.38	.0	1946	72.4	100	33	1.48	.0
1897	76.6	108	33	0.60	.0	1922	73.0	106	37	1.25	.0	1947	76.0	112	36	3.28	.0
1898	75.2	104	40	7.35	.0	1923	79.7	98	45	5.56	.0	1948	72.6	102	35	0.88	.0
1899	71.9	109	38	1.21	.0	1924	80.5	103	29	3.99	.0	1949	69.1	99	38	9.20	.0
1900	78.0	104	48	4.25	.0	1925	76.8	113	47	5.96	.0	1950	70.1	95	33	5.35	T
1901	68.4	101	32	3.08	.0	1926	75.9	101	40	3.99	.0	1951	71.9	108	37	4.61	T
1902	70.7	99	30	5.06	.0	1927	70.5	104	32	3.37	.0	1952	71.7	104	34	2.04	T
1903	75.4	102	34	2.47	.0	1928	73.4	101	32	0.45	.0	1953	74.7	106	32	0.99	T
1904	74.2	101	37	2.46	.0	1929	75.7	102	41	2.46	.0	1954	77.3	109	37	2.62	T
1905	75.7	100	44	3.90	.0	1930	78.4	106	35	4.10	.0	1955	75.7	103	40	3.32	.0
1906	73.9	100	47	6.24	.0	1931	73.8	102	34	1.00	.0	ALL YEARS	74.2			3.28	T
1907	73.4	106	38	2.22	.0	1932	78.5	103	35	2.54	.0						
1908	74.7	101	29	4.00	.0	1933	71.3	102	41	5.10	.0						
1909	76.4	108	31	2.84	.0	1934	72.4	100	37	5.46	.0						
1910	79.0	101	44	2.41	.0	1935	78.9	103	35	3.13	.0						
1911	78.5	102	46	3.67	.0	1936	72.7	109	38	4.15	.0						
1912	71.7	106	32	2.40	.0	1937	75.7	102	34	4.27	.0						
1913	74.4	108	33	10.10	.0	1938	79.9	107	32	1.55	.0						
1914	74.9	101	38	3.19	.0	1939	71.2	112	35	1.77	.0						
1915	72.5	100	34	1.43	.0	1940	75.4	100	31	1.83	.0						

BEGINNING WITH 1955, AVERAGES HAVE BEEN WEIGHTED ACCORDING TO AREA AND ARE NOT COMPARABLE WITH UNWEIGHTED VALUES PUBLISHED IN THIS TABLE FOR EARLIER YEARS.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										90° or Above	32° or Below	32° or Below	32° or Below					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
HIGHLAND DIVISION	90.5	62.3	76.4	2.6	99	8	50	13	0	20	0	0	0	0	7.53	5.19	3.70	30	0.0	0	0	4	3	2
ALUM FORK	90.4	63.0	76.7		99	8	53	34	0	17	0	0	0	0	8.00		4.20	23	0.0	0	0	3	3	2
ASHDOWN	91.0	60.5	75.8	1.2	99	7+	46	13	0	19	0	0	0	0	3.57		2.22	23	0.0	0	0	3	3	0
RENTON	87.3	58.6	73.0	1.0	96	8+	46	12	0	14	0	0	0	0	2.37	1.85	0.80	28	0.0	0	0	3	3	0
BENTONVILLE	93.0	62.5	77.8		102	21	51	14	0	23	0	0	0	0	3.88		1.42	30	0.0	0	0	4	3	2
BOONEVILLE	89.8	62.5	76.0		97	9+	52	13+	0	19	0	0	0	0	6.60		3.64	23	0.0	0	0	3	3	1
CAMP CHAFFEE	91.1	61.5	76.5		100	8	50	24	0	22	0	0	0	0	3.44		2.07	30	0.0	0	0	3	3	2
CLARKSVILLE	90.8	63.0	76.9	2.1	100	7+	49	13	0	19	0	0	0	0	4.63	1.28	2.44	30	0.0	0	0	3	3	2
CONWAY	91.4	63.1	77.3	1.9	99	7	52	14	0	23	0	0	0	0	4.56	1.25	2.52	29	0.0	0	0	3	3	1
DARDANVILLE	91.2	60.5	75.8	0.2	99	8	48	13	0	21	0	0	0	0	4.30	1.94	3.80	23	0.0	0	0	3	3	1

CLIMATOLOGICAL DATA

ARKANSAS
SEPTEMBER 1955

TABLE 2 - CONTINUED

Station	Temperature												Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days		
										Max. 90° or Above	32° or Below	Min. 0° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	
																						1.00 or More
DEVILS KNOB	83.7	64.2	74.0		94	0	52	12	2	0	0	0	4.96		3.00	30	0.0	0	0	0	4	2
EUREKA SPRINGS	89.1	61.1	75.1	2.8	99	0	50	2	0	16	0	0	4.28	- 0.23	2.92	30	0.0	0	0	0	4	2
FAYETTEVILLE	86.6	60.6	73.6		95	8	49	2	0	12	0	0	4.28		1.84	30	0.0	0	0	0	5	3
FAYETTEVILLE CAA AP	86.3	57.9	72.1		95	8	45	2+	0	11	0	0	4.79		1.94	29	0.0	0	0	0	5	3
FAYETTEVILLE EXP STA	86.6	58.0	72.3	0.2	95	8	46	13	0	13	0	0	4.14	0.23	1.89	30	0.0	0	0	0	4	4
FLIPPIN CAA AP	89.0	57.4	73.2		97	8+	43	13	0	17	0	0	2.40		2.09	22	0.0	0	0	0	4	2
FORT SMITH WB AP	R // 89.5	64.5	77.0	2.0	98	8+	55	13+	0	18	0	0	4.65	0.94	2.09	22	0.0	0	0	0	4	2
FT SMITH WATER PLANT	89.5	57.9	73.7		96	19+	48	2+	0	16	0	0	3.80		2.48	30	0.0	0	0	0	5	3
GILBERT	89.9M	55.7M	72.8M		100	7	44	14	0	18	0	0	1.99	- 1.58	1.03	30	0.0	0	0	0	4	2
GRANNIS	86.3	62.9	74.6	0.6	96	8	55	13	0	8	0	0	6.13		1.89	4.72	23	0.0	0	0	2	2
GRAVETTE	87.0	58.1	72.6	1.4	95	21	47	13	0	14	0	0	3.30	- 0.93	1.54	30	0.0	0	0	0	6	2
GREEN MOUNTAIN																						
HARRISON	87.9	53.9	70.9	0.2	97	8	41	12+	6	15	0	0	2.60	- 1.36	1.30	30	0.0	0	0	0	4	2
HOPE 3 NF	AM 90.6M	62.3M	76.5M	0.5	100	9	53	13	0	20	0	0	3.69	0.63	2.52	23	0.0	0	0	0	5	2
HOT SPRINGS 1 NNE	90.8	65.0	77.9	2.1	101	8	52	26	0	21	0	0	4.76	1.39	2.33	23	0.0	0	0	0	4	3
LEATO HILL	89.4	56.2	72.8	0.9	99	19+	42	12+	4	16	0	0	4.93		2.74	30	0.0	0	0	0	4	4
LITTLE ROCK WB AP	R // 89.4	65.5	77.5	2.7	99	7+	57	13+	0	19	0	0	4.75	1.90	2.40	30	0.0	0	0	0	2	2
MALVERN	90.8	61.5	76.2		100	8	50	13	0	16	0	0	4.70		2.46	23	0.0	0	0	0	5	2
MAMMOTH SPRING	91.5	56.0	73.8	2.1	100	20	42	13	1	18	0	0	2.27	- 1.25	1.70	30	0.0	0	0	0	3	1
MARSHALL	87.8M	58.0	72.9M	1.1	97		44	2+	4	15	0	0	3.57	- 0.46	1.33	28	0.0	0	0	0	5	3
ØMENA	87.5	63.7	75.6	1.3	95	8+	56	6+	0	12	0	0	3.38	- 0.48	3.23	23	0.0	0	0	0	1	1
MORRILTON	90.6	61.9	76.3	1.3	100	7+	49	13	0	20	0	0	4.09	1.26	2.04	23	0.0	0	0	0	4	3
MOUNT IOA	88.7	59.4	74.1	1.0	97	9	47	13	0	15	0	0	4.00	0.53	3.60	23	0.0	0	0	0	2	1
MOUNT MAGAZINE	82.4M	64.3M	73.4M		93	8	56	12	2	4	0	0	3.85		1.77	30	0.0	0	0	0	5	2
MOUNTAIN HOME	88.3	59.8	74.1	2.3	97	8	42	2	1	14	0	0	2.27	- 1.48	1.12	30	0.0	0	0	0	5	1
MOUNTAIN HOME C OF ENG	AM 89.3	58.7	74.0		98	8	46	13	0	20	0	0	2.29		1.20	30	0.0	0	0	0	4	2
NARROWS OAM	AM 90.6M	62.2M	76.4M		98	8			0	20	0	0	4.49		3.40	23	0.0	0	0	0	3	2
NASHVILLE PFACH SUBSTA	AM 89.7	63.2	76.5		100	9	53	13	0	17	0	0	4.91		3.20	23	0.0	0	0	0	4	3
NIMROD OAM	AM 91.9	60.2	76.1		101	8	47	13	0	22	0	0	6.08		2.25	23	0.0	0	0	0	4	3
OKAY	90.8	64.3	77.6	0.9	100	8	53	13	0	21	0	0	6.64	3.82	2.28	23	0.0	0	0	0	5	3
OZARK	91.6	61.7	76.7	1.1	102	8	51	2	0	21	0	0	4.27	0.87	4.00	23	0.0	0	0	0	4	3
PARIS	93.8	61.1	77.5		103	21	48	13	0	24	0	0	3.72		1.80	30	0.0	0	0	0	4	3
PERRYVILLE	91.3	60.2	75.8	2.8	101	8	48	13+	0	21	0	0	8.68	5.18	3.78	30	0.0	0	0	0	4	3
ROGERS	86.1	61.4	73.8	2.6	94	8+	53	2+	0	12	0	0	3.43	- 0.65	1.71	30	0.0	0	0	0	5	3
RUSSELLVILLE	91.8	61.5	76.7	2.5	101	8	49	13	0	20	0	0	4.71		2.16	30	0.0	0	0	0	4	2
SHERIDAN TOWER	92.5	60.8	76.7		101	8	48	13	0	20	0	0	4.90		2.50	23	0.0	0	0	0	2	2
SILOAM SPRINGS	AM 87.8	59.4	73.6		98	21	47	13	1	13	0	0	3.52		1.86	30	0.0	0	0	0	5	2
SUBIACO	92.7	63.6	78.2	3.1	102	8	53	13	0	21	0	0	3.52	0.13	1.77	23	0.0	0	0	0	3	2
TEXARKANA WB AP	R // 88.9	66.6	77.8	0.6	96	7+	57	13	0	17	0	0	6.83	4.04	3.27	23	0.0	0	0	0	5	3
TURNPIKE	84.0	63.7	73.9		93	8	51	12	2	6	0	0	4.89	0.03	2.63	30	0.0	0	0	0	5	3
WALORON	92.0	58.5	75.3		101	8	46	13+	0	21	0	0	2.07	- 1.09	1.30	23	0.0	0	0	0	3	2
WHITE ROCK	83.6	64.8	74.2		92	8+	54	12	1	6	0	0	4.00		2.64	30	0.0	0	0	0	4	2
DIVISION								75.2							4.35	0.96		0.0				
DELTA DIVISION																						
ARKADELPHIA	92.2	64.1	78.2	2.0	100	7+	54	14	0	20	0	0	3.10	0.33	1.40	22	0.0	0	0	0	5	2
BALO KNOB	89.1	59.0	74.1		102	8	40	13	0	16	0	0	2.87		1.42	30	0.0	0	0	0	3	2
BATESVILLE LIVESTOCK	AM 92.3	56.2	74.3		99	7+	43	13	2	20	0	0	2.06		1.10	30	0.0	0	0	0	3	2
BATESVILLE L AND O NO 1	90.2	59.1	74.7		99	7+	43	13	0	18	0	0	2.24	- 1.30	0.87	30	0.0	0	0	0	3	3
BLYTHEVILLE	AM 89.2	61.4	75.3	1.1	98	21	46	13	3	17	0	0	3.53	0.41	2.73	30	0.0	0	0	0	4	1
BRINKLEY	90.0M	63.9M	77.0M	2.2	99	20			0	16	0	0	2.45	- 1.33	1.45	23	0.0	0	0	0	3	3
CAMDEN 1	AM 90.6	63.0	76.8	1.2	98	9	51	13	0	19	0	0	2.35	- 1.26	3.56	23	0.0	0	0	0	3	2
CORNING	AM 89.2	61.5	75.4	2.7	100	8	46	13	3	16	0	0	2.85	- 0.63	1.25	11	0.0	0	0	0	3	2
CROSSETT 7 S	92.0	63.7	77.9	2.3	98	20	53	2+	0	23	0	0	0.89	- 1.50	0.50	28	0.0	0	0	0	2	1
CUMMINS FARM	90.2	59.8	75.0		98	8	48	13	0	17	0	0	1.90		1.38	30	0.0	0	0	0	2	2
OES ARC	AM 89.3	59.4	74.4		99	8+	44	13	2	17	0	0	2.31		1.15	23	0.0	0	0	0	3	2
OMAS 1	92.5	63.7	78.1	2.0	101	8	50	13	0	22	0	0	3.03	0.06	2.00	30	0.0	0	0	0	4	1
EL OORADO CAA AP	90.9	65.5	78.2	1.0	97	8+	57	13	0	19	0	0	1.07	- 1.82	0.45	23	0.0	0	0	0	4	0
FOROYCE 6 W	91.2	65.7	78.5	2.2	99	8	53	13	0	21	0	0	2.61	- 1.33	1.20	30	0.0	0	0	0	3	3
HELENA	91.6	63.9	77.8	2.5	98	7+	51	13	0	20	0	0	1.95	- 1.33	0.85	23	0.0	0	0	0	3	2
JONESBORO	89.9	63.5	76.7	2.3	99	7	52	13	0	19	0	0	1.97	- 1.39	1.10	30	0.0	0	0	0	3	2
KEO	89.7	60.7	75.2		98	8+	47	13	0	17	0	0	3.88		1.95	23	0.0	0	0	0	3	2
MAGNOLIA 3 N	AM 90.6	62.8	76.7	- 0.9	98	20	52	13	0	20												

DAILY PRECIPITATION

ARKANSAS
SEPTEMBER 1955

Table 3-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
HARKEO TREE	1.45																								.42	.10				.01	.92	
MARSHALL	3.57									.57	.36													.44				T	1.33	.87		
MARVELL	2.27																						*	1.50						*	.77	
MELBOURNE	1.50																						T	3.48							.63	
MENA	3.38											T										T	T	3.23	T	.02	.04	T		.09		
MONTICELLO 3 S	.54	T										T												.04	.03					.47		
MOROSAY L AND O NO B	.62																						T	.19	.27							
MORRILTON	4.09									.83	.05													.03	2.04	.18	.11		T	.01	1.00	
MOUNT IDA	4.00									.05														3.60	.02					.26	.07	
MOUNT MAGAZINE	3.85									.10														.10	1.65				.23	1.77		
MOUNTAIN HOME	2.27																							.38	.10		.22	.42	.03	1.12		
MOUNTAIN HOME C OF ENG	2.29																							.54			.15	.40		1.20		
MOUNTAIN VIEW 1 W	2.18																							.61	.06		T		.02	1.49		
MULBERRY	3.87										.12													.75					.10	2.90		
NARROWS DAM	4.49										.77													3.40	.32							
NASHVILLE PEACH SUBSTA	4.91										.97	.02					T		T					.17	3.20	.51	.04					
NATHAN	4.90										.15													T	3.95	.57				.23		
NEWHOPE	6.29											.32												3.00	2.97							
NEWPORT	2.64											T												1.75	.22					.67		
NIMROD DAM	6.08										1.83													2.25						2.00		
ODELL	3.50											.04												.25			.27	.35	.50	2.09		
ODEN	3.70									.95														2.00	.07	T			.34	.34		
OKAY	6.64										1.22													.29	4.00	.16	.02	T		.95		
OSCEOLA	2.29										T													.66	.58				.19	.86		
OWENSVILLE	6.58										.21												.77	3.63	.02	T			T	1.95		
OZARK	4.27										.65													T	.93		T	T	.41	2.28		
OZONE	5.25										1.20								.10					1.50	T	T	T	T	T	2.45		
PARAGOULO	2.74																							.22	1.46				.12	.94		
PARIS	3.72									.04									T					.95	.75	.14	.01		.14	1.80		
PARKIN	1.98																							.26	1.10					.62		
PERRYVILLE	8.68									1.43	.16													.08	3.14		T	.09	3.78			
PINE BLUFF	2.22										T													1.19	1.01				.02	T		
PINE BLUFF CAA AP	3.04																							.35	.87	T			.03	1.79		
PINE RIDGE	3.28										.44													2.09	.10	.05			.04	.42	1.14	
POCAHONTAS 1	1.55										.24													.12	.03				.08	1.08		
PORTLAND	.95										.05	T												T	T	.10				.80		
PRESCOTT	3.20										.45	.07												.13	1.95	.56	.04			1.90		
RATCLIFF	3.13										.11													1.00			T		.12			
RISON	.46																							.40	.06							
ROGERS	3.43										T													.21	.55		T	.52	.40	.04	1.71	
RUSSELLVILLE	4.71										.11													.28	2.13			.03	2.16			
SAINT CHARLES	1.37										.02													1.10	.12					.13		
SAINT FRANCIS	1.55																							.23	.77				T	.55		
SALEM	2.33										.52													.34					.47	1.00		
SEARCY	2.26																						.02	.81	.14				T	1.29		
SHERIDAN TOWER	4.90																							2.50					T	2.40		
SHIRLEY	3.21																							1.03						2.15		
SILOAM SPRINGS	3.52										.11													.02	.95		.47	.11	1.86			
SPARKMAN 4 E	2.31																							*	2.01					.30		
STAMPS	2.64										.30	.07												1.30	.57	.40						
STAR CITY 2 S	1.01				.25																			.08	.09				.12	.47		
STEVE	2.80																							1.50						1.30		
STUTTGART	2.24																							.60	1.16					.40	.08	
STUTTGART 9 ESE	2.16																							1.01	.44					.41	.30	
SUBTACO	3.52											.26												1.77						.06	1.43	
SUGAR GROVE	2.84										.05													1.21					.18	1.40		
TAYLOR	1.86																							.02	1.29	.55						
TEXARKANA WB AP	6.83	R//								.09	1.46													.33	3.27	.33				1.35		
TURNPIKE	4.89										.19													.31	.54					1.22	2.63	
WALORON	2.07										T													T	1.30		T	T	T	.10	T	.67
WALNUT GROVE	1.75										.20														.58					T	.97	
WALNUT RIDGE CAA AP	2.09										.32													.38				.01		.85	.53	
WARREN	.49										.10	T												.14	.07			T		.18		
WASHITA	3.70																							2.80						.90		
WHITE ROCK	4.00																							1.13			T	.13	.10	T	2.64	
WHITECLIFFS	4.30																							.10	2.45	.65	.10					
WILSON	2.33											1.00	T												.05	.80				.04	1.73	
WYNNE	1.81																													.08	.84	
YELLVILLE	2.70																											*			2.70	

DAILY TEMPERATURES

ARKANSAS
SEPTEMBER 1955

Table 5

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
ALUM FORK	MAX	88	85	85	95	90	94	97	98	97	93	87	83	90	93	93	90	91	95	95	94	94	94	85	80	78	78	89	92	90	89	89	90.5
	MIN	58	52	54	56	59	60	63	65	65	64	68	58	50	54	65	63	66	68	67	69	68	72	69	69	66	61	66	68	70	68	62.3	
ARKADELPHIA	MAX	89	87	90	89	95	96	100	100	97	95	87	87	93	96	97	95	96	94	96	98	99	93	80	78	84	89	93	93	93	93	92.2	
	MIN	59	55	58	60	60	61	60	63	65	65	68	62	55	54	67	63	66	68	67	69	68	72	69	69	66	61	66	68	70	68	64.1	
ASHOOWN	MAX	89	88	88	89	92	92	98	99	95	95	88	85	84	93	93	86	94	91	94	96	95	92	80	75	83	89	92	92	92	89	90.4	
	MIN	56	54	53	57	57	57	58	61	62	64	68	65	53	54	66	61	62	67	66	67	67	71	69	70	68	64	67	70	67	70	63.0	
BALO KNOB	MAX	84	84	83	85	89	92	98	98	96	93	88	81	86	93	90	90	91	92	95	97	97	93	77	82	78	87	93	86	90	85	89.1	
	MIN	57	49	48	49	56	54	58	60	59	62	67	57	44	48	60	57	58	61	58	65	64	64	70	61	64	60	62	66	66	66	59.0	
BATESVILLE LIVESTOCK	MAX	88	90	89	89	92	95	97	102	100	99	96	85	85	89	95	93	94	95	95	98	100	99	94	82	84	79	88	95	90	93	92.3	
	MIN	56	46	46	49	53	52	53	57	61	60	58	45	40	45	62	55	56	56	57	63	63	64	67	62	56	58	58	61	66	62	56.2	
BATESVILLE L AND O NO 1	MAX	86	86	85	89	93	95	99	99	97	96	83	82	88	92	91	92	93	94	97	96	97	93	82	85	79	89	91	90	90	77	90.2	
	MIN	55	49	49	50	55	53	56	58	62	63	64	51	43	46	64	57	58	60	68	65	65	65	69	67	64	57	61	65	68	66	59.1	
BENTON	MAX	88	88	86	88	92	95	99	99	96	93	87	84	91	93	94	93	94	96	96	97	97	96	83	80	81	88	92	91	91	82	91.0	
	MIN	56	50	50	53	55	56	55	59	61	61	67	60	46	49	62	57	59	61	62	66	66	64	68	65	70	58	74	74	66	65	60.5	
BENTONVILLE	MAX	84	85	83	85	91	94	92	96	95	85	78	84	90	92	93	93	93	93	92	95	96	83	81	80	70	80	84	83	89	80	87.3	
	MIN	52	50	53	53	51	52	52	56	61	65	57	46	49	52	58	62	59	63	64	64	64	65	64	62	62	59	68	63	67	64	58.6	
BLITHEVILLE	MAX	84	82	84	83	88	90	94	97	96	97	93	81	80	89	91	90	92	91	93	95	98	97	97	75	81	79	88	92	88	92	89.2	
	MIN	58	54	53	57	58	59	64	67	67	68	66	47	46	54	64	62	61	62	60	66	69	67	69	64	60	57	63	66	68	66	61.4	
BOONEVILLE	MAX	90	90	87	88	95	97	100	101	99	96	85	92	94	97	95	95	98	96	98	100	102	94	87	82	76	91	94	93	94	83	93.0	
	MIN	56	52	53	59	57	55	57	58	61	65	59	56	52	51	63	68	65	70	66	69	68	74	71	66	68	64	68	68	71	66	62.5	
BRINKLEY	MAX	82	82	83	88	88	90	93	95	97	94	86		89	91	91	92	93	92	96	99	97	94	80	81	88	89	94	86	92	87	90.0	
	MIN	60	61	61	62	60	62	71	73		69	66		55	64		59	64	63	60	65	67	68	68	67	60	57	63	66	69	66	63.9	
CAMOEN 1	MAX	88	90	87	88	89	92	93	92	98	96	93	88	87	93	92	93	91	93	94	96	97	96	81	80	76	85	89	94	94	92	90.6	
	MIN	59	55	56	57	59	59	63	63	63	64	68	64	51	55	55	63	63	63	63	68	67	68	72	70	66	62	63	69	72	73	63.0	
CAMP CHAFFEE	MAX	85	87	85	85	82	90	93	96	97	95	94	93	83	91	94	93	93	94	94	95	97	97	84	86	81	73	87	91	90	90	89.8	
	MIN	56	54	55	61	58	55	59	58	61	64	63	58	52	52	61	65	60	67	67	71	65	71	69	64	66	63	66	68	70	66	62.2	
CLARKSVILLE	MAX	90	87	86	90	94	96	99	100	98	96	83	85	91	95	93	95	94	93	96	98	99	92	86	82	77	90	93	92	92	74	91.1	
	MIN	58	50	53	57	57	54	58	57	61	64	64	53	50	52	65	65	65	70	65	68	67	72	69	68	68	59	66	67	69	65	61.9	
CONWAY	MAX	87	86	85	89	93	96	100	100	97	93	86	85	91	95	93	93	95	93	97	98	98	93	83	82	79	88	93	90	93	72	90.8	
	MIN	57	52	53	55	58	59	60	63	67	66	69	56	49	53	68	65	65	67	65	69	70	72	70	68	67	58	66	68	70	67	63.0	
CORNING	MAX	89	88	85	85	87	92	97	100	97	98	94	84	78	86	91	89	90	91	91	93	97	96	95	78	77	75	85	90	86	91	89.2	
	MIN	58	55	53	53	55	57	61	61	64	67	65	58	46	56	59	62	60	61	59	69	69	70	71	66	63	61	64	65	69	68	61.5	
CROSSETT 7 S	MAX	89	88	90	90	92	92	96	97	97	95	92	88	92	92	90	92	92	91	94	97	96	90	85	81	84	90	95	93	93	89	90.2	
	MIN	63	53	58	58	58	64	60	60	61	64	68	67	53	61	64	58	63	65	63	65	65	70	72	70	65	61	66	72	70	70	59.8	
CUMMINS FARM	MAX	86	86	83	87	89	91	96	98	96	91	89	83	89	92	89	92	91	92	91	94	97	96	85	81	84	90	95	93	93	89	90.2	
	MIN	57	51	53	55	54	57	51	60	60	63	60	59	48	57	60	58	63	65	63	65	65	61	69	65	63	55	61	67	68	64	59.8	
DAROANELLE	MAX	90	87	85	90	95	95	99	98	97	95	84	84	90	95	95	94	93	93	97	96	98	91	91	92	81	87	93	90	92	75	91.4	
	MIN	60	53	54	57	60	59	60	61	63	65	67	58	53	52	67	63	65	70	66	69	69	73	70	68	68	61	67	68	70	56	63.1	
DE QUEEN	MAX	90	89	88	88	93	95	98	99	95	95	86	85	90	94	97	91	93	92	97	98	97	91	82	78	81	91	94	93	93	82	91.2	
	MIN	54	53	52	55	57	56	55	57	61	61	65	61	48	49	62	62	61	65	61	64	63	67	65	66	64	60	64	65	67	69	60.3	
DES ARC	MAX	83	84	85	85	86	90	93	99	99	97	92	83	81	86	92	90	91	93	92	95	98	91	93	79	81	80	89	94	86	93	89.3	
	MIN	57	50	51	51	54	56	57	59	60	63	65	54	44	59	63	59	59	62	60	63	68	68	67	64	63	56	59	62	65	63	59.4	
DEVILS KNOB	MAX	80	79	78	82	86	92	93	94	92	88	73	76	83	87	87	85	86	87	88	90	93	85	77	75	70	79	85	83	84	73	83.7	
	MIN	57	59	62	63	68	70	71	70	70	63	60	52	57	65	66	65	65	66	69	73	71	69	62	62	58	58	66	62	66	60	64.2	
DUMAS 1	MAX	88	89	88	91	92	95	99	101	100	95	91	83	92	95	91	92	94	92	98	100	100	90	87	82	81	93	99	93	95	88	92.5	
	MIN	58	53	56	57	59	61	61	64	64	68	68	62	50	62	64	62	66	68	65	67	69	71	73	68	66	59	66	71	69	65	63.7	
EL DORADO CAA AP	MAX	88	85	88	89	91	92	96	97	96	94	88	87	92	94	93	93	94	94	96	97	95	88	82	76	86	91	94	94	92	86	90.9	
	MIN	62	59	59	63	62	63	64	64	65	67	69	63	57	60	68	62	66	66	66	66	67	72	72	70	67	65	69	72	72	69	65.5	
EUREKA SPRINGS	MAX	86	87	83	89	92	97	96	99	96	89	88	82	92	95	93	92	94	92	91	94	96	96	90	81	80	71	81	84	88	91	82	89.1
	MIN	53	50	53	58	56	58	66	56	6																							

DAILY TEMPERATURES

ARKANSAS
SEPTEMBER 1955

Table 5 - 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	
HOT SPRINGS 1 NNE	MAX	91	89	88	91	95	96	100	101	96	94	84	86	90	93	93	91	93	94	95	97	95	90	80	76	81	88	90	90	91	85		
	MIN	62	59	60	61	63	64	67	61	63	68	67	59	55	60	69	67	66	69	68	75	65	74	68	67	66	52	69	67	71	68		
JONESBORO	MAX	83	84	84	90	94	96	99	98	98	95	85	81	91	93	92	93	93	95	96	98	97	95	74	80	77	88	93	89	93	74		
	MIN	62	56	57	57	61	59	65	65	67	69	66	57	52	60	65	63	64	64	64	71	69	69	69	65	62	60	65	67	69	66		
KEO	MAX	86	86	86	87	91	92	97	98	98	95	87	81	88	94	91	91	93	92	95	97	97	90	81	81	80	86	93	88	92	79		
	MIN	56	51	51	55	54	56	57	61	63	62	68	57	47	53	62	58	62	63	63	66	67	68	70	68	66	57	63	66	67	66		
LEAO HILL	MAX	87	84	83	88	91	96	97	97	97	94	81	82	90	95	94	93	94	94	99	99	90	85	85	85	76	80	86	88	93	79		
	MIN	49	43	48	49	49	50	53	50	64	57	57	42	48	42	56	56	56	57	62	63	64	65	66	64	56	62	64	65	67	63		
LITTLE ROCK WB AP	MAX	86	86	86	88	91	95	99	99	97	91	84	83	89	93	91	90	93	91	95	94	96	87	82	80	80	88	93	86	91	77		
	MIN	64	60	60	62	61	62	65	69	68	67	70	60	57	57	67	62	64	68	68	74	71	72	70	68	67	62	67	66	70	66		
MAGNOLIA 3 N	MAX	87	84	85	87	89	92	96	97	97	93	93	85	90	95	91	92	92	91	96	98	96	90	84	76	84	90	94	94	92	87		
	MIN	58	53	54	58	58	57	59	59	62	65	65	64	52	54	65	60	64	67	63	65	68	73	70	70	65	63	65	68	70	69		
MALVERN	MAX	88	86	86	88	94	94	99	100	97	93	86	84	91	94	92	91	92	92	96	97	97	92	82	79	82	88	93	93	92	87		
	MIN	49	43	48	49	49	50	53	50	64	63	67	60	50	52	65	60	63	66	64	67	65	65	66	64	56	62	64	65	67	63		
MAMMOTH SPRING	MAX	87	89	88	90	95	99	99	97	99	95	84	82	89	95	95	94	95	95	98	100	99	97	85	84	79	81	94	88	91	81		
	MIN	52	46	46	47	52	50	54	54	56	60	60	45	42	44	59	55	54	59	55	62	64	62	66	63	60	56	59	65	67	65		
MARIANNA 2 S	MAX	85	84	84	84	87	89	91	97	97	95	90	86	90	88	90	91	92	91	95	95	96	94	78	79	77	88	82	85	92	87		
	MIN	57	52	55	54	54	56	57	62	63	67	68	56	49	60	64	61	65	64	63	63	67	67	69	66	66	58	65	67	69	67		
MARKEO TREE	MAX	84	85	85	84	87	90	93	96	95	97	94	83	80	89	91	90	93	92	92	93	96	96	95	78	82	81	88	93	88	92		
	MIN	59	55	54	53	56	57	59	63	63	66	66	51	48	55	63	62	61	63	61	65	67	68	69	68	68	69	66	67	66	66		
MARSHALL	MAX	85	83	82	84	89	95	98	97	96	90	75	88	91	90	90	90	90	94	93	95	86	84	82	78	81	92	86	84	77	87		
	MIN	50	44	47	48	51	58	57	52	52	62	62	48	44	57	62	67	62	63	59	62	71	70	62	60	57	66	65	60	62	62		
MENA	MAX	85	85	82	81	88	92	94	95	92	90	83	83	89	92	90	89	92	90	94	95	93	87	80	77	76	87	89	89	87	80		
	MIN	57	56	56	58	59	60	61	64	65	70	67	62	57	56	65	63	63	68	65	72	70	70	68	65	64	62	66	66	70	67		
MONTICELLO 3 S	MAX	89	86	88	90	91	93	96	100	97	93	87	87	86	91	90	91	92	91	92	96	97	93	83	79	93	92	94	93	88	88		
	MIN	62	50	58	62	57	60	61	63	64	66	64	63	57	62	65	60	65	64	62	66	68	71	72	70	65	60	68	71	71	68		
MORRILTON	MAX	91	88	87	90	93	95	100	100	98	92	85	84	89	94	93	92	93	94	96	96	98	90	85	84	77	87	92	91	91	73		
	MIN	60	54	52	54	57	59	59	64	64	64	68	56	49	51	66	61	62	67	63	67	67	70	70	68	67	55	65	65	68	66		
MOUNT IOA	MAX	82	84	84	85	86	90	92	95	97	93	91	85	83	88	92	91	90	92	89	93	96	95	88	88	76	78	89	91	87	90		
	MIN	54	51	51	55	54	55	55	59	60	61	66	57	47	48	59	59	58	63	61	68	63	64	68	64	66	58	63	64	63	68		
MOUNT MAGAZINE	MAX	81	78			89	91	93	87	85	75	75	82	87	85	86	86	85	83	85	85	87	90	90	83	75	73	67	80	83	81	76	
	MIN	61	59			65	69	68	72	63	64	56	59	66	66	65	64	65	65	68	70	68	66	62	61	59	59	66	66	68	60		
MOUNTAIN HOME	MAX	86	86	85	84	93	94	95	97	95	92	80	82	84	94	92	93	93	94	94	94	95	87	85	85	75	76	88	87	89	75		
	MIN	57	42	53	54	54	57	62	61	64	65	62	48	48	51	64	62	63	65	63	67	67	67	65	65	61	59	64	66	64	64		
MOUNTAIN HOME C OF ENG	MAX	89	85	85	85	88	94	96	96	98	97	93	80	81	88	95	91	91	92	92	96	96	97	90	84	83	74	76	90	87	91		
	MIN	54	48	50	51	54	53	58	55	60	61	63	50	46	49	62	59	60	63	61	66	65	66	61	62	60	59	66	67	65	65		
NARROWS OAM	MAX	86	87			86	89	92	95	98	95	94	85	85	91	94	96	96	93	92	96	96	96	91	79	78	83	90	92	92	91		
	MIN	57		55	59	57	58	57	59	60	62	68	64	51	52	64	60	59	65	63	67	63	68	69	67	68	61	64	68	67	71		
NASHVILLE PEACH SUBSTA	MAX	85	88	86	81	88	94	94	98	100	95	95	86	84	89	92	90	89	93	91	95	96	96	90	79	75	82	89	91	90	90		
	MIN	59	56	58	63	60	59	63	67	63	65	66	63	53	56	62	63	66	67	66	67	65	68	67	68	66	62	64	68	69	71		
NEWPORT	MAX	87	88	86	89	92	96	99	99	98	96	85	86	91	95	94	95	94	96	98	98	99	95	77	84	79	89	94	89	94	84		
	MIN	58	55	56	53	58	56	58	64	62	63	64	51	46	51	63	59	62	62	70	68	69	68	68	64	61	57	65	66	67	64		
NIMROD DAM	MAX	86	89	88	87	90	94	96	101	100	98	94	85	85	91	94	94	91	93	94	94	98	92	92	83	83	90	93	93	92	91		
	MIN	57	52	52	55	56	58	58	60	64	62	65	55	47	50	58	57	62	64	66	66	67	70	69	65	65	58	61	61	60	66		
OKAY	MAX	90	88	85	89	92	94	98	100	95	93	90	84	89	93	91	90	94	92	96	97	96	91	80	75	85	90	92	92	93	89		
	MIN	59	56	56	59	59	59	60	63	64	65	69	65	53	55	67	64	63	69	66	69	69	71	69	72	68	63	67	70	72	67		
OZARK	MAX	93	90	89	91	95	96	98	102	97	95	85	84	90	95	94	93	94	94	98	98	100	89	88	84	76	88	92	90	95	75		
	MIN	57	51	54	59	56	55	59	58	60	64	61	55	54	52	62	66	65	68	65	69	66	68	64	64	67	62	66	65	69	64		
PARAGOULO	MAX	85	83	84	88	91	94	99	97	99	93	85	80	88	90	92	95	93	93	97	98	98	97	75		75	88	86	87	92	84		
	MIN	58	53	49	50	54	54	58	59	59	63	64	54	40	52	63	58	56	57	56	62	64	65	69	65	60	59	61	65	67	67		
PARIS	MAX	91	90	88	90	95	98	100	101	100	98	87	87	95	99	99	96	96	95	97	101	103	91	88	95	77	90	95	94	95	82		
	MIN	56	51	53	56	59	55	60	58	61	63	64																					

DAILY TEMPERATURES

ARKANSAS
SEPTEMBER 1955

Table 5 - 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	
STUTTGART 9 FSF	MAX	87	82	85	86	86	90	92	97	99	96	93	89	84	90	92	91	92	94	92	95	97	96	91	81	81	79	88	93	88	91	89.9	
	MIN	60	53	58	56	55	57	58	62	62	66	69	57	51	58	64	62	64	66	63	66	68	67	69	64	64	58	60	67	68	66	61.9	
SUBIACO	MAX	92	90	88	90	96	98	100	102	99	95	85	87	95	98	98	95	96	98	97	99	101	89	88	85	76	89	97	92	93	79	92.7	
	MIN	60	56	55	58	62	59	65	63	63	68	64	57	53	54	64	65	65	68	67	70	69	72	70	67	67	61	67	67	67	64	63.6	
TEXARKANA WB AP	MAX	88	85	86	88	90	92	96	96	93	92	85	85	89	91	89	90	91	90	94	94	92	90	75	74	85	88	92	90	91	86	88.9	
	MIN	63	60	60	61	63	63	63	66	69	70	68	64	57	61	70	67	66	69	69	72	70	72	69	69	68	65	70	72	74	68	66.6	
TURNPIKE	MAX	81	79	80	84	85	90	92	93	91	85	72	77	85	87	88	87	88	86	89	92	91	83	75	73	71	88	83	85	84	77	84.0	
	MIN	59	57	61	64	66	68	70	70	71	63	60	51	57	65	66	67	67	65	68	73	70	64	65	61	57	58	62	63	64	60	63.7	
WALORON	MAX	89	88	86	86	92	95	100	101	97	98	85	87	94	96	95	93	95	95	97	97	99	93	86	82	77	90	92	90	93	92	92.0	
	MIN	53	48	49	55	53	52	53	54	57	58	61	53	46	46	58	60	56	64	61	66	66	71	68	63	64	58	65	63	68	66	58.5	
WALNUT RIOGE CAA AP	MAX	85	85	86	88	91	97	100	99	98	93	87	81	88	92	90	91	92	93	95	96	96	93	78	81	75	85	93	86	91	77	89.2	
	MIN	57	54	53	54	57	58	62	63	67	68	62	49	45	52	65	62	62	63	61	70	67	71	69	65	62	60	63	66	66	66	61.3	
WARREN	MAX	90	88	89	89	93	95	98	100	99	94	90	83	92	93	95	94	94	95	98	100	100	92	89	83	89	94	98	98	96	84	93.1	
	MIN	60	55	53	57	58	63	65	68	67	63	69	60	53	57	64	65	64	66	65	67	68	67	68	65	65	65	66	70	67	63	63.4	
WHITE ROCK	MAX	82	80	76	77	85	89	90	92	90	88	74	78	84	88	89	86	87	89	90	91	92	87	78	74	69	77	83	83	83	77	83.6	
	MIN	58	59	57	56	58	59	64	67	67	66	49	47	46	61	62	61	60	64	57	62	69	69	64	61	56	63	66	68	66	64.8		
WILSON	MAX	85	84	85	87	90	94	97	96	93	91	81	82	89	91	90	94	94	94	95	97	97	97	82	82	81	88	93	88	92	79	89.6	
	MIN	58	59	57	56	58	59	64	67	67	66	49	47	46	61	62	61	60	64	57	62	69	67	69	64	61	56	63	66	68	66	60.8	
WYNNE	MAX	83	84	84	87	89	92	95	96	96	91	84	82	88	90	88	91	90	91	94	97	95	91	80	82	78	88	92	87	90	83	88.6	
	MIN	55	52	50	50	57	57	60	67	65	71	66	55	49	60	67	62	65	66	61	65	70	72	69	66	63	57	66	66	71	67	62.2	

EVAPORATION AND WIND

Table 6

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	31	
BLAKELY MOUNTAIN DAM	EVAP	.21	.24	*	*	*	.96	.26	.36	.20	*	*	.71	.22	.24	.23	.30	*	*	.75	.19	.11	.27	-	*	*	.22	.17	.24	.23	.22	6.558	
	WIND	.36	.30	*	*	*	.123	.27	.39	.33	*	*	.167	.37	.29	.40	.54	*	*	.146	.23	.25	.50	.59	*	*	.102	.20	.24	.25	.66	1188	
HOPE 3 NE	EVAP	.26	.19	.39	-	-	-	-	-	-	-	.28	.33	.26	.21	.20	.04	*	.39	.24	.28	.27	.17	*	.53	*	.37	.28	.18	.18	-		
	WIND	.42	.27	.34	*	.41	.18	.13	-	-	.15	.32	.44	.43	.19	.9	.13	.15	*	.27	.21	.8	.21	.16	*	.45	*	.40	.7	.5	.19	6158	
MOUNTAIN HOME C OF ENG	EVAP	.25	.28	.22	.18	.21	.24	.28	.31	.26	.35	.23	.16	.23	.13	.34	.24	.23	.25	.26	.24	.25	.15	.18	.23	.16	.03	.10	.13	.29	6.64		
	WIND	.28	.28	.18	.25	.10	.18	.22	.35	.17	.47	.43	.31	.28	.27	.29	.35	.37	.38	.31	.18	.35	.39	.32	.47	.50	.42	.10	.30	.17	.67	934	
NARROWS DAM	EVAP	.19	*	.58	.19	.23	.23	.26	.27	.27	.30	.32	.20	.21	.25	.18	-	.18	.22	.19	.16	.20	.20	-	.06	.05	.13	.13	.14	.14	.16	6.048	
	WIND	.16	*	.40	.16	.16	.21	.17	.14	.18	.29	.47	.32	.22	.16	.13	.19	.28	.28	.25	.16	.16	.23	.27	.11	.20	.22	.11	.24	.16	.23	626	
NIMROD DAM	EVAP	.18	.12	.34	.22	.20	.24	.26	.31	.30	.34	-	-	.35	.21	.21	.25	.33	-	.33	.22	.29	.18	-	.18	.10	.16	.14	.15	-	7.018		
	WIND	.6	.12	.11	.13	.12	.14	.17	.18	.32	.28	.17	.8	.20	.12	.17	.21	.16	.12	.9	.10	.19	.24	.14	.6	.7	.2	.3	.15	.4	.30	429	
RUSSELLVILLE	EVAP	.19	.28	.18	.23	.25	.22	.28	.24	.26	*	.37	.25	.21	.22	.26	.20	.26	.22	.22	.15	.25	.03	-	.40	.18	.04	.15	.13	.11	-	6.198	
	WIND	.10	.10	.13	.9	.8	.7	.18	.11	.12	*	.27	.16	.13	.10	.17	.17	.25	.21	.9	.7	.11	.9	.9	.11	.20	.9	.8	.8	.12	.7	364	
STUTTGART 9 ESE	EVAP	.19	.21	.21	.20	.19	.19	.20	.21	.34	.20	.18	.20	.21	.17	.19	.23	.19	.22	.32	.18	.24	.33	.08	.16	.11	.12	.15	.10	.11	.30	5.93	
	WIND	.24	.26	.32	.24	.15	.13	.11	.12	.15	.40	.32	.25	.25	.15	.44	.31	.26	.39	.24	.11	.34	.46	.43	.22	.27	.31	.11	.53	.72	.14	837	

STATION INDEX

ARKANSAS
SEPTEMBER 1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables
							Temp.	Precip.										Temp.	Precip.		
Abbott	0006	Scott	1	35 04	94 12	624			7A James V. Williams	3	Lurton	4386	Newton	7	35 46	93 05	2007		8A Lola I. Dollar	3	
Alicia	0004	Lawrence		35 54	91 05	256			7A Ruby B. Owen	3	Madison	4528	Bt. Francis	5	35 00	90 43	215		7A Loven R. Jones	3	
Alva Fork	0130	Saline	5	36 48	92 52	405	5P		7A L. R. Water Works	2 3 5	Wagnolia 3 N	4549	Columbia	4	33 19	93 14	315	6P	7A Earl E. Graham	2 3 5 7	
Aly	0138	Yell		34 47	93 29	854			7A Gurn B. Owsa	3	Wagnolia 5 N	4550	Columbia	4	33 20	93 13	360		MID Ark. Pwr & Lgt Co.	3	
Anity 3 NE	0150	Clark		34 17	93 25	-			7A Mrs. Alta F. Garner	3	Walver	4562	Bt Spring	3	34 23	92 49	311	5P	5P Walvern Fire Dept.	2 3 5	
Antoine	0178	Pike		34 02	93 25	285			8A Drew A. Lash	3	Manmoth Spring	4572	Pulton	7	33 29	91 32	690	SS	7A John B. McKee	2 3 5 7	
Aplin 1 W	0188	Perry		35 52	93 04	400			8A Robert Watts	3	Marion 2 S	4638	Marion	5	34 44	90 45	234	8A	8A Univ. of Arkansas	2 3 5 7	
Appleton	0196	Pope		35 25	92 53	522			MID John A. Jones	3	Marked Tree	4654	Polinet	5	35 32	90 25	229	7A	7A William M. Crick	2 3 5 7	
Arkadelphia	0220	Clark		34 07	93 03	200	6P		6P William E. Lawrence	2 3 5	Marshall	4666	Searcy	7	35 54	92 38	1050	SS	7A Mrs. Winnie Borton	2 3 5	
Arkansas City	0234	Desha		33 37	91 12	145			6A John W. Trammel	3	Harwell	4676	Phillips	7	34 33	90 55	195		8A Stetson Hall	3	
Ashdon	0286	Little River		33 40	94 08	329	7P		7P Southwestern G & E	2 3 5	Wauve	4696	Searcy	7	36 03	92 39	748		MID Verne N. Davenport	3	
Athens	0300	Boward		34 13	93 58	860			7A Arza D. Parker	3	Wellbourne	4746	Izard	4	36 04	91 54	610		7A Ivan L. Shrader	3	
Audra	0326	Woodruff		35 17	91 22	218			7A David G. Griffiths	3	Wena	4756	Polk	3	34 35	94 15	1207	6P	7A E. W. St. John	2 3 5 7	
Bald Knob	0350	White		35 18	91 34	230	6P		6P Div. of Arkansas	2 3 5	Monticello 3 S	4900	Drew	3	33 35	91 48	285	5P	5P Arkansas A & M Col.	2 3 5 7	
Batesville Livestock	0458	Independence		35 49	91 47	371	9A		7A Div. of Arkansas	2 3 5	Montrose	4906	Ashley	2	33 19	91 28	123		MID Ark. Pwr & Lgt Co.	3	
Batesville L & D 1	0460	Independence		35 45	91 38	277	5P		7A James J. Mitchell	2 3 5	Morohay Lock & Dam	4934	Calhoun	3	33 19	92 27	85		7A Corps of Engineers	3	
Bear Creek Lake	0496	Lee		34 43	90 42	220			MID U.S. Forest Service	3	Worrlton	4938	Conway	1	35 07	92 45	280	SP	7A Dana S. Lennell	2 3 5	
Beaty Lake	0512	St. Francis		35 05	90 43	400			SP L. G. Adams	3	Mount Ida	4988	Montgomery	3	34 33	93 38	863	7A	7A William E. Black	2 3 5	
Beaver	0518	Carroll		36 28	92 45	930			7A E. B. Shelton	3	Mount Magazine	5234	Logan	1	35 10	93 41	2400	7P	7P U.S. Forest Service	2 3 5	
Beche	0530	White		35 04	91 53	250			MID Lowell E. Perkins	3	Mountain Bone	5036	Baxter	7	36 20	92 23	800	7P	7P B. B. Balbert	2 3 5 7	
Bech Grove	0534	Greene		36 09	90 38	298			8A B. B. Bamond	3	Mountain Bone C. of E.	5038	Baxter	7	36 20	92 23	800	8A	8A Corps of Engineers	2 3 5 6	
Bendville	0538	Jackson		35 26	91 06	221			8A P. M. Beckiridge	3	Mountain View 1 W	5046	Stone	7	35 52	92 08	768	7A	7A Mildred E. Ward	3	
Benton	0582	Saline		34 33	92 37	285	6P		8A Mrs. Etta C. Burks	2 3 5	Mountainburg 3 SW	5056	Crawford	1	35 36	94 12	730	5P	5P CLOSED	11/10/54	
Bentonville	0586	Benton		36 22	91 13	1295	6P		7A L. R. McHenry	2 3 5	Odell	5072	Franklin	1	35 34	91 01	910		8A Benny G. Arvin	2 3 5 6	
Berryville 4 NW	0618	Carroll		36 26	93 37	1150			7A James C. Hayes	3	Narrow Dam	5110	Pike	3	34 10	93 43	425	8A	8A Corps of Engineers	2 3 5 6	
Big Flat	0662	Baxter		37 00	92 24	1250			7A CLOSED	1/1/55	Nashville Peach Substa.	5112	Boward	4	34 00	93 56	550	7A	7A Div. of Arkansas	2 3 5	
Big Fork	0664	Polk		34 29	93 58	1100			7A Anna M. Liles	3	Nashville SCS	5114	Boward	3	35 57	93 31	373	7A	7A Soil Cons. Service	3	
Big Lake Outlet	0676	Mississippi		35 51	90 08	238			6P M. W. Douglas	3	Nathan	5146	Howard	2	35 59	92 52	550		7A Edna J. Westfall	3	
Black Rock	0746	Lawrence		34 07	91 06	239			7A L. R. McHenry	3	Nevada	5174	Pike	3	34 14	93 50	820	7A	7A Elsie F. Word	3	
Blakely Mountain Dam	0764	Garland		34 36	93 11	426			8A Corps of Engineers	3 6	Newport	5186	Jackson	7	35 36	91 17	255	SS	7A Luther D. Sumner Jr	2 3 5 7	
Blue Mountain Dam	0798	Yell		35 06	93 39	455			MID Corps of Engineers	3	Nirow Dam	5200	Perry	1	34 57	93 10	470	8A	8A Corps of Engineers	2 3 5 6	
Bluff City	0800	Nevada		33 41	93 09	360			7A Paul M. Adams	3	Norfolk Dam	5228	Baxter	7	36 15	92 15	425		MID Corps of Engineers	3	
Blytheville	0830	Mississippi		34 54	91 10	205	7A		7A Ivy F. Crawford	2 3 5 7	Ozark	5234	Washington	1	35 29	92 50	386	6P	6A Burns Wakefield	2 3 5 7	
Booneville	0830	Logan		35 09	93 55	511	7P		7A Cleo E. Vandell	2 3 5	Oden	5328	Montgomery	3	34 38	93 48	800	7A	7A Vera J. Gann	3	
Botkinburg	0842	Van Buren		35 39	92 30	1200			MID Thomas M. Pearson	3	Okay	5376	Boward	4	34 46	93 53	300	5P	5P J. T. Rargis	2 3 5	
Boughton	0848	Nevada		33 52	93 20	235			7A Iris Elmore Wicker	3	Oseola	5480	Mississippi	2	35 43	93 58	250		8A Alwyn A. Cowan	3	
Bradford	0872	White		35 25	91 28	240			7A Marshall Hickox	3	Oswenville	5498	Saline	3	34 37	92 45	500		8A Guy Cook	3	
Brinkley	0896	Monroe		34 54	91 10	205	5P		SP Robert D. Schaefer	2 3 5 7	Paragould	5524	Washington	1	35 48	94 24	1500		8A Burns Wakefield	2 3 5 7	
Buffalo Tower	1010	Newton		35 52	93 30	-			7A Bewlah F. Fowler	3	Paragould	5562	Green	5	36 04	90 29	275	4P	4P Radio Station KDRS	2 3 5	
Bull Shoals Dam	1020	Baxter		36 22	92 34	460			MID Corps of Engineers	3	Paris	5576	Logan	1	35 18	93 45	-	SS	SS Fred J. Girard	2 3 5	
Burdette	1052	Mississippi		35 49	89 57	240			6P G. A. Bale	3	Parkin	5586	Cross	5	35 16	90 35	322		7A Corine D. Gardner	3	
Calhot 4 SW	1102	Pulaski		34 57	92 04	288			SP B. W. Walter	3	Partonson	5602	Newton	1	35 27	93 15	925		MID Arthur B. Garner	3	
Calico Rock	1102	Izard		36 08	92 08	400			7A Austin D. Barris	3 7	Perrville	5694	Perry	1	35 00	92 49	225	5P	7A Benedictine Sisters	2 3 5	
Caden 1	1152	Ouchitza		33 36	92 49	116	7A		7A John W. Knight	2 3 5	Pine Bluff	5754	Jefferson	1	34 12	92 00	215	7P	7A Mary T. Scheu	2 3 5	
Caden 2	1154	Ouchitza		33 35	92 51	135			MID Edith Z. Lehman	3	Pine Bluff CAA AP	5756	Jefferson	1	34 10	91 56	205	MID	MID U.S. Civil Aero Adm	2 3 5 7	
Cap Chaffee	1172	Sebastian		35 18	94 18	419	8A		8A U. S. Army	2 3 5	Pine Ridge	5760	Montgomery	3	34 35	93 54	840	7A	7A J. R. Buddleston	3	
Caban	1188	Searcy		34 47	94 45	235			MID Frazier Holt Borton	3	Pocahontas 1	5826	Logan	3	34 07	92 52	550		7A Benedictine Sisters	2 3 5 7	
Carlisle 1 SW	1238	Garland		34 27	93 01	-			8A J. L. Tait	3	Portland	5866	Ashley	3	33 14	91 30	122	7A	7A Mrs. Pearl Newton	2 3 5 7	
Carpenter Dam	1442	Monroe		34 41	91 18	172			MID Ark. Pwr & Lgt Co.	3	Prescott	5908	Nevada	3	33 48	93 23	318	7A	7A R. P. Hanby	2 3 5 7	
Clarendon	1455	Judson		35 28	93 28	436	6P		7A B. F. Worther	3	Prescott SCS	5910	Nevada	3	33 48	93 23	318		MID Soil Cons. Service	3	
Clarksville	1455	Judson		35 28	93 28	436	6P		6P Dr. Irving F. Beach	2 3 5	Pyatt	5970	Marion	7	36 16	92 01	1387		MID Osa V. McLean	2 3 5 7	
Clinton	1520	Scott		33 58	93 54	1250			7A Margaret Zornes	3	Racine	6016	Miller	4	35 04	94 53	250		MID Benny L. Allen	3	
Cold Springs	1574	Madison		35 48	93 48	1368			MID Maude C. Branshaw	3	Ravanna	6102	Bt Spring	3	34 26	94 01	500		MID Sony L. Allen	2 3 5 6	
Coebe 3 SE	1582	Newton		35 08	93 18	1000			MID William L. Nelson	3	Rempel Dam	6174	Cleveland	3	33 57	92 11	237		MID Ark. Pwr & Lgt Co.	3	
Compton	1582	Newton		35 08	93 18	1000			SP G. V. Short	2 3 5	Rison	6248	Benton	7	36 20	90 47	1387	SS	SS Howard Fowler	2 3 5 7	
Conway	1596	Faulkner		36 24	90 35	293	7A		7A Mrs. Laura Polk	2 3 5 7	Rogers	6332	Pope	1	35 18	93 08	360	5P	5P U.S. Forest Service	2 3 5 8	
Coring	1640	Baxter		37 16	92 31	440			7A Robert T. Fielding	3	Russellville	6376	Arkansas	2	34 23	91 08	260	8A	8A Fish & Wildlife Serv	2 3 5	
Cotter	1656	Polk		34 26	94 25	1060			7A Joe C. Allen	3	Russellville	6376	Arkansas	2	34 23	91 08	260		7A William S. Buckley	2 3 5 7	
Cove	1730	Ashley		33 02	92 56	175	5P		SP U.S. Forest Service	2 3 5	Searcy	6506	White	7	35 15	91 44	245	5P	5P Adam C. Melton	2 3 5 7	
Crossett 7 S	1750	Pulaski		34 42	92 36	350			7A Virna Eryd	3	Sheridan Tower	6566	Grant	3	34 27	92 21	290	6P	6P Ark. Forestry Com.	2 3 5 7	
Crystal Valley	1768	Lincoln		34 08	91 35	176	6P		6P Cummins Prison Farm	2 3 5	Shirley	6586	Van Buren	7	35 38	92 17	600		7A Maud H. Bradford	3	
Cummins Farm	1814																				

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

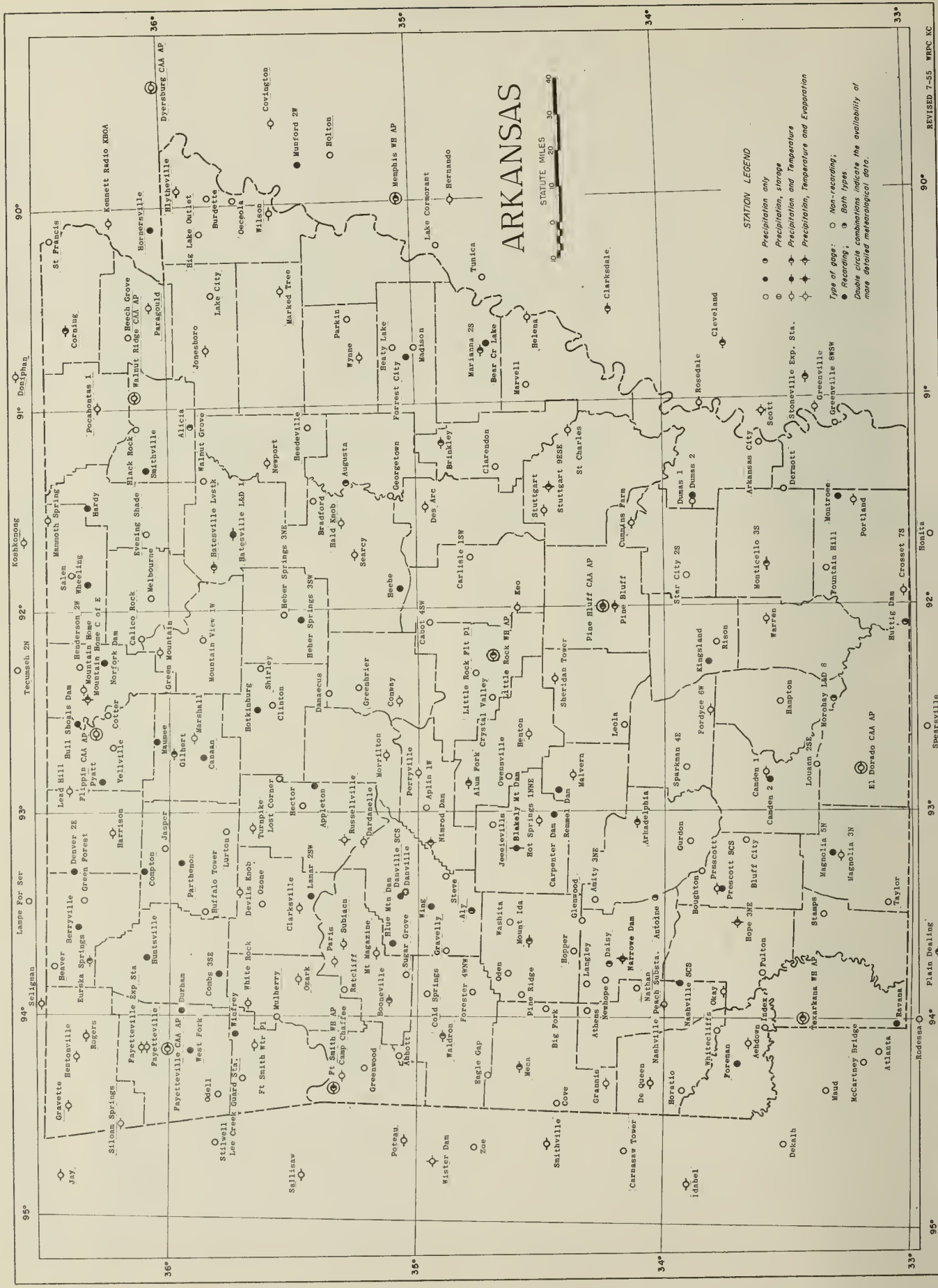
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 11-4-55 -- 1005

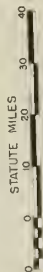


STATION LEGEND

- Precipitation only
- Precipitation, storage
- Precipitation and Temperature
- Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;
 ● Recording, ● Bath type.
 Double circle combinations indicate the availability of more detailed meteorological data.

ARKANSAS



551.05
UNAR
C.1
60¹⁰

NAT. Hist.

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

OCTOBER 1955
Volume LX No. 10



RECEIVED OF THE
DEC 27 1955
UNIVERSITY OF ILLINOIS

ASHEVILLE: 1955

ARKANSAS - OCTOBER 1955

WEATHER SUMMARY

Temperatures averaged 61.8° or 1.4° lower than normal. Rainfall averaged 2.40 inches or 73% of normal. The weather was favorable for the maturing and harvest of late crops. Livestock feed was plentiful and cattle were in good condition.

Above-normal temperatures prevailed at the beginning of October. A cold front moved across the State on the afternoon of the 6th and was followed by several days of cooler weather. The 11th and 12th were mild. A second cold front, which crossed the State on the 12th, brought a longer cool spell which continued from the 13th to 19th. Temperatures rose to above normal on the 20th but, following a cold front passage on the 23d, dropped to the coldest for the season on the 24th. Cool weather continued until the end of the month except for the 27th which was slightly warmer than normal for the season. Most stations registered their warmest temperatures for the month on the 6th. Monthly maximums ranged from 79° at Mount Magazine and Trunpike to 93° at Crossett and Dumas. Most stations registered their coolest temperatures on the 18th, 24th, 25th, 30th, or 31st. Monthly minimums were mostly in the upper 20's or lower 30's. The lowest temperature for the State was 23° at Waldron on the 25th. Monthly mean temperatures ranged from 57.9° at Harrison to 65.8° at Hot Springs 1 NNE. Monthly mean temperatures were below normal at almost all stations. Monthly mean temperature departures ranged from -3.3° at El Dorado to +1.2° at Perryville.

There were several showery days during October but the more generous amounts fell on the 6th, 7th, 12th, and 28th. A few stations in the northeast and many stations in the south and west received more than 3.00 inches of rain during the month; elsewhere monthly totals were, in general, less than 3.00 inches. Waldron reported the least total, 0.20 inch. The largest amount for the month was 6.28 inches at Horatio. Most stations in the southern third of Arkansas and a few in the northeast exceeded their October normals; elsewhere, most stations received less than normal precipitation.

Rains early in October interrupted the harvest of cotton, rice, soybeans, and feed grains and the seeding of winter grains but improved the pastures, late hay crops, small grain, and winter legumes. The fine weather following the rains was favorable for all kinds of field work which resumed and continued in full swing except in the east and south where rains, quite heavy in some sections, occurred on the 12th. Field work began again in those areas on the 14th. Ideal harvest weather prevailed to the end of the month except on the 28th when rains again halted cotton picking. The moisture benefited the fall seeded grains, cover crops, and strawberries. At the end of the month cotton picking was 75% complete, and rice harvest was nearing completion. Other farm activities centered around soybean harvest, corn picking, seeding winter grains, pruning orchards, gathering pecans, and digging sweet potatoes. Livestock were in good condition with ample pasture feed. Most sections of the State needed more rains. Streams were low.

STORMS

Lightning damage on the 12th amounted to \$77,000. This included \$75,000 damage to a factory building and its contents six miles northeast of Newport, Jackson County, and \$2,000 damage to a power plant in Jonesboro. High winds caused \$15,000 damage to buildings, signs, and trees in the Jonesboro vicinity, Craighead County, on the 12th. Gusts were estimated to reach 100 miles per hour. Heavy rains flooded the streets. Strong winds caused \$500 damage to a farmstead nine miles east of Monticello on the 28th. A tornado in the Hampton vicinity, Calhoun County, on the 28th caused considerable damage to a cotton gin and minor damage to about twenty other buildings. The losses were estimated at \$2,000. A tornado in the Kelso area, Desha County, on the 28th uprooted trees, damaged houses, destroyed a seed house, and injured one person. The property loss was estimated at \$20,000.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
OCTOBER 1955

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	2:1-3:0A CST	6:1-3:0A CST	2:1-3:0P CST	6:1-3:0P CST	Trace	01-09	10-49	50-99	100-199	200 and over			Total
FORT SMITH WB AIRPORT	ENE	25	7.3	30	SW	28	80	88	47	58	5	0	2	0	0	7	76	2.9	
LITTLE ROCK WB AIRPORT	SSW	13	9.1	33	W	6	73	79	44	55	3	3	0	1	0	7	66	3.2	
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	3	1	1	1	0	6	-	-	

COMPARATIVE DATA

OCTOBER

Table 1

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	60.4	92	27	0.85	.0	1916	62.8	96	21	2.30	.0	1941	68.2	96	28	8.11	.0
1892	63.8	92	27	3.26	.0	1917	56.6	99	12	1.89	T	1942	62.8	90	22	3.19	.0
1893	60.5	93	23	1.30	.0	1918	65.6	100	30	3.99	.0	1943	61.3	90	26	3.48	.0
1894	63.0	96	24	1.52	.0	1919	66.6	98	33	10.90	.0	1944	63.9	95	25	1.13	.0
1895	57.1	95	21	1.44	.0	1920	64.2	93	25	4.39	.0	1945	60.8	89	29	3.11	.0
1896	60.8	98	25	3.59	.0	1921	61.6	96	27	0.72	.0	1946	63.7	94	25	2.79	.0
1897	87.8	99	28	2.01	.0	1922	63.1	98	20	1.47	.0	1947	68.3	95	35	3.72	.0
1898	60.0	100	23	5.44	T	1923	59.2	94	20	3.53	.0	1948	60.0	90	20	2.40	.0
1899	85.6	101	28	2.88	.0	1924	64.9	96	21	0.29	.0	1949	62.8	91	23	8.50	T
1900	66.0	97	32	4.31	.0	1925	58.7	98	13	7.73	0.1	1950	66.5	93	33	1.91	.0
1901	63.7	95	27	2.07	.0	1926	64.9	99	23	5.77	.0	1951	63.1	98	30	4.55	T
1902	62.5	90	27	2.68	.0	1927	66.0	100	30	3.13	.0	1952	56.6	98	14	0.78	T
1903	60.9	97	26	2.22	.0	1928	66.3	100	27	4.74	.0	1953	64.8	104	25	1.48	.0
1904	62.5	100	20	0.94	.0	1929	62.3	93	19	4.29	.0	1954	63.9	98	24	4.97	T
1905	61.1	92	23	4.49	.0	1930	60.1	92	17	4.89	.0	1955	61.8	93	23	2.40	T
1908	58.2	94	25	2.38	.0	1931	87.1	98	26	2.35	.0						
1907	61.9	96	23	3.03	.0	1932	60.8	94	76	3.41	.0						
1908	59.2	93	24	0.48	.0	1933	62.6	90	30	2.83	.0						
1909	63.0	98	24	2.15	.0	1934	66.2	96	25	0.79	.0						
1910	82.9	96	16	5.19	T	1935	63.9	95	27	4.94	.0						
1911	62.7	101	25	1.67	T	1936	61.1	93	24	5.00	.0						
1912	63.8	96	22	2.97	.0	1937	60.8	96	17	4.66	T						
1913	60.1	95	18	5.41	0.6	1938	66.8	105	20	0.94	.0						
1914	63.0	93	21	1.74	.0	1939	65.1	98	20	1.71	.0						
1915	63.4	94	26	2.83	.0	1940	65.2	95	29	1.91	.0						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature														Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										Max.	Min.	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
	HIGHLAND DIVISION																								
ALUM FORK	77.2	50.3M	63.8M	- 0.3	88	6			127	0	0	0	0	2.35	- 0.41	1.50	7	0.0	0			2	2	1	
ASHOOWN	78.9	48.7M	63.8M		89	6	32	25	128	0	0	1	0	2.43		1.43	7	0.0	0			2	2	1	
BENTON	75.8	45.5	60.7	- 1.9	88	6	27	31	190	0	0	3	0	4.82		2.38	1	T	0			3	3	2	
BENTONVILLE	71.9	44.9	58.4	- 1.1	82	9	32	18+	226	0	0	5	0	1.43	- 2.56	1.02	5	0.0	0			2	1	1	
BOONEVILLE	78.6	47.0	62.8		89	6	27	25	155	0	0	3	0	0.61		0.36	7	0.0	0			0	0	0	
CAMP CHAFFEE	77.0	45.9	61.5		89	7	28	25	177	0	0	3	0	0.29		0.23	7	0.0	0			0	0	0	
CLARKSVILLE	76.8	46.2	61.5		88	6	29	25	178	0	0	3	0	1.10		0.71	28	0.0	0			2	1	0	
CONWAY	77.0	49.3	63.2	- 0.6	89	6	33	25	196	0	0	3	0	2.60		1.37	7	0.0	0			2	2	2	
DAROANFLEE	76.9	49.2	63.1	- 0.7	88	6	33	25+	143	0	0	0	0	2.80	- 0.30	0.86	7+	0.0	0			4	3	0	
OE-OUEEN	79.2	45.1	62.2	- 1.9	90	5+	29	18	161	2	0	0	3	4.40	1.58	1.90	1	0.0	0			4	2	2	

See reference notes following Station Index.
- 115 -

CLIMATOLOGICAL DATA

ARKANSAS
OCTOBER 1955

TABLE 2 - CONTINUED

Station	Temperature												Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days				
										90° or Above	82° or Lower	32° or Lower	Below 0° or Below					Max.	Min.	Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More
DEVILS KNOB	69.4	49.8	59.6		80	21	32	30	189	0	0	1	0	1.53		0.50	28	0.0	0	0		5	1	0	
EUREKA SPRINGS	73.5	47.8	60.7	- 0.5	85	6	32	24	180	0	0	1	0	0.93	- 3.05	0.37	4	0.0	0	0		4	0	0	
FAYETTEVILLE	71.4	47.2	59.3		84	6	33	24+	214	0	0	0	0	0.65		0.37	4	0.0	0	0		3	0	0	
FAYETTEVILLE CAA AP	72.8	43.6	58.2		86	6	29	18+	245	0	0	5	0	0.57		0.25	4	0.0	0	0		3	0	0	
FAYETTEVILLE EXP STA	72.4	45.2	58.8	- 2.2	83	6	28	24	228	0	0	5	0	0.70	- 2.97	0.39	4	0.0	0	0		3	0	0	
FLIPPIN CAA AP	74.7	43.4	59.1		87	6	28	25	213	0	0	5	0	1.35		0.86	28	0.0	0	0		3	1	0	
FORT SMITH WB AP	77.1	48.3	62.7	- 1.2	90	6	32	25	145	1	0	1	0	0.57	- 3.06	0.42	6	T			2	0	0	0	
FT SMITH WATER PLANT	76.0	43.6	59.8		87	6	26	31	208	0	0	6	0	1.06		0.74	7	0.0	0	0		1	0	0	
GILBERT	76.9	42.7	59.8		91	6	25	25+	208	2	0	7	0	1.61	- 2.59	0.52	5	0.0	0	0		4	1	0	
GRANNIS	73.9	49.5	61.7	- 1.8	84	12	33	25	160	0	0	0	0	3.51	- 0.70	1.67	1	0.0	0	0		4	2	2	
GRAVETTE	72.9	44.4	58.7	- 1.4	85	6	27	18	228	0	0	5	0	2.50	- 1.45	1.00	5	0.0	0	0		3	3	1	
GREEN MOUNTAIN																									
HARRISON	74.6M	41.1M	57.9M	- 1.8	85	6	25	24	242	0	0	5	0	2.00	- 1.23	1.25	28	0.0	0	0		3	2	1	
HOPE 3 NE	78.5	48.4	63.5	- 1.6	89	6+	32	25+	130	0	0	2	0	3.68	- 0.49	2.19	1	0.0	0	0		5	2	1	
HOT SPRINGS 1 NNE	77.9	53.6	65.8	- 0.9	87	6	39	25	84	0	0	0	0	2.18	- 1.04	1.42	7	0.0	0	0		9	2	0	
LEAO HILL	75.1	41.8	58.5	- 1.4	88	6	26	31	238	0	0	9	0	1.51	- 1.88	1.60	6	0.0	0	0		1	1	0	
LITTLE ROCK WB AP	76.0	51.2	63.6	- 0.5	89	6	35	31	124	0	0	0	0	1.87	- 1.64	1.05	6	0.0	0	0		1	1	1	
MALVERN	78.2	47.2	62.7		89	6	29	31	154	0	0	3	0	1.87		1.48	7	0.0	0	0		3	1	1	
MAMMOTH SPRING	76.5	43.3	59.9	- 0.0	88	11	26	25+	204	0	0	6	0	1.70	- 1.88	1.32	29	0.0	0	0		2	1	1	
MARSHALL	74.5M	45.0M	59.8M	- 1.6	91	6	30	19+	202	1	0	4	0	1.45	- 2.53	0.56	29	0.0	0	0		4	1	0	
MENA	74.6	50.9	62.8	- 0.5	84	12	35	25	138	0	0	0	0	3.01	- 0.68	1.66	7	0.0	0	0		4	2	1	
MORRILTON	77.1	48.7	62.9	- 0.7	89	6	30	25+	143	0	0	2	0	2.13	- 1.55	1.21	1	0.0	0	0		3	2	1	
MOUNT IOA	75.5	45.2	60.4	- 1.6	89	13	27	25	198	0	0	4	0	3.34	- 0.37	1.85	7	0.0	0	0		4	2	1	
MOUNT MAGAZINE	67.2	49.4	58.3		79	21	30	30	229	0	0	1	0	1.09		0.55	6	0.0	0	0		2	1	0	
MOUNTAIN HOME	74.5	46.8	60.7	0.0	85	6	33	31	173	0	0	0	0	1.63	- 2.33	1.09	28	0.0	0	0		4	1	1	
MOUNTAIN HOME C OF ENG	74.3	45.1	59.7		86	7	28	25	201	0	0	4	0	1.64		0.76	29	0.0	0	0		4	1	0	
NARROWS OAM	78.5	47.0	62.8		87	2+	31	31	149	0	0	1	0	5.04		2.63	7	0.0	0	0		6	3	2	
NASHVILLE PEACH SUBSTA	76.9	47.6	62.3		86	6+	33	25+	150	0	0	0	0	4.82		1.86	7	T				5	5	4	
NIMROO OAM	77.3M	47.6	62.5M		88	7	33	25+	133	0	0	0	0	3.44		2.00	1	0.0	0	0		5	2	1	
OKAY	80.2	49.8	65.0	- 1.0	90	5+	32	25+	110	2	0	2	0	2.47	- 0.51	0.95	7	0.0	0	0		4	2	0	
OZARK	77.2	46.2	61.7	- 1.9	86	11+	29	31	164	0	0	2	0	0.70	- 2.66	0.58	7	0.0	0	0		1	1	0	
PARIS	79.6	47.1	63.4		91	6	29	25	138	2	0	3	0	0.42		0.22	7	T				2	2	0	
PERRYVILLE	78.5	46.1	62.3	- 1.2	90	6	29	30	154	1	0	3	0	1.83	- 1.67	1.16	7	0.0	0	0		3	1	1	
ROGERS	71.3	47.7	59.5	0.6	84	6	32	30	203	0	0	1	0	1.88	- 1.61	0.94	4	0.0	0	0		3	1	0	
RUSSELLVILLE	77.9	46.5	62.2	0.3	88	6	30	25+	160	0	0	3	0	1.68	- 1.33	0.97	28	0.0	0	0		2	2	0	
SHERIDAN TOWER	78.2M	40.5M	59.4M		88	7	30	30+	174	0	0	3	0	1.74		0.84	7	0.0	0	0		4	1	0	
SILOAM SPRINGS	73.1	44.4	58.8		85	7	29	18+	233	0	0	7	0	1.50		1.27	5	0.0	0	0		1	1	1	
SUBIACO	78.6	48.0M	63.3M	- 0.7	91	6	32	25	130	1	0	1	0	1.35	- 2.14	0.0	0	0.0	0	0		1	0	0	
TEXARKANA WB AP	78.0	52.5	65.3	- 1.7	90	5	37	25	98	1	0	0	0	0.88	- 2.50	0.75	6	0.0	0	0		4	2	1	
TURNPIKE	68.3	49.8	59.1		79	12	33	30	201	0	0	0	0	2.01	- 2.98	1.01	28	0.0	0	0		4	2	1	
VALORON	78.8	44.3	61.6		88	12	23	25	181	0	0	6	0	0.20	- 3.67	0.13	28	0.0	0	0		1	0	0	
WHITE ROCK	69.1	51.2	60.2		83	6	33	30	180	0	0	0	0	0.36		0.14	7	0.0	0	0		2	0	0	
DIVISION			61.3	- 1.3										1.89	- 1.61			T							
DELTA DIVISION																									
ARKAOLPHIA	78.0	49.6	63.8	- 0.6	89	6	31	31	125	0	0	1	0	3.30	0.21	1.50	7	0.0	0	0		3	3	2	
BALO KNOR	76.1	46.4	61.3		88	6	26	31	188	0	0	4	0	2.24		0.92	11	0.0	0	0		3	2	0	
BATESVILLE LIVESTOCK	77.2	41.7	59.5		89	13	26	31	198	0	0	4	0	2.58		0.88	29	T				4	3	0	
BATESVILLE L AND O NO 1	76.9	46.4	61.7		88	6	28	25+	178	0	0	4	0	2.50	- 0.72	1.32	7	0.0	0	0		4	2	1	
BLTTHEVILLE	75.1	47.9	61.5	- 1.9	89	7	33	31	160	0	0	0	0	3.41	- 0.33	1.86	29	0.0	0	0		3	3	1	
BRINKLEY	77.3M	48.0M	62.7M	0.1	90	6	27	25	161	1	0	3	0	0.93	- 2.59	0.90	7	0.0	0	0		1	1	0	
CAMDEN 1	77.8	47.9	62.9	- 1.3	91	7	31	31	145	1	0	1	0	3.87	1.02	2.84	13	0.0	0	0		3	2	1	
CORNING	73.5	47.2	60.4	- 0.1	85	7	33	25	187	0	0	0	0	3.44	- 0.05	1.55	7	0.0	0	0		5	2	1	
CROSSFTT 7 S	80.6	48.6	64.6	- 0.9	93	6	29	25	126	4	0	3	0	2.21	- 1.36	1.16	7	0.0	0	0		4	1	1	
CUMMINS FARM	77.4	48.1M	62.8M		90	6	34	19	142	1	0	0	0	2.67		1.25	7	0.0	0	0		5	2	1	
OES ARC	75.9	44.5M	60.2M		89	7	29	25	202	0	0	2	0	1.87		0.64	1	0.0	0	0		4	2	0	
QUMAS 1	78.5	49.6	64.1	- 1.1	93	6	33	25	125	1	0	0	0	3.81	0.78	1.80	28	0.0	0	0		3	3	2	
EL OORAO CAA AP	77.3	48.7	63.0	- 3.3	90	5+	32	25	145	2	0	1	0	5.18	2.16	3.03	12	0.0	0	0		3	3	3	
FOROYCE 6 W	78.0	51.0	64.5	- 1.3	90	6	36	30	118	1	0	0	0	2.89	0.53	1.58	12	0.0							

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1955

Table 5

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	
ALUM FORK	MAX	84	80	80	80	85	88	83	73	75	82	85	85	71	70	74	73	70	77	77	79	80	83	82	81	73	80	78	74	60	59	71	77.2
	MIN	65	60	58	67	64	71	54	59	42	46	66	65	47	46	40	46	45			44	46	55	43	33	38	38	54	42	40	34	50.3	
ARKADELPHIA	MAX	86	82	84	84	88	89	83	75	76	83	87	79	79	70	75	76	68	71	75	80	82	83	81	71	72	78	79	75	69	64	75	78.0
	MIN	66	61	61	67	70	73	54	47	44	50	59	67	47	47	39	47	44	41	39	44	42	51	50	47	33	35	41	58	43	39	31	49.6
ASHOOWN	MAX	86	82	85	86	87	89	82	76	74	79	88	87	83	71	76	80	72	76	78	79	83	84	82	76	70	77	78	72	67	64	78	78.9
	MIN	66	62	60	68	70	71	48	46	43	48	58	69	48	42	39	46	42	40	36	44	43	51	50	46	32	34	35	60	41	39	33	48.7
BALO KNOB	MAX	81	77	80	78	86	88	85	71	74	84	86	82	72	70	73	69	68	69	72	78	83	82	80	78	71	79	77	74	62	58	72	76.1
	MIN	64	59	62	65	70	74	58	41	38	42	57	62	42	38	35	40	38	42	38	38	45	49	48	42	28	32	33	59	41	32	26	46.4
BATESVILLE LIVESTOCK	MAX	74	84	81	83	76	83	86	74	76	76	83	87	89	77	69	75	70	72	71	78	80	87	84	83	65	80	83	80	64	62	61	77.2
	MIN	59	49	55	55	56	61	52	36	33	37	42	52	40	41	32	35	36	38	29	33	40	46	52	34	29	35	39	50	38	34	26	41.7
BATESVILLE L AND D NO 1	MAX	82	81	82	80	83	88	83	78	77	83	85	86	74	72	72	67	67	68	74	80	85	84	82	78	74	80	77	72	60	59	71	76.9
	MIN	64	53	59	66	70	71	58	41	40	40	53	64	42	40	34	38	36	41	32	39	54	47	59	42	28	33	37	56	45	29	28	46.4
BENTON	MAX	83	79	83	82	86	88	78	72	73	82	85	81	74	68	74	72	67	70	73	79	81	82	80	66	72	78	78	71	61	59	73	75.8
	MIN	63	57	55	65	68	76	52	42	48	47	53	61	43	37	34	41	38	35	33	38	44	48	48	43	29	30	35	51	38	37	27	45.5
BENTONVILLE	MAX	76	74	73	70	82	80	67	73	75	77	81	79	69	63	73	63	61	65	75	81	77	81	80	58	73	77	78	69	56	51	71	71.9
	MIN	63	59	60	68	65	58	47	40	41	40	53	52	38	40	34	40	37	32	32	46	53	51	50	32	32	38	42	47	33	32	36	44.9
BLYTHEVILLE	MAX	79	80	83	85	73	83	89	74	71	75	83	85	76	71	67	64	63	62	70	78	84	83	84	76	71	81	78	72	60	58	70	75.1
	MIN	59	51	61	65	66	70	57	43	41	45	49	56	44	42	41	44	42	47	35	43	47	49	53	42	36	41	41	57	46	38	33	47.9
BOONEVILLE	MAX	85	75	80	82	87	89	72	75	75	84	88	87	74	68	78	76	67	72	81	87	88	87	85	75	79	85	83	73	64	59	77	78.6
	MIN	66	61	60	70	72	68	51	42	41	41	57	65	40	40	34	42	40	33	34	46	48	51	61	39	27	30	43	54	35	37	30	47.0
BRINKLEY	MAX	86	84	80	79	85	90	85	72	76	84	84	76	74	68	73	71	73		78	84	84	84	70	71	78	79	70	62	71	77.3		
	MIN	66	63	55	66	69	73	57	43	40	44	56	62	43	42	34	36	32		40	48	51	45	27	34	79	58	36	29	48.0			
CAMOEN 1	MAX	80	87	84	87	87	89	91	74	73	76	83	86	78	73	70	75	76	69	72	75	79	82	83	80	72	72	78	82	73	64	61	77.8
	MIN	66	60	60	62	70	73	53	46	43	46	52	60	48	45	38	39	43	40	37	42	49	49	49	49	34	34	38	44	45	41	31	47.9
CAMP CHAFFEE	MAX	79	84	74	79	84	87	89	71	73	74	83	87	85	74	67	78	75	66	70	81	85	86	85	83	64	77	82	82	62	62	59	77.0
	MIN	66	62	62	63	69	71	52	42	41	42	50	62	40	42	34	40	40	35	36	42	45	49	51	38	28	30	37	45	38	38	32	45.9
CLARKSVILLE	MAX	83	78	78	78	84	88	72	75	74	81	85	86	74	66	75	74	67	71	76	84	85	85	85	76	73	80	80	72	61	59	76	76.8
	MIN	66	59	59	69	70	65	52	42	42	43	56	66	40	37	34	41	37	33	34	46	46	50	55	38	29	31	39	52	37	33	31	46.2
CONWAY	MAX	83	79	81	80	87	89	84	76	74	82	85	86	74	69	74	71	69	71	73	80	85	84	81	75	74	80	77	70	63	60	72	77.0
	MIN	64	60	60	60	71	76	54	46	43	47	58	66	45	44	39	44	42	40	38	47	50	55	57	42	33	36	44	54	42	37	35	49.3
CORNING	MAX	79	77	80	81	74	84	85	71	70	73	80	83	72	73	65	69	64	63	65	70	78	80	80	81	62	71	80	78	64	61	64	73.5
	MIN	61	54	60	64	68	70	58	44	42	44	44	56	42	42	36	42	42	48	35	40	50	49	50	40	33	40	44	50	47	35	36	47.2
CROSSETT 7 S	MAX	90	90	85	89	91	93	89	75	78	89	88	85	74	72	75	80	80	73	76	82	83	85	83	78	73	80	81	77	67	63	74	80.6
	MIN	67	62	61	68	69	72	60	50	42	51	58	60	56	41	35	45	39	38	33	40	42	49	46	58	29	30	40	62	39	34	30	48.6
CUMMINS FARM	MAX	84	82	81	82	89	90	84	71	76	85	85	81	74	70	73	74	63	68	74	80	82	83	85	75	76	79	78	76	64	60	74	77.4
	MIN	63	58	58	64	65	69	56	44	41	42	56	52	46	40	42	44	36	37	34	40	45	49	49	38	37	43	62	47	44	44	48.1	
DAROANELLE	MAX	83	79	79	81	84	88	72	74	74	80	87	87	74	69	72	73	68	71	76	84	84	86	84	72	75	81	80	71	64	58	75	76.9
	MIN	68	60	60	68	73	71	54	45	43	45	57	67	47	44	38	44	44	37	37	45	51	53	58	42	33	35	40	54	41	39	33	49.2
DE QUEEN	MAX	87	83	82	86	90	89	75	75	76	85	88	90	77	72	75	84	73	75	80	83	80	85	83	76	75	80	81	71	66	63	70	79.2
	MIN	63	59	56	64	66	65	46	41	39	41	55	66	41	36	34	41	37	29	34	40	44	48	51	37	31	33	41	56	39	34	31	45.1
OES ARC	MAX	78	82	79	81	80	87	89	74	72	75	85	86	78	74	69	73	69	68	69	74	80	85	84	83	65	72	74	79	67	63	60	75.9
	MIN	61	56	58	60	66	66	55	41	39	42	45	59	40	41	44	35	38	38	33	34	42	41	51	41	29	33	40	43	38	36	32	44.5
DEVILS KNOB	MAX	73	69	70	68	75	77	65	66	68	74	78	79	67	61	70	61	61	66	71	75	80	78	76	69	70	71	73	65	55	52	69	69.4
	MIN	60	55	58	63	64	61	46	48	48	52	60	59	45	42	43	52	40	39	48	54	57	60	58	34	43	53	53	43	53	52	40	49.8
DOMAS 1	MAX	85	82	83	85	89	93	83	72	85	88	89	75	73	70	75	75	69	70	75	81	83	87	86	68	73	82	82	74	65	63	74	78.5
	MIN	65	60	61	69	68	72	59	46	43	51	57	62	49	42	39	47	41	42	38	43	44	51	53	50	33	38	41	60	42	39	34	49.6
EL DORADO CAA AP	MAX	87	87	89	88	90	90	73	73	76	85	87	77	72	69	76	64	69	72	77	81	82	84	81	69	72	78	80	71	63	61	74	77.3
	MIN	66	62	61	66	69	65	56	50	45	54	59	64	52	42	38																	

DAILY TEMPERATURES

Table 5 - 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	
HOT SPRINGS 1 NNE	MAX	85	82	82	84	85	87	80	75	77	82	85	84	75	71	76	75	69	73	76	81	84	84	81	74	74	79	80	72	63	65	75	
	MIN	66	60	60	68	71	74	55	48	45	52	62	68	47	51	45	49	46	44	44	53	61	61	61	44	39	49	56	55	45	42	42	
JONESBORO	MAX	80	80	83	76	84	88	73	71	74	84	86	79	73	67	70	63	64	66	72	79	84	83	82	71	71	80	78	67	60	71		
	MIN	62	58	63	66	68	60	56	45	44	47	55	60	44	44	40	44	40	43	38	42	54	51	58	42	37	43	40	56	45	38	37	
KEO	MAX	82	78	83	82	87	90	79	72	73	84	87	80	73	68	72	72	71	69	73	81	82	84	81	66	70	77	79	71	61	60		
	MIN	64	57	58	68	68	72	56	43	42	46	58	64	44	41	37	38	38	32	35	40	47	53	51	43	31	35	38	57	41	39		
LEAO HILL	MAX	76	76	75	75	83	88	71	73	76	80	85	83	73	63	73	68	65	68	77	84	83	85	82	66	80	81	80	68	60	75		
	MIN	61	54	58	66	70	63	50	37	38	37	48	56	34	35	30	36	33	29	29	38	43	43	49	32	27	29	30	48	38	26		
LITTLE ROCK WB AP	MAX	83	79	82	82	87	89	73	72	74	84	86	82	73	68	75	72	68	69	75	80	82	83	81	65	72	78	78	69	62	59		
	MIN	67	61	63	68	69	63	58	52	50	52	61	59	47	47	42	47	46	45	40	46	51	55	59	43	38	42	45	51	43	38		
MAGNOLIA 3 N	MAX	87	84	88	88	90	92	86	72	75	86	89	86	77	71	77	77	75	72	79	81	83	84	83	78	74	80	82	76	63	61		
	MIN	66	60	60	67	70	72	53	48	43	47	60	66	48	41	36	48	41	35	36	45	53	50	57	37	34	34	47	55	41	39		
MALVERN	MAX	85	81	84	85	87	89	84	74	75	84	87	84	75	69	76	74	71	71	78	81	84	83	82	75	74	78	80	75	63	60		
	MIN	65	60	58	66	72	72	53	45	41	47	57	66	44	39	35	44	38	36	36	46	47	50	52	43	31	32	37	55	40	37		
MAMMOTH SPRING	MAX	76	81	81	73	86	84	78	74	77	83	88	81	74	66	71	67	67	69	75	83	87	85	85	74	78	85	84	67	60	58		
	MIN	60	52	58	65	67	70	54	38	36	37	46	58	35	36	31	37	39	37	30	36	46	46	52	36	26	30	33	67	50	46		
MARIANNA 2 S	MAX	72	83	80	80	79	86	89	74	73	82	86	85	74	72	68	71	71	67	67	72	78	82	83	82	63	70	78	78	72	61		
	MIN	63	56	60	66	67	70	57	43	41	46	59	59	46	39	35	42	35	41	34	44	49	51	54	46	31	35	41	45	40	32		
MARKED TREE	MAX	79	82	82	82	78	85	90	73	73	76	84	85	76	73	67	69	66	65	65	72	78	84	84	83	62	70	78	78	69	59		
	MIN	61	54	57	64	67	69	56	42	42	43	53	55	45	44	38	40	40	42	34	36	44	49	49	44	32	34	40	43	44	35		
MARSHALL	MAX	78	76	77	74	80	91	76	72	80	83	81	74	66	71	67	67	65	66	70	80	85	83	80	65	76	80	83	65	60	56		
	MIN	60	52	55	62	68	69	62	36	37	40	58	36	36	32	36	34	31	30	30	40	59	46	47	33	30	42	48	47	38	35		
MENA	MAX	83	78	78	78	83	83	67	70	73	81	82	84	70	65	75	75	67	69	78	80	82	81	79	69	74	78	78	69	59	58		
	MIN	65	61	59	68	71	67	58	45	42	47	57	68	46	47	39	45	42	43	48	50	55	59	49	35	42	52	53	42	37	40		
MONTICELLO 3 S	MAX	85	82	82	84	89	90	89	73	85	83	83	83	74	71	74	83	69	69	74	81	82	82	81	80	72	77	78	78	70	61		
	MIN	66	61	60	69	69	72	59	42	46	49	63	63	49	39	36	36	36	36	35	50	49	57	50	52	31	36	43	65	42	36		
MORRILTON	MAX	84	78	78	80	86	89	82	74	75	82	86	86	74	69	74	73	69	71	75	80	85	84	82	74	75	80	77	72	63	59		
	MIN	64	59	58	67	71	74	55	46	42	44	58	65	48	46	39	42	44	44	36	42	47	51	56	42	30	34	37	54	44	40		
MOUNT IDA	MAX	72	84	78	79	82	84	84	70	72	74	80	85	89	73	62	77	72	65	69	77	79	84	83	80	65	74	78	78	70	61		
	MIN	65	67	53	59	72	73	50	40	37	40	49	59	41	41	33	40	38	32	33	36	46	46	54	40	27	29	38	55	44	36		
MOUNT MAGAZINE	MAX	74	67	70	69	75	75	62	64	65	72	76	77	62	58	68	64	56	60	69	75	79	76	74	66	62	72	70	63	51	48		
	MIN	60	57	59	63	65	60	44	51	47	53	61	61	44	40	46	53	38	38	47	47	58	61	57	33	43	52	54	42	33	30		
MOUNTAIN HOME	MAX	74	76	76	80	84	85	70	72	75	80	84	80	70	62	70	65	64	67	75	82	82	83	81	70	77	82	80	67	68	52		
	MIN	62	54	59	58	69	60	54	41	43	44	54	57	46	46	35	40	43	41	34	45	45	50	59	39	34	40	40	47	42	36		
MOUNTAIN HOME C OF ENG	MAX	75	74	77	76	74	80	86	69	74	75	81	84	81	70	63	72	66	65	67	76	84	84	84	82	61	78	84	81	64	59		
	MIN	63	55	59	62	67	70	54	40	39	40	48	58	43	45	33	39	42	40	32	36	47	49	53	37	28	32	38	42	43	35		
NARROWS DAM	MAX	84	87	82	85	85	87	86	84	75	77	83	86	87	75	70	76	79	69	72	77	82	82	83	82	69	74	78	80	72	64		
	MIN	67	60	59	66	68	73	55	45	42	47	56	65	45	39	36	42	39	33	37	41	45	49	49	46	34	35	39	43	39	33		
NASHVILLE PEACH SUBSTA	MAX	78	85	82	84	84	86	86	72	73	82	85	85	74	69	75	79	67	71	77	79	82	82	79	68	72	76	78	71	68	60		
	MIN	64	61	62	64	68	71	50	44	45	52	54	63	44	44	37	44	40	36	40	43	46	51	50	39	33	35	41	47	39	33		
NEWPORT	MAX	83	82	88	80	88	90	75	73	77	85	87	86	75	68	74	69	70	70	75	81	85	85	83	73	74	82	79	66	62	61		
	MIN	61	54	59	60	65	67	56	43	40	43	54	61	45	43	37	40	42	43	36	41	49	51	55	44	31	36	40	55	45	35		
NIMROD DAM	MAX	76	84	76	80	81	85	88	73	75	75	83	86	85	73	68	72	75	68	70	78	82	87	85	82	78	82	80	69	62	62		
	MIN	66	58	55	69	68	68	54	47	44	44	43	58	44	43	38	38	47	38	43	43	45	52	53	43	33	38	40	50	43	38		
OKAY	MAX	87	84	86	88	90	90	85	73	75	85	88	87	85	76	77	81	74	75	79	82	83	84	82	77	73	79	80	75	66	61		
	MIN	67	62	61	69	72	74	53	46	44	48	60	68	49	45	39	46	42	36	38	44	48	51	53	45	32	33	42	63	43	38		
OZARK	MAX	84	74	79	78	83	85	74	74	75	81	86	86	75	70	74	76	69	73	76	85	86	85	85	68	78	80	81	69	64	61		
	MIN	64	61	59	65	68	66	50	43	42	43	54	64	41	39	36	43	39	34	36	44	47	50	52	37	30	33	39	51	38	29		
PARAGOULD	MAX	79	80	83	75	82	88	83	70	74	81	83	79	71	68	68	64	64	70	78	85	81	82	76	70	80	78	70	60	57	70		
	MIN	60	53	61	66	68	70	56	41	38	41	50	60	44	44	37	40	42	33	38	46	48	50	40	27	36	35	55	46	36	28		
PARIS	MAX	87	78	81	82	88	91	74	75	77	83	88	89	75	70	79	77	69	72	82	88	88	90	86	78	79	85	84	73	63	60		
	MIN	64	60	59	67	72	67																										

DAILY TEMPERATURES

ARKANSAS
OCTOBER 1955

Table 5 - 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	
STUTT GART 9 ESE	MAX	70	85	79	80	81	86	89	73	71	75	84	85	75	71	68	73	72	67	69	73	78	82	83	83	64	71	78	78	72	65	60	75.5
	MIN	64	58	60	62	68	69	57	44	44	48	49	60	45	40	38	39	38	39	36	39	48	48	53	46	32	33	41	48	39	35	33	46.9
SUBIACO	MAX	85	75	81	81	86	91	76	75	76	83	87	87	74	68	72	76	67	72	79	86	87	88	85	79	78	83	87	75	62	59	76	78.6
	MIN	66	60	60	69	63		52	45	43	45	57	66	45	45	38	44	44	42	38	45	52	54	57	40	32	37	43	52	37	36	33	48.0
TEXARKANA WB AP	MAX	85	84	86	87	90	89	73	73	75	84	87	86	75	71	77	79	68	72	77	81	82	83	81	66	74	78	80	71	65	61	77	78.0
	MIN	67	64	61	69	73	61	54	50	47	52	66	67	53	48	43	50	45	40	43	52	56	58	56	45	37	41	53	51	43	42	41	52.5
TURNPIKE	MAX	76	70	72	69	73	76	73	68	69	73	76	79	67	58	66	63	59	61	67	72	76	75	73	64	65	71	70	64	52	54	66	68.3
	MIN	59	55	58	61	65	66	47	46	47	52	60	56	46	44	44	48	41	40	46	53	58	58	59	35	44	52	53	43	35	33	40	49.8
WALORON	MAX	85	83	82	82	86	87	78	74	75	84	86	88	73	68	81	78	67	70	82	85	87	86	84	78	80	82	81	73	62	60	76	78.8
	MIN	63	59	54	67	72	72	49	38	36	37	51	68	36	34	29	37	34	32	31	39	46	45	58	39	23	26	41	53	41	37	27	44.3
WALNUT RIDGE CAA AP	MAX	79	80	82	75	81	87	72	71	73	81	83	78	72	65	69	64	67	67	70	77	82	81	79	61	71	79	78	66	60	58	69	73.5
	MIN	59	54	62	68	70	64	49	44	42	44	56	51	44	44	39	41	42	41	36	43	51	50	56	38	33	39	43	49	40	35	33	47.1
WARREN	MAX	86	89	90	90	91	89	78	73	85	89	89	78	79	71	77	78	70	78	81	83	86	86	84	73	73	78	83	78	74	62	72	80.4
	MIN	62	59	68	60	68	67	62	48	44	53	57	62	55	47	39	45	39	36	43	45	47	53	55	46	33	46	54	47	48		33	50.7
WHITE ROCK	MAX	76	66	69	67	73	83	66	68	67	72	76	79	66	60	69	67	59	63	70	76	78	77	75	70	67	72	75	65	50	54	67	69.1
	MIN	60	59	61	64	66	60	46	50	49	52	66	59	48	46	44	48	40	45	48	55	59	62	57	35	44	51	54	43	37	33	40	51.2
WILSON	MAX	80	83	85	75	83	89	88	73	75	83	85	76	71	67	69	64	63	62	61	78	84	83	84	66	71	81	78	72	70	59	70	75.1
	MIN	59	51	55	65	63	66	57	45	41	45	49	56	44	42	41	40	40	47	35	45	47	49	49	43	31	41	41	52	46	39	32	47.0
WYNNE	MAX	83	81	82	78	84	88	82	77	80	83	85	77	71	66	70	68	66	65	71	77	83	85	83	66	69	78	76	68	61	59	70	75.2
	MIN	63	60	63	66	70	72	52	40	46	52	61	60	43	40	38	43	37	40	34	46	51	53	58	37	31	43	48	57	46	34	33	48.9

EVAPORATION AND WIND

Table 6

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		
BLAKELY MOUNTAIN DAM	EVAP	-	-	-	.07	.10	.13	-	*	*	.46	.24	.05	.24	.21	.19	.13	.20	.15	.14	.16	.14	.15	.14	.27	.14	.14	.14	.17	*	*	.44	4.828	
	WIND	*	*	91	24	63	106	134	*	*	110	27	39	86	62	64	63	64	63	45	18	48	95	34	142	48	32	32	103	*	*	.44	1729	
HOPE 3 NE	EVAP	-	.22	.21	.09	.13	.12	.20	.19	.19	.17	.12	.13	.04	.33	.24	.09	.19	.17	.07	.19	.12	.11	.12	.19	-	.09	.16	.09	.17	.13	.13	4.708	
	WIND	46	28	28	10	21	34	49	47	34	13	5	23	18	50	43	5	39	44	28	52	-	10	10	31	38	5	5	41	44	31	25	8868	
MOUNTAIN HOME C OF ENG	EVAP	.09	.10	.10	.04	.04	.03	-	.16	.12	.14	.12	.13	.12	.18	.14	.13	.15	.16	.13	.11	.17	.13	.10	.25	-	-	-	-	-	-	-	1243	
	WIND	37	28	17	13	34	46	86	39	14	18	16	29	44	51	41	29	48	64	39	15	34	26	18	98	30	26	26	67	90	64	56	1243	
NARROWS DAM	EVAP	.09	.14	.05	.16	.09	.08	-	.24	.16	.12	.12	.09	.19	.26	.15	.13	.18	.21	.11	.15	.08	.08	.11	.20	.16	.11	.12	.16	.21	.13	.14	4.388	
	WIND	21	22	23	9	39	59	60	43	22	25	25	28	31	32	36	19	35	38	28	15	19	17	16	59	25	16	14	63	77	56	49	1021	
NIMROO DAM	EVAP	-	.15	.08	.04	.05	.13	.18	.15	.15	.11	.13	.10	.14	.21	.16	.11	.13	.19	.20	.03	.11	.12	.12	.23	.14	.15	.14	.12	.17	.15	.16	4.198	
	WIND	2	2	3	1	10	32	76	22	5	14	5	10	15	44	37	10	8	54	12	24	2	17	7	70	8	18	8	44	126	59	74	819	
RUSSELLVILLE	EVAP	.11	.12	.04	.07	.06	.04	.22	.15	.09	.09	.11	.15	.17	.14	.10	.12	.13	.17	.07	.12	.06	.13	.10	.20	.10	.10	.06	.17	.11	.13	.08	3.51	
	WIND	11	3	5	10	11	12	37	6	8	4	7	15	26	27	4	10	26	22	5	7	5	5	11	36	4	4	9	34	51	45	9	469	
STUTT GART 9 ESE	EVAP	.04	.15	.07	.11	.08	.13	.18	.14	.13	.12	.10	.14	.00	.12	.12	.10	.12	.13	.09	.14	.10	.12	.11	.10	.20	.15	.10	.14	.11	.14	.11	3.60	
	WIND	25	33	14	24	75	108	101	17	25	21	13	48	67	11	20	36	33	57	9	30	51	43	35	77	18	32	41	94	134	83	83	1458	

STATION INDEX

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables
							Temp.	Precip.										Temp.	Precip.		
Abbot	0006	Scott		1 35 04	94 12	824			7A James V. Williams	3	Lurton	4388	Newton		7 35 46	93 05	2007		8A Lola I. Dollar	3	
Alicia	0064	Lewisville		1 34 48	92 52	755			7A Rudy E. Owens	3	Madison	4528	St. Francis		7 05 00	90 43	215		7A Loren R. Jones	3	
Alton Fork	0130	Saline		1 34 47	93 29	854	5P		7A L. R. Water Works	2 3 5 C	Macolia 3 N	4608	Columbia		4 35 18	93 14	315		7A Earl E. Grabha	2 3 5 7 C	
Aly	0138	Yell		1 34 47	93 29	854			7A Gurr B. Swain	3	Macolia 5 N	4550	Columbia		4 33 20	93 13	360		7A Mrs. Minnie Horton	2 3 5 C	
Astis 3 NE	0150	Clark		1 34 17	93 23	-			7A Mrs. Alta P. Garner	3	Malverna	4562	Holt Spring		3 34 23	92 49	311		5P Malverna Fire Dept.	2 3 5 C	
Antonia	0178	Pike		1 34 02	93 25	285			8A Drew A. Lash	3	Mammoth Spring	4572	Fulton		7 36 29	91 32	690		7A John B. McKee	2 3 5 7 C	
Apia 1 W	0188	Perry		1 34 58	93 00	400			7A Bonny Watts	3	Marionna 2 S	4638	Les		7 36 44	90 45	234		8A Univ. of Arkansas	2 3 5 7 C	
Appleton	0196	Pope		1 35 25	92 53	522			7A John A. Jones	3	Marked Tree	4684	Potomac		7 35 52	90 25	228		7A William M. Crick	2 3 5 7 C	
Arkadelphia	0220	Clark		3 34 07	93 03	200			6P Ellis E. Lawrence	2 3 5 C	Marshall	4666	Perry		7 35 54	92 38	1050		7A Mrs. Minnie Horton	2 3 5 7 C	
Arkansas City	0234	Desha		2 33 37	91 12	145			8A John L. Tanswell	3	Marwell	4678	Phillips		7 34 33	90 55	195		8A Sterlin Wallace	3	
Ashdown	0286	Little River		4 33 40	94 08	328			7P Southwestern C & E	2 3 5	Maene	4696	Searcy		7 36 03	92 38	748		7A Verne N. Davenport	3	
Athens	0300	Howard		4 34 19	93 58	960			7A Arza O. Parker	2 3 5	Malheur	4746	Izard		7 36 04	91 54	610		7A Ivan L. Shrader	3	
August	0326	Woodruff		7 35 17	91 22	218			7A David G. Griffiths	3	Monticello 3 S	4900	Drew		3 33 33	91 48	285		5P Arkansas A & M Col.	2 3 5 7 C	
Bald Knob	0330	White		7 35 18	91 34	420			6P Univ. of Arkansas	2 3 5 C	4906	Ashley		3 33 19	91 29	125		7A Univ. of Arkansas	2 3 5 7 C		
Batesville Livestock	0458	Independence		7 35 49	91 47	571			9A Div. of Arkansas	2 3 5 C	4934	Calhoun		3 33 19	92 37	85		7A Corps of Engineers	3		
Batesville L & D 1	0460	Independence		7 35 45	91 38	277			7A James J. Mitchell	2 3 5 C	4988	Montgomery		3 34 33	93 38	85		7A Edna J. Westfall	2 3 5 7		
Bear Creek Lake	0496	Lee		7 34 43	90 42	220			7A R. C. Adams	3	Mountain Home	5010	Logan		1 35 10	93 41	2900		7P D.S. Forest Service	2 3 5 C	
Beatty Lake	0512	St. Francis		5 35 05	90 43	400			MID U.S. Forest Service	2 3 5 C	5036	Baxter		7 36 20	92 23	800		8A Corps of Engineers	2 3 5 6 C		
Beaver	0518	Carroll		1 36 28	93 46	1930			7A R. E. Skelton	2 3 5	5046	Stone		7 35 52	92 08	768		7A Mildred H. Ward	3		
Beets	0530	White		7 35 04	91 53	250			MID Lowell H. Perkins	3	5056	Crawford		1 35 36	94 12	730		5P CLOSSE - - -	11/10/54		
Beech Grove	0534	Greene		7 36 09	90 39	298			8A E. E. Bammond	3	5072	Pike		3 34 35	94 01	500		7A Henry G. Arvin	2 3 5 7 C		
Bedeewee	0536	Jackson		7 35 26	91 08	221			8A P. M. Breckinridge	3	5110	Pike		3 34 35	94 01	500		8A Corps of Engineers	2 3 5 6 C		
Benton	0582	Saline		6 34 33	92 37	285			8A Mrs. Rita C. Burks	2 3 5	5174	Pike		3 34 35	93 43	425		7A Vera J. Gunn	2 3 5 7		
Bentonsville	0586	Benton		1 36 22	94 13	1295			7A Lee W. McKenney	3	5186	Jackson		7 35 36	91 17	220		7A Luther D. Summers Jr	2 3 5 7		
Berryville 4 NW	0616	Carroll		7 36 26	93 37	1150			7A James C. Mays	3	5200	Perry		1 34 57	92 10	470		8A Corps of Engineers	2 3 5 6 C		
Big Flat	0622	Baxter		7 36 00	92 24	1250			MID Corps of Engineers	3	5228	Baxter		7 36 15	92 15	425		7A Corps of Engineers	2 3 5 6 C		
Big Lake	0864	Polk		3 34 29	93 58	1100			7A Paul M. Adams	3	5238	Washington		1 35 48	94 24	1500		7A Mrs. Renzo Burnett	3		
Big Lake Outlet	0876	Mississippi		5 35 51	90 08	238			7A W. W. Douglas	3	5258	Hempstead		3 34 38	93 48	205		7A Mary T. Scheu	2 3 5 7 C		
Black Rock	0748	Lawrence		7 36 07	91 06	259			7A C. E. Vandell	2 3 5 C	5376	Howard		7 35 36	91 17	220		7A Elsie F. Word	2 3 5 7 C		
Blakely Mountain Dam	0764	Garland		3 34 36	93 11	428			8A Corps of Engineers	3 6 C	5384	Logan		7 35 36	91 17	220		7A Univ. of Arkansas	2 3 5		
Bloss Mountain Dam	0798	Yell		1 35 06	93 39	455			MID Corps of Engineers	3	5480	Mississippi		4 33 43	89 58	250		8A Wm. A. Cowan	3		
Bluff City	0808	Neveda		7 35 25	91 28	240			7A Iris Elmore Wicker	3	5498	Saline		3 34 37	92 49	500		8A Guy Cook	3		
Blytheville	0806	Mississippi		7 34 54	91 10	205			7A Marshall Bickson	2 3 5 7 C	5562	Green		1 35 29	90 50	396		6P Burns Wakefield	2 3 5 7		
Booneville	0830	Logan		5 35 09	93 55	511			7A W. H. Schaefer	2 3 5 7	5576	Green		1 35 18	93 45	-		7A R. P. Baugh	2 3 5 7		
Bostonburg	0842	Van Buren		7 35 39	92 30	1200			MID Thomas W. Pearson	3	5576	Logan		1 35 18	93 45	-		SS Fred J. Girard	2 3 5		
Boughton	0848	Neveda		3 33 52	93 20	235			7A Earl B. Mortner	2 3 5	5586	Cross		5 35 16	90 35	222		7A Corine D. Gardner	3		
Bradford	0872	White		7 35 51	91 28	240			7A Robert D. Schaefer	2 3 5 7	5602	Newton		1 35 57	93 15	925		7A Arthur B. Carlton	2 3 5 6 C		
Brinkley	0936	Monroe		7 34 54	91 10	205			7A Austin D. Barris	3 7	5628	Perry		7 36 07	92 49	325		7A Francis Finckler	2 3 5 7		
Buffalo Tower	1010	Newton		7 35 52	93 30	-			7A John W. Knight	2 3 5 C	5754	Jefferson		1 34 12	90 20	215		7P Mrs. Pearl Newton	2 3 5 7		
Bull Shoals Dam	1029	Baxter		7 36 22	92 33	460			MID Edith Z. Lehman	3	5756	Jefferson		1 34 10	91 56	205		MID U.S. Civil Aero Adm	2 3 5 7 C		
Burdette	1052	Mississippi		1 35 05	93 37	309			8A D. S. Gray	2 3 5 C	5760	Montgomery		3 34 35	93 54	840		7A J. R. Huddleston	3		
Cahot 4 SW	1102	Pulaski		7 34 54	92 40	989			7A Earl B. Ridgick	2 3 5 7	5820	Randolph		7 36 16	90 39	330		7A Benedictine Sisters	2 3 5 7		
Calico Rock	1132	Izard		7 36 08	92 08	400			8A John L. Tait	3	5864	Abiley		3 33 14	90 29	242		7A R. P. Baugh	2 3 5 7		
Canden 1	1152	Duchita		3 33 36	92 49	116			MID Ark. Pwr & Lt Co.	3	5908	Neveda		3 33 48	93 23	318		7A M. Soil Conservation	2 3 5 7		
Canden 2	1154	Duchita		3 33 33	92 51	555			7A R. P. Mortner	3	5910	Neveda		3 33 48	93 23	318		7A M. Soil Conservation	2 3 5 7		
Camp Chaffee	1172	Sebastian		1 35 18	94 18	419			6P Dr. Irving P. Beach	2 3 5	5970	Marion		7 36 16	92 51	800		MID Oona V. McLean	3		
Canana	1188	Sebastian		7 35 52	92 44	-			7A Earl B. Ridgick	2 3 5 7	6006	Logan		1 35 18	92 51	463		7A Lulu M. Weeks	3		
Caroline 1 SW	1224	Lonoke		1 34 47	91 45	235			7A Margaret Corman	3	6016	Miller		4 33 04	94 30	820		7A R. P. Baugh	2 3 5 7		
Carpetner Dam	1228	Garland		3 34 58	93 54	1260			8A Hande C. Henslers	3	6102	Rt Spring		3 34 26	92 54	-		7A R. P. Baugh	2 3 5 7		
Clarewood	1424	Monroe		7 34 41	91 18	172			MID William L. Hines	3	6174	Cleveland		3 33 57	92 11	231		MID Soil Cons. Service	3		
Clarksville	1455	Johnson		1 35 28	93 28	436			7P Dr. Irving P. Beach	2 3 5	6246	Benton		7 36 20	92 07	1387		7A R. P. Baugh	2 3 5 7		
Clinton	1492	Van Buren		7 35 55	92 28	510			7A Earl B. Ridgick	2 3 5 7	6276	Pope		7 35 38	92 17	600		SS Howard Yoder	2 3 5 7		
Cold Springs	1520	Scott		3 34 58	93 54	1260			7A D. T. Tucker	2 3 5 7	6306	Franklin		7 34 23	91 08	200		7A Fish & Wildlife Serv	2 3 5 6		
Coma 1 H	1574	Madison		3 34 58	93 54	1260			7A Joe C. Allen	2 3 5	6336	Clark		5 26 27	90 08	300		7A William S. Buckley	2 3 5 7		
Compton	1582	Newton		3 34 58	93 54	1260			7A W. W. Douglas	3	6396	White		3 35 15	91 44	245		5P Adam C. Melton	2 3 5 7		
Coway	1596	Faulkner		1 35 05	92 27	309			7A Virde Byrd	2 3 5	6506	Grant		3 34 07	92 21	290		6P Ark. Forestry Comm.	2 3 5 7		
Corning	1632	Clay		7 36 24	90 35	293			6P Cummins Prison Farm	2 3 5 C	6624	Benton		1 36 11	94 33	1150		7A John Brown Univ.	2 3 5 C		
Cotter	1640	Baxter		7 36 17	92 31	440			7A William A. Brown	3 7	6636	Benton		1 36 11	94 33	1150		MID A. R. Richardson	2 3 5 C		
Cove	1668	Polk		4 34 26	94 02	155			7A J. A. Woudy	3	6768	Dallas		3 33 55	92 48	260		7A Mrs. Rachel Butler	3		
Crosscut 7 S	1730	Ashley		3 33 02	91 46	775			7A Gretchen Gouder	2 3 5	6804	Lafayette		4 33 22	93 30	370		7A Robert Baker	3		
Crystal Valley	1750	Pulaski		1 34 42	92 26	350			7A D. T. Tucker	2 3 5 7	6820	Lincoln		3 33 54	91 51	292		7A Ark. Forestry Comm.	2 3 5 7		
Cummings Farm	1768	Lincoln		1 34 08	91 35	176			7A D. R. Collins	2 3 5 7	6856	Yell		3 34 53	93 19	682		7A P. Sims	3		
Daisy	1814	Pike		1 34 14	91 45	165			8A L. W. Wilson	2 3 5	6916	Arkansas		1 34 29	91 32	214					

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

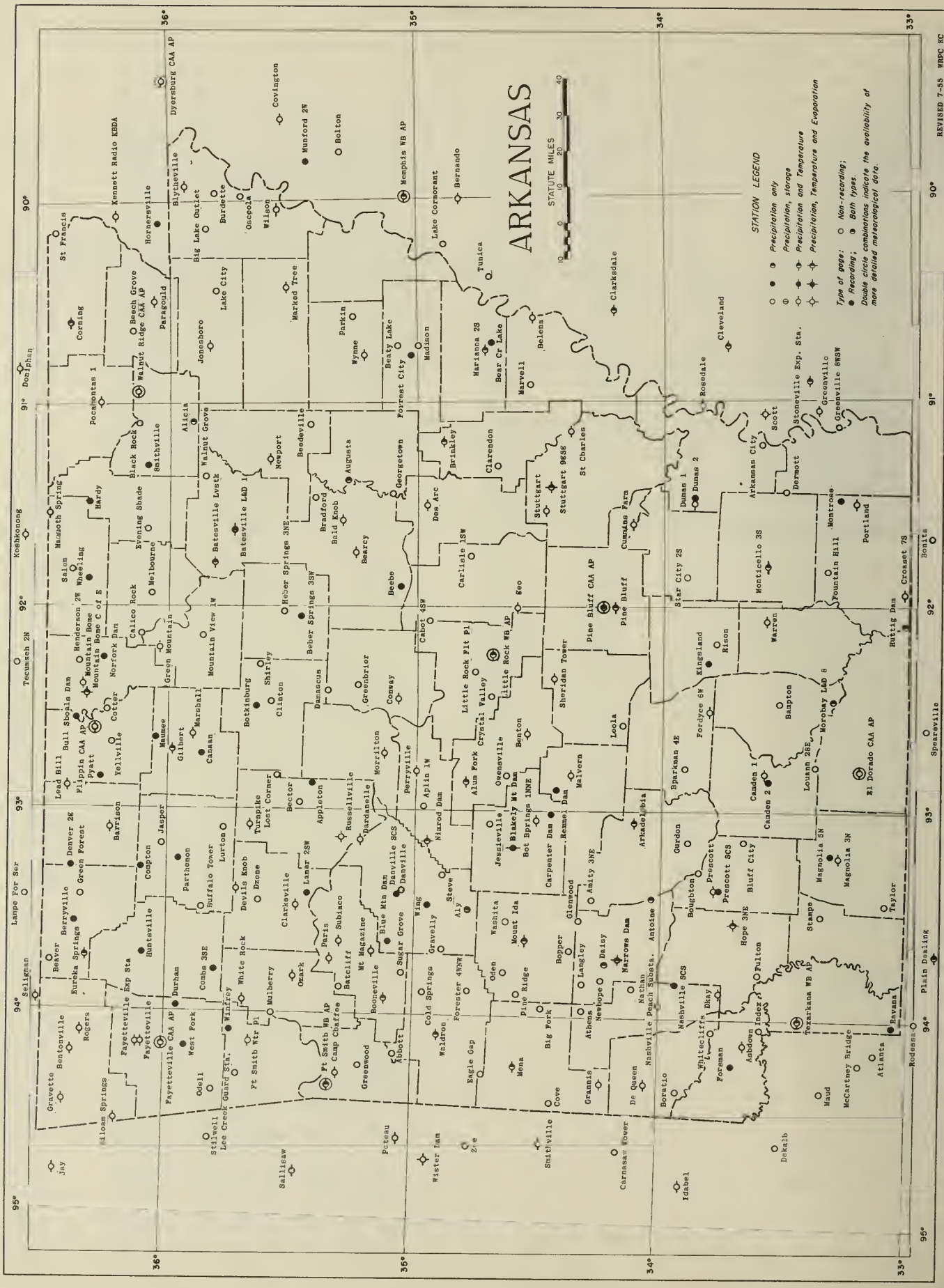
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Include total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, ASHEVILLE, N. C. -- 12-7-55 -- 1005



STATION LEGEND

- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - Precipitation, Temperature and Evaporation
- Type of page: ○ Non-recording;
 ● Recording; ○ Both types
 Double circle combinations indicate the availability of more detailed meteorological data.

551.05
UNAR
Vol. 60"

Archivist

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

U. S. Department of Commerce
WEATHER BUREAU
NWRC-Ashville, N. C.

OFFICIAL BUSINESS
Permit No. 1024

U. S. Department of Commerce
Weather Bureau
OFFICIAL BUSINESS
Penalty for private use to avoid
payment of postage, \$300.
PERMIT 1024

DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL. 03

NOVEMBER 1955
Volume LX No. 11



JAN 1956
UNIVERSITY OF ILLINOIS

ASHEVILLE: 1956

NAT.
HIST.

ARKANSAS - NOVEMBER 1955

WEATHER SUMMARY

November was cool and very dry. Temperatures averaged 49.4° or 2.0° below normal. Rainfall averaged 1.97 inches or 52% of normal. The rains during the last half of the month benefited winter grains, meadows, and pastures.

November 1st was mild but a cold front, which crossed the State during the night, ushered in the first general freeze of the season over the main crop areas. The cool spell lasted until the 10th. The 11th was warm and some record-breaking high temperatures occurred during the hot spell from the 12th to 15th. Maximums for the period, which were also the highest temperatures for the month, ranged from the middle and upper 70's at a few high-elevation stations to 90° at Dumas. The cold front which crossed the State on the night of the 15th introduced a three-day cool spell. Warm weather prevailed on the 21st and 22d. Two more cold fronts crossed Arkansas during November--one on the night of the 22d and the other during the afternoon of the 27th. The first of these dropped the temperatures to slightly below normal and the other preceded the coldest days of the season, the 28th to 30th. Daily mean temperatures averaged 16° to 18° below normal during the last three days of the month and all stations except three registered their coldest temperatures for the month during that period. Monthly minimums ranged from 8° at Gravette to 23° at Little Rock. Monthly mean temperatures ranged from 44.2° at Siloam Springs to 54.9° at Okay. Monthly mean temperatures were below normal at practically all stations.

Very little rain fell during the first two weeks. A few scattered showers occurred over the north on the 2d. Scattered showers occurred on several days during the last half of the month. In general, the showery days were the 14th to 16th, 18th, 22d to 25th, and 30th. The larger amounts occurred in the eastern part of the State. Rainfall over the extreme west was very light and several western stations received less than an inch of rain during the entire month. The least amount was 0.36 inch at Gravette. Several scattered localities from El Dorado to the extreme northeastern part of the State received amounts in excess of 3.00 inches. The greatest monthly total, 3.79 inches, occurred at Hampton. Precipitation was below normal at all stations except Paragould. The greatest deficiencies were in the extreme southwest. Snow flurries occurred at many stations. The greatest snowfall amount, 0.8 inch, occurred at Fort Smith.

The weather during November was favorable for outdoor farm activities which consisted principally of cotton picking, rice and soybean harvest, picking corn, pruning orchards, gathering pecans, care of livestock, clearing, hunting, fencing, fertilizing, butchering, digging potatoes, plowing, and planting winter grains. Pastures were brown during the first part of the month but improved, as did the fall sown grains, during the latter half in response to the rains. Livestock continued in good condition with plenty of feed.

STORMS

A tornado injured five persons and caused \$15,000 property damage in Van Buren County shortly before noon on the 2d. Tornadoes occurred in Cleburne, Independence, Lawrence, Newton, Perry, and Washington Counties during the afternoon and evening of the 15th. They caused at least one death, several personal injuries, and several thousand dollars of property damage. For more details concerning the severe storms that occurred in Arkansas during November, the reader is referred to Climatological Data, National Summary.

Lucius W. Dye

CLIMATOLOGICAL DATA

ARKANSAS
NOVEMBER 1955

TABLE 2 - CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days			
										90° or Above	32° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	1/2 or More	1.00 or More		
																							Max.	Min.
DEVILS KNOB	57.3	35.9	46.6		78	13	11	28	555	0	1	14	0	1.32	-	0.36	19	0.0	0	0	0	4	2	0
EUREKA SPRINGS	61.0	35.0	48.0		83	15	12	29	525	0	2	15	0	1.81	-1.42	1.09	16	0.0	0	0	0	3	1	1
FAYETTEVILLE	59.7	34.7	47.2	-1.9	82	15	14	29	550	0	1	18	0	0.99		0.49	16	T	0	0	0	3	0	0
FAYETTEVILLE CAA AP	59.0	29.8	44.4		82	15	12	30	617	0	1	20	0	1.44		0.73	16	T	0	0	0	4	0	0
FAYETTEVILLE EXP STA	60.4	32.9	46.7	-2.6	82	15	11	29	563	0	1	19	0	1.43	-1.62	0.45	30	T	T	30	4	0	0	0
FLIPPIN CAA AP	60.7	30.8	45.8		83	13+	13	28	585	0	1	21	0	1.05		0.52	18	T	0	0	0	3	1	0
FORT SMITH WB AP	R //	62.5	34.4	48.5	-2.0	86	13	18	29	507	0	15	0	1.50	-1.52	0.58	18	0.8	1	30	3	1	0	0
FT SMITH WATER PLANT		64.4	30.6	47.5		83	13	13	29	536	0	0	21	1.03		0.48	19+	0.0	0	0	0	2	0	0
GILBERT		63.9	31.3	47.6		84	13	12	30	537	0	0	20	2.55	-0.34	0.85	23	0.0	0	0	0	4	0	0
GRANNIS		64.2	37.5	50.9	0.0	83	13+	13	17	453	0	0	14	1.02	-3.67	0.47	23	0.0	0	0	0	3	0	0
GRAVETTE		60.0	29.9	45.0	-3.5	81	15	8	29	608	0	1	19	0.36	-2.82	0.25	16	0.0	0	0	0	2	0	0
GREEN MOUNTAIN	AM																							
HARRISON		61.2	29.9	45.6	-2.8	82	12+	10	30	589	0	0	20	1.05	-1.68	0.58	18	0.0	0	0	0	3	1	0
HOPE 3 NE	AM	65.8	37.4	51.6	-1.6	86	13+	20	29	440	0	0	14	1.94	-2.61	0.68	19	0.0	0	0	0	6	2	0
HOT SPRINGS 1 NNE		64.6	41.3	53.0	-0.8	84	13	21	28	390	0	0	9	1.72	-2.60	0.65	16	0.0	0	0	0	3	2	0
LEAO HILL		62.8	28.0M	45.4M	-2.1	84	15	11	30	605	0	1	20	1.70	-1.68	0.51	2	0.0	0	0	0	4	1	0
LITTLE ROCK WB AP	R //	62.3	39.4	50.9	-0.6	86	13	23	28+	459	0	0	9	1.80	-2.12	0.77	18	T	0	0	0	4	2	0
MALVERN		65.4	37.4	51.4		86	13	20	29+	439	0	0	15	2.04		0.60	18	0.0	0	0	0	5	1	0
MAMMOTH SPRING		61.3	30.6M	46.0M	-2.3	86	13	12	30	575	0	0	20	1.59	-1.81	0.55	3	0.0	0	0	0	4	1	0
MARSHALL		61.6	32.9M	47.3M	-3.2	83	13	13	30	553	0	0	0	0.89	-2.70	0.70	19	0.0	0	0	0	2	1	0
MENA		63.3	39.3	51.3	-0.6	84	14	19	28+	445	0	0	13	1.64	-1.93	1.09	16	0.0	0	0	0	2	2	1
MORRILTON		64.2	37.1	50.7	0.0	85	13	20	29+	458	0	0	15	1.36	-2.51	0.65	19	0.0	0	0	0	4	1	0
MOUNT IOA	AM	62.8	32.0	47.4	-2.7	84	14	15	30	536	0	0	20	1.11	-3.04	0.62	19	0.0	0	0	0	3	1	0
MOUNT MAGAZINE		56.6M	34.3M	44.5M		75	13+	10	28+	617	0	2	13	1.69		0.61	15	0.0	0	0	0	3	3	0
MOUNTAIN HOME		61.1	34.7	47.9	-0.7	83	15	14	30	524	0	0	17	1.52	-1.65	0.50	18	0.0	0	0	0	5	1	0
MOUNTAIN HOME C OF ENG	AM	60.4	29.7	45.1		84	15	13	28+	599	0	1	22	1.76		0.56	16+	0.0	0	0	0	4	2	0
NARROWS OAM	AM	65.2	34.6M	49.9M		85	13+	20	30	485	0	0	14	1.54		0.40	16	0.0	0	0	0	6	0	0
NASHVILLE PEACH SUBSTA	AM	64.9M	35.6	50.2M		85	14	18	29	462	0	0	14	1.45		0.37	23	0.0	0	0	0	5	0	0
NIMROD OAM	AM	67.3M	33.9M	50.6M		86	14	16	30	450	0	0	19	1.45		0.60	23	0.0	0	0	0	4	2	0
OKAY		69.0	40.8	54.9	1.6	87	12	21	29	363	0	0	11	1.42	-2.94	0.60	23	0.0	0	0	0	4	2	0
OZARK		64.7	33.4	49.1	-2.0	87	13	17	29+	496	0	0	18	1.35	-1.73	0.64	24	0.0	0	0	0	3	1	0
PARIS		66.8	34.7	50.8		88	13	18	29+	450	0	0	17	1.73		0.82	23	0.0	0	0	0	3	1	0
PERRYVILLE		67.2M	33.2M	50.2M	0.1	86	13+	17	30	480	0	0	18	1.95	-1.65	0.97	16	0.0	0	0	0	4	2	0
ROGERS		61.3M	34.1	47.7M	-1.0	83	15	13	29	521	0	0	15	1.28	-1.75	0.94	16	0.0	0	0	0	3	1	0
RUSSELLVILLE		64.4	35.5	50.0	-0.1	87	13	19	29	470	0	0	16	2.55	-1.22	0.88	15	0.0	0	0	0	4	3	0
SHERIDAN TOWER						86	14				0	0									0	0		
SILOAM SPRINGS	AM	59.4	28.9	44.2		83	14+	11	29+	619	0	1	19	0.79		0.48	16	T	0	0	0	2	0	0
SUBIACO		65.4	36.5	51.0	-1.0	87	13	17	28	454	0	0	15	2.19	-0.98	0.92	23	0.0	0	0	0	4	2	0
TEXARKANA WB AP	R //	65.5	41.6	53.6	-1.2	86	12+	21	29	395	0	0	8	1.15	-3.18	0.73	18	T	0	0	0	3	1	0
TURNPIKE		55.9	36.0	46.0		77	13	13	28+	572	0	0	12	1.84	-2.25	0.82	23	0.0	0	0	0	4	2	0
WALDRON		65.0	33.1	49.1		87	14	14	30	505	0	0	18	2.24	-1.31	1.30	15	0.0	0	0	0	4	2	1
WHITE ROCK		57.9	36.3	47.1		77	13	12	28+	540	0	1	13	1.12		0.48	23	0.0	0	0	0	3	0	0
OIVISION				48.8	-1.9									1.48	-2.20			T						
DELTA DIVISION																								
ARMOELPHIA		65.3	38.7	52.0	-1.2	86	13	22	30	418	0	0	11	3.77	-0.08	2.05	14	0.0	0	0	0	4	2	2
BALD KNOB		63.3	34.6	49.0		86	13	17	29	502	0	0	18	1.58		0.68	18	0.0	0	0	0	4	2	0
BATESVILLE LIVESTOCK	AM	61.2	29.4	45.3		86	14	11	30	594	0	1	20	1.42		0.67	19	T	0	0	0	3	1	0
BATESVILLE L AND O NO 1		62.2	35.0	48.6		84	13	15	30	510	0	0	17	2.60	-0.04	1.76	16	0.0	0	0	0	4	3	1
BLTTHEVILLE		59.8	36.2	48.0	-2.2	85	13	15	28	523	0	0	13	3.41	-0.56	0.77	18	0.0	0	0	0	5	3	0
BRINKLEY		63.9M	35.6M	49.8M	-2.1	87	13	18	29+	491	0	0	17	2.89	-1.07	1.10	18	0.0	0	0	0	4	3	1
CAMOEN 1	AM	65.0	36.0	50.5	-2.9	87	14+	20	30	463	0	0	17	2.96	-1.45	1.00	16	0.0	0	0	0	4	3	1
CORNING	AM	59.1	34.0	46.6	-2.0	83	14	14	28	555	0	0	17	1.19	-2.30	0.46	19+	0.0	0	0	0	4	0	0
CROSSETT 7 S		66.5	39.9M	53.2M	-0.6	87	13+	19	29	409	0	0	12	2.37	-1.84	0.98	2	0.0	0	0	0	6	1	0
CUMMINS FARM		64.5	40.4	52.5		87	14	18	29	412	0	0	8	2.71		0.82	19	0.0	0	0	0	4	3	0
OES ARC	AM	62.7	31.4M	47.1M		87	14	15	29	559	0	0	20	2.28		1.28	19	0.0	0	0	0	4	2	1
OMAS 1		65.1	39.2	52.2	-1.3	90	14	20	29	422	1	0	11	3.58	-0.65	1.74	18	T	0	0	0	6	2	1
EL DORADO CAA AP		64.7	39.5	52.1	-3.0	86	12+	22	29+	430	0	0	11	3.06	-1.72	1.49	18	T	0	0	0	3	2	1
FOROYCE 6 W		65.9M	42.1M	54.0M	0.6	86	14	19																

DAILY PRECIPITATION

ARKANSAS
NOVEMBER 1955

Table 3—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					
MARKED TREE	1.73			.05													.33	T	.83					.52													
MARSHALL	.89		T																.70					.19													
MARVELL																																					
MELBOURNE	1.30			.20															.75																		
MENA	1.64													T	T	1.09	T		.54					.35													
MONTICELLO 3 S	2.79		.15			.26											.04	1.00	.71					.45	T	.15											
MOROBAY L AND O NO 8	1.91		.23			.18	.13				.01						.08		.85					.35													
MORRILTON	1.36		.33														.11		.65	T				.27										.07			
MOUNT IGA	1.11																.31		.62					.18													
MOUNT MAGAZINE	1.69															.61		.54						.54													
MOUNTAIN HOME	1.52		.17													.13	.35	.50	.03					.34													
MOUNTAIN HOME C OF ENG	1.76		T	.15												.56		.56						.49													
MOUNTAIN VIEW 1 W	1.38			.11												.37		.60						.30													
MULBERRY 6 NNE	2.27			T												.82		.45					1.00														
NARROWS DAM	1.58		.15			.09								.11	.14	.40		.06	.32				.31			T											
NASHVILLE PEACH SUBSTA	1.54		T	.22		.02								.06	.06	.25	.19		.35				.37				.04										
NATHAN 4 MNW	1.06			.07										.07	.07	.31		.31					.30														
NENHOPE 3 E	1.08		.44													.64																					
NEWPORT	2.48			.60											.07	T	.30		.90				.61														
NIMROD DAM	1.45		.11													.19		.55					.60														
OEELL	.63			.06												.03	.15		.27				.12														
OENL	.70		T	T												.28		.42						.42													
OKAY	1.42		.03	T											.36	.05	.15	.52	.07				.22			.02											
OSCEOLA	2.21			.25												.82		.45					1.00														
OMENSVILLE	1.04		T	.05				T				T	T	T	T	.50		.39									.10										
OZARK	1.35		T													.26		.45																			
OZONE	2.71															1.50		.26					.95	.64													
PARAGUOLO	3.50		.27													.57	.66	1.27	.73																		
PARIS	1.73		.32												.02	.08	.49	.82																			
PARKIN	2.88		.01	.27												.55		1.35	.70																		
PERRYVILLE	1.99		.12													.21	.97		.65																		
PINE BLUFF	2.52			.31												.26		.36					.36														
PINE BLUFF CAA AP	2.39					.05										.24	.02	1.16	1.52				.02	.42	.13	.03											
PINE RIDGE	.74		.07													.28	T	.39																			
POCAHONTAS 1	1.51			.18												.23		.50																			
PORTLAND	2.70			.25		.75	.53				T					.15	.05	.25	.35																		
PRESCOTT	1.40		T	.18									T	T				.85																			
RATCLIFF	.54															T		.31	.11																		
RISON	1.90																	1.57																			
ROGERS	1.28		T	T												T	.94	.24	.33																		
RUSSELLVILLE	2.55		.47													.88		.60	.03																		
SAINT CHARLES	2.48			.16												.19		1.39	.57																		
SAINT FRANCIS	3.22			.28												2.05		.62	.27																		
SALEM			.46													.34		.54	.78																		
SEARCY	1.62			.08												T	.22	.78	.54																		
SHERIDAN TOWER														.38	.14		.98	.20																			
SHIRLEY	3.12			1.00												.53		.91	.68																		
SILAM SPRINGS	.79		.01	T												.48	T	.30	T																		
SPARKMAN 4 E	2.09															.10		1.00	.79																		
STAMPS	1.69					T	T									.28		1.20	.21																		
STAR CITY 2 S	2.37			.12												.34		1.52	.31																		
STEVE	1.45																	.86																			
STUTTGART	2.84			.33												.20	.41	.59	1.27																		
STUTTGART 9 ESE	3.60			.45												.03	.52	1.51	1.00																		
SUBIACO	2.19			.30												.30		.67	.92																		
SUGAR GROVE	2.03															.98		.58	.47																		
TAYLOR	1.04			.06												.06		.50	.01																		
TEXARKANA WB AP	1.15					.05	.17								T	T	.09	.73	T				.16		T												
TURNPIKE	1.84															.10	.09	.52	.82																		
WALORON	2.24		T	.31												1.30	.10	.20	.64																		
WALNUT GROVE	3.36		.10													1.50	.50	.69	.57																		
WALNUT RIDGE CAA AP	1.83		.06													.66	.05	.72	.01																		
WARREN	3.68		.04			.89				T								1.59	.49				.33	.01	T			.20									
WASHITA																																					
WHITE ROCK	1.12			.07												.12		.45	.48																		
WHITECLIFFS	1.57		.47										T					.45	.33																		
WILSON	2.46		.33													T	.22	.10	.45																		
WYANE	2.97		.35													T		1.48	.21																		
YELLVILLE	1.19																	.82	.93																		

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1955

Table 5

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	
ALUM FORK	MAX	70		59	64	66	66	61	59	59	69	74	80	84	83	83	74				60	62	67	71	70	55	59	56	68	63	45	40
	MIN			32	29	37	37	31	32	29	28	41	71	67	62	62	34	26	34			34	33	34	50	44	30	30	27	29	20	21
ARKADELPHIA	MAX	77	82	58	63	64	69	69	57	59	63	76	84	86	79	80	75	49	45		60	61	68	75	73	54	61	60	66	60	44	42
	MIN	57	58	33	27	37	49	30	35	26	28	36	53	61	64	64	39	25	33		34	32	31	52	48	34	40	29	34	23	23	22
ASHOOWN	MAX	83	82	62	65	69	66	64	58	58	59	78	84	86	86	83	76	50	44		62	64	68	80	74	57	63	63	68	62	46	43
	MIN	62	58	28	27	40	56	29	34	25	31	36	60	64	64	69	39	25	35		38	30	37	52	51	37	33	27	34	22	18	21
BALO KNOB	MAX	73	73	52	62	64	62	63	59	58	64	73	81	86	83	83	72	48	45		57	60	66	75	71	53	60	56	65	53	43	38
	MIN	40	56	23	20	23	36	22	23	18	21	27	44	49	52	52	33	16	20		29	25	30	52	43	30	36	26	28	21	17	19
BATESVILLE LIVESTOCK	MAX	72	70	69	53	65	70	59	61	53	57	68	73	81	86	72	80	41	48		46	56	61	69	74	44	46	60	60	69	32	41
	MIN	40	56	23	20	23	36	22	23	18	21	27	44	49	52	52	33	16	20		29	25	30	52	43	30	36	26	28	12	12	11
BATESVILLE L AND O NO 1	MAX	72	71	51	62	68	60	60	55	51	67	73	81	84	82	82	77	47	45		55	60	67	75	72	52	60	60	58	41	41	38
	MIN	60	51	30	23	32	42	22	24	21	26	47	62	67	58	55	34	19	26		32	27	33	54	43	23	30	22	33	20	20	15
BENTON	MAX	77	78	59	64	64	64	63	53	59	65	75	83	86	78	78	76	47	41		60	63	68	75	73	49	60	60	69	47	44	40
	MIN	55	52	25	23	31	42	25	26	20	23	34	56	61	59	64	35	20	29		28	26	27	48	45	33	38	24	34	21	17	17
BENTONVILLE	MAX	73	63	52	64	72	59	48	48	56	63	71	79	82	73	82	58	42	43		57	65	68	75	69	49	49	58	55	26	33	39
	MIN	60	34	22	26	40	32	22	22	21	27	49	47	61	43	58	18	16	33		33	31	34	56	31	23	24	20	20	14	13	11
BLYTHEVILLE	MAX	73	73	49	60	67	60	60	48	55	64	72	78	85	80	83	47	43	39		47	57	66	73	70	48	53	57	65	48	37	37
	MIN	51	46	32	27	35	46	30	28	25	36	45	58	66	63	46	33	25	33		32	26	34	49	45	29	33	28	38	15	17	18
BOONEVILLE	MAX	83	76	55	71	76	57	63	54	58	71	78	86	88	85	82	71	49	40		62	70	75	80	74	49	58	61	64	39	42	38
	MIN	64	49	27	22	37	45	23	25	18	20	48	54	63	55	69	28	16	33		35	30	35	51	41	29	30	24	31	19	17	16
BRINKLEY	MAX	75	78	52	62	64		65	58	56	64	74	82	87	81	82	78	46	43		54	60	68	75	72		58	57	65	54	41	38
	MIN	54	52	30	22	31		22	25	18	26	41	59	68	68	65	40	22	27		33	25	31	48	44		30	25	35	19	18	18
CAMOEN 1	MAX	74	79	80	54	64	65	64	63	52	57	67	77	81	87	87	73	54	52		41	60	64	70	77	63	50	62	62	71	53	46
	MIN	34	59	32	27	31	31	31	32	26	28	35	47	63	65	65	53	25	25		37	33	31	32	49	35	34	28	27	25	21	20
CAMP CHAFFEE	MAX	76	83	67	55	75		69	60	54	60	75	78	85	86	80	83	40	48		43	62	69	75	81	57	50	60	56	62	35	41
	MIN	40	55	26	23	31		23	27	18	22	33	41	56	53	56	26	17	25		32	30	28	37	40	27	27	29	29	22	15	15
CLARKSVILLE	MAX	76	74	55	65	70	71	62	56	56	66	76	85	86	83	82	77	50	42		60	64	71	77	72	62	60	56	65	41	43	37
	MIN	64	52	27	25	32	41	24	26	22	24	37	50	58	57	67	31	19	32		32	32	33	50	40	29	30	25	30	22	17	20
CONWAY	MAX	73	76	55	63	65	62	62	55	58	66	75	83	85	84	85	75	49	43		58	64	69	74	72	53	61	57	66	47	44	40
	MIN	56	53	31	28	38	43	29	30	26	28	43	59	66	64	67	38	22	32		36	32	36	51	44	31	37	28	37	23	19	21
CORNING	MAX	70	71	70	50	62	60	57	54	50	55	65	72	80	83	71	80	43	46		39	45	58	66	72	54	46	59	59	54	40	42
	MIN	46	54	31	25	29	40	27	27	23	33	38	46	66	54	54	39	22	27		32	27	36	44	43	27	27	26	30	14	17	17
CROSSETT 7 S	MAX	79	82	56	66	61	61	64	58	58	63	76	82	87	87	83	81	52	48		60	68	69	79	75	57	59	60	69	63	44	48
	MIN	57	52	36	23	32	50	33	30	27	33	42	59	69	69	69	52	28	31		39	30	29	54	57	41	42	28	33	25	19	20
CUMMINS FARM	MAX	75	79	65	61	63	65	62	52	58	63	76	83	86	87	80	78	47	44		53	59	68	75	72	53	59	62	69	60	39	42
	MIN	45	59	40	36	44	50	29	32	26	34	39	57	69	70	65	43	28	34		34	33	34	50	51	35	42	31	38	21	18	21
DARONELLE	MAX	82	73	54	66	72	63	62	55	56	67	76	84	87	85	81	75	49	44		62	65	72	76	71	52	61	55	65	47	44	40
	MIN	49	53	31	27	37	48	29	32	25	26	44	60	61	59	66	34	24	34		35	32	33	44	43	30	34	27	32	23	21	22
OE QUEEN	MAX	84	79	60	66	69	67	66	54	53	67	79	87	86	87	84	75	53	46		67	67	73	81	76	53	62	63	68	48	48	43
	MIN	55	57	29	25	40	53	28	31	24	23	36	50	63	62	69	35	25	35		35	31	30	61	45	30	32	27	31	19	17	23
DES ARC	MAX	73	74	70	54	62	63	66	65	53	58	65	75	83	87	83	82	49	47		39	51	59	68	75	60	49	61	57	67	41	44
	MIN	34	55	27	23	29	42	23	25	20	23	30	41	63	64	65	45	19	22		30	26	32	36	42	28	28	23	32	18	15	16
DEVILS KNOB	MAX	68	64	49	60	63	57	55	50	54	60	70	76	78	74	73	65	41	35		54	59	63	69	65	44	59	51	60	30	37	35
	MIN	56	44	23	35	44	43	35	26	32	37	47	53	63	56	64	22	20	27		27	38	43	49	31	23	32	39	30	11	12	15
DUMAS 1	MAX	80	80	55	63	60	60	62	52	58	66	77	84	88	90	80	76	50	45		55	68	70	79	75	49	61	60	70	43	44	46
	MIN	52	54	34	27	37	50	30	30	25	34	40	59	69	68	60	40	25	31		35	33	32	51	48	36	41	30	39	23	20	22
EL DORADO CAA AP	MAX	78	83	54	64	62	59	64	51	55	64	76	86	86	85	75	75	50	43		62	67	70	79	75	49	61	60	70	43	44	46
	MIN	57	46	30	27	37	45	35	30	27	35	44	62	68	70	70	35	31	30		35	31	30	55	49	38	34	30	34	26	22	22
EUREKA SPRINGS	MAX	76	63	50	67	72	65	49	50	58	64	73	81	80	79	83	74	42	43		58	70	70	75	70	46	56	60	58	29	31	39
	MIN	62	44	23	32	45	42	27	28	25	33	52	56	61	42	62	19	18	33		33	37	40	56	32	24	29	26	26	14	12	

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1955

Table 5 - 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	
HOT SPRINGS 1 NNE	MAX MIN	75 58	74 55	57 32	64 32	62 45	63 50	66 35	57 32	59 31	65 37	75 44	83 58	84 69	82 70	76 63	73 35	51 27	44 33	64 35	63 37	69 43	72 55	72 45	53 32	64 37	60 34	68 43	58 21	46 22	40 24	64.6 41.3
JONESBORO	MAX MIN	71 50	72 46	50 31	62 28	65 34	59 46	60 31	53 29	57 25	64 34	72 43	82 58	83 60	69 57	81 63	76 38	46 25	36 29	50 34	58 29	66 33	74 45	50 42	50 30	56 36	55 32	64 33	38 16	39 15	37 19	60.2 35.8
KEO	MAX MIN	77 55	79 49	51 29	61 24	63 33	67 45	62 27	51 29	25 21	66 28	76 40	85 59	88 66	82 67	81 65	77 36	48 22	38 29	55 33	62 29	69 30	74 48	73 30	50 30	59 40	59 29	69 36	46 21	41 19	39 20	63.5 36.9
LEAO HILL	MAX MIN	77 50	67 40	54 21	69 21	74 29	60 40	54 20	50 20	62 18	67 23	75 47	83 58	83 61	81 70	84 70	71 45	47 27	49 27	58 36	70 32	73 25	70 27	53 27	58 40	56 35	60 26	30 23	38 16	38 11	62.8 28.0	
LITTLE ROCK WB AP	MAX MIN	75 58	77 42	52 34	63 30	63 39	64 46	62 30	52 39	59 46	65 33	75 44	83 62	86 69	80 68	76 70	46 32	39 29	39 33	58 36	63 34	70 30	75 50	60 41	46 39	59 39	58 29	67 28	37 24	42 20	38 27	62.3 39.4
MAGNOLIA 3 N	MAX MIN	82 59	84 65	69 32	70 25	66 40	67 50	66 31	58 25	59 25	67 34	80 47	87 61	87 61	78 70	72 45	52 27	47 27	61 36	67 32	72 35	60 49	74 56	49 36	58 39	62 29	68 28	60 24	45 20	47 21	68.2 40.1	
MALVERN	MAX MIN	77 58	78 50	56 30	65 25	65 34	66 48	64 26	57 31	23	65 25	76 33	85 59	86 66	81 64	75 65	71 42	44 25	44 30	63 30	63 29	70 30	78 53	73 51	53 48	62 34	62 28	68 26	60 30	45 22	47 20	65.4 37.4
MAMMOTH SPRING	MAX MIN	69 53	68 46	53 27	66 23	62 29	60 29	60 20	52 24	60 20	67 27	72 41	83 50	86 60	77 50	82 48	80 26	48 18	41 28	53 32	62 24	69 27	74 45	69 39	47 19	60 24	56 19	62 25	33 14	40 16	39 12	61.3 30.6
MARIANNA 2 S	MAX MIN	75 43	77 53	55 32	61 24	65 36	65 47	63 25	51 31	58 21	63 32	74 46	80 56	87 66	82 64	80 40	78 24	47 31	42 31	54 35	59 27	67 36	73 46	71 31	49 36	57 46	59 27	66 37	60 21	41 18	39 20	63.3 35.9
MARKEO TREE	MAX MIN	69 34	73 47	50 34	60 25	67 34	64 44	59 28	57 26	23	64 31	73 40	79 59	86 68	75 59	82 62	76 36	46 24	40 29	50 34	56 28	65 32	73 47	54 30	56 43	70 35	57 25	65 20	45 15	38 14	37 13	61.4 35.6
MARSHALL	MAX MIN	76 56	73 47	51 29	66 23	70 44	60 50	52 22	50 24	57 27	67 34	72 45	81 58	83 67	77 50	80 65	70 25	46 16	40 30	58 27	66 33	70 38	74 43	70 35	47 35	57 28	56 25	65 20	36 15	37 14	61.6 32.9	
MENA	MAX MIN	79 62	79 51	53 30	64 28	66 42	62 52	61 32	51 34	58 26	67 33	73 46	82 62	83 68	84 62	81 65	72 22	48 33	38 22	59 31	63 32	70 42	74 59	72 41	49 32	60 34	61 29	66 39	49 19	40 19	38 20	63.3 39.3
MONTICELLO 3 S	MAX MIN	78 57	78 62	65 34	64 25	66 33	61 33	63 35	62 31	57 24	67 34	71 40	83 60	86 69	87 69	83 68	79 45	50 27	50 34	58 37	63 33	69 37	77 49	75 53	69 36	60 39	62 36	68 28	69 15	43 18	44 18	66.5 39.7
MORRILTON	MAX MIN	75 51	78 52	55 31	66 26	68 35	63 45	62 29	58 28	57 27	67 25	75 42	83 59	85 65	82 62	82 66	75 38	49 25	42 30	60 35	65 32	69 46	74 45	55 29	60 36	56 26	64 30	46 23	40 20	35 15	31 15	64.2 37.1
MOUNT IOA	MAX MIN	72 50	76 55	77 28	54 21	64 33	65 43	64 26	62 30	52 41	59 30	68 41	74 60	82 54	84 57	82 59	80 48	42 18	50 26	39 32	60 26	64 27	69 34	74 43	58 24	49 32	60 22	60 25	69 15	33 20	43 15	62.8 32.0
MOUNT MAGAZINE	MAX MIN	66 56	65 37	43 22	58 33	59 34	55 42	50 34	44 29	46 29	58 34	65 45	74 52	83 62	77 62	83 60	67 18	41 21	34 21	62 42	67 45	70 31	64 45	40 25	57 33	48 33	53 33	60 10	57 10	35 17	30 17	54.6 34.3
MOUNTAIN HOME	MAX MIN	71 58	68 37	50 26	66 26	71 39	57 46	53 26	50 29	59 23	65 32	73 47	82 56	83 62	84 60	81 60	72 18	48 21	38 21	59 32	63 42	70 39	74 68	68 47	58 32	49 22	60 25	60 30	69 15	33 17	43 14	61.1 34.7
MOUNTAIN HOME C OF ENG	MAX MIN	73 31	72 61	69 26	51 24	68 25	73 34	55 23	54 27	51 20	59 26	66 55	73 44	83 60	83 49	84 75	38 20	45 26	32 29	40 32	56 26	66 27	69 34	75 43	52 24	45 20	57 20	56 22	60 13	28 15	36 13	60.4 29.7
NARROWS OAM	MAX MIN	76 61	78 31	80 31	59 28	65 32	66 45	67 29	66 28	55 26	60 25	65 44	77 58	85 56	85 60	83 64	83 40	48 23	52 30	40 34	65 30	65 30	70 48	76 32	62 48	50 35	66 28	62 35	62 22	42 21	47 20	65.2 34.6
NASHVILLE PEACH SUBSTA	MAX MIN	75 37	81 61	80 27	57 27	64 35	68 45	66 29	65 31	68 27	84 28	76 33	76 41	84 61	85 64	83 67	79 36	51 26	51 30	39 31	64 34	63 32	79 46	64 36	63 33	49 31	65 28	65 20	42 20	47 18	20 18	64.9 35.6
NEWPORT	MAX MIN	73 53	72 46	63 30	65 26	70 32	60 45	63 27	54 23	60 23	68 30	75 38	83 58	86 67	84 58	85 36	70 48	48 39	32 36	54 36	62 28	69 34	76 44	70 42	49 38	61 44	60 28	69 34	48 28	41 18	39 19	63.9 35.7
NIMROO DAM	MAX MIN	74 35	78 64	77 32	57 26	68 29	72 45	64 31	63 33	56 24	59 26	70 44	76 62	85 66	86 64	83 64	82 34	20 23	23 33	33 29	63 33	66 31	70 44	79 28	62 48	49 34	62 28	58 35	67 25	47 18	44 16	67.3 33.9
OKAY	MAX MIN	83 62	82 63	65 29	66 27	69 45	69 50	69 31	66 33	60 24	65 26	87 44	87 62	86 69	84 69	82 71	76 40	51 26	48 34	65 37	67 33	72 31	81 63	76 49	66 37	65 38	63 28	69 25	65 21	48 23	46 23	69.0 40.8
OZARK	MAX MIN	79 59	73 47	58 26	68 24	74 33	62 44	64 26	58 20	60 25	68 32	76 46	84 62	87 68	85 60	83 60	65 18	50 34	43 32	62 32	65 31	73 49	79 50	73 38	49 25	62 28	57 23	66 29	40 17	40 17	64.7 33.4	
PARAGOULO	MAX MIN	69 62	67 46	47 29	58 23	68 31	57 45	60 24	54 23	55 20	63 24	73 20	76 57	84 66	78 53	75 51	67 36	38 24	38 25	48 31	55 25	65 31	72 45	68 31	68 45	56 41	64 26	64 14	38 17	37 16	60.5 34.3	
PARIS	MAX MIN	82 59	78 51	54 28	70 26	77 33	67 44	63 25	57 30	21	70 23	87 38	87 51	88 59	87 55	82 64	78 29	48 19	42 33	61 35	69 30	75 32	81 44	75 40	63 29	58 30	59 26	65 30	47 22	42 18	18	66.8 34.7
PERRYVILLE	MAX MIN	76 63	78 50	77 32	67 25	69 32	64 45	58 26	60 23	58 26	78 35	86 64	86 60	86 60	86 77	77 23	29 28	28 28	29 28	61 33	68 33	73 28	76 45	72 33	55 26	64 35	62 31	69 31	49 25	44 19	17	67.2 33.2
PINE BLUFF	MAX MIN	77 58	79 53	54 34	63 30	61 41	65 52	62 33	51 34	56 28	64 35	76 45	84 63	87 70	85 60	80 39	49 29	40 35	40 35	55 36	63 34	69 38	76 54	74 49	53 35	59 41	62 33	69 25	50 25	43 20	43 25	64.2 41.8
PINE BLUFF CAA AP	MAX MIN	78 57	78 44	52 30	63 27	60 36	66 45	62 30	52 29	57 25	64 32	77 45	84 62	87 68	87 68	80 70	76 39	47 28	40 35	54 35	63 32	69 35	75 49	68 57	49 41	62 35	67 30	70 24	42 19	42 23	63.5 38.7	
POCAHONTAS 1	MAX MIN	65 52	70 47	51 29	60 24	67 29	59 39	60 28	56 25	59 21	65 28	71 45	80 49	85 65	82 54	75 31	47 20	43 29	51 33	56 25	30	72 41	70 50	50 28	60 25	63 29	65 29	42 12	40 17	37 15	61.0 32.6	
PORTLAND	MAX MIN	72 32	79 48	79 36	52 27	63 28	62 38	56 38	60 34	51 28	54 24	62 43	75 42	82 62	81 68	86 66	84 28	50 28	46 38	56 38	62 38	68 52	77 44	63 30	63 40	58 35	62 30	62 30	65 26	43 24	43 26	63.5 36.4
PRESCOTT	MAX MIN	73 34	80 56	72 29	55 24	63 25	65 47	64 30	63 24	52 24	56 25	64 43	73 62	83 62	84 65	83 45	78 22	48 23	38 30	60 30	65 31	68 45	75 32	61 45	60 32	48 32	60 27	60 27	48 20	40 18	42	62.9 33.9
ROGERS	MAX MIN	73 63	67 43	49 23	64 27	72 43	65 42																									

DAILY TEMPERATURES

ARKANSAS
NOVEMBER 1955

Table 5 - 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	
STUTTGART 9 ESE	MAX	70	76	78	51	60	59	65	62	50	56	63	74	81	86	83	80	52	46	40	53	58	65	73	59	49	58	58	66	37	40	61.6
	MIN	35	52	31	27	27	43	26	26	24	25	31	42	61	66	65	51	25	27	33	33	32	35	48	40	30	35	27	32	17	19	19
SUBIACO	MAX	81	75	55	68	74	65	62	56	58	69	78	86	87	86	81	75	50	45	61	65	73	80	75	52	57	57	64	46	41	41	65.4
	MIN	64	45	30	27	35	46	30	31	25	27	43	57	60	57	65	28	21	33	33	32	35	48	40	30	35	27	32	17	19	19	36.5
TEXARKANA WB AP	MAX	83	83	55	65	68	65	63	51	59	65	77	86	86	86	78	75	52	42	62	66	71	81	63	50	63	63	70	44	47	45	65.5
	MIN	60	44	32	31	41	45	36	36	29	31	47	62	69	70	72	34	29	34	38	39	40	62	47	38	38	35	37	25	21	27	41.6
TURNPIKE	MAX	65	65	47	57	61	57	53	48	49	58	62	75	77	73	71	64	41	36	54	57	62	68	65	45	55	50	58	34	35	35	55.9
	MIN	55	43	24	36	43	45	35	27	32	37	41	54	63	54	64	24	21	29	30	36	41	44	33	24	32	37	34	13	13	15	36.0
WALDRON	MAX	81	76	54	68	71	67	61	54	57	69	77	86	85	87	80	61	59	43	60	68	73	78	73	50	57	62	66	46	41	39	65.0
	MIN	63	53	24	19	33	41	20	23	15	17	41	61	66	53	50	26	17	30	34	27	32	55	39	23	28	21	30	19	18	14	33.1
WALNUT RIOGE CAA AP	MAX	69	70	50	61	65	57	59	50	53	63	71	79	83	65	81	74	46	39	50	58	65	72	59	45	58	53	64	29	39	37	58.8
	MIN	54	40	30	26	36	35	29	28	24	33	45	58	65	52	52	26	23	30	32	29	37	49	35	28	31	28	22	14	17	17	34.2
WARREN	MAX	79	78	63	65	66	62	61	58	51	75	84	87	86	79	77	50	40	55	67	77	74	61	62	60	44	44	60	44	44	66.2	
	MIN	48	52	34	26	51	32	36	26	41	45	62	69	67	70	38	27	32	38	31	35	54	50	41	40	31	41	22	21	22	40.8	
WHITE ROCK	MAX	70	68	48	67	67	60	54	49	50	59	68	75	77	74	76	70	43	37	57	58	64	69	67	51	57	50	58	27	35	33	57.9
	MIN	57	44	25	35	44	42	35	26	29	36	46	54	62	61	64	17	20	27	29	44	43	52	31	27	33	35	27	12	12	20	36.3
WILSON	MAX	72	74	51	60	64	64	60	54	54	64	72	79	86	79	86	73	39	42	67	73	71	51	54	57	65	38	42	38	61.8		
	MIN	51	46	39	27	35	46	28	28	24	36	46	59	62	60	68	40	26	33	32	33	36	50	45	29	33	28	28	15	17	15	37.2
WYNNE	MAX	73	73	50	61	64	63	61	48	56	63	73	79	85	82	81	75	46	38	51	58	67	75	72	42	38	38	62.0				
	MIN	50	47	31	26	40	42	23	25	22	34	43	61	68	67	67	34	20	27	35	27	38	54	44	20	16	15	37.5				

EVAPORATION AND WIND

Table 6

Station	Day of month																															Total	Ave.
	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		
BLAKELY MOUNTAIN DAM	EVAP	.17	.07	.20	.09	*	*	.31	.14	.08	.05	.10	*	*	.40	-	.18	*	.20	*	*	.10	.09	-	-	.07	-	-	-	-	-	-	-
	WIND	120	117	193	47	*	*	167	80	29	25	33	*	*	298	77	200	95	49	*	*	130	54	135	71	50	*	*	241	112	54	2377	
HOPE 3 NE	EVAP	.13	.07	.17	.09	.08	.09	.16	.08	.06	.08	.07	.10	.12	.09	.13	.11	.09	.12	.00	.07	.05	.07	.08	.15	.08	.05	.08	.09	-	-	2.748	
	WIND	40	40	71	20	7	14	43	33	10	4	12	58	39	28	47	79	34	51	22	5	3	20	31	77	30	8	9	58	39	16	948	
NARROWS DAM	EVAP	.16	.12	.14	.09	.22	.08	.10	.04	.08	.08	.06	.16	.05	.06	.08	.31	.11	.13	.02	.07	.08	.11	.13	.15	.05	.13	.03	-	-	-	3.168	
	WIND	65	119	89	29	19	35	22	47	22	20	21	65	46	32	70	132	48	32	20	22	21	63	80	50	29	23	25	65	74	30	1415	
NIMROD DAM	EVAP	.24	.09	.07	.08	.10	.08	.13	.13	*	*	.26	.12	.14	.15	.09	.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	47	44	60	22	12	8	5	57	5	18	2	51	45	13	20	130	43	15	17	5	22	18	66	12	4	6	7	56	61	24	895	
RUSSELLVILLE	EVAP	.08	.21	.10	.08	.05	.08	.15	.10	.04	.04	.09	.08	.10	.08	.13	.17	.04	.01	.05	.03	.08	.02	.15	.07	.06	.07	.05	-	-	-	2.468	
	WIND	11	27	23	4	9	9	28	6	3	4	27	8	14	16	11	60	6	18	18	8	10	23	23	14	6	10	55	21	16	496		
STUTTGART 9 ESE	EVAP	.18	.11	.18	.06	.08	.09	.07	.08	.07	.09	.13	.07	.01	.28	.02	.29	.05	.13	-	.03	.05	.09	.28	.12	.02	.05	.05	-	-	-	3.028	
	WIND	138	161	104	21	30	55	20	11	16	15	40	214	122	99	93	235	48	50	37	10	32	85	137	30	45	9	38	61	60	23	2039	

SNOWFALL AND SNOW ON GROUND

Table 7

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			
DUMAS 1	SNOWFALL:		T																															
EL DORADO CAA AP	SNOWFALL:																																T	
FAYETTEVILLE EXP STA	SNOWFALL:																	T																
FORT SMITH WB AP	SNOWFALL:																																	0.8
LITTLE ROCK WB AP	SNOWFALL:																								T									
PRESCOTT	SNOWFALL:																																	
TEXARKANA WB AP	SNOWFALL:																																	T

STATION INDEX

ARKANSAS
NOVEMBER 1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observer	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observer	Refer to tables
Abbott	0006	Scott	1 35 04	94 12 824		7A	Jesse V. Williams	3	Lurton	4386	Newton	7 35 46	93 05 2007		8A	Lola I. Dollar	3
Almic	0064	Lawrence	7 35 54	81 05 256		7A	Ruby B. Owens	3	Madison	4528	St. Francis	5 35 00	90 43 215		7A	Loren H. Jones	3
Alum Fork	0130	Saline	1 34 48	82 52 755		5P	L. R. Water Works	2 3 5	C	4548	Columbia	4 33 19	93 14 315		6P	Earl E. Grabos	2 3 5 7
Aly	0136	Tell	3 34 49	83 29 854		7A	Gurn B. Strick	3	Magnolia 5 N	5750	Columbia	4 34 29	93 11 369		8P	Ark. Pwr & Lgt Co.	3 5
Asity 3 NE	0150	Clark	3 34 17	83 25 -		7A	Mrs. Alta F. Garner	3	Malvern	4562	Hot Spring	3 34 23	92 49 311		5P	Malvern Fire Dept.	2 3 5
Antone	0178	Pike	3 34 02	93 25 285		8A	Brew A. Lamb	3	C	4572	Fulton	7 36 29	92 31 690		8E	John H. McKee	2 3 5 7
Applin 1 W	0188	Perry	1 34 58	93 00 400		7B	Robert Watts	3	C	4638	Lee	5 34 44	90 45 234		6P	Univ. of Arkansas	2 3 5 7
Appleton	0196	Pope	1 35 25	92 53 522		6P	Billman E. Lawrence	2 3 5	C	4654	Poinsett	5 35 35	90 25 229		7A	William H. Crick	2 3 5 7
Arkadelphia	0220	Ark.	3 34 07	93 03 200		8A	John W. Trammell	3	C	4666	Sevier	7 35 58	92 38 128		8A	Mrs. Minnie Horton	2 3 5
Arkansas City	0234	DeWitt	2 33 37	91 12 145		7P	Southwestern G & E	2 3 5	C	4678	Phillips	7 34 33	90 55 195		8A	Sterlin Wildlife	3
Ashton	0286	Little River	4 33 40	94 08 329		7P	Arms D. Parker	3	C	4696	Sevier	7 36 03	92 39 749		MID	Verne N. Davenport	3
Athens	0300	Howard	4 34 19	93 58 960		7A	David G. Griffiths	2 3 5	C	4746	Lizard	7 36 04	91 54 610		7A	Ivan L. Shrador	3
Augusta	0306	Woodruff	7 35 17	91 22 216		6P	Univ. of Arkansas	2 3 5	C	4756	Polk	3 34 35	94 15 1207		6P	E. W. St. John	2 3 5 7
Bald Knob	0350	White	7 35 18	91 34 230		6P	Univ. of Arkansas	2 3 5	C	4900	Drew	3 33 35	91 48 285		5P	Arkansas A & M Col.	2 3 5 7
Hatesville Livestock	0458	Independence	7 35 49	91 47 571		9A	Univ. of Arkansas	2 3 5	C	4906	Asheley	3 33 19	91 129		MID	Ark. Pwr & Lgt Co.	3
Batesville L & D 1	0460	Independence	7 35 45	91 38 277		5P	James J. Mitchell	2 3 5	C	4934	Calboun	3 33 19	92 27 85		7A	John H. McKee	2 3 5 7
Bear Creek Lake	0496	Lee	7 34 43	90 42 320		MID	U.S. Forest Service	3	C	4938	Morrilton	1 35 07	92 45 280		5P	Ema S. Lowell	2 3 5
Bealy Lake	0512	St. Francis	3 35 05	90 42 400		7A	Anna W. Brackinridge	3	C	4988	Montgomery	3 34 33	93 36 863		7A	William E. Black	2 3 5
Beaver	0518	Carroll	7 36 28	93 46 930		7A	E. E. Skelton	3	C	5010	Logan	1 35 10	91 41 2800		7P	U.S. Forest Service	2 3 5
Bebe	0530	White	7 35 04	91 53 250		MID	Lowell E. Perkins	3	C	5038	Baxter	7 36 20	92 23 800		7P	Charles Shiras	2 3 5 7
Beech Grove	0534	Greene	7 36 09	90 38 298		8A	B. B. Hanson	3	C	5038	Baxter	7 36 20	92 23 800		8A	Corp. of Engineers	2 3 5 6
Beehiveville	0536	Jackson	7 35 26	91 06 221		7A	C. G. Adamson	3	C	5046	Stone	7 35 52	92 08 768		7A	Soil Cons. Service	3
Benton	0582	Saline	6 34 33	92 37 285		6P	Mrs. Bita C. Hurks	2 3 5	C	5056	Crawford	1 35 36	94 12 720		5P	CLOSD	12/10/54
Bentonville	0586	Henton	1 36 22	94 13 1295		6P	Earle L. Browne	2 3 5	C	5072	Franklin	1 35 34	94 01 500		7A	Berry G. Arvin	3
Berryville 4 NW	0616	Carroll	7 36 28	93 37 1150		7A	David L. Stidham	3	C	5110	Pike	3 34 10	93 43 425		8A	Corp. of Engineers	2 3 5 6
Big Flat	0662	Baxter	7 36 00	92 24 1250		7A	CLOSD	1/1/55		5112	Howard	4 34 00	93 56 550		7A	Univ. of Arkansas	2 3 5
Big Fork	0664	Polk	7 35 51	90 28 238		7A	Anna W. Brackinridge	3	C	5114	Howard	4 35 57	93 03 373		MID	Soil Cons. Service	3
Big Lake Outlet	0676	Mississippi	3 35 51	90 08 238		6P	N. W. Douglas	3	C	5158	Howard	3 34 07	93 52 550		7A	Edna J. Westfall	3
Black Rock	0746	Lawrence	7 36 07	91 06 259		7A	Lee W. McGee	3	C	5174	Pike	3 34 14	93 50 850		7A	Bleie F. Wood	2 3 5
Blackly Mountain Dam	0764	Garland	3 34 36	93 20 426		8A	Corp. of Engineers	3	C	5186	Newport	7 35 25	91 17 725		5S	Luther D. Summers Jr	2 3 5 7
Blue Mountain Dam	0798	Yell	1 35 06	93 39 455		MID	Corp. of Engineers	3	C	5200	Perry	1 34 57	93 10 470		8A	Corp. of Engineers	2 3 5 6
Bluff City	0800	Nevada	3 33 41	93 09 360		7A	Paul M. Adams	3	C	5228	Baxter	7 35 15	92 15 425		7A	Corp. of Engineers	2 3 5 6
Blutsville	0806	Mississippi	5 35 56	90 55 252		7A	Ivy W. Crawford	2 3 5	7	5354	Washington	1 35 48	94 24 1500		7A	Mrs. Renzo Hurst	3
Booneville	0830	Logan	7 36 58	93 01 511		7P	Cleo E. Vandell	2 3 5	C	5358	Montgomery	3 34 38	94 48 600		7A	Ver J. Gann	3
Botkinburg	0842	Van Buren	7 35 39	92 30 1200		MID	Thomas M. Pearson	3	C	5376	Howard	4 33 46	93 38 300		5P	Fred J. Girard	2 3 5
Bourbon	0848	Nevada	3 33 52	93 20 235		7A	Iris Elmore Wicker	3	C	5460	Mississippi	2 35 43	92 58 250		8A	Allyn A. Cowan	3
Bradford	0872	White	7 35 25	91 28 240		7A	Marshall Hickson	3	C	5498	Saline	3 34 37	92 49 500		8A	Guy Cook	3
Brinkley	0926	Monroe	7 34 54	91 10 205		5P	Robert D. Schaefer	2 3 5	7	5508	Franklin	1 35 29	93 50 396		6P	Brans Wakefield	2 3 5 7
Buffalo Tower	1010	Newton	7 35 52	93 20 426		7A	Heulah Jones Fowler	3	C	5562	Franklin	1 35 29	93 50 396		4P	Radiation Station KDRS	2 3 5
Bull Shoals Dam	1020	Carroll	7 36 22	92 34 460		MID	Corp. of Engineers	3	C	5576	Louis	1 35 18	93 45 -		5S	Fred J. Girard	2 3 5
Burdette	1052	Mississippi	2 35 49	89 57 240		6P	C. A. Emle	3	C	5586	Cross	5 35 16	90 35 225		7A	Corine D. Gardner	3
Cabot 4 SW	1102	Pulaski	7 34 57	92 04 289		5P	R. M. Walther	3	C	5602	Newton	1 35 57	93 15 922		MID	Arthur B. Carlton	3
Calico Rock	1132	Lizard	7 36 08	92 08 400		7A	Austin D. Harris	3	C	5694	Perry	1 35 00	92 49 325		7A	Francis Finkeberry	2 3 5
Candem 1	1152	Ouchita	3 34 29	92 49 416		7A	John W. Knobloch	2 3 5	7	5756	Jefferson	1 34 10	91 56 205		MID	Univ. S. Civil Aero Ada	2 3 5 7
Candem 2	1154	Ouchita	3 33 35	92 51 155		MID	Edith Z. Lehman	3	C	5760	Montgomery	3 34 35	93 54 840		7A	J. R. Huddleston	3
Camp Chaffee	1188	Sevier	7 35 52	92 44 -		8A	U. S. Army	2 3 5	C	5820	Pocahontas 1	7 36 16	90 58 330		7A	Benedictine Sisters	2 3 5 7
Canaan	1224	Lonoke	1 34 47	91 45 235		8A	John L. Tate	3	C	5866	Ashley	3 33 14	91 30 122		7A	Mrs. Pearl Newton	2 3 5 7
Carroll 1 SW	1236	Garland	3 34 01	93 01 172		7A	John W. Knobloch	2 3 5	7	5910	Nevada	3 33 48	93 23 -		5S	Fred J. Girard	2 3 5 7
Carroll 2 SE	1442	Monroe	7 34 41	91 16 172		6P	F. Northern	3	C	5920	Prescott	3 33 48	93 23 -		MID	Soil Cons. Service	3
Clarksville	1455	Johnson	7 35 35	93 28 436		6P	Dr. Irving F. Beach	2 3 5	C	5970	Marion	7 36 16	92 31 900		MID	Ona V. McLean	3
Clinton	1492	Van Buren	7 35 35	92 26 510		7A	Earl H. Haddock	3	C	6008	Lionel	1 35 18	93 53 463		7A	Lulu W. Weeks	3
Cold Springs	1514	Scott	3 34 58	93 45 429		7A	Margaret Zornes	3	C	6016	Ittler	7 34 23	92 02 250		MID	Boony L. Allen	2 3 5
Combs SB	1574	Madison	7 35 48	93 48 1400		MID	Maude C. Brashears	3	C	6102	Hot Spring	3 34 26	92 14		MID	Ark. Pwr & Lgt Co.	3
Compton	1582	Newton	7 36 06	93 18 2166		MID	William L. Hines	3	C	6174	Cleveland	3 33 57	92 11 231		8A	J. B. Yancey	3
Conway	1596	Faulkner	1 35 05	92 27 309		5P	G. Y. Short	2 3 5	C	6248	Marion	7 36 20	94 07 1387		5S	Bowdler Fowler	2 3 5 7
Corning	1632	Clay	7 36 24	90 35 293		7A	Mrs. Laura Polk	2 3 5	7	6352	Pope	1 35 18	93 08 360		5P	U.S. Forest Service	2 3 5 6
Cotter	1640	Baxter	7 36 17	92 31 279		7A	Robert T. Fielding	3	C	6356	Benton	1 36 11	94 33 1150		7A	John Brown Haly	2 3 5
Cove	1666	Polk	4 34 26	94 25 1050		7A	Joe C. Allen	3	C	6380	Saint Francis	5 36 27	90 08 300		7A	William E. Buckley	3
Crossett 7 S	1730	Ashley	3 33 02	91 56 175		5P	U.S. Forest Service	2 3 5	C	6506	White	7 35 15	91 44 245		5P	Adam C. Melton	2 3 5 7
Crystal Valley	1750	Pulaski	1 34 42	92 26 350		7A	Virna Byrd	3	C	6566	Grant	3 34 27	92 21 290		6P	Ark. Forestry Comm.	2 3 5 7
Cummins Farm	1768	Lincoln	1 34 08	91 35 176		6P	Cummins Prison Farm	2 3 5	C	6586	Van Buren	7 35 38	92 17 800		7A	Maud H. Bradford	3
Daisy	1814	Pike	3 34 29	93 45 429		7A	Ferna Jones Tedder	3	C	6654	Gentry	1 36 11	94 33 1150		7A	John Brown Haly	2 3 5
Danaeue	1829	Faulkner	1 35 22	92 25 705		7A	William A. Brown	3	C	6698	Lawrence	7 36 05	91 18 450		MID	A. H. Richardson	3
Danville	1834	Tell	1 35 03	93 24 370		7A	J. A. Houdy	3	7	6768	Dallas	7 35 55	92 48 260		7A	Mrs. Rachel Butler	3
Dardanelle	1838	Yell	1 35 13	93 09 330		6P	Grechen Goodier	2 3 5	C	6804	Lafayette	4 33 22	93 30 670		7A	Hubert Baker	3
De Queen 2	1948	Sevier	7 36 23	93 18 1028		5P	U. S. Army	2 3 5	7	6820	Lincoln	3 33 54	91 51 312		7A	Ark. Forestry Comm.	3
Denver 2 E	1956	Hempstead	4 33 03	93 18 1028		MID	Clarence E. Collins	3	C	6856	Yell	1 34 53	93 19 680		7A	J. P. Riss	3
Dermott	1960	Chicot	2 33 31	91 26 140		8A</											

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data on Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

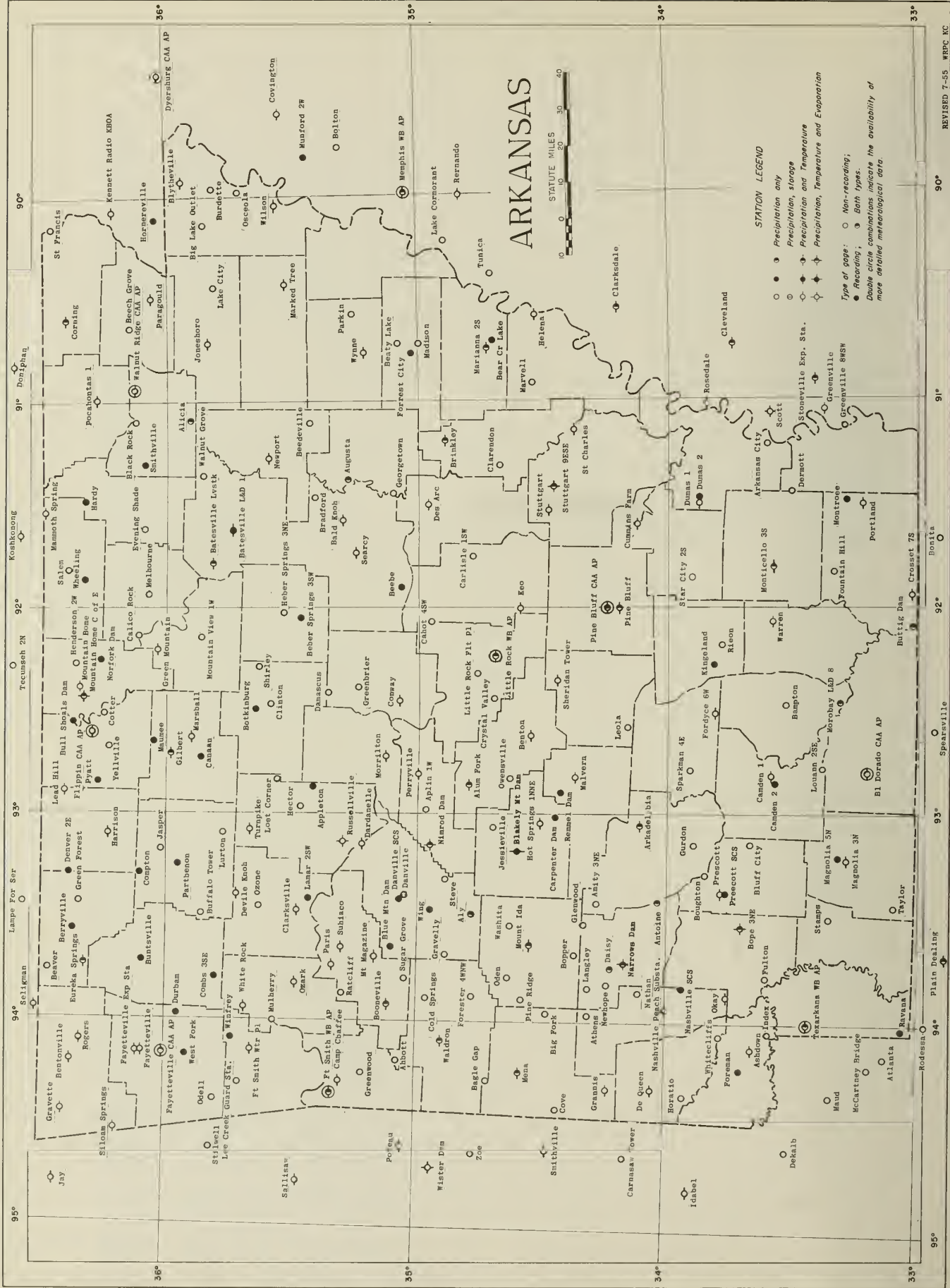
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTP EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

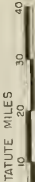
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered 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.
- AM Data based on observational day ending before noon.
- 8 Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, Asheville, N. C. -- 1-10-56 -- 1005



ARKANSAS



STATION LEGEND

- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording;
 ● Recording; ● Bath types.
 Double circle combinations indicate the availability of more detailed meteorological data.

551.05
UNAR
Vol. 60¹²

NAT HIST

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

THE LIBRARY OF THE
MAR 5 1956
UNIVERSITY OF ILLINOIS

MAR 8 1956

DECEMBER 1955
Volume LX No. 12



ASHEVILLE: 1956

NAT
HIST

ARKANSAS - DECEMBER 1955

WEATHER SUMMARY

December was quite cold and extremely dry. Temperatures averaged 41.1 degrees or 2.0 degrees below normal. Rainfall averaged 1.18 inches or 28% of normal. The only drier December of record was 1896 when the average precipitation for the month was 0.84 inch. The weather was favorable for outdoor work which consisted of the usual late fall activities.

A series of storms crossed Arkansas during December, producing some rather pronounced cyclic temperature characteristics. Each cycle included rising temperatures, a wind shift with the frontal passage, then plunging temperatures. December 1st was quite cold with daily mean temperatures near the freezing mark. By the 3d, temperatures were in the 70's before the first cold front passage. The 7th was seasonably mild but the second storm dropped the temperatures to below freezing by the 9th. Other fronts crossed the State on the 14th, 17th and 18th, 24th and 25th, and on the 29th. In general, below-normal temperatures prevailed except on the 3d, 7th, 18th, and 23d to 29th. The most severe weather followed the frontal passage on the 14th. Modified Arctic air poured into the State bringing the coldest temperatures of the month on the 15th and 16th. All stations registered their lowest minimums on the 16th. Minimums on that date ranged from 3 degrees at Batesville Livestock to 17 degrees at Helena, Pine Bluff, and Stuttgart. Unusually high maximums were registered over the entire State on the day before Christmas. Maximums on that date were mostly in the middle 70's and lower 80's. The temperature at Lead Hill reached 84 degrees on the 24th. A cold front on Christmas Eve started another downward temperature trend and the frontal passage on the 29th dropped the temperatures to below normal. The last two days were rather cool. Monthly mean temperatures ranged from 36.0 degrees at Batesville Livestock to 47.8 degrees at Crossett 7S. Monthly mean temperatures were below normal at almost all stations. In general the greatest departures were in the northern part of the State.

Practically all the precipitation for the month occurred during the first three days. Totals were mostly less than 0.50 inch along the northern edge of the State and at a few stations in the west central section. Southeastern Arkansas received more than 2.00 inches and a few stations in the extreme southeast received more than 3.00 inches. The greatest total, 4.35 inches, fell at Crossett 7S. Precipitation was below normal over the entire State. Deficiencies ranged from slightly more than an inch in the extreme southeast to more than 4.00 inches at Warren and El Dorado. Many stations lacked at least 3.00 inches of receiving their December normal amounts. Snow flurries were rather widespread over the State although numerous stations received no snow. Measurable amounts fell at a few locations in the extreme east central and over several counties in the northwestern part of Arkansas. The greatest amount 3.0 inches, fell at Odell.

Very little rain occurred during December after the 3d and the soil moisture was badly depleted by the end of the month. Streams were low. There were a few grass fires. Winter grains and cover crops made slow progress. Farm work continued through most of the month except during the cold weather on the 15th and 16th. Outside work included butchering, caring for livestock, clearing, cutting wood, fencing, gathering corn, cutting stalks, plowing, disking, fertilizing, pulling cotton, pruning orchards, and harvesting pecans. The pecan harvest was near completion by the middle of the month. Livestock continued in good condition through most of the month. At the end of December, their condition was fair.

Lucius W. Dye

SUPPLEMENTAL DATA

ARKANSAS
DECEMBER 1955

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	2:30A CST	6:30A CST	12:30P CST	6:30P CST	Trace	01-09	10-49	50-99	1.00-1.99	2.00 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
FORT SMITH WB AIRPORT	ENE	30	7.1	31	N	14	76	79	54	64	3	1	0	1	0	0	5	60	5.5
LITTLE ROCK WB AIRPORT	NNE	12	8.5	25	SW	24	72	76	56	60	5	2	0	2	0	0	9	49	5.9
TEXARKANA WB AIRPORT	-	-	-	-	-	-	-	-	-	-	5	2	0	0	1	0	8	-	-

COMPARATIVE DATA

DECEMBER

Year	Temperature			Precipitation		Year	Temperature			Precipitation		Year	Temperature			Precipitation	
	Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall		Average	Highest	Lowest	Average	Average snowfall
1891	46.9	72	13	4.69	-	1916	42.1	82	-16	3.35	4.5	1941	44.7	80	14	3.67	0.3
1892	40.9	83	-10	8.79	0.7	1917	34.8	81	-21	1.29	6.2	1942	42.7	80	16	4.87	0.6
1893	45.4	79	3	1.83	T	1918	47.6	88	9	5.62	0.2	1943	40.7	82	-5	3.43	0.7
1894	44.6	82	-11	3.48	1.3	1919	40.4	78	1	1.94	T	1944	38.0	76	4	7.86	0.4
1895	43.8	78	5	3.96	1.4	1920	43.2	74	6	5.95	0.4	1945	37.7	79	-12	2.25	2.1
1896	45.8	81	8	0.84	T	1921	47.1	82	11	2.78	T	1946	48.3	81	4	4.18	0.6
1897	40.3	81	10	6.00	2.2	1922	47.8	86	12	4.59	T	1947	44.2	78	10	4.22	0.2
1898	39.5	78	-4	1.87	2.9	1923	49.1	80	9	6.24	T	1948	44.3	83	8	4.03	T
1899	41.0	74	8	4.08	1.3	1924	41.4	86	-8	3.65	0.3	1949	44.9	85	-9	4.77	0.1
1900	44.9	82	10	2.76	T	1925	40.2	81	-6	1.71	0.3	1950	38.6	81	-8	1.25	1.3
1901	38.5	87	-6	4.42	1.3	1926	43.3	79	-3	7.15	2.1	1951	43.9	84	-1	3.76	T
1902	40.8	75	5	5.71	3.3	1927	40.9	84	-2	4.18	0.1	1952	42.7	80	12	3.66	T
1903	39.7	74	6	3.44	0.7	1928	43.4	87	10	4.41	T	1953	41.1	72	0	3.15	T
1904	42.9	80	3	5.10	0.6	1929	44.4	82	-5	3.84	2.7	1954	43.1	75	8	4.75	0.5
1905	38.5	69	7	4.96	1.4	1930	40.6	83	5	2.58	0.9	1955	41.1	84	3	1.18	0.1
1906	48.5	83	10	5.64	0.2	1931	48.7	78	17	7.79	T						
1907	44.4	85	11	2.70	0.7	1932	39.9	79	-5	7.86	3.6						
1908	48.0	82	11	1.50	0.2	1933	49.3	83	11	5.41	0.1						
1909	35.3	82	1	5.26	3.2	1934	41.5	74	4	3.78	0.2						
1910	40.8	75	9	3.57	0.8	1935	37.6	73	-4	2.95	2.8						
1911	43.0	78	3	7.00	1.0	1936	45.5	78	13	5.32	T						
1912	41.7	76	8	2.63	1.2	1937	42.2	78	0	4.61	0.1						
1913	43.6	77	14	3.26	2.3	1938	44.6	74	6	2.93	T						
1914	36.1	70	-11	6.26	4.3	1939	45.5	84	5	2.46	1.4						
1915	43.9	78	11	4.73	0.3	1940	46.7	77	14	3.90	T						

Beginning with 1955, averages have been weighted according to area and are not comparable with unweighted values published in this table for earlier years.

CLIMATOLOGICAL DATA

TABLE 2

Station	Temperature										Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Decrease Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail			No. of Days	
										90° or Above	32° or Below	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	18 or More	50 or More
HIGHLAND DIVISION																						
ALUM FORK	53.8M	30.3M	42.1M	-1.7	84	25	12	16	728	0	0	0	0	0.00	-3.82	0.00		0.0	0	0	0	0
ASHOOWN	57.1	33.2	45.2		82	24	10	16	611	0	0	15	0	1.57		1.57	1	0.0	0	0	1	1
BENTON	53.0	28.2	40.6	-1.4	80	24	8	16	749	0	0	21	0	2.13		0.95	2	T	0	0	4	1
BENTONVILLE	48.4M	25.1M	36.8M	-2.0	75	24	10	16	870	0	1	25	0	0.39	-2.07	0.37	1	0.5	0	0	0	0
BOONEVILLE	54.5	29.7	42.1		83	24	11	16	701	0	0	19	0	0.50		0.38	1	T	T	1	2	0
CAMP CHAFFEE	51.0M	24.5M	37.8M		81	25+	10	16	839	0	0	26	0	0.73		0.73	1	0.5	0	0	1	1
CLARKSVILLE	54.0	29.4	41.7		79	24	11	16	712	0	0	21	0	0.32		0.32	1	0.0	0	0	1	0
CONWAY	53.0	31.2	42.1	-0.9	80	24	13	16	700	0	0	17	0	1.37	-2.94	0.77	1	0.0	0	0	2	2
OAROANELLE	54.1	30.4	42.3	-0.5	81	24	15	16	702	0	0	21	0	0.93	-2.61	0.74	2	0.0	0	0	2	1
OE QUEEN	56.2M	29.9M	43.1M	-2.1	82	24	11	16	675	0	0	0	0	1.28	-2.61	1.28	1	T	0	0	1	1

CLIMATOLOGICAL DATA

ARKANSAS

DECEMBER 1955

TABLE 2 - CONTINUED

Station	Temperature															Precipitation																	
	Average Maximum	Average Minimum	Average	Temperature					No. of Days					Total	Departure From Normal	Greatest Day	Date	Snow, Sleet, Hail				No. of Days											
				Departure From Normal	Highest	Date	Lowest	Date	Degree Days	90° or Above	80° or 82° or Below	70° or Below	60° or Below					Max.	Min.	Total	Departure From Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	50 or More					
																													10 or More	50 or More			
DEVILS KNOB	47.1	28.4	37.8				72	24	11	16	837	0	3	22	0	0.52				0.30	2			1.0	1	1+	2	0	0				
EUREKA SPRINGS	51.2	28.0	39.6	- 0.5			80	24	10	16	780	0	0	21	0	0.37	- 2.61			0.37	1			T	T		1	1	0	0			
FAYETTEVILLE	49.6	28.8	39.2				75	24	10	16	793	0	1	23	0	0.50				0.48	1			0.4	0		1	1	0	0			
FAYETTEVILLE CAA AP	49.7	24.3	37.0				77	24	6	16	861	0	1	24	0	0.26				0.26	1			T	T	11	1	1	0	0			
FAYETTEVILLE EXP STA	51.2	25.8	38.5	- 1.6			75	24	6	16	813	0	0	26	0	0.54	- 2.24			0.51	1			0.2	T	T	1	1	1	0	0		
FLIPPIN CAA AP	49.1	24.9	37.0				79	24	8	16	861	0	1	26	0	0.37				0.23	1			T	T	1	1	1	0	0			
FORT SMITH WB AP	51.1	28.8	40.0	- 2.5			80	24	10	16	769	0	2	21	0	0.66	- 2.48			0.66	1			0.6	T	T	1	1	1	0	0		
FT SMITH WATER PLANT	53.3M	25.5	39.4M				77	24	6	16	786	0	0	25	0	0.68				0.68	1			T	T	1	1	1	0	0			
GILBERT	54.3	23.9	39.1	- 1.7			82	24	5	16	795	0	0	26	0	0.19	- 3.13			0.10	1			T	T	1	1	1	0	0			
GRANNIS	53.9	31.7M	42.8M				77	24	11	16	684	0	0	0	0	1.15				0.94	1			0.0	T	T	1	1	1	0	0		
GRAVETTE	49.6	24.5	37.1	- 1.4			77	24	4	16	859	0	1	26	0	0.42	- 1.96			0.42	1			T	T	1	1	1	0	0			
GREEN MOUNTAIN																																	
HARRISON	50.5	22.9	36.7	- 1.9			82	24	7	16	869	0	1	26	0	0.28	- 2.21			0.21	1			1.0			1	0	0	0			
HOPE 3 NE	55.0M	29.9M	42.5M	- 4.3			83	25	10	16	692	0	0	18	0	1.81	- 2.83			1.00	1			0.0			1	0	0	0			
HOT SPRINGS 1 NNE	54.0	34.4	44.2	- 0.2			79	24	16	16	842	0	0	14	0	1.12	- 3.51			0.85	1			T	T		1	1	0	0			
LEAO HILL	50.8	23.0	36.9	- 2.5			84	24	6	16	865	0	0	28	0																		
LITTLE ROCK WB AP	51.0	33.9	42.5	- 1.4			80	24	15	16	693	0	0	14	0	1.93	- 3.00			T	29			0.0	T	T	1	1	0	0			
MALVERN	55.1	30.9	43.0				81	24	11	16	676	0	0	20	0	1.60				1.08	1			T	T		1	1	0	0			
MAMMOTH SPRING	50.4	25.3M	37.9M	- 1.4			78	24	8	16	831	0	0	23	0	0.55	- 2.72			0.30	3.0			0.0	T	T	1	1	0	0			
MARSHALL	53.3	27.0M	40.2M	- 1.0			79	24	9	16	778	0	0	20	0	0.19	- 3.54			0.19	2			T	T		1	1	0	0			
MENA	51.9	32.1	42.0	- 0.8			75	24	13	16	706	0	1	19	0	0.94	- 3.05			0.62	1			0.0	T	T	2	2	1	0	0		
MORRILTON	52.9	31.0	42.0	- 1.6			79	24	20	16+	705	0	0	20	0	0.78	- 3.26			0.51	2			T	T		2	2	1	0	0		
MOUNT IOA	51.6M	25.2M	38.4M	- 4.6			79	25	7	16	816	0	0	26	0	0.83	- 3.50			0.51	1			0.0	T	T	2	2	1	0	0		
MOUNT MAGAZINE	45.4	28.7	37.1				72	24	10	9	859	0	5	21	0	0.43				0.43	1			1	1		1	1	0	0			
MOUNTAIN HOME	49.9	27.5	38.7	- 1.2			78	24	9	16	805	0	1	23	0	0.37	- 3.37			0.17	1			T	T		1	1	0	0			
MOUNTAIN HOME C OF ENG	48.5	24.0	36.3				79	25	9	16+	883	0	1	27	0	0.30				0.11	1			T	T	1+	1	1	0	0			
NARROWS OAM	54.5	29.2	41.9				81	25	10	16+	709	0	0	19	0	1.32				0.90	1			0.0	T	T	2	2	1	0	0		
NASHVILLE PEACH SUBSTA	53.3	30.3	41.8				80	25	10	16	712	0	0	18	0	1.46				1.12	1			T	T	1	2	1	1	0	0		
NIMROO OAM	52.0M	25.4M	38.7M				8	16	8	16	806	0	0	25	0	1.04				0.62	2			0.0	T	T	2	2	1	1	0	0	
OKAY	58.3	33.5	45.9	- 0.7			83	24	11	16	593	0	0	14	0	1.70	- 3.45			1.98	1			0.0	T	T	1	1	1	0	0		
OZARK	52.9	28.2	40.6	- 1.2			81	24	10	16	749	0	0	24	0	0.58	- 2.82			0.39	1			T	T		2	2	0	0	0		
PARIS	53.9	28.6	41.3				83	24	12	16	728	0	0	23	0	0.63				0.63	1			T	T	10	1	1	0	0	0		
PERRYVILLE	54.3M	28.5M	41.4M	- 0.4			13	16	7	33	0	0	0	0	0.65	- 3.33			0.62	1			0.0	T	T		1	1	0	0			
ROGERS	50.7	26.9	38.8	- 0.4			78	24	9	16	806	0	0	23	0	0.40	- 2.04			0.40	1			0.5	T	T	1	1	0	0	0		
RUSSELLVILLE	53.7	29.4	41.6	- 0.2			81	24	12	16	717	0	0	22	0	0.66	- 2.69			0.57	1			0.0	T	T	1	1	1	0	0		
SHERIDAN TOWER							78	24																									
SILGAM SPRINGS	48.6	23.6	36.1				77	25	7	16	887	0	1	25	0	0.39				0.38	1			0.4	T	T	1+	1	0	0	0		
SUBIACO	53.2M	29.9M	41.6M	- 1.4			82	24	12	16	742	0	0	18	0	0.55	- 2.88			0.55	1			T	T	10	1	1	0	0	0		
TEXARKANA WB AP	55.5	35.9	45.7	- 2.3			83	24	15	16	600	0	0	13	0	1.75	- 3.09			1.71	1			T	T		1	1	1	0	0		
TURNPIKE	45.3M	27.6M	36.5M				70	24	12	16	875	0	3	22	0	0.72	- 3.49			0.53	1			T	T	1	2	1	0	0	0		
WALORON	55.3	26.0	40.7				82	24	7	16	759	0	0	24	0	0.32	- 3.28			0.32	1			0.0	T	T	1	0	0	0	0		
WHITE ROCK	46.5	29.3	37.9				70	24	11	9+	833	0	4	21	0	0.72				0.72	1			2.5	2	1	1	1	1	0	0		
OIVISION			40.2	- 2.1												0.77	- 2.99							0.2									
DELTA OIVISION																																	
ARKAOLPHIA	55.1	32.3	43.7	- 0.8			79	24	13	16	653	0	0	15	0	1.80	- 3.24			0.75	2			0.0			4	2	0	0	0		
BALO KNOB	51.9	28.6	40.3				75	24	10	16	760	0	0	20	0	1.21				0.61	1			0.0	T	T		2	2	0	0	0	
BATESVILLE LIVESTOCK	50.1	21.9	36.0				76	4+	3	16	890	0	1	27	0	0.44				0.44	2			T	T	1	2	0	0	0	0		
BATESVILLE L AND O NO 1	52.3	26.8	39.6				76	24	9	16	782	0	0	23	0	0.65	- 3.31			0.44	2			0.0	T	T		2	0	0	0	0	
BLYTHEVILLE	50.4	28.5	39.5	- 2.4			74	24	11	16	783	0	0	21	0	1.49	- 2.82			0.75	4			T	T		2	2	0	0	0		
BRINKLEY	53.1	29.0M	41.1M	- 2.7			78	24	10	16	736	0	0	20	0	0.65	- 4.46			0.65	1			T	T		1	1	0	0	0		
CAMDEN 1	55.7	30.9M	43.3M	- 2.0			83	25	12	16	666	0	0	19	0	1.95	- 3.05			1.15	2			0.0	T	T	3	3	1	1	0	0	
CORNING	47.6M	25.7M	36.7M	- 3.2			72	25	11	16	877	0	3	25	0	0.60	- 3.09			0.44	3			0.0	T	T	2	0	0	0	0	0	
CROSSETT 7 S	59.3	36.3	47.8	1.2			81	24	12	16	538	0	0	16	0	4.35	- 1.14			2.26	3			0.0	T	T	3	2	2	0	0	0	
CUMMINS FARM	54.2	34.9	44.6				81	24	16	16	632	0	0	14	0	0.74				0.43	3			0.0	T	T	2	0	0	0	0	0	
OES ARC	51.5	26.8M	39.2M				79	25	14	16+	792	0	1	26	0	1.22				0.66	2			T	T		3	1	0	0	0		
OUMAS 1	55.4	33.9	44.7	- 1.6			82	24	15	16	628	0	0	16	0	2.37	- 3.67			1.14	1			0.0	T	T		3	2	1	0	0	
EL OORAOO CAA AP	56.5	34.4	45.5	- 1.5			82	24	12	16	607	0	0	18	0	1.91	- 4.55			1.43	1			T	T		3	1	1</				

DAILY PRECIPITATION

ARKANSAS
DECEMBER 1955

Table 3-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			
MARKED TREE	1.79	T	.55	.12	.90				T	T										.02													.20		
MARSHALL	.19		.19												T																				
MARVELL	.47		.39		.08																														
MELBOURNE	.94	.62	.32	T											T	T																			
MENA																																			
MONTICELLO 3 S	2.51	1.30	.09	.50	.51															.02	.09	.30													
MOROBAY L AND O NO 8	2.54	.40	1.05	.09	.68																														
MORRILTON	.78	.25	.51	T																													.02		
MOUNT IDA	.83	.51	.31	.01																															
MOUNT MAGAZINE	.43	.43																																	
MOUNTAIN HOME	.17	.17							T																										
MOUNTAIN HOME C OF ENG	.30	.11	.09	T						.04																								.06	
MOUNTAIN VIEW I W	.42	.07	.23	.12																															
MULBERRY 6 NNE	.80	.80	T																																
NARROWS DAM	1.32	.90	.31	.03	.08																														
NASHVILLE PEACH SUBSTA	1.46	1.12	.25	.09																															
NATHAN 4 NW	.73	.73																																	
NEWHOPE 3 E	1.46	1.46																																	
NEWPORT	1.24	.24	.46	T	.34																												.08	.08	
NIMROD DAM	1.04	.36	.62	.06																															
OCELL	.70	.60																																	
OGEN	1.07	.62	.47	.08	.10																														
OKAY	1.70	1.58	.06	.06																															
OSCEOLA	1.18	T	.56	.50																															
OWENSVILLE	1.83	.46	.38	.21	.77	T																													
OZARK	.58	.39	.18																																
OZONE	.53	.25	.28																																
PARAGGULO	.78	.26	.12	.27																															
PARIS	.63	.63	T																																
PARKIN	1.19	T	.65	.09	.09																														
PERRYVILLE	.65	.62																																	
PINE BLUFF	2.23	.32	1.03	.10	.27																														
PINE BLUFF CAA AP	2.70	1.30	.02	.72																															
PINE RIDGE	1.12	.64	.26	.22																															
POCAHONTAS I	.47		.40	.02																															
PORTLAND	2.80	2.00		.70																															
PRESCOTT	2.03	1.06	.65	.13	.19																														
RATCLIFF	.56	.56		T																															
RISON	2.46	.37	1.09	.07	.60																														
ROGERS	.40	.40																																	
RUSSELLVILLE	.66	.57	.09	T																															
SAINT CHARLES	2.38	.16	.77	T	.65																														
SAINT FRANCIS	.41	.21		.09																															
SALEM																																			
SEARCY	1.15	.15	.64	.05	.22																														
SHERIDAN TOWER																																			
SHIRLEY	.38	.04		.34																															
SILGAM SPRINGS	.39	.38	.01	T																															
SPARKMAN 4 E	1.69		1.10	.49																															
STAMPS	1.85	1.07	.53	.25																															
STAR CITY 2 S	2.25	.30	.98	.16	.56																														
STEVE	.00																																		
STUTTGART	1.48	.20	.04	.95	.12																														
STUTTGART 9 ESE	2.05	.15	.86	.15	.33																														
SUBIACO	.55	.55																																	
SUGAR GROVE	.40	.40		T																															
TAYLOR	2.00	.78	.76	.46																															
TEXARKANA W8 AP	1.75	1.71	.02	.02																															
TURNPIKE	.72	.53	.19																																
VALORON	.32	.32	T																																
WALNUT GROVE	.79	.35	.05	.28																															
WALNUT RIDGE CAA AP	.79	.41	.05	.18																															
WARREN	1.51	1.41	.04	.06																															
WASHITA	.90	.90	T																																
WHITE ROCK	.72	.65	.05	T																															
WHITECLIFFS	1.59	1.30	.20	.09																															
WILSON	1.23		1.23																																
WYNNE	1.34	.60	.44																																
YELLVILLE	.38	.38																																	

DAILY TEMPERATURES

Table 5

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	
ALUM FORK	MAX	36	47	74	71	50	50	61	57	40	40	42	50	52	41	39	49	57	57	39	42	48	67	77	64	65	50	66	64	61	51	54	53.8
	MIN	29	31	43	37	33	29	33	36	20	21	21	18	26	33	24	12	21	21	27	20	32	36			51	46	33	36	50	34	25	30.3
ARKADELPHIA	MAX	41	57	75	73	53	54	59	57	43	43	43	53	47	43	41	53	61	56	41	40	50	72	79	74	65	50	66	64	61	51	55.1	
	MIN	31	34	47	35	34	32	36	29	24	24	32	19	20	34	26	13	22	28	33	29	34	37	33	52	48	32	36	34	50	41	20	32.3
ASHDOWN	MAX	39	64	76	69	55	56	63	52	46	36	41	44	53	54	46	42	55	65	58	47	44	55	76	82	76	63	65	68	60	60	53	57.1
	MIN	32	35	57	26	38	27	33	31	22	23	32	16	28	26	26	10	22	34	35	35	38	38	35	38	44	45	45	45	45	38	18	33.2
BALD KNOB	MAX	34	55	73	70	52	52	61	53	38	37	36	42	52	46	39	36	48	49	44	40	41	47	65	75	72	58	52	66	63	62	52	51.9
	MIN	24	33	39	29	30	23	33	30	21	22	27	25	18	23	21	10	17	36	26	24	23	21	33	42	45	42	34	38	47	32	19	28.6
BATESVILLE LIVESTOCK	MAX	37	40	60	76	54	48	51	64	41	39	36	37	42	51	39	32	37	54	45	40	40	41	50	63	76	63	56	55	65	61	61	50.1
	MIN	12	25	37	30	21	16	16	26	19	19	21	19	16	22	17	3	4	23	20	17	15	20	28	35	42	35	25	25	30	20	17	21.9
BATESVILLE L AND D NO 1	MAX	38	56	75	75	51	50	62	52	38	37	37	42	51	49	40	36	50	47	44	40	41	47	62	76	73	56	53	65	62	59	54	52.3
	MIN	23	33	38	29	23	19	33	26	23	25	26	22	18	24	23	9	19	27	23	20	19	19	34	40	47	41	36	26	31	50	30	18
BENTON	MAX	35	51	76	67	49	53	62	50	40	36	37	43	54	44	41	41	51	58	49	38	41	50	72	80	69	59	52	67	62	60	55	53.0
	MIN	29	32	38	29	26	26	26	28	19	20	20	17	16	27	27	8	16	35	28	21	33	35	30	47	39	40	32	36	46	34	15	28.2
BENTONVILLE	MAX	35	61	68	44	37	50	57	36	34	37	38	40	52	39	29	37	54	53	38	41	47	52	67	75	64	54	56	63	55	38	19	48.4
	MIN	27	33	44	20	26	16	26	25	11	25	25	14	22	29	13	10	21	15	19	22	22	27	35	41	40	36	27	31	31	19		25.1
BLYTHEVILLE	MAX	35	62	68	65	45	50	60	51	36	33	35	40	51	50	41	36	50	52	43	38	40	45	60	74	62	55	55	62	61	57	50	50.4
	MIN	24	33	50	35	28	24	37	31	22	37	31	21	20	25	21	11	23	37	21	19	19	22	39	46	42	31	28	35	46	29	24	28.5
BOONEVILLE	MAX	39	63	77	59	45	57	62	46	42	36	38	44	57	47	44	45	57	60	46	39	47	59	72	83	70	63	57	68	62	50	55	54.5
	MIN	30	34	42	27	28	24	36	32	17	25	31	14	28	34	23	11	24	23	26	28	35	23	37	48	40	43	34	39	38	31	16	29.7
BRINKLEY	MAX	35	64	70	66	51	52	59	57	38	36	35	43	51	48	43	37	45	54	47	40	40	48	70	78	74	57	56	65	69	65	52	53.1
	MIN	22	33	52	35	30	24	37	26	22	17	27	24	17	24	23	10	20	37	25	22	23	19	39	49	45	31	39	49	32	17		29.0
CAMDEN 1	MAX	48	46	67	74	60	50	58	63	55	44	39	41	47	56	58	42	43	51	64	52	43	40	57	76	83	71	60	53	67	68	51	55.7
	MIN	24	33	45	39	33	31	31	31	24	20	26	18	19	21	19	12	13	29	36	30	32	30	29	52	53	53	46	38	43	19		30.9
CAMP CHAFFEE	MAX	38	35		26	27	43	55	60	43	42	34	36	44	57	49	33	43	58	55	45	37	45	55	64	81	81	60	57	67	58	50	51.0
	MIN	20	31					22	30	16	19	30	14	17	26	22	10	15	19	20	28	29	21	30	34	36	36	26	31	36	30	16	24.5
CLARKSVILLE	MAX	35	51	77	61	49	50	60	51	48	36	38	42	50	45	44	40	51	57	45	45	47	50	64	79	74	67	69	75	63	60	51	54.0
	MIN	28	32	45	25	28	25	36	30	18	28	31	17	27	35	23	11	22	23	28	27	24	23	33	44	43	44	27	35	50	33	17	29.4
CONWAY	MAX	35	52	77	70	48	52	61	50	40	37	37	44	53	45	40	40	50	55	46	36	43	49	67	80	72	62	57	67	63	60	53	53.0
	MIN	30	33	42	35	29	26	35	33	21	35	33	21	24	31	22	13	22	33	29	21	34	26	36	48	44	47	30	40	50	34	22	31.2
CORNING	MAX	40	30	61	70		41	47	58	42		34	36	40	52	41	32	32	48	47	32	38	44	46	61	72	59	52	53	60			47.6
	MIN	19	30	32	30	25	22	26	27	22	23	21	24	21	21	21	11	15	27	21	19	19	24	34	38	46	36	32	34	29	21		25.7
CROSSETT 7 S	MAX	43	70	74	66	54	60	65	62	52	39	43	49	55	65	60	42	54	62	59	48	47	57	78	81	77	69	56	68	66	64	52	59.3
	MIN	30	41	62	45	35	29	32	32	25	20	27	29	20	28	27	12	26	52	37	29	38	31	45	64	58	54	46	41	47	41	19	36.3
CUMMINS FARM	MAX	39	67	72	65	54	55	63	55	42	36	37	43	45	58	44	38	43	47	47	42	40	53	75	81	76	58	53	64	70	64	53	54.2
	MIN	31	38	59	41	34	31	39	33	24	22	31	26	21	32	31	16	26	41	31	25	34	37	40	52	50	46	41	44	48	36	23	34.9
DARDANELLE	MAX	35	55	80	70	48	53	63	54	42	37	37	45	56	45	43	41	56	59	47	36	45	51	67	81	70	64	55	66	63	59	53	54.1
	MIN	30	32	44	34	32	25	33	34	20	27	31	19	21	30	25	15	20	28	27	25	31	25	32	40	42	50	29	36	49	35	21	30.4
DE QUEEN	MAX	42	58	76	62	54	56	63	51	46	37	42	47	56	56	42	48	58	65	57	45	46	52	72	82	78		65	59	57	58	56.2	
	MIN	31	34	48	29	34	26	35	29	22	25	32	15	15	27	21	11	20	29	34	35	36	32	34	44	40		32	46	34	17	29.9	
DES ARC	MAX	38	47	66	72	57	48	53	59	52	39	32	37	43	53	47	34	38	46	53	38	41	42	52	69	79	62	67	55	65	67	47	51.5
	MIN	19	28	42	31	27	23	24	29		18	22	22	20	22	20	14	14	23	23	21	22	21	32	43	45	41	30	30	47	31	20	26.8
DEVILS KNOB	MAX	28	43	67	58	41	43	60	50	35	29	34	37	44	49	33	31	45	54	50	34	43	43	58	72	68	57	51	57	54	52	49	47.1
	MIN	21	26	40	28	27	26	35	26	12	21	23	22	25	21	13	11	25	34	19	21	27	30	38	51	45	42	29	39	50	22	22	28.4
DUMAS 1	MAX	42	69	68	63	50	50	64	50	58	36	40	45	55	64	48	41	44	54	47	42	40	55	77	82	71	57	56	66	72	60	52	55.4
	MIN	29	36	40	39	33	30	39	30	25	21	31	21	21	28	28	15	27	42	30	25	32	38	44	57	55	47	42	42	43	24	19	33.9
EL DORADO CAA AP	MAX	41	69	72	66	48	60	65	56	42	39	39	47	56	58	43	44	60	61	51	44	44	57	76	82	73	58	55	67	66	56	53	56.5
	MIN	32	40	60	42	35	31	36	32	23	23	26	21	20	27	28	12	26	47	31	31	32	29	46	61	57	48	36	33	49	29	22	34.4
EUREKA SPRINGS	MAX	34	64	72	58	38	51	61	51	35	35	40	42	53	45	33																	

Table 5 - Continued

DAILY TEMPERATURES

ARKANSAS
DECEMBER 1955

Table with columns for Station, Day Of Month (1-31), MAX, MIN, and Average. Rows list various stations such as HOT SPRINGS 1 NNE, JONESBORO, KEO, etc., with corresponding temperature data for each day.

DAILY TEMPERATURES

ARKANSAS
DECEMBER 1955

Table 5 - 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	
STUTT GART 9 ESE	MAX	40	48	65	68	55	47	53	59	52	49	32	37	43	51	54	37	38	45	54	40	42	41	51	72	78	64	59	57	63	68	47
	MIN	25	32	48	38	35	31	34	35	24	23	26	24	23	29	26	16	21	31	29	25	27	28	26	50	47	46	37	37	49	35	23
SUBIACO	MAX	35	55	76	67	46	54	60	53	40	38	38	44	55	48	43	43	55	60	57	37	46	49	64	81	63	56	68	61	53	51	
	MIN	29	32	41	32	33	25	34	37	18	27	30	18	23	33	21	12	21	28	21	25	30	25	35	43	46	33	37	50	33	25	
TEXARKANA WB AP	MAX	41	65	78	60	49	58	63	52	44	38	41	46	55	51	43	43	57	67	47	44	46	56	77	83	65	61	56	67	62	53	
	MIN	32	40	51	38	37	32	40	28	24	28	27	20	25	37	22	15	27	43	37	36	40	39	51	62	53	50	37	36	50	31	
TURNPIKE	MAX	30			42	43	57	49	35	33	33	37	44	47	32	30	45	54	45	36	44	40		70	65		53	57	57	54	46	
	MIN	24			27	27	36	28	14	21	23	20	26	32	17	12	26	33	19	20	27	29		44	46		29	40	50	23	25	
WALORON	MAX	37	60	76	65	45	56	63	50	41	37	37	44	56	51	46	42	59	62	54	42	48	57	66	82	77	67	59	65	59	53	
	MIN	29	28	40	24	26	22	33	28	15	20	29	12	20	25	21	7	17	19	22	23	32	21	33	40	36	43	25	29	46	29	
WALNUT RIOGE CAA AP	MAX	36	58	72	54	44	47	58	42	37	35	34	41	50	40	32	33	48	47	35	38	40	45	58	72	59	52	53	64	60	45	
	MIN	26	36	50	33	28	25	36	27	23	25	23	26	21	29	18	14	24	31	23	19	21	24	35	40	41	35	30	38	40	25	
WARREN	MAX	40	67	67	64	58	56	62	58	41	37	40	45	53	62	50	42	45	62	58	45	43	62	78	82	74	58	62	67	69	67	
	MIN	31	39	39	42	34	31	37	33	23	23	31	22	23	28	27	15	28	43	31	27	36	37	48	58	57	48	43	45	43	48	
WHITE ROCK	MAX	29	52	64	47	40	42	60	48	36	29	30	35	44	42	30	34	45	51	47	33	44	44	59	70	68	61	52	60	52	51	
	MIN	21	28	41	27	27	28	36	27	11	21	23	21	25	30	13	11	25	36	23	22	27	32	37	51	53	42	34	39	48	24	
WILSON	MAX	39	62	68	65			60	51	36	33	37	40	52	56	40	42	49	52	43	38	40	45	60	74	62	55	55	62	61	57	
	MIN	31	33	51	38	28	27	28	31	22	22	19	21	22	30	22	12	23	32	21	19	19	22	39	42	42	31	28	35	45	29	
WYNNE	MAX	35	63	70	62	45	51	59	47	35	35	36	41	51	50	38	36	49	58	38	38	41	47	64	77	69	54	56	63	66	60	
	MIN	23	34	50	30	30	23	35	30	23	18	26	25	23	30	22	10	27	30	24	20	19	20	44	51	48	43	32	45	48	31	

EVAPORATION AND WIND

Table 6

Station		Day of month																														Total for 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	
BLAKELY MOUNTAIN DAM	EVAP	-	.08	-	.14	.10	.05	.07	.06	*	*	*	*	.30	*	*	*	.15	.04	*	*	.11	.00	.00	*	*	.16	.06	.10	.10	-	
	WIND	62	47	18	84	51	32	36	40	174	47	65	35	17	34	80	98	62	33	30	60	28	25	36	26	*	*	136	41	35	72	60
HOPE 3 NE	EVAP	-	.04	.02	.16	.15	.01	.10	.06	*	*	*	*	.32	*	*	*	.14	.08	.14	.05	.01	*	.05	.11	*	.13	*	.10	.02	-	
	WIND	49	10	42	21	22	21	7	9	60	22	*	59	12	10	32	*	*	56	51	46	34	20	*	76	15	*	80	19	6	7	22
NARROWS DAM	EVAP	-	.12	.00	.10	.08	.12	.06	.06	-	-	-	*	.13	*	*	*	.21	.09	.06	.01	.02	.03	.08	.06	.06	.09	.03	.03	.02	-	
	WIND	32	17	36	51	44	23	27	25	76	25	33	17	20	33	39	54	46	42	45	31	25	23	34	34	53	39	36	27	29	34	35
RUSSELLVILLE	EVAP	-	-	.01	.15	.04	.07	.06	.05	*	*	*	.18	.02	.01	*	*	*	.13	.02	*	.04	.03	.02	.01	.06	.14	.05	.05	.02	.05	.06
	WIND	28	20	30	52	10	10	12	36	18	28	15	6	7	2	32	13	12	8	15	3	4	5	5	7	34	4	*	8	3	31	3
STUTT GART 9 ESE	EVAP	-	-	.00	.18	*	.07	.07	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.32	.09	.07	.03	.09	.09	.05	.08	.05	-
	WIND	38	53	108	104	29	18	31	30	70	26	41	33	15	32	37	33	73	38	38	48	12	10	75	90	47	68	55	23	78	49	16

DAILY PRECIPITATION

ARKANSAS
DELAYED DATA

Table 3

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						
DECEMBER 1954 PINE RIDGE	3.43	.03										T 1.81	.12						T													.33	.59	.53	.02			
MARCH 1955 MELBOURNE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.92	.15	.20	1.65	.21															
APRIL 1955 MELBOURNE	5.96	* 1.02		.40	.83	.22					.37	1.07	.18																									
MAY 1955 MELBOURNE	5.95							.33			1.60	.45																					.60	.30				
JUNE 1955 COTTER	8.03				1.51	.34					T .20	.14	1.01	.55																								
MELBOURNE	5.66				.03	.79	.80				.37	.10	2.02	.45																								
AUGUST 1955 COTTER	.86			T	T			T	T																												.15	
OCTOBER 1955 COTTER	1.88				.04	116	T	.25						.03																							.31	1.05
FOUNTAIN HILL	.74					.90	.74																															
GREEN FOREST	2.52	.45			.10	.12	.30																														.05	1.50
OZONE																																						

STATION INDEX

ARKANSAS
DECEMBER 1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables	Station	County	Drainage	Latitude	Longitude	Elevation	Observation time		Observer	Refer to tables
							Temp.	Precip.									Temp.	Precip.		
Abbott	0006	Scott	1 35 04	94 12 624							Lorton	4386	Newton	7 35 46	93 05	2007			SA Lola I. Dollar	3
Alicia	0004	Lawrence	7 35 54	91 05 256							Madison	4528	St. Francis	5 35 00	90 43	215			SA Loven R. Jones	3
Alum Fork	0130	Alum	3 34 47	92 52 753				5P	7A Ruby B. Owens	3	Magcola 3 N	4548	Columbia	4 33 19	94 14	315			7A Earl E. Graham	2 3 5
Aly	0136	Yell	3 34 47	93 29 854					7A Gurr B. Swain	3	Magcola 3 N	4550	Columbia	4 33 20	92 13	315			MID Ark. Pwr & Lgt. Co.	2 3 5
Asty 3 NE	0150	Clark	3 34 17	93 25					7A Mrs. Alta F. Garner	3	Malvern	4562	Rot Spring	3 34 23	92 49	311			SA Malvern Fire Dept.	2 3 5
Antoine	0178	Pike	3 34 02	93 25 285					8A Drew A. Lamb	3	Manott Spring	4572	Fulton	7 36 29	91 32	690			SA John H. Hotes	2 3 5
Aplin 1 W	0188	Perry	3 34 58	93 06 400					7A Hobart Watts	3	Marionna 2 S	4638	Lee	5 34 44	90 45	234			SP Univ. of Arkansas	2 3 5
Appleton	0196	Pope	3 35 25	92 53 522					7A John A. Tames	3	Marked Tree	4654	Polk	5 35 32	90 25	229			SA William W. Crick	2 3 5
Arkadelphia	0220	Clark	3 34 07	93 03 200					6P Billman E. Lawrence	2 3 5	Marshall	4668	Searcy	7 35 54	92 38	1050			SA Sterlin Wallace	2 3 5
Arkansas City	0234	Desha	3 35 37	91 12 145					8A John W. Trammell	3	Marvell	4678	Phillips	7 34 33	90 55	195				
Ashdown	0286	Little River	4 33 40	94 08 329							Maumee	4696	Searcy	7 36 03	92 39	749			MID Verne N. Davensport	3
Athens	0300	Howard	7 35 17	91 22 218					7P Southwestern G & E	2 3 5	Welbourne	4746	Isard	7 36 04	91 54	610			7A Iva L. Sbrader	3
Augusta	0326	Woodruff	7 35 18	91 22 218					7A Arta D. Parker	3	Wenona	4756	Polk	5 34 35	94 02	285			7A E. W. St. John	2 3 5
Bald Knob	0350	White	7 35 18	91 34 230					7A David G. Griffiths	3	Monticello 3 S	4900	Drew	3 33 35	91 29	125			7A Mrs. P. H. Hinton	2 3 5
Batesville Livestock	0482	Independence	7 35 45	91 47 371					9A Univ. of Arkansas	2 3 5	Monticello	4906	Ashley	3 33 19	91 29	125			MID Ark. Pwr & Lgt. Co.	2 3 5
Batesville L & D 1	0460	Independence	7 35 45	91 38 277					7A James J. Mitchum	2 3 5	Morabay Lock & Dam	4934	Calboun	3 33 19	92 27	85			7A Corps of Engineers	3
Beary Creek Lake	0496	Lee	7 35 05	90 43 400					7A L. S. Foster Service	3	Nashville	4938	Conway	3 35 07	92 45	280			SA Emma S. Leavelle	2 3 5
Beary Lake	0512	St. Francis	5 35 05	90 43 400					SP L. G. Adanson	3	Mountain View 1 W	5046	Stone	1 35 36	94 12	730			7A Edna J. Westfall	3
Beaver	0518	Carroll	7 35 42	94 13 293					7A B. E. Skelton	3	Mountain Magazine	5010	Logan	1 35 10	93 41	2800			7P W. H. Forest Service	2 3 5
Beche	0530	White	7 35 04	91 53 250					MID Lowell E. Perkins	3	Mountain Home	5036	Baxter	7 36 20	92 23	800			7P Charles Shiras	2 3 5
Bech Grove	0534	Greene	7 36 09	90 38 298					8A B. D. Bland	3	Mountain Home C. of E.	5038	Baxter	7 36 20	92 23	800			8A Corps of Engineers	2 3 5
Beedsville	0538	Jackson	7 35 26	91 06 221					8A P. M. Beckringard	3	Morristown	5046	Conway	7 35 52	92 08	768			7A Mildred E. Ward	3
Benton	0582	Saline	3 34 33	92 37 285					8A Mrs. Etta C. Burks	2 3 5	Morrisville	5056	Crawford	5 35 08	94 12	730			7A Frank R. Edwards	11/10/54
Bentonville	0586	Benton	3 35 22	94 13 371					7A Earle L. Browne	2 3 5	Mt Vernon	5072	Franklin	1 35 34	94 01	500			7A Henry G. Arvin	3
Berryville	0616	Carroll	7 36 26	93 37 1150					7A David L. Stidham	3	Newport	5110	Pike	3 34 10	93 43	425			8A Corps of Engineers	2 3 5
Big Flat	0662	Baxter	7 36 09	92 24 1250					7A CLOSED - - - -	1/1/55	Nashville Peach Substa.	5112	Howard	4 34 00	93 56	550			7A Univ. of Arkansas	2 3 5
Big Fork	0664	Polk	3 34 29	93 58 1100					7A Anna M. Liles	3	Nashville SC	5114	Howard	7 36 15	92 15	373			MID Soil Cons. Service	3
Big Lake Outlet	0676	Mississippi	5 35 51	90 08 238					6P N. W. Douglas	3	Nathan 4 WNW	5158	Howard	3 34 07	93 52	550			7A Edna J. Westfall	3
Black Rock	0748	Lawrence	3 34 54	91 06 253					7A Lee W. McConney	3	Nevada 3 E	5174	Pike	3 34 14	93 50	850			7A Elsie F. Word	3
Blackly Mountain Dam	0764	Garland	3 34 36	93 11 426					8A Corps of Engineers	3	Newport	5186	Jackson	7 35 36	91 57	225			7A Luther D. Summers Jr.	2 3 5
Blue Mountain Dam	0798	Yell	1 35 06	93 39 455					MID Corps of Engineers	3	Ninrod Dam	5200	Perry	1 34 57	93 10	470			8A Corps of Engineers	2 3 5
Bluff City	0800	Nevada	3 33 41	93 09 360					7A Paul M. Adams	3	Norfolk Dam	5228	Baxter	7 36 15	92 15	421			8A Corps of Engineers	3
Bluffville	0866	Mississippi	3 34 33	93 55 252					7P L. V. W. Crawford	2 3 5	Ogden	5358	Washington	1 35 48	94 24	1500			7A Mrs. Renzo Hurst	3
Booneville	0830	Logan	1 35 09	93 55 511					7A Cleo E. Vandell	2 3 5	Okay	5376	Montgomery	3 34 35	93 45	800			7A Vera J. Gann	3
Botkinsburg	0842	Van Buren	7 35 39	92 30 1200					MID Thomas W. Pearson	3	Osceola	5480	Mississippi	2 35 43	89 58	250			SA J. T. Hargis	2 3 5
Boughton	0848	Nevada	3 33 52	93 20 235					7A Iris Elmore Wicker	3	Overville	5498	Saline	1 34 37	92 49	500			8A Alvera A. Cowan	3
Bradford	0872	White	7 35 25	91 26 240					7A Marshall Bickson	2 3 5	Ozark	5508	Franklin	1 35 29	93 50	398			6A Burns Wakefield	2 3 5
Briarley	0938	Monroe	7 35 07	91 19 205					SP Robert D. Schaefer	3	Paris	5576	Logan	1 35 18	93 45	275			4P Radio Station KDRS	2 3 5
Bull Fowler Tower	1010	Newton	7 35 52	93 30 455					7A Reulah P. Fowler	3	Parke	5586	Cross	5 35 16	90 35	222			7A Corine D. Gardner	3
Bull Shoals Dam	1020	Baxter	7 36 22	92 34 460					MID Corps of Engineers	3	Parthenon	5602	Nevada	1 35 57	93 15	925			MID Arthur H. Carlton	3
Burdette	1032	Mississippi	2 35 49	89 57 240					SP G. A. Bale	3	Perkins	5602	Nevada	1 35 57	93 15	925			MID Francis Pinkerton	2 3 5
Cabot 4 SW	1102	Pulaski	7 34 57	92 04 289					7A Anita D. Barritt	2 3 5	Perryville	5694	Jerry	1 35 00	92 49	325			7A Francis Pinkerton	2 3 5
Calico Rock	1132	Ouachita	3 33 36	92 49 116					7A John W. Knight	2 3 5	Pine Bluff	5734	Jefferson	1 34 23	92 09	215			7A H. P. Scheu	2 3 5
Canden 1	1154	Ouachita	3 33 35	92 51 155					MID Edith Z. Lehman	3	Pine Bluff CAA AP	5756	Jefferson	1 34 10	91 56	205			MID U.S. Civil Aero Adm.	2 3 5
Canden 2	1172	Sebastian	1 35 18	94 18 419					8A U. S. Army	2 3 5	Pine Ridge	5760	Montgomery	3 34 35	93 54	840			7A J. R. Huddleston	3
Camp Chaffee	1188	Searcy	3 34 52	92 44 289					MID Froydel Dell Barton	3	Pocahontas 1	5820	Randolph	7 36 16	90 30	330			7A Benedictine Sisters	2 3 5
Carroll 1 SW	1224	Lonoke	1 34 47	91 45 235					7A John L. Tall	3	Portland	5865	Abiley	3 33 14	91 30	122			7A Mrs. Pearl Newton	2 3 5
Carroll 2 NE	1238	Garland	3 34 37	93 01					MID Ark. Pwr & Sct. Co.	3	Prescott	5908	Nevada	4 33 46	93 53	300			MID Ark. Pwr & Lgt. Co.	2 3 5
Carpenter Dam	1442	Monroe	7 34 41	91 18 172					7A B. F. Morten	3	Rison	5910	Nevada	3 33 48	93 23	21			MID Soil Cons. Service	3
Clarksville	1455	Johnson	1 35 29	93 28 436					6P Dr. Irving F. Beach	2 3 5	Rogers	6248	Henton	7 36 20	92 51	1387			SS Howard Fowler	2 3 5
Clanton	1482	Van Buren	3 33 39	92 28 285					7A Earl E. Radtke	3	Russellville	6352	Pope	1 35 18	93 08	360			SP U.S. Forest Service	2 3 5
Cold Springs	1520	Scott	3 34 58	93 54 1250					7A Margaret Zornes	3	Saint Charles	6380	Clay	5 36 27	90 38	300			SA Fish & Wildlife Serv.	2 3 5
Combs 3 SE	1574	Madison	7 35 48	93 48 1400					7A Joe C. Allen	2 3 5	Saint Francis	6506	White	7 35 15	91 44	245			7A William S. Buckley Jr.	2 3 5
Combs 4 SE	1582	Newton	7 36 06	93 18 220					SP U.S. Forest Service	2 3 5	Searcy	6506	White	7 35 15	91 44	245			7A Adan C. Melton	2 3 5
Conway	1596	Faulkner	1 35 05	92 27 309					7A Virna Byrd	3	Sheridan Tower	6566	Grant	3 34 27	92 21	290			6P Ark. Forestry Com.	2 3 5
Corning	1632	Clay	7 36 24	90 35 283					6P Cummins Prison Farm	2 3 5	Shirley	6588	Van Buren	7 35 38	92 17	600			7A Maud H. Bradford	3
Cotter	1640	Baxter	7 36 17	92 31 440					7A Fern Jones Tedder	3	Siloam Springs	6624	Benton	1 36 11	94 33	1150			7A John Brown Univ.	2 3 5
Cove	1656	Polk	4 34 28	94 25 1050					7A William A. Brown	3	Springville	6698	Lawrence	7 36 05	91 18	450			MID A. R. Richardson	2 3 5
Crossett 7 S	1730	Ashley	3 33 02	91 50 173					7A J. A. Wood	3	Spartan 4 E	6788	Dallas	3 33 55	92 48	260			7A Mrs. Rachel Butler	3
Crystal Valley	1750	Pulaski	1 34 42	92 26 350					7A Gretchen Gossier	2 3 5	Stamps	6804	Lafayette	4 33 22	93 30	270			7A Hubert Baker	3
Cummins Farm	1768	Licola	1 34 08	91 35 176					7A O. Tucker Vanser	2 3 5	Star City 2 S	6850	Lincoln	3 33 54	91 51	292			7A Ark. Forestry Com.	3
Daisy	1814	Pike	3 34 14	93 45 629					MID Clarence E. Collins	3	Steve	6856	Yell	1						

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

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

Observation times given in the Station Index are in local standard time.

Delayed data and corrections will be carried only in the June and December issue 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 tables, but for which data are not listed, are either missing or received too late to be included in this issue.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in °F., precipitation and evaporation in inches, and wind movement in miles. Degree days are based on a daily average of 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 6.

Sleet and hail were included in snowfall averages in Table 1, beginning with July 1948.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5, 6, and snowfall data in Table 7 are for the 24 hours ending at time of observation. See the Station Index for observation time.

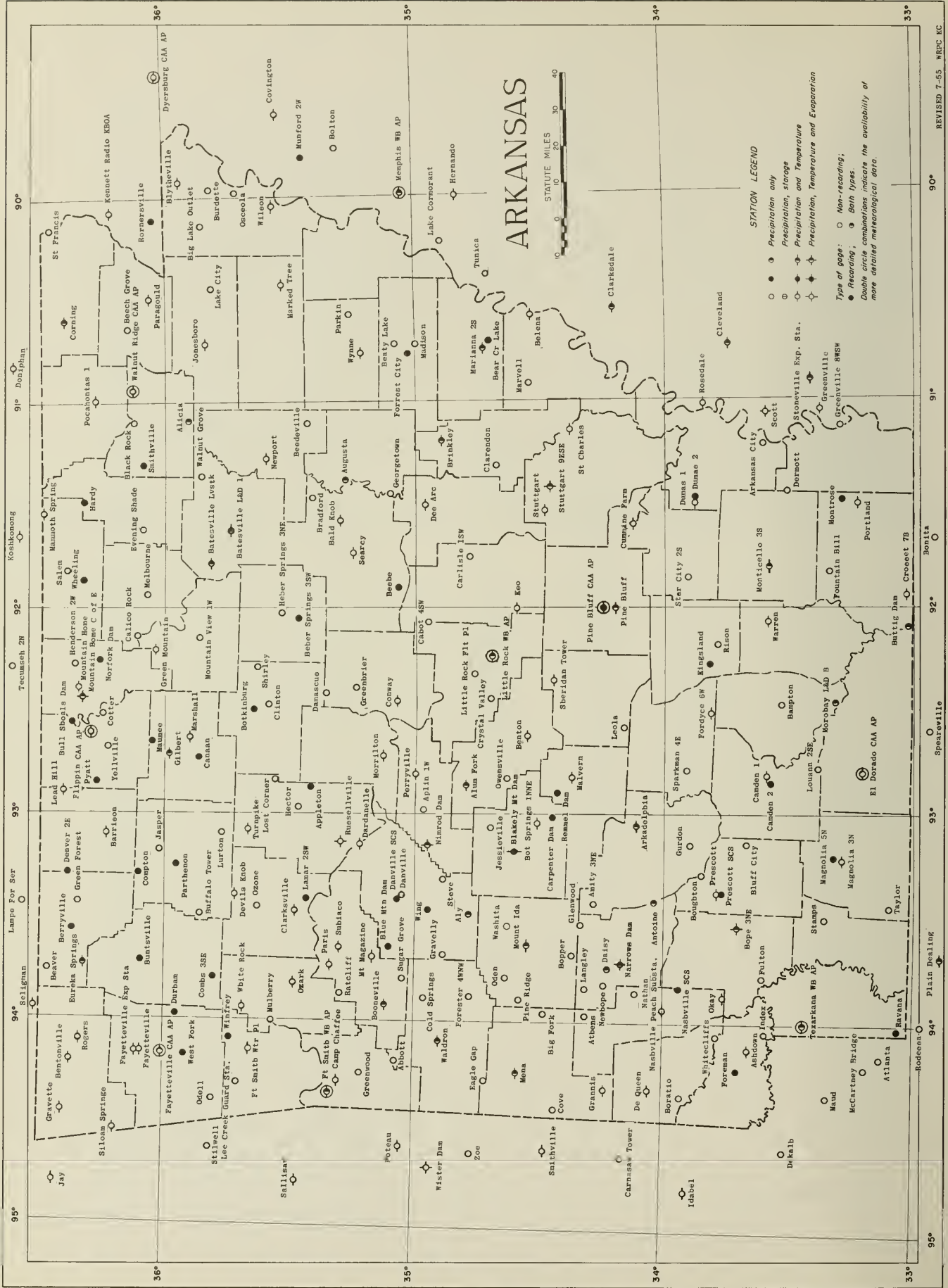
Snow on ground in Table 7 is at observation time for all except Weather Bureau and CAA stations. For these stations snow on ground values are at 0630 CST. "WTR EQUIV" in Table 7 means the water equivalent of snow on the ground. It is measured at selected stations when the depth of snow on the ground is two inches or more. Water equivalent samples are necessarily 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.

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

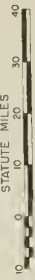
- No record in Tables 3, 6, 7, and the Station Index. No record in Tables 2 and 5 is indicated by no entry.
- + And also on a later date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered 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.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- C Data for recorded stations, denoted by "C", are processed for special purposes and published later in Hourly Precipitation Data.
- E 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; see Table 5 for detailed daily record. Degree Day data, if carried for this station, have been adjusted to represent the value for the 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).
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- SS This entry in time of observation column in Station Index means observation made near sunset.

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.

NWRC, Asheville, N. C. -- 2-8-56 -- 1005

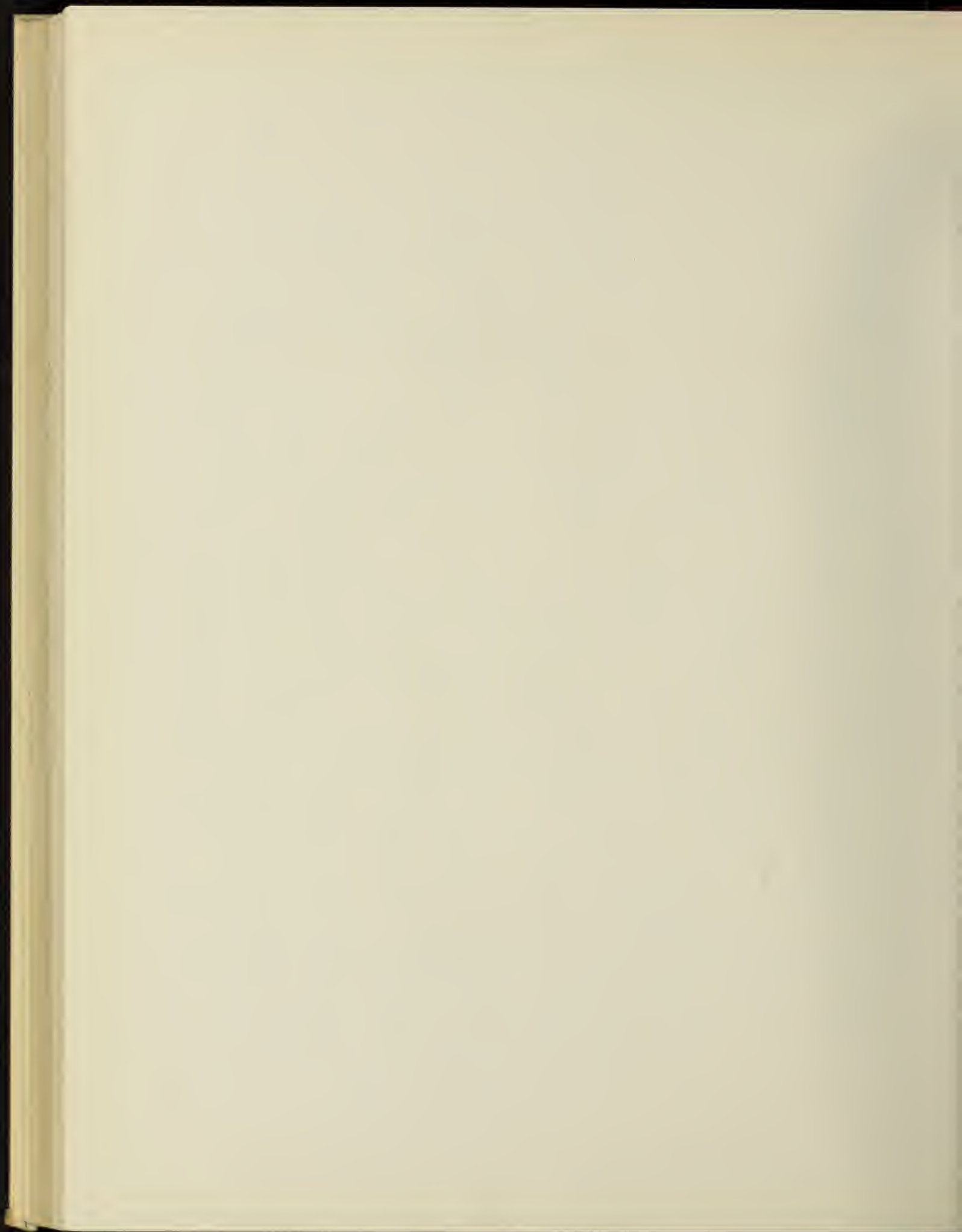


ARKANSAS



STATION LEGEND

- Precipitation only
 - Precipitation, Storage
 - Precipitation and Temperature
 - Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording,
 ● Recording, ● Bath types.
 Double circle combinations indicate the availability of more detailed meteorological data.



551.05
UNAR
Vol. 60¹³

~~NOV 1957~~

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

ARKANSAS

LIBRARY OF THE
MAR 20 1958
UNIVERSITY OF ILLINOIS

ANNUAL SUMMARY 1955
Volume LX No. 13



ASHEVILLE: 1956



ARKANSAS - 1955

WEATHER SUMMARY

Reversing the previous years' tendency toward heat and dryness, 1955 was cooler and wetter. Temperatures were -0.2 degrees from normal, down 2.1 degrees from 1954. Precipitation, although short by 13%, was adequate for most agricultural pursuits but failed to replenish sub-soil reserves. The year was short 6.42 inches from the normal of 48.15 inches, a marginal precipitation amount at best.

An estimate of crops by the Crop Reporting Service, Little Rock, indicates that valuation was 14% higher than 1954 and production was superior by 24%. An advance of 27% over the average (1944-1953) was recorded. Fruits were the only crop which failed badly and this was due to a spring freeze. Cotton retained the usual primary role with 65% of the total value of principal crops. Rice, soybeans, corn, hay, and oats all made favorable returns while strawberry production suffered as a result of the heat in 1954. Cantaloupe production about doubled. Tomatoes about equalled both the average and the 1954 crop while watermelons became a \$1,000,000 plus crop.

Temperatures fluctuated between above and below normal during the year on a month to month basis. The months of January, March-May, July, and September were all above normal, balanced by the other six months which were cooler than normal. April was the greatest positive deviate with a surplus of 3.9 degrees while June fell below normal by 4.4 degrees, the greatest negative difference. Annual means ranged between 64.9 degrees at Okay and Warren and 57.2 degrees at Siloam Springs. Stuttgart had the largest positive variation from the annual normal with 1.8 degrees, while Prescott with -2.1 degrees for the year had the largest negative departure. The coldest observed temperature was -2 degrees on February 11 at both Mount Magazine and White Rock, while 104 degrees was the highest reading on July 28 at Booneville. Monthly mean values were found between a July high of 84.3 degrees at Fort Smith WB AP and a February low of 35.3 degrees at Green Mountain. Camden recorded a high of 113 days when the maximum thermometer reached 90 degrees or higher. One hundred eighteen days of the minimum thermometer registering freezing or below were recorded at Lead Hill, the highest occurrence of this phenomenon. February was the coldest since 1948 but March did the most damage when, on the 26th, the temperature dropped below freezing and killed nearly all the fruit blossoms. April was the fourth warmest of record and did much good in reviving much plant life which withstood the late March freeze. June, as elsewhere in the Central area States, was the coolest since 1912.

Precipitation was generally deficient over the State. Those isolated stations which did receive above-normal amounts were noteworthy in the fact that the accumulation was in the form of heavy showers which did little to alleviate the dryness more than temporarily. Sub-surface reserves having been depleted over the four-year dry spell were practically nonexistent, as the 1952-1955 deficit amounted to 28.67 inches, more than half the normal annual amount. The months

of February, March, May, July, and September were abovenormal in the amount of precipitation which fell. December was the driest month with a departure of 3.11 inches, 28% of normal, while May was the wettest with 1.50 inches above normal. During the year Madison received 5.19 inches more than normal while Waldron was short 24.89 inches, both the greatest departures from normal. Langley measured the most precipitation with a total of 60.29 inches while Waldron received the least, 21.36 inches. Keo during May observed 13.76 inches, the highest monthly total, more than 68% of which was received on the night of the 26th during a torrential downpour. Steve and Alum Fork showed the least monthly total during December with no precipitation. Langley reported 23 days with 1.00 inch or more during the year. Annual snowfall amounted to 2.4 inches, 2.2 inches of which fell in January. The greatest monthly snowfall was also during January when Harrison reported 13.0 inches. January was the driest since January of 1943 and February was the driest second month since 1948. May reports show that Carlisle 1 SW, Des Arc, Little Rock WB AP, and Owensville received more than 6.00 inches from the storm of the 26th while Keo's greatest day, also the 26th, measured 9.45 inches. December was drier than any twelfth month of record except 1896.

STORMS

Six severe storms were reported in March and 28 during April. Three tornadoes are included in the April total, one of which on the 21st caused death and destruction over an area 80 yards by 1/2 mile in the Whitehall area of Jefferson County. A severe storm on the 5th did serious damage in an area 12 by 80 miles in Independence, Jackson, Poinsett, and Mississippi Counties. Total losses for April ran to an estimated three-quarters of a million dollars. The storm of May 26 did considerable damage to Hurricane Grove community. Tornadoes during the same day did \$200,000 damage in Garland and Saline Counties and \$10,500 damage in Perry County. The principal rain damage was in the Little Rock area where over six inches of rain fell and estimate of damage approximated \$1,000,000. May storms did over \$2,000,000 damage in the State. Over \$160,000 damage was incurred during the severe storms of June. Lightning was responsible for extensive property damage and two deaths during August. Heavy rains and high winds did \$15,000 damage to the Jonesboro area on October 12. Gusts were estimated at 100 miles per hour and streets were flooded from the downpour. Several counties reported tornadoes on November 15, causing at least one death. For a more detailed analysis of these and other severe storms in the State, the Climatological Data, National Summary, provides such a table for those interested.

FLOODS

Torrential rains over the central and east central sections on May 26 caused water damage of \$1,000,000 to the Little Rock area. The rains also caused overflows of the Saline River at Benton and Ouachita River at Arkadelphia on the 27th and 28th.

Albin F. Pyle

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

ARKANSAS
1955

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
ALUM FORK	42.8	2.2	44.1	-0.7	53.1	0.0	66.4	4.8	71.6	3.5	72.9	-3.4	81.5	1.3	79.5M	-0.3	76.4	2.6	63.8M	-0.3	51.0M	-0.5	42.1M	-1.7	62.1	0.6
ARKADELPHIA	44.7	0.9	47.3	-1.4	M	0	67.2	4.8	73.6	2.8	75.3	-2.8	82.8	1.6	81.2	0.2	78.2	2.0	63.8	-0.6	52.0	-1.2	43.7	-0.8	64.1	
ASHDOWN	44.9		47.9		57.1M		67.8		73.3		76.0		82.8		80.8		76.7		63.8M		53.1		40.3		61.1	
BALO KNOB	41.2		44.2		53.2		65.4		71.3		72.4		79.0		78.0		74.1		61.3		49.0		36.0		61.1	
BATESVILLE LIVESTOCK	38.1		39.5		49.6		63.8		68.7		69.8		79.5		78.3		74.3		59.5		45.3		30.3		58.5	
BATESVILLE L AND O NOI	40.5		42.9		52.1		65.6		70.4		72.0		81.6		79.2		74.7		61.7		48.6		39.6		60.7	
BENTON	41.6	2.0	44.7	-1.6	53.4	0.8	65.4	4.9	70.7	2.5	72.1	-4.3	81.6	0.7	79.1	-0.8	75.8	1.2	60.7	-1.9	49.2	-1.1	40.6	-1.4	-	-0.2
BENTONVILLE	37.8	1.2	38.4	-1.4	48.5	0.5	63.2	5.5	67.5	2.0	69.5	-4.6	79.6	1.2	76.0	-1.9	73.0	1.9	58.4	-1.1	45.2	-2.8	36.8M	-2.0	57.8	
BLYTHEVILLE	39.1	-0.8	41.4M	-2.0	51.5	0.3	65.3M	4.8	72.4	2.2	73.3	-4.7	83.2M	1.7	80.3	0.1	75.3	1.1	61.5	-1.9	48.0	-2.2	39.5	-2.4	60.9	-0.4
BOONEVILLE	42.5		43.9		53.2		66.2		72.6		74.5		84.1		81.3		77.8		62.8		50.2		42.1		62.6	
BRINKLEY	40.4	-1.6	42.9	-1.3	53.6	0.3	66.0M	4.0	72.5	2.5	73.9	-4.0	81.2M	0.7	80.1	-0.3	77.0M	2.2	62.7M	0.1	49.8M	-2.1	41.1M	-2.7	61.7	-0.3
CAMOEN 1	43.5M	-1	45.6	-1.7	57.6	2.3	67.1	3.7	71.8	7.4	72.2	-1.5	84.0	2.5	81.2	0.4	76.8	1.2	62.9	-1.3	50.5	-2.9	43.3M	-2.0	63.8	0.4
CAMP CHAFFEE	41.9		44.3		52.4		65.0		71.8		74.2		82.9		79.2		76.0		61.5		47.7M		37.8M		61.3	
CLARKSVILLE	41.7		43.5		52.6		66.1		71.9		73.5		82.5		79.8M		76.5		61.5		49.7		37.0		61.7	
CONWAY	42.9	0.9	45.3	0.6	54.5	0.9	67.4	5.2	72.7	2.7	73.7	-4.7	82.4	0.2	80.5	-1.3	76.9	2.1	63.2	-0.6	51.2	-0.6	42.1	-0.9	62.8	0.4
CORNING	37.8M	-0.2	39.6	-0.6	50.5	-0.3	65.1	5.1	71.0	2.6	72.8	-3.6	82.9	2.8	80.5M	1.9	75.4	2.7	60.4	-0.1	46.6	-2.0	36.7M	-3.2	59.9	0.4
CROSSETT 7 S	45.7	0.8	49.4	1.8	60.1	4.1	67.3	4.1	73.6	2.2	74.7	-4.0	81.2	-0.3	80.4	-1.2	77.9	2.3	64.6	-0.9	53.2M	-3.0	47.8	1.2	64.7	0.8
CUMMINS FARM	-		45.3M		65.7M		65.7M		73.1M		74.7		81.5		79.6		75.0		62.8M		45.8		37.0		62.8	
OURANELLE	43.4	2.2	44.9	-0.0	53.9M	0.6	67.6	5.0	72.5	2.2	73.7	-4.8	82.5	0.6	80.5	-0.6	77.3	1.9	63.1	-0.7	51.0	-0.7	42.3	-0.5	62.8	0.5
DE QUEEN	44.5	1.3	47.2	-0.7	56.7	1.0	67.9	4.6	73.7	3.3	75.2	-2.8	82.4	1.3	79.2	-2.6	75.8	0.2	62.2	-1.9	52.2	-0.4	43.1M	-2.1	63.3	0.1
OES ARC	41.5		42.8M		53.1		65.9		71.9		72.7		82.2		79.3		74.4		60.2M		47.1M		39.2M		60.8	
OEVLIS KNOB	37.3		39.4		48.0		62.9		67.2		68.3		77.8		75.3		74.0		59.6		46.6		37.8		58.0	
OMAS 1	44.3	-0.2	45.9M	-2.0	57.2	1.6	65.9	2.9	73.9	2.5	75.8	-3.4	83.4	-0.3	81.0	-1.3	78.2	1.0	63.0	-3.3	52.1	-3.0	45.5	-1.5	64.0	-0.6
EL OORAOO CAA AP	45.4	-0.8	47.7	-1.6	57.3	2.8	67.3	2.8	74.0	2.4	75.4	-4.5	82.3	-0.3	81.0	-1.3	78.2	2.0	63.0	-3.3	52.1	-3.0	45.5	-1.5	64.0	-0.6
EUREKA SPRINGS	39.6	1.3	39.9	-1.2	50.2	0.2	64.8	5.7	68.5M	1.8	69.7	-4.9	79.7	0.7	78.0M	-0.8	75.1	2.8	60.7	-0.5	48.0	-1.9	39.6	-0.5	59.5	0.2
FAYETTEVILLE	39.0		40.0		49.8		64.1		69.2		71.0		80.8		77.7		73.6		59.3		47.2		39.2		59.2	
FAYETTEVILLE CAA AP	37.7		39.2		48.3		62.8		67.8		70.1		79.2		75.7		72.1		58.2		44.4		37.0		57.7	
FAYETTEVILLE EXP STA	39.1	1.1	40.0	-0.4	49.2	-0.5	63.3	4.4	68.5	2.0	70.2	-4.4	80.0	1.2	76.0	-2.6	72.3	0.2	58.8	-2.2	46.7	-2.6	38.5	-1.6	64.0	-0.4
FLIPPIN CAA AP	37.8		39.6		48.6		64.0		69.3		70.9		81.4		78.1		73.2		59.1		45.8		37.0		58.7	
FORDYCE 6 W	45.3	0.6	47.8	-0.4	58.2	3.6	M		73.6	2.3	75.4	-3.6	82.3	0.3	80.6	-0.5	76.5	2.2	64.5	-1.3	54.0M	0.6	45.4	-0.5	-	-
FORT SMITH WB AP	41.0	1.0	42.5	-2.1	52.1	-0.2	66.2	3.6	72.3	2.7	74.7	-3.6	84.3	2.0	80.9	-1.2	77.0	2.0	62.7	-1.2	48.5	-2.0	40.0	-2.5	61.8	-0.2
FT SMITH WATER PLANT	40.3		41.6M		51.0		64.8		69.7		71.9M		79.8		76.7		73.7		59.8		47.6		39.1		59.4	
GILBERT	39.4		42.1		50.5		64.2		68.8		70.5		80.0		77.7		72.8M		59.8		47.6		39.1		59.4	
GRANNIS	43.0	1.5	46.2	-1.1	54.3	2.6	64.9	4.5	70.9	3.2	72.3	-3.4	80.3	0.8	77.6	-3.1	74.6	0.6	61.7	-1.8	50.9	0.0	42.8M	-1.7	61.5	0.3
GRAVETTE	37.7M	1.1	38.3	-0.7	48.0	-0.7	63.3	6.0	67.7	2.1	69.7	-4.4	80.4	2.1	76.5	-0.6	72.6	1.4	58.7	-2.0	37.5	-3.7	1.4	-1.7	58.0	0.0
GREEN MOUNTAIN	M		35.3M		46.4M		62.8		69.6		71.6		80.0		77.2		-		-		-	-	-	-	-	-
HARRISON	38.9	2.1	40.5	1.0	49.8M	1.0	63.6	5.8	68.3M	2.1	70.1	-4.0	79.2	1.1	76.2	-1.6	70.9	0.2	57.9M	-1.8	45.6	-2.8	36.7	-1.9	58.1	0.1
HELENA	43.3	0.2	47.1	-2.2	56.7	2.5	67.0	4.4	74.5	4.1	75.7	-2.5	81.6M	0.2	79.3	-1.2	75.2	2.5	63.9	0.0	52.6	-0.1	44.2	0.0	64.0	1.4
HOPE 3 NE	43.3	-1.3	44.9	-2.4	55.2M	-0.4	65.4M	1.6	73.3M	2.3	74.5M	-4.2	82.1M	0.4	79.6M	-2.3	76.5M	0.5	63.5	-1.6	51.6	-1.6	42.9	-4.3	62.7	-1.1
HOT SPRINGS 1 NNE	44.2	0.8	46.0	-0.8	56.1	1.9	68.6	5.5	73.4	3.1	74.8	-3.6	83.3	1.0	81.2	-0.5	77.9	2.1	65.8	0.9	53.0	-0.8	44.2	-0.2	64.1	0.8
JONESBORO	40.4	0.2	43.0	0.2	52.3	0.2	65.5	4.2	71.5	1.8	73.3	-4.7	82.5	1.2	80.6	0.3	76.7	2.3	61.9	-1.0	48.0M	-3.9	40.2	-1.1	61.3	0.0
LEAD HILL	43.2		45.6		54.6		66.5		72.3		73.8		82.1		79.4		75.2		61.9		50.2		42.2		62.3	
LITTLE ROCK WB AP	38.2	1.3	38.9	0.3	48.6M	0.6	63.9	5.1	68.9	2.0	70.2	-5.2	81.0	0.9	78.0	-1.1	72.8	0.9	58.5	-1.9	45.4M	-2.1	35.9	-2.5	58.5	
MAGNOLIA 3 N	42.5	0.7	44.6	-1.0	54.1	1.3	67.0	4.5	73.2	3.4	74.7	-3.8	83.4	-1.5	81.4	0.1	77.5	2.7	63.6	-0.3	50.9	-0.6	42.5	-1.4	62.9	0.5
MALVERN	43.1M		46.6		56.4M		68.3M		74.5		74.5		82.6		80.3		76.2		62.7		51.4		43.0		63.2	
MAMMOTH SPRING	38.9	1.4	40.7	0.4	49.8M	0.0	64.7	5.5	69.0M	2.4	70.8	-4.1	81.1	2.1	78.5	0.4	73.8	2.1	59.9	0.0	46.0M	-2.3	37.9M	-1.4	59.3	-0.6
MARIANNA 2 S	40.8	-1.6	42.4	-3.1	52.8	-0.8	64.8	2.3	72.9	2.3	73.1	-5.5	81.6M	1.8	81.9	1.2	77.8	2.5	63.9	0.0	52.6	-0.1	44.2	0.0	64.0	1.4
MARKEO TREE	38.1	-0.6	39.9	-2.7	50.3	-0.1	64.3	3.6	72.3	3.1	73.7	-4.3	82.5M	0.4	79.6M	-2.3	76.5M	0.5	63.5	-1.6	51.6	-1.6	42.9	-4.3	62.7	-1.1
MARSHALL	40.6	0.9	42.2	-0.8	49.9M	-0.4	63.9	3.9	69.																	

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS
1955

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		
ABBOTT	1.80		3.00		7.61		2.99		2.39		2.50		1.32		3.95		2.75		0.53		1.45		0.43		2.30		2.72	
ALICIA	1.18		2.91		7.18		4.59		7.06		2.37		3.31		1.16		2.32		3.18		1.95		0.80		3.30		3.01	
ALUM FORK	1.01	-2.57	2.65	-2.46	5.83	0.14	3.23	-4.17	7.85	2.21	2.68	-2.01	1.23	-1.97	4.69	0.41	7.53	5.19	2.35	-0.41	0.51	-4.76	0.00	-3.82	39.56	-14.22		
ALY	1.11		3.52		5.60		4.43		8.81		2.76		0.97		4.46		2.63		4.16		1.26		0.50		40.51		47.63	
AMITY 3 NE	1.79		4.26		7.16		3.98		8.02		3.32		5.63		2.28		4.44		3.89		1.65		1.21		1.77		43.37	
ANTOINE	1.95		3.71		4.85		5.35		7.61		2.39		4.75		3.74		2.43		2.74		2.08		1.77		1.11		48.36	
APLIN 1 W	1.63		3.23		8.14		3.54		6.12		3.17		3.17		3.30		1.90		3.30	0.21	1.68	-0.08	1.80	-3.24	46.07	4.29	50.57	1.00
ARKADELPHIA	2.25	-2.38	3.99	0.17	6.49	1.61	6.62	1.39	8.22	1.02	2.71	-1.78	3.19	-0.52	2.63	-1.02	3.10	0.33	2.11	-0.36	2.11	-1.92	4.07	-1.21	40.57		41.66	
ARKANSAS CITY	4.00	-0.83	6.36	1.96	7.24	1.65	5.66	0.85	7.41	2.89	1.47	-2.23	3.63	0.02	5.01	1.49	1.50	-1.31	2.43	-0.36	2.11	-1.92	4.07	-1.21	40.57		41.66	
ASHDOWN	2.37		3.74		3.99		3.55		6.27		0.28		5.88		1.63		8.00		2.41		1.99		1.57		1.57		41.66	
ATHENS	0.96		3.22		6.28		4.90		5.01		1.81		7.67		6.82		6.43		3.68		2.10		1.13		50.01		53.21	
AUGUSTA	1.36		3.8		7.76		5.98		9.04		5.92		1.65		7.65		3.38		2.17		2.10		1.63		1.13		50.01	
BALD KNOB	0.67		3.57		6.31		6.46		5.72		5.64		4.23		1.30		2.87		2.24		1.58		1.21		1.21		43.60	
BATESVILLE LIVESTOCK	0.89		3.05		5.87		3.77		5.62		5.62		5.21		1.01		2.06		2.58		1.42		0.44		0.44		37.54	
BATESVILLE L AND D NOI	0.81	-3.55	3.12	-0.34	5.69	1.73	4.40	-0.48	5.78	0.85	5.60	1.62	2.68	-0.80	3.10	-1.01	2.24	-1.30	2.50	-0.72	3.41	-0.04	0.65	-3.31	39.98	7.35		
BEATY LAKE	1.25		6.42		5.63		10.99		8.31		7.23		8.31		4.01		1.77		1.99		3.26		1.28		1.28		57.35	
BEAVER	0.79		4.58		3.60		2.79		7.49		7.27		2.67		0.73		3.12		1.08		1.30		0.34		0.34		35.76	
BEECH GROVE	1.47		1.07		5.78		5.02		6.84		1.55		6.84		3.22		3.38		2.26		3.39		0.67		0.67		43.60	
BEEDEVILLE	1.52		4.01		7.71		6.43		6.77		5.78		2.14		4.18		1.64		2.88		1.62		0.44		0.44		44.54	
BENTON	1.89		4.18		6.97		2.87		7.87		4.23		3.95		2.18		3.57		1.62		1.52		2.13		2.13		46.28	
BENTONVILLE	0.90	-1.77	5.50	3.23	3.04	-0.39	2.83	-1.91	6.24	1.15	7.27	2.07	0.79	-2.50	2.98	-1.06	2.37	-1.85	1.43	-2.56	0.82	-2.46	0.39	-2.07	34.50	10.12		
BERRYVILLE & NW	1.45		4.19		4.88		4.25		5.76		2.45		2.45		2.95		3.69		2.96		0.97		0.91		0.91		38.80	
BIG LAKE	1.16	-3.91	4.57	1.92	5.90	1.68	9.82	6.00	6.01	2.66	2.22	-0.46	3.08	-0.09	1.08	-1.53	0.77	-2.27	2.97	0.40	2.33	-0.92	2.40	-2.30	42.31	1.18		
BLACK ROCK	0.87	-3.58	2.59	-0.63	4.31	-0.05	4.31	-0.82	7.54	2.66	3.05	-0.47	2.29	-1.23	0.60	-3.51	1.28	-2.28	4.88	1.62	1.23	-2.77	0.49	-3.37	33.44	14.41		
BLAKELY MOUNTAIN DAM	1.52		3.61		5.33		2.33		9.87		1.44		4.17		4.83		5.37		3.23		1.57		1.10		1.10		44.37	
BLUFF CITY	2.08		5.83		4.64		5.01		5.01		0.95		6.96		3.04		1.95		5.33		2.32		1.43		1.43		45.11	
BLYTEVILLE	1.78	-3.65	4.65	1.39	6.31	1.70	8.32	3.85	4.74	1.15	2.88	-0.79	4.57	1.38	1.03	-2.88	3.53	0.41	3.41	0.33	2.80	-0.56	1.49	-2.82	45.51	0.94		
BOONEVILLE	1.57		3.52		5.82		2.55		4.17		4.88		0.45		3.88		3.88		0.61		1.62		0.50		0.50		32.46	
BOUGHTON	2.27		4.25		5.97		4.02		7.41		1.36		7.22		2.41		3.58		3.03		1.10		1.55		1.55		44.17	
BRADFORD	0.92		3.42		9.31		6.21		6.54		5.96		2.09		3.87		2.30		3.05		1.94		1.48		1.48		47.09	
BRINKLEY	1.69	-3.51	8.62	2.42	6.58	1.29	5.94	0.48	8.23	2.84	4.81	1.08	3.57	-0.71	1.15	-2.17	2.65	-1.33	0.93	-2.59	2.89	-1.07	0.65	-4.46	45.71	7.73		
BUFFALO TOWER	1.46		4.84		5.98		4.51		6.06		6.06		1.55		4.70		4.67		2.28		1.82		0.31		0.31		45.10	
BURDETTE	1.55		5.86		8.19		10.14		4.49		2.84		2.84		2.50		2.50		2.65		2.60		2.08		2.08		48.42	
CABOT 4 SW	1.08		3.69		6.09		3.31		9.38		2.94		1.52		1.31		3.05		1.33		1.24		1.00		1.00		35.95	
CALICO ROCK	1.04	-2.41	3.2	0.61	4.09	0.49	3.66	-0.99	6.23	1.45	7.77	3.97	2.40	-1.08	3.50	-0.85	0.92	-2.47	2.07	-1.25	2.04	-1.06	0.39	-2.98	43.73	6.55		
CAMDEN 1	2.73	-2.16	6.50	2.52	4.39	-0.67	4.51	-0.26	3.40	-0.91	1.94	-2.18	2.40	-0.10	4.45	-0.10	4.45	1.26	0.87	1.02	2.96	-1.45	1.95	-3.05	45.22	4.16		
CAMP CHAFFEE	1.37		4.50		5.17		2.23		6.79		2.89		1.55		4.46		4.60		0.60		0.78		0.78		0.78		37.56	
CARLSLE 1 SW	1.57		4.60		6.87		6.10		11.81		2.15		9.38		1.54		1.62		1.78		2.63		0.95		0.95		51.00	
CLARENDON	1.67	-3.00	6.56	2.54	6.32	1.32	7.20	1.71	5.69	1.24	4.22	0.66	4.52	1.13	0.76	-2.68	1.64	-1.63	2.45	-0.59	2.69	-1.28	1.24	-3.89	44.96	4.47		
CLARKSVILLE	1.44		6.18		5.52		2.40		6.52		2.21		5.38		1.52		3.44		1.10		2.29		0.32		0.32		38.32	
CLINTON	1.13		5.27		5.79		4.15		7.75		4.78		5.62		0.96		3.75		2.13		1.99		0.67		0.67		43.99	
COLD SPRINGS	1.69		3.22		6.86		4.43		4.59		2.19		1.64		5.77		3.62		1.13		1.39		0.55		0.55		36.88	
CONWAY	1.12	-3.29	3.45	-0.34	7.00	2.40	5.10	0.11	6.95	1.78	1.90	-2.40	3.95	0.45	2.26	-1.04	4.63	1.28	2.60	-0.40	1.75	-2.27	1.37	-2.94	42.08	6.34		
CORNING	1.25	-3.03	2.7	-0.65	4.96	0.33	4.46	-0.51	8.50	4.04	1.57	-2.08	4.89	1.31	0.54	-3.05	2.85	-0.63	3.44	-0.05	1.19	-2.30	0.60	-3.09	37.05	10.01		
COTTER	1.03	-2.04	2.6	-0.33	3.71	0.67	2.60	-1.56	5.10	0.17	8.03	3.68	3.12	0.32	0.86	-2.62	2.54	-0.55	1.88	-1.88	1.52	-1.49	0.21	-3.15	33.33	8.78		
COVE	1.65		4.36		3.72		5.44		5.88		1.50		5.06		6.89		3.25		3.27		1.18		0.94		0.94		43.32	
CROSSETT 7 S	3.90	-1.68	5.40	1.85	3.21	-0.30	4.33	-0.30	5.08	-0.08	2.23	-1.84	3.44	1.94	2.63	-0.41	3.89	-1.50	2.21	-1.36	2.37	-1.84	4.35	-1.14	47.66	3.15		
CRYSTAL VALLEY	1.57		4.24		4.93		3.34		9.50		3.34		4.58		2.63													

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

ARKANSAS
1955

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	
LITTLE ROCK WB AP R//	1.49	-3.63	4.24	0.18	4.75	-0.10	3.70	-1.46	11.55	6.70	3.84	0.41	2.17	-0.93	1.22	-1.93	4.75	1.90	1.17	-1.64	1.80	-2.12	1.93	-2.15	42.61	4.77	
LITTLE ROCK FILTER PL	1.53		4.19		5.14		4.49		8.74		3.71		3.10		3.07		3.73		1.25		1.75		2.01		42.27		
LOST CORNER	1.01		5.67		6.08		1.74		4.36		4.21		2.96		4.13		1.84		4.40		1.86		0.75		42.13		
LOUANN 2 SE	2.24		5.33		6.08		1.74		4.36		4.21		2.96		4.13		1.84		4.40		1.86		0.75		42.13		
LURTON	0.61		6.07		4.66		6.97		4.90		4.42		3.62		2.38		6.94		2.22		1.86		0.52		45.17		
MADISON	1.42	-3.81	7.40	2.89	6.02	0.80	10.27	6.05	3.15	-0.51	4.61	1.64	6.84	2.04	5.63	2.30	2.40	-0.50	3.03	0.12	2.63	-1.47	1.18	-4.36	54.58	5.19	
MAGNOLIA 3 N	2.47	-2.37	5.54	1.55	3.99	-0.67	3.42	-1.47	6.46	1.85	3.40	-0.10	3.02	-0.99	4.05	1.48	1.67	-0.43	2.70	-0.28	1.52	-3.11	2.01	-3.73	40.21	8.27	
MALVERN	1.74		4.23		7.51		2.28		7.03		3.00		3.00		3.85		4.20		1.87		2.06		1.60		41.85		
MAMMOTH SPRING	0.76	-2.88	3.56	0.85	3.84	0.44	2.16	-2.92	6.20	1.59	2.19	-2.03	5.05	1.55	0.99	-3.03	2.27	-1.25	1.70	-1.88	1.59	-1.81	0.55	-2.72	30.86	14.09	
MARIANNA 2 S	1.83	-2.86	6.75	2.87	7.22	2.34	9.39	5.29	3.23	-0.69	3.34	-0.11	4.04	0.65	4.16	1.25	2.02	-0.72	2.75	-0.41	2.41	-0.96	1.50	-3.13	48.66	3.48	
MARLED TREE	1.33	-4.10	4.76	1.29	7.56	2.40	9.46	3.81	5.12	0.32	4.51	1.07	4.63	1.02	3.03	-0.51	1.45	-1.51	3.28	-1.34	1.73	-2.35	1.79	-2.75	47.95	2.65	
MARSHALL	0.99	-2.22	4.12	1.58	4.84	0.86	4.43	-1.55	7.12	0.33	7.81	3.30	8.06	4.49	1.59	-3.70	3.57	-0.46	1.65	-2.53	0.89	-2.70	0.19	-3.54	45.04	6.14	
MARVELL	1.22		6.25		8.63		8.55		3.25		3.02		2.85		2.47		1.50		2.01		1.30		0.47		E37.59		
MELBOURNE	0.87		5.23		5.15		5.96		2.95		5.66		2.47		4.78		0.52		3.38		3.01		-0.68	1.64	-1.93	39.48	12.35
MENA	1.36	-2.59	4.20	0.84	4.51	0.01	5.42	-0.16	4.52	-1.69	1.79	-3.19	3.93	0.05	4.78	0.52	3.38	-0.46	3.01	-0.68	1.64	-1.93	0.94	-3.05	39.48	12.35	
MONTICELLO 3 S	2.86		5.48		4.65		6.43		7.79		2.58		3.22		4.86		0.54		3.20		2.76		2.51		46.88		
MORRILLTON	2.97		4.28		5.53		2.84		5.87		4.23		3.32		3.46		0.62		3.20		1.91		2.54		38.44		
MORRIS L AND O NO 8	1.24	-2.62	4.65	1.41	7.03	2.90	3.31	-1.59	5.02	0.40	4.35	0.43	1.99	-0.45	1.92	1.00	4.09	1.26	2.13	-1.95	1.36	-2.51	0.78	-3.26	37.84	6.58	
MOUNTAIN VIEW 1 W	1.54	-2.81	3.86	-0.10	4.83	0.33	3.09	-2.77	7.47	1.79	3.02	-1.16	5.74	2.24	4.10	1.21	4.00	0.53	3.34	-0.37	1.11	-3.04	0.83	-3.50	43.53	7.65	
MOUNT MAGAZINE	1.26		3.32		6.77		4.92		6.24		2.48		2.90		2.46		3.65		1.09		1.48		1.69		E37.41		
MOUNTAIN HOME	1.04	-1.83	3.09	0.52	3.93	0.26	1.85	-2.74	5.03	-0.28	7.29	2.79	2.84	-0.68	1.13	-2.70	2.27	-1.48	1.63	-2.33	1.52	-1.65	0.17	-3.37	31.79	13.54	
MOUNTAIN HOME C OF ENG	0.83		3.50		4.20		2.41		5.70		8.41		3.13		1.55		2.29		1.64		1.76		0.30		37.72		
MOUNTAIN VIEW 1 W	1.44		3.50		5.55		4.76		8.72		9.95		6.38		1.37		2.18		2.05		1.38		0.42		47.50		
MULBERRY 6 NNE	1.25		4.90		4.61		2.59		7.66		2.20		4.20		4.32		3.87		0.45		2.27		0.80		38.12		
NARROWS OAM	2.26		4.09		7.23		5.17		8.19		3.31		7.14		2.86		4.49		5.04		1.58		1.32		52.68		
NASHVILLE PEACH SUBSTA	2.73		3.48		5.40		6.37		6.58		0.55		2.76		2.91		4.90		3.52		1.06		0.73		45.96		
NATMAN 4 WNW	1.71		3.25		6.73		7.46		6.08		3.23		3.69		5.05		6.29		2.84		1.08		1.46		49.53		
NEWHOPE 3 E	1.65		3.44		7.25		3.75		6.40		3.72		6.77		5.05		6.29		2.84		1.08		1.46		49.53		
NEWPORT	1.27	-3.68	3.29	-0.25	7.51	2.72	2.96	1.03	7.12	2.89	5.93	2.14	3.22	0.00	3.31	-0.16	2.64	-0.78	2.60	-0.37	2.48	-1.61	1.24	-2.86	46.57	0.93	
NHROD DAM	0.75		3.41		5.77		2.29		7.33		2.38		3.31		2.05		3.44		3.44		1.45		1.04		E39.34		
OEELL	1.79		4.85		4.22		3.70		6.21		8.25		1.29		4.20		3.50		0.88		0.73		0.70		40.18		
OZEN	1.23	-2.78	3.64	0.19	5.03	1.22	3.59	-2.39	6.66	1.59	2.12	-1.85	3.85	0.71	4.49	1.19	3.70	0.75	2.52	-0.57	0.60	-3.19	1.07	-3.16	38.76	8.29	
OSCEOLA	1.29	-3.28	2.89	-1.01	4.35	-0.26	3.82	-0.74	5.75	0.89	0.79	-2.18	4.07	0.47	4.24	1.45	6.64	3.82	2.47	-0.51	1.42	-2.94	1.70	-3.45	40.42	6.69	
OWENSVILLE	1.23		3.64		5.6		3.46		10.18		3.15		5.02		2.67		6.58		3.02		1.83		1.83		47.48		
OZARK	1.27	-1.77	6.99	2.21	6.07	2.32	3.19	-1.42	6.43	0.95	2.50	-1.89	1.42	-1.72	2.25	-1.48	4.27	0.87	0.70	-2.66	1.35	-1.73	0.58	-2.82	35.05	9.14	
PARAGOULO	1.37	-3.71	3.59	-0.27	5.41	0.49	5.40	0.64	7.62	3.43	2.01	-1.49	3.60	0.38	0.86	-3.01	2.74	0.25	2.50	-0.44	3.50	0.19	0.78	-3.60	E39.38	7.14	
PARIS	1.36		5.13		6.53		2.16		7.43		3.45		3.00		3.72		0.42		1.73		0.63		1.73		38.18		
PARKIN	1.67	-3.49	5.81	1.66	5.71	0.39	7.36	3.11	7.41	4.24	4.32	1.04	4.40	0.98	2.55	-0.60	1.98	-0.93	2.98	-0.21	2.88	-0.76	1.19	-4.09	48.26	1.34	
PERRYVILLE	2.18	-2.22	3.34	-0.08	7.51	3.70	3.71	-1.55	4.77	-0.97	3.06	-1.84	4.77	0.52	2.39	-1.66	8.68	5.18	1.83	-1.67	1.95	-1.65	0.65	-3.33	44.89	5.57	
PINE BLUFF	2.46	-2.77	6.57	2.47	5.91	0.60	5.60	0.17	4.19	-0.22	4.10	0.37	2.67	-0.93	2.72	-0.16	3.22	-1.19	3.61	0.78	2.52	-1.66	2.23	-3.04	44.80	5.54	
PINE BLUFF CAA AP	2.39		6.34		6.74		6.39		6.66		2.93		3.13		3.04		2.10		2.39		2.70		2.70		46.50		
PINE RIDGE	1.14	-3.42	2.99	0.24	5.19	0.91	4.27	-1.68	7.06	1.50	2.99	-1.44	4.90	1.21	4.33	1.42	3.28	0.28	2.95	-1.08	0.74	-3.37	1.12	-3.39	41.96	8.52	
POCANTON 1	1.42	-3.40	2.44	-0.85	4.53	-0.03	4.75	-0.11	7.74	3.04	4.03	-0.07	3.31	-1.68	4.63	-3.76	1.55	-1.79	4.42	1.11	1.51	-2.06	0.47	-3.03	33.30	12.93	
PORTLAND	3.81	-0.94	5.9	1.70	6.11	0.83	4.06	-0.91	6.40	1.70	3.10	-0.06	4.47	0.54	1.21	-2.02	0.95	-1.65	3.32	0.38	2.70	-1.45	2.80	-2.99	44.91	4.87	
PRESCOTT	2.05	-2.69	6.93	1.13	1.90	1.34	4.40	-0.72	7.32	2.43	1.54	-1.18	9.29	5.75	1.54	-1.62	3.20	0.28	2.96	0.33	1.40	-2.31	2.03	-2.63	46.50	0.89	
RATLIFF	1.30		4.73		6.50		2.47		4.43		3.67		2.38		2.56		3.13		0.53		0.54		0.54		32.80		
RISON	2.60		6.51		6.84		5.59		3.47		1.49		3.02		1.99		2.66		4.73		1.90		2.46		41.06		
ROGERS	0.83	-1.81	5.16	3.09	3.36	0.01	3.46	-1.11	6.90	1.55	7.54	2.64	0.31	-3.37	1.36	-2.41	3.43	-0.65	1.88	-1.61	1.28	-1.75	0.40	-2.04	35.91	7.46	
RUSSELLVILLE																											

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

ARKANSAS
1955

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.							
ALUM FORK	98	7-6+	9	2-11	3-26	15	3-27	20	3-27	20	3-29	25	3-29	25	11-3	32	11-10	28	11-28	20	11-28	20	12-16	12	265	246	246	226	219
ARKADELPHIA	101	8-22	12	2-11	3-26	15	3-27	20	3-27	20	3-29	25	3-29	25	11-3	32	11-10	28	11-28	20	11-28	20	12-16	12	265	246	246	226	219
ASHWOOD	100	7-10+	10	12-16	2-11	13	3-27	18	3-27	18	3-29	27	3-29	27	11-3	32	11-10	28	11-28	20	11-28	20	12-16	12	265	246	246	226	219
BALD KNOB	98	8-22+	9	2-11	3-26	15	3-27	17	3-27	17	3-29	26	3-30	32	10-25	32	11-3	28	11-28	22	11-29	18	12-12	16	304	247	246	219	210
BATESVILLE LIVESTOCK	102	9-8	3	12-16	3-27	12	3-28	20	3-27	22	3-29	22	3-30	31	10-15	32	10-31	26	11-3	23	11-4	20	12-16	10	265	227	222	210	209
BATESVILLE L & O NO. 1	100	8-19	7	1-29	3-27	15	3-27	15	3-29	22	3-29	22	4-8	32	10-19	32	10-25	28	11-4	23	11-17	19	11-30	15	248	235	220	210	194
BENTON	99	9-7+	8	12-16	3-27	14	3-27	14	3-29	23	3-29	23	3-31	31	10-25	29	10-31	27	11-4	23	11-9	20	12-13	16	261	227	220	216	208
BENTONVILLE	97	7-29+	2	2-11	3-27	15	3-27	15	3-29	24	3-29	24	4-8	32	10-18	32	11-3	22	11-3	22	11-9	20	12-13	16	235	234	219	219	193
BLYTHEVILLE	98	7-3+	7	2-11	3-27	15	3-27	15	3-27	15	3-28	26	3-29	30	11-3	32	11-4	27	11-28	15	11-28	15	11-28	15	246	246	246	221	219
BOONEVILLE	104	7-28	8	2-11	3-27	16	3-27	16	3-27	16	3-29	25	3-29	25	10-25	27	10-25	27	11-4	22	11-9	18	11-17	16	235	227	220	210	210
BRINKLEY	102	7-26	10	12-16	2-12	14	3-27	19	3-27	19	3-28	27	3-29	29	10-18	32	10-25	27	11-4	22	11-9	18	12-16	10	307	227	222	211	203
CAMDEN 1	102	7-10	12	12-16	2-12	15	3-27	24	3-27	24	3-28	24	3-28	24	10-31	31	11-4	27	11-29	21	11-30	20	12-16	12	307	251	247	222	217
CAMP CHAFFEE	100	7-10	8	2-11	3-26	14	3-27	18	3-29	24	3-29	24	3-29	24	10-25	28	10-25	28	11-4	23	11-9	18	11-29	15	248	227	220	210	210
CLARKSVILLE	100	9-7+	11	2-11	3-27	15	3-27	15	3-27	15	3-29	26	3-29	26	10-25	29	11-3	27	11-7	24	11-17	19	12-16	11	264	235	225	210	210
CONWAY	100	9-7+	11	2-11	3-27	16	3-27	16	3-27	16	3-29	27	3-29	27	11-3	31	11-4	28	11-17	22	11-29	19	12-16	13	307	247	235	220	219
CORNING	100	9-8	5	2-11	3-27	14	3-27	14	3-27	14	3-29	27	3-30	32	11-3	31	11-4	25	11-9	23	11-28	14	12-16	14	246	246	227	220	218
CROSSET 7 S	98	7-10+	12	12-16	2-12	16	3-27	19	3-29	24	3-30	31	3-30	31	10-25	29	11-4	23	11-9	23	11-29	19	12-16	12	307	289	227	220	209
CUMMINS FARM	98	9-8	12	2-11	3-27	16	3-27	16	3-27	16	3-27	16	3-27	16	11-3	31	11-4	29	11-9	26	11-28	21	11-29	18	306	246	246	221	219
DARDANELLE	99	8-22+	10	2-11	3-26	15	3-27	18	3-27	18	3-29	28	3-29	28	11-3	31	11-4	27	11-17	24	12-9	20	12-16	15	265	247	235	220	219
DE QUEEN	102	7-10	11	2-11+	2-12	15	3-27	17	3-27	17	3-29	27	3-29	27	10-18	29	11-4	25	11-9	24	11-28	19	12-12	15	303	256	227	220	213
OES ARC	100	8-23	10	2-11	2-12	12	3-27	18	3-27	18	3-28	25	3-29	31	10-25	29	11-3	27	11-4	23	11-9	20	12-16	15	290	227	222	220	210
DEVILS KNOB	95	8-22	1	2-11	3-27	10	3-27	10	3-28	24	3-28	24	3-28	24	10-30	32	11-3	23	11-7	23	11-17	20	12-16	11	308	246	246	220	210
DUMAS 1	101	7-10+	15	12-16	2-11	16	3-27	20	3-27	20	3-29	28	3-29	28	10-30	32	11-3	23	11-7	23	11-17	20	12-16	11	306	246	246	220	210
EL OORADO CAA AP	100	7-28	12	12-16	2-11	16	3-27	20	3-27	20	3-29	26	3-29	26	10-25	32	11-4	27	11-28	23	11-29	20	12-16	12	308	261	247	220	210
EUREKA SPRINGS	99	9-8	2	2-11	3-27	15	3-27	15	3-27	15	3-28	25	3-29	30	10-24	32	11-3	23	11-3	23	11-16	19	11-28	14	246	234	227	220	210
FAYETTEVILLE	97	8-22	4	2-11	3-27	16	3-27	16	3-27	16	3-29	25	4-8	32	11-3	25	11-3	25	11-9	21	11-16	18	11-28	16	246	234	227	219	209
FAYETTEVILLE CAA AP	96	8-22	4	2-11	3-27	15	3-27	15	3-29	23	3-29	23	4-8	32	10-15	32	11-3	21	11-3	21	11-7	20	11-16	16	234	225	219	219	190
FAYETTEVILLE EXP STA	99	7-30	3	2-11	3-27	15	3-27	15	3-27	15	3-29	25	4-8	32	10-18	29	10-24	28	11-3	20	11-3	20	11-17	15	235	221	221	209	193
FLIPPIN CAA AP	99	7-29	4	2-11	3-27	12	3-27	12	3-29	22	3-29	22	4-8	31	10-15	32	10-25	28	11-3	20	11-3	20	11-17	15	246	227	220	210	190
FOROYCE 6 W	100	7-10+	14	2-11	3-27	14	3-27	17	3-27	17	3-28	31	3-28	31	11-3	32	11-17	24	11-17	24	11-29	19	12-16	15	308	247	235	220	219
FORT SMITH W8 AP	101	7-30	9	2-11	3-26	15	3-26	15	3-27	21	3-29	28	3-29	28	10-25	32	11-4	28	11-9	23	11-17	20	12-16	10	305	236	227	220	210
FORT SMITH WATER PLANT	99	7-30	6	2-11+	3-27	12	3-27	12	3-29	22	3-29	22	4-8	32	10-15	32	10-25	27	11-3	22	11-4	20	11-17	14	235	222	219	210	190
GILBERT	100	9-7	6	1-29+	3-27	10	3-29	18	3-29	18	3-30	26	4-8	32	10-15	32	10-25	28	11-3	20	11-3	20	11-17	15	235	220	219	203	190
GRANNIS	98	7-10	6	2-11	3-27	13	3-27	13	3-27	13	3-29	27	3-29	27	11-3	30	11-4	28	11-17	13	11-17	13	11-17	13	235	235	235	220	219
GRAVETTE	97	7-29+	2	2-11	3-27	12	3-27	12	3-28	23	3-29	26	4-8	31	10-15	30	10-18	27	11-3	17	11-3	17	11-17	15	234	231	220	210	190
GREEN MOUNTAIN	-	-	0	2-11	3-27	8	3-28	18	3-28	18	3-29	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARRISON	97	7-31+	5	2-11	3-26	9	3-27	17	3-29	22	3-29	22	4-8	31	10-14	30	10-19	27	11-3	21	11-4	20	11-9	16	228	222	219	204	189
HELENA	100	7-28	13	2-11	2-11	13	3-26	19	3-27	21	3-27	21	3-28	29	11-4	30	11-9	28	11-28	23	12-16	17	12-16	17	265	246	227	221	201
HOPE 3 NE	100	9-9	10	12-16	2-12	15	3-27	19	3-27	19	3-29	28	3-30	30	10-25	32	11-4	26	11-28	21	11-29	20	12-16	10	307	247	246	220	219
HOT SPRINGS 1 NNE	101	7-11+	10	2-11	2-11	10	3-27	18	3-27	18	3-27	18	3-29	30	11-3	32	11-17	27	11-28	21	12-16	16	12-16	16	308	264	246	235	219
JONESBORO	98	7-27+	7	2-11	3-26	14	3-27	18	3-27	18	3-28	27	3-29	31	11-3	31	11-4	28	11-9	23	11-17	20	12-16	10	305	236	227	220	210
KEO	98	7-10+	12	12-16	2-11	13	3-27	19	3-27	19	3-29	26	3-29	26	10-25	31	11-4	24	11-8	16	11-28	16	11-28	16	247	246	246	221	219
LEAO HILL	100																												

TOTAL EVAPORATION AND WIND MOVEMENT

ARKANSAS
1955

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
BLAKELY MOUNTAIN DAM	EVAP	1.32	1.70	3.528	6.048	6.898	7.05	8.448	7.038	6.558	4.828	-	1.688	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1776	20888	2493	-	18308	1695	16238	14528	1188	1729	-	1564	-
HOPE 3 NE	EVAP	2.738	2.658	3.808	6.348	6.558	5.548	7.178	5.838	-	4.708	2.748	1.818	-
	DEP	+0.39	-0.01	-0.58	+0.80	+0.14	-1.56	-0.88	-1.80	-	+0.02	+0.07	-0.16	-
	WIND	901	1242	1271	1080	644	702	5308	6908	-	8868	948	808	-
MOUNTAIN HOME C OF ENG	EVAP	-	-	-	5.60	6.17	6.50	7.08	7.33	6.64	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	1660	1043	906	5318	908	934	-	-	-	-
NARROW5 DAM	EVAP	1.42	-	-	5.70	6.138	7.088	8.318	7.098	6.048	4.388	3.168	1.678	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1154	-	-	1451	964	861	761	702	626	1021	1415	1085	-
NIMROD DAM	EVAP	-	-	3.898	6.278	6.708	6.138	6.97	5.958	7.018	4.198	-	-	-
	DEP	-	-	-	-	+0.74	-1.03	-0.90	-1.23	+1.49	-0.05	-	-	-
	WIND	-	-	1649	1634	11138	7538	601	532	429	819	-	-	-
RU55ELLVILLE	EVAP	-	-	3.168	5.00	5.98	6.188	6.73	6.34	6.198	3.51	2.468	1.368	-
	DEP	-	-	-0.70	-0.08	-0.05	-0.61	-1.10	-1.09	+0.64	-0.55	+0.41	+0.09	-
	WIND	-	-	697	618	515	445	267	431	364	469	496	461	-
STUTT GART 9 E5E	EVAP	1.118	1.788	3.348	4.858	5.218	5.77	5.678	6.24	5.93	3.60	3.028	1.378	47.89
	DEP	-0.16	+0.02	-0.08	+0.10	-0.70	-1.33	-1.75	-0.82	+0.75	-0.08	+0.94	+0.15	- 2.96
	WIND	1513	1765	2001	1448	1089	1014	921	8728	837	1458	2039	1418	16375

CHANGES IN STATION NAMES

<u>NEW NAME</u>	<u>OLD NAME</u>	<u>DATE</u>
Aplin 1 W	Aplin	January
Berryville 4 NW	Berryville	June
Denver 2 E	Denver	-
Hope 3 NE	Hope	January
Hot Springs 1 NNE	Hot Springs	-
Kingsland 3 SSE	Kingsland	-
Sparkman 4 E	Sparkman	April

RELOCATIONS

Aplin 1 W	Rain gage moved 0.7 mile W	January 1
Arkadelphia	Equipment moved 4 blocks W	March 2
Avon	Rain gage moved 0.1 mile ESE	December 15
Berryville 4 NW	Recording gage moved 4 miles NW	June 6
Berryville 4 NW	Standard rain gage moved 1500 feet WNW	November 16
Black Rock	Rain gage moved 0.2 mile NW	January 1
Blytheville	Equipment moved 0.9 mile NE	August 18
Boughton	Rain gage moved 600 feet W	January 1
Boughton	Rain gage moved 0.7 mile SW	June 27
Brinkley	Equipment moved 2 1/2 blocks S	April 6
Cove	Rain gage moved 150 feet N	August 13
Glenwood	Rain gage moved 1/2 mile NW	September 14
Grannis	Equipment moved 15 feet S	January 22
Hope 3 NE	Equipment moved 10 feet S	January 11
Malvern	Equipment moved 1 mile N	January 14
Marked Tree	Equipment moved 1/2 mile WSW	September 1
Mountain Home	Equipment moved 0.3 mile WNW	August 1
Perryville	Equipment moved 1/2 mile N	May 24
Perryville	Equipment moved 1 block S	August 5
Rison	Rain gage moved 2 1/2 blocks N	February 1
Stamps	Rain gage moved 100 feet W	August 10
Subiaco	Equipment moved 50 feet E & 100 feet N	May 26
West Fork	Recording gage moved 500 feet NE	August 3

See reference notes following Station Index.

STATION INDEX

ARKANSAS
1955

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Years of record		Opened or closed during yr.		Refer to tables	
							Temp.	Precip.	Month opened	Month closed									Temp.	Precip.	Month opened	Month closed		
ABBOTT	0066	SCOTT	1	35 04	94 12	624	14					KEO	3862	LONOKE	1	34 36	92 00	230	7	7			1 2 3	
ALICIA	0064	LAWRENCE	1	35 54	91 05	256	29					KINGSLAND	3904	CLEVELAND	3	33 50	92 16	214						C
ALUM FORK	0130	SALINE	1	34 48	92 52	755	18					LAKE CITY	3998	CRAIGHEAD	5	35 49	90 26	230						2
ALY	0136	YELL	3	34 47	93 29	854	13					LAMAR 2 SW	4019	JOHNSON	1	35 26	93 25	550						15
AMITY 3 NE	0150	CLARK	3	34 17	93 25	-	7					LANGLEY	4060	PIKE	3	34 19	93 51	-						11
ANTOINE	0178	PIKE	3	34 02	93 25	285	13					LEAD HILL	4106	BOONE	7	36 24	92 54	710	4	9				1 2 3
APLIN 1 W	0188	PERRY	1	34 58	93 00	400	11					LEE CREEK GUARD STA	4116	CRAWFORD	1	35 42	94 19	1000						1 2 3
APRLETON	0196	POPE	1	35 25	92 53	522	7					LEOLA	4134	GRANT	2	34 10	92 35	261						9
ARKADELPHIA	0220	CLARK	3	34 07	93 03	200	59	5				LITTLE ROCK WB AIRPORT	4248	PULASKI	1	34 44	92 14	257	75	75				1 2 3 C
ARKANSAS CITY	0234	DESHA	2	33 37	91 12	145	65					LITTLE ROCK FILT PL	4250	PULASKI	1	34 46	92 18	512						7
ASHDOWN	0286	LITTLE RIVER	4	33 40	94 08	329	11	11				LOST CORNER	4324	POPE	7	35 34	92 30	1550						7
ATHENS	0300	HOWARD	4	34 19	93 58	960	7					LOUVAN 2 SE	4332	UNION	3	33 22	92 46	130						2
AUGUSTA	0326	WOODRUFF	7	35 17	91 22	218	20					LURTON	4366	NEWTON	7	35 46	93 05	2007						2
BALD KNOB	0350	WHITE	7	35 38	91 34	230	7					MADISON	4378	ST FRANCIS	5	35 00	90 43	215	24					2
BATESVILLE LIVESTOCK	0458	INDEPENDENCE	7	35 49	91 47	571	14	14				MAGNOLIA 3 N	4348	COLUMBIA	4	33 19	93 14	315	38	38				1 2 3
BATESVILLE L AND D 1	0460	INDEPENDENCE	7	35 45	91 38	277	-	42				MAGNOLIA 5 N	4350	COLUMBIA	4	33 20	93 13	360						C
BEAR CREEK LAKE	0494	LEE	7	34 43	90 42	220						MALVERN	4362	HOT SPRING	7	34 33	92 27	311	7	7				1 2 3
BEATY LAKE	0512	ST FRANCIS	5	35 05	90 43	400	14					MAMMOTH SPRING	4572	FULTON	7	36 29	91 32	650	50	50				1 2 3
BEAVER	0516	CARROLL	7	36 28	93 46	930	10					MARIANNA 2 S	4638	LEE	5	34 44	90 45	234	43	43				1 2 3 C
BEEBE	0530	WHITE	7	35 04	91 53	250						MARKEE TREE	4758	POLK	5	35 32	90 25	229	50	50				1 2 3
BEECH GROVE	0534	GREENE	7	36 09	90 38	298	14					MARSHALL	4666	SEARCY	7	35 54	92 38	1050	36	36				1 2 3
BEDEVILLE	0536	JACKSON	7	35 26	91 06	221	15					MARVELL	4678	PHILLIPS	9	35 15	92 55	195						2
BENTON	0582	SALINE	6	34 33	92 37	285	26	26				MAUME	4696	SEARCY	7	36 03	93 39	749						2
BENTONVILLE	0588	BENTON	1	35 22	91 53	1295	49	49				MELBOURNE	4746	IZARD	7	36 04	91 54	610	10	10				2
BERRYVILLE 4 NW	0616	CARROLL	7	36 24	93 37	1150	14					MENA	4758	POLK	3	34 35	94 15	1207	66	66				1 2 3 C
BIG FLAT	0665	BAXTER	7	36 00	92 24	1250	8					MENTICELLO 3 S	4900	DREW	3	33 35	91 48	285	14	14				1 2 3 C
BIG FORK	0664	POLK	3	34 29	93 58	1100	11					MONTICELLO 4	4908	ASHLEY	3	33 19	91 29	125						2
BIG LAKE OUTLET	0678	MISSISSIPPI	5	35 51	90 08	-	10					MORDEY LOCK AND DAM NO B	4938	CALHOUN	3	33 19	92 27	85	15	15				2
BLACK ROCK	0746	LAWRENCE	7	36 07	91 06	259	53					MORRILLTON	4938	CONWAY	1	35 07	92 45	280	38	38				1 2 3
BLACKLEY MOUNTAIN DAM	0748	GARLAND	3	34 36	93 11	424	5					MOUNT IDA	4988	MONTGOMERY	3	34 33	93 38	683	55	55				1 2 3 C
BLUE MOUNTAIN DAM	0798	YELL	1	35 06	93 39	455	-					MOUNT MAGAZINE	5010	LOGAN	1	35 10	93 41	2800	7	7				1 2 3
BLUFF CITY	0806	NEVADA	5	35 56	89 55	252	29	29				MOUNTAIN HOME	5036	BAXTER	7	36 20	92 23	800	3	3				1 2 3
BLYTHEVILLE	0830	LOGAN	1	35 09	93 55	511	-	14				MOUNTAIN HOME C OF ENG	5046	STONE	7	35 52	92 08	768	15	15				1 2 3 C
BOONEVILLE	0842	VAN BUREN	7	35 39	92 30	1200						MOUNTAIN VIEW 1 W	5072	FRANKLIN	1	35 34	94 01	500						2
BOTKINSBURG	0848	NEVADA	3	33 52	93 20	235	20					MULBERRY 6 NNE	5174	PIKE	3	34 14	93 50	870						3
BOUGHTON	0872	WHITE	7	35 25	91 28	240	10					NARROWS DAM	5110	PIKE	3	34 10	93 43	425	5	5				1 2 3 C
BRADFORD	0936	MONROE	9	34 24	91 15	205	64					NASHVILLE PEACH SUBSTA	5112	HOWARD	4	33 57	93 31	375						1 2 3 C
BRINKLEY	1010	NEWTON	7	35 52	93 30	-	7					NASHVILLE SCS	5114	HOWARD	4	33 57	93 31	375						2
BUFFALO TOWER	1020	BAXTER	7	36 22	92 34	460						NATHAN 4 WNW	5158	HOWARD	9	32 07	93 52	550						2
BULL SHOALS DAM	1052	MISSISSIPPI	2	35 49	89 57	240	11					NEWHOPE 3 E	5174	PIKE	3	34 14	93 50	870						2
BURDETTE	1102	PULASKI	7	34 57	92 04	289	11					NEWPORT	5186	JACKSON	7	35 36	91 17	225	71	71				1 2 3
CABOT 4 SW	1132	IZARD	7	36 08	92 08	400	50					NIMROD DAM	5200	PERRY	1	34 57	93 10	470	13	13				1 2 3 C
CALICO ROCK	1132	IZARD	7	36 08	92 08	400	50					NORFORD DAM	5228	BAXTER	7	36 15	92 15	425						C
CAMDEN 1	1154	OUACHITA	3	33 36	92 49	114	65	65				ODELL	5334	WASHINGTON	1	35 48	94 24	1500						2
CAMDEN 2	1154	OUACHITA	3	33 35	92 51	155						ODEN	5358	MONTGOMERY	3	34 38	93 48	800	27	27				2
CAMP CHAFFEE	1172	SEBASTIAN	1	35 18	94 18	419	13	13				OKAY	5376	HOWARD	4	33 46	93 53	300	26	26				1 2 3
CANAAN	1188	SEARCY	7	35 52	92 44	-	15					OSCEOLA	5480	MISSISSIPPI	2	35 43	89 58	250	54	54				2
CARLISLE 1 SW	1224	LONoke	9	34 47	91 45	235	15					OWENSVILLE	5498	SALINE	3	34 37	92 49	500	11	11				1 2 3
CARPENTER DAM	1238	GARLAND	3	34 27	93 01	-	51					OWENSVILLE	5508	FRANKLIN	1	35 38	93 27	1900	59	59				2
CLARENDON	1442	MONROE	7	34 41	91 18	172	51					OZONE	5514	JOHNSON	1	35 38	93 27	1900						JULY
CLARKSVILLE	1455	JOHNSON	1	35 28	93 28	436	2	2				PARAGOULD	5562	GREEN	5	36 04	90 29	275	31	31				1 2 3
CLINTON	1492	VAN BUREN	7	35 35	92 28	510	33					PARIS	5576	LOGAN	1	35 18	93 45	-	24	24				1 2 3
COLD SPRINGS	1520	SCOTT	3	34 58	93 54	1250	14					PARKIN	5586	CROSS	5	35 10	90 35	222						2
COMBS 3 SE	1574	MADISON	7	35 48	93 48	1400						PARTHENON	5602	NEWTON	1	35 57	93 15	925						1 2 3 C
COMPTON	1582	NEWTON	7	36 06	93 18	2166						PERRYVILLE	5624	PERRY	1	35 00	92 49	325	15	15				2
CONWAY	1596	FAULKNER	1	35 05	92 27	309	71	71				PINE BLUFF	5754	JEFFERSON	1	34 12	92 00	215	67	67				1 2 3 C
CORNING	1632	CLAY	7	36 24	90 35	293	61	61				PINE BLUFF CAA AP	5756	JEFFERSON	1	34 10	91 56	205	-	-				1 2 3
COTTER	1640	BAXTER	7	36 17	92 31	440	27					PINE RIDGE	5760	MONTGOMERY	3	34 35	93 54	840	30	30				2
COVE	1646	POLK	4	34 28	94 25	1050	-					POCAHONTAS 1	5820	RANDOLPH	7	36 16	90 59	330	61	61				1 2 3
CROSSETT 7 S	1730	ASHLEY	3	33 02	91 56	175	32	32				PORTLAND	5866	ASHLEY	3	33 14	91 30	122	48	48				1 2 3
CRYSTAL VALLEY	1750	PULASKI	1	34 42	92 26	350	11					PRESBURY	5908	NEVADA	3	33 48	93 23	318	65	65				1 2 3
CUMMINS FARM	1768	LINCOLN	1	34 08	91 35	176	11	11				PRESBURY SCS	5910	NEVADA	3	33 48	93 23	318						2
DAISY	1814	PIKE	3	34 14	93 45	629	13					PYATT	5970	MARION	9	36 16	92 31	800						C
DAMASCUS	1829	FAULKNER	1	35 22	92 25	705	2					RATCLIFF	6008	HARLAN	1	35 18	93 53	463	10	10				2
DANVILLE	1834	YELL	1	35 05	93 24	370	39					RAVANA	6016	MILLER	4	33 04	94 02	250						C
DANVILLE SCS	1835	YELL	1	35 04	93 24	370	69	69				REHMET DAM	6102	HOT SPRING	3	34 26	92 54	-						C
DARDANELLE	1838	YELL	1	35 13	93 09	330	69	69				RISON	6174	CLEVELAND	3	33 57	92 11	231						

REFERENCE NOTES

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 Table 4. The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state. 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 in the June and December issues of Climatological Data.

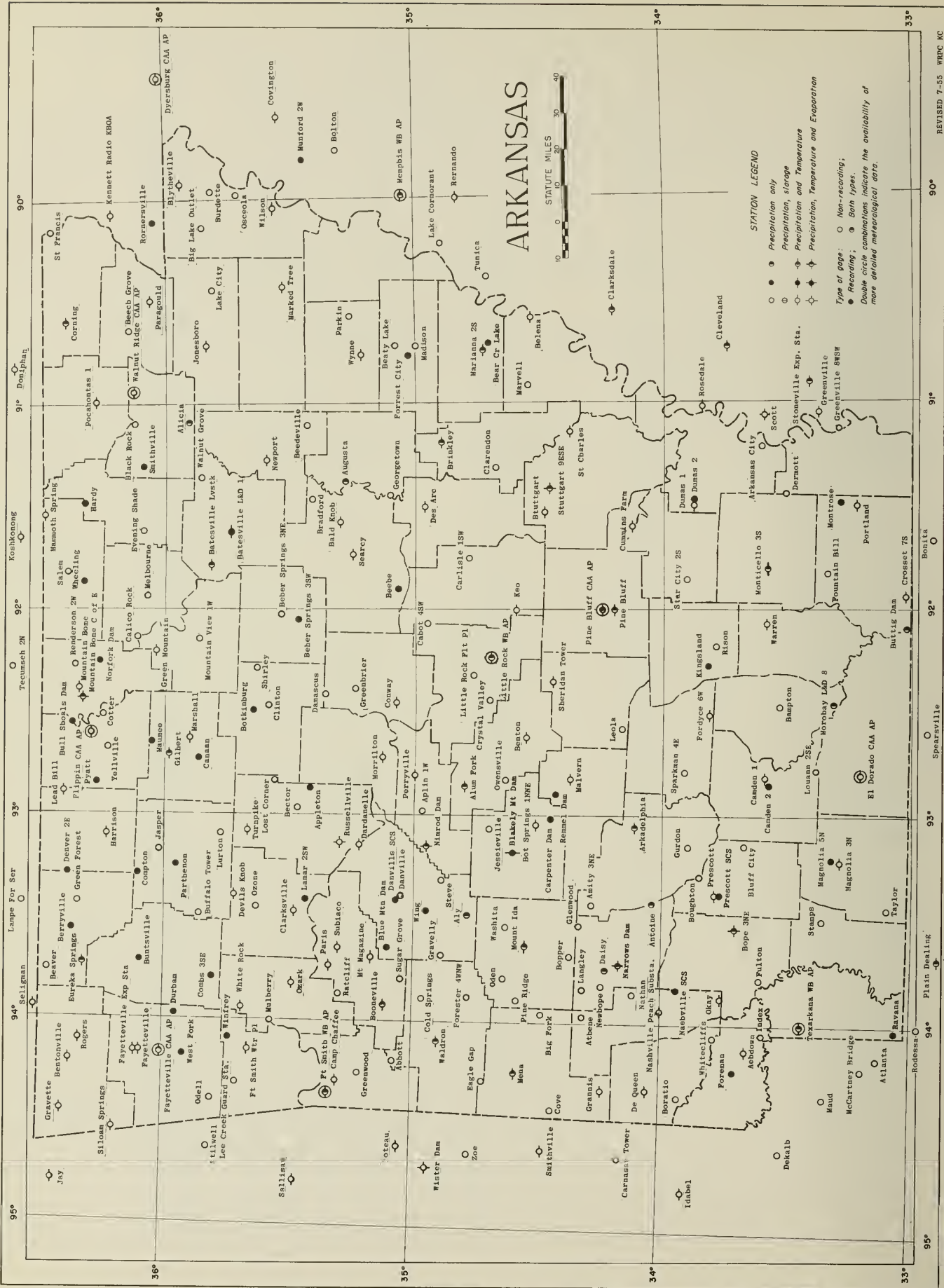
Data for recorder stations denoted by "C" are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".

Additional information regarding the climate of Arkansas may be obtained by writing to any Weather Bureau Office or to the State Climatologist at Weather Bureau Airport Station, Box 1819, Little Rock, Arkansas.

- No record.
- + Also later date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with a windshield.
- # 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.
- B Adjusted to full month.
- E Amount is wholly or partially estimated.
- M Less than a complete month of record available; if average value is entered, less than 10 days of record are missing; see monthly Climatological Data for detailed daily record.
- 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.)
- T Trace, an amount too small to measure.
- V Includes total for previous month.

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.

NWRC, Asheville, N. C. -- 3-5-56 -- 1155

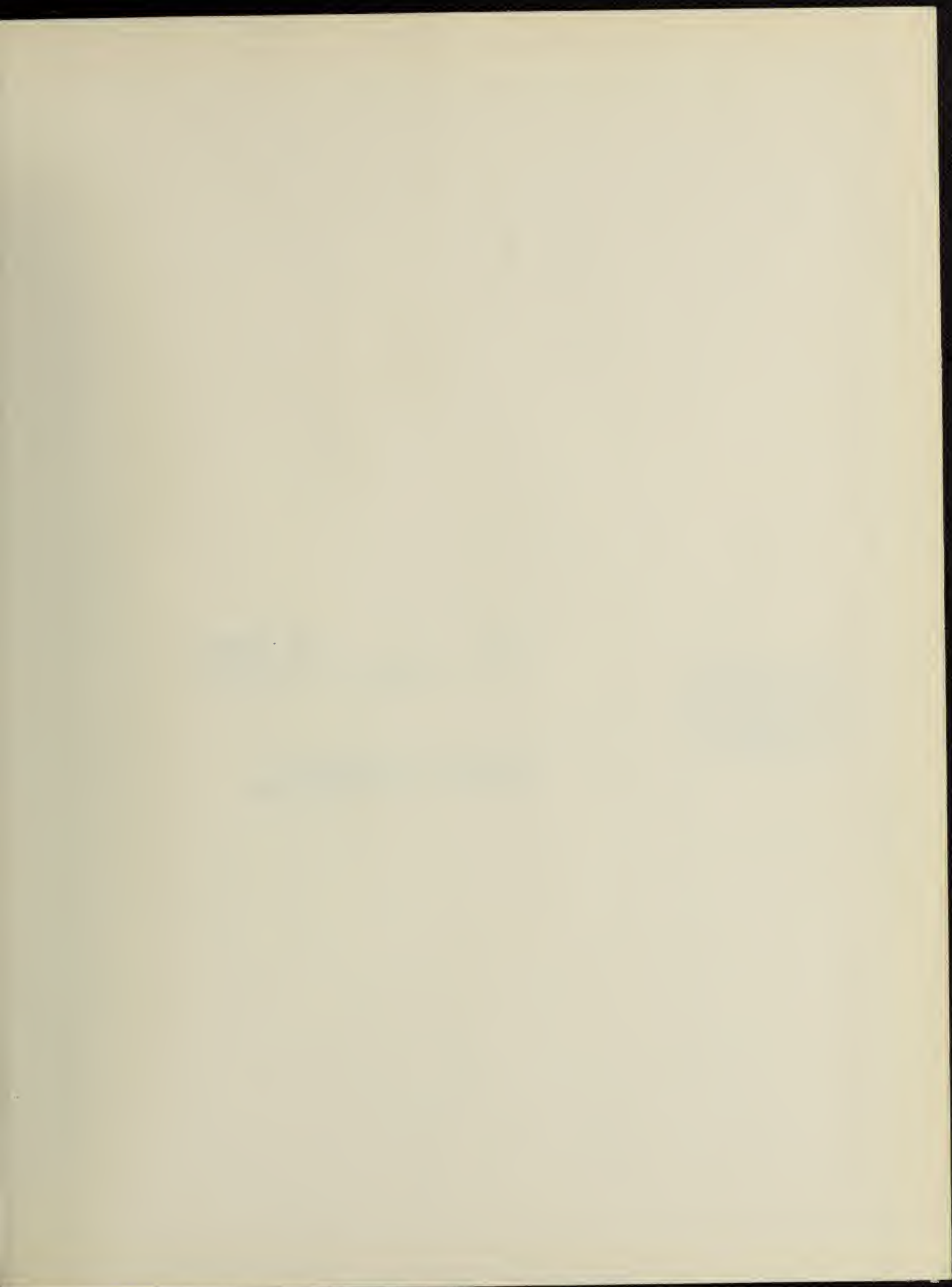


ARKANSAS

STATUTE MILES
0 10 20 30 40

STATION LEGEND

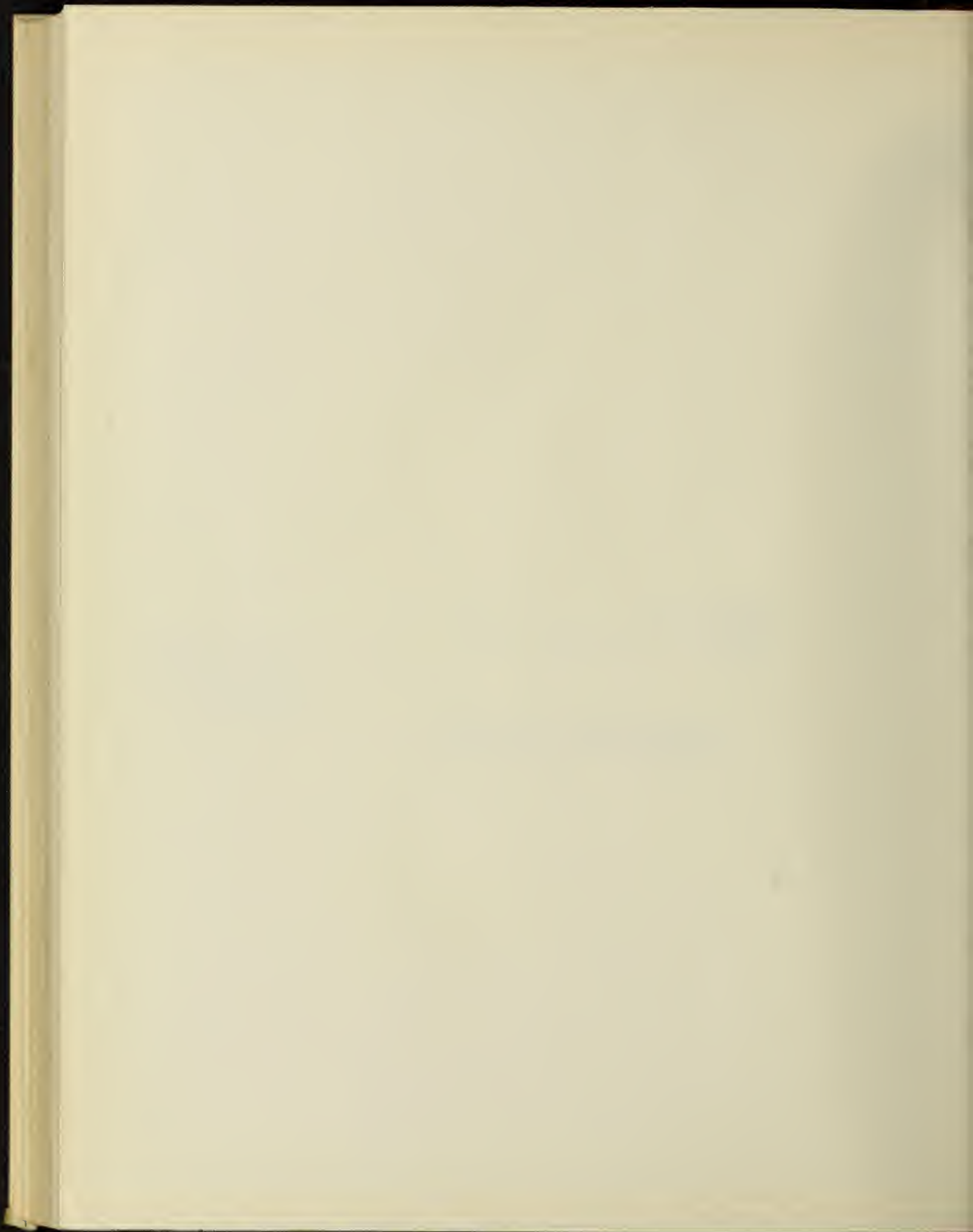
- Precipitation only
 - Precipitation, storage
 - Precipitation and Temperature
 - Precipitation, Temperature and Evaporation
- Type of gage: ○ Non-recording;
● Recording; ○ Both types.
Double circle combinations indicate the availability of more detailed meteorological data.

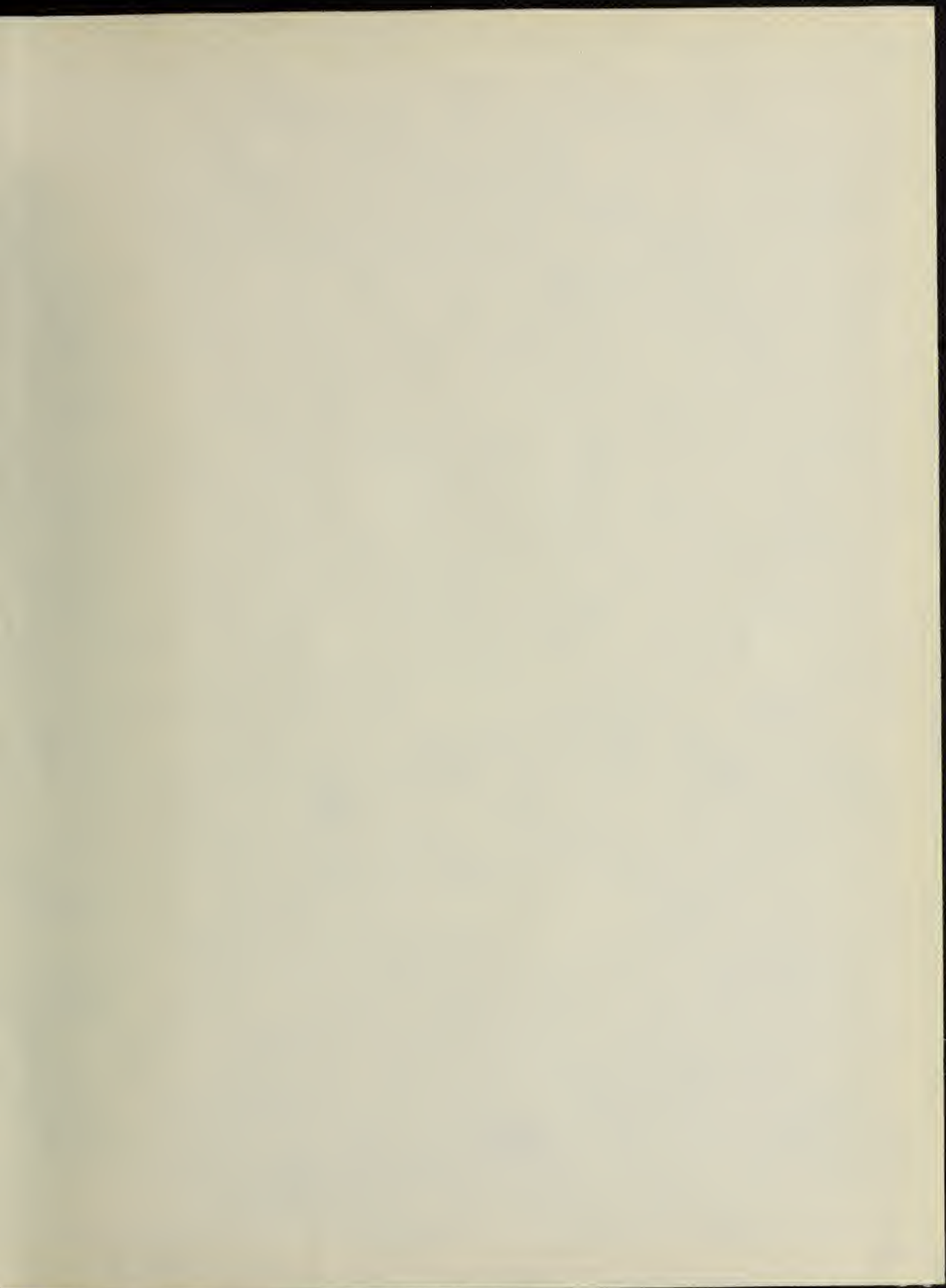


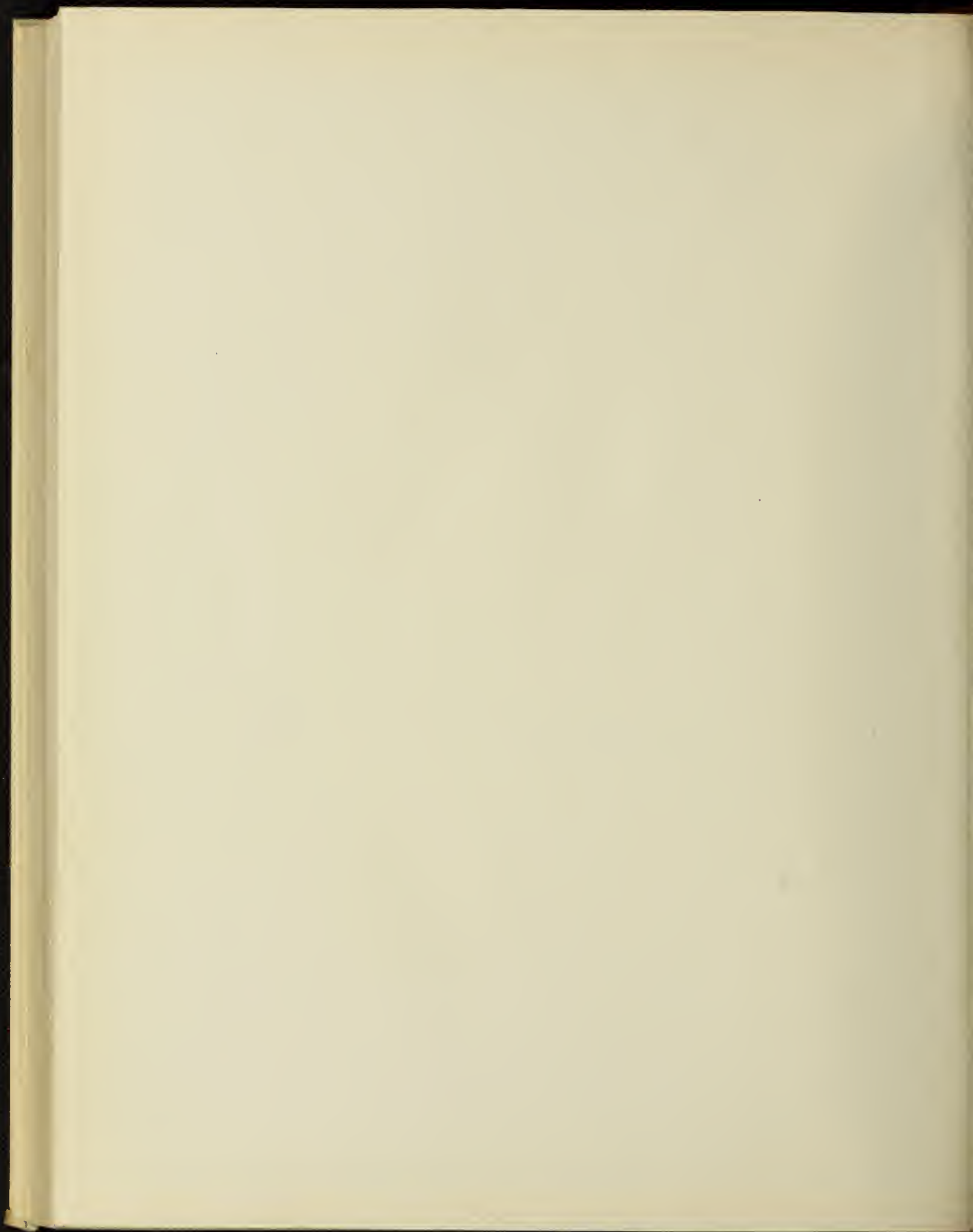
DOCUMENTS DIVISION
UNIVERSITY OF ILLINOIS LIBRARY
URBANA, ILL.
03

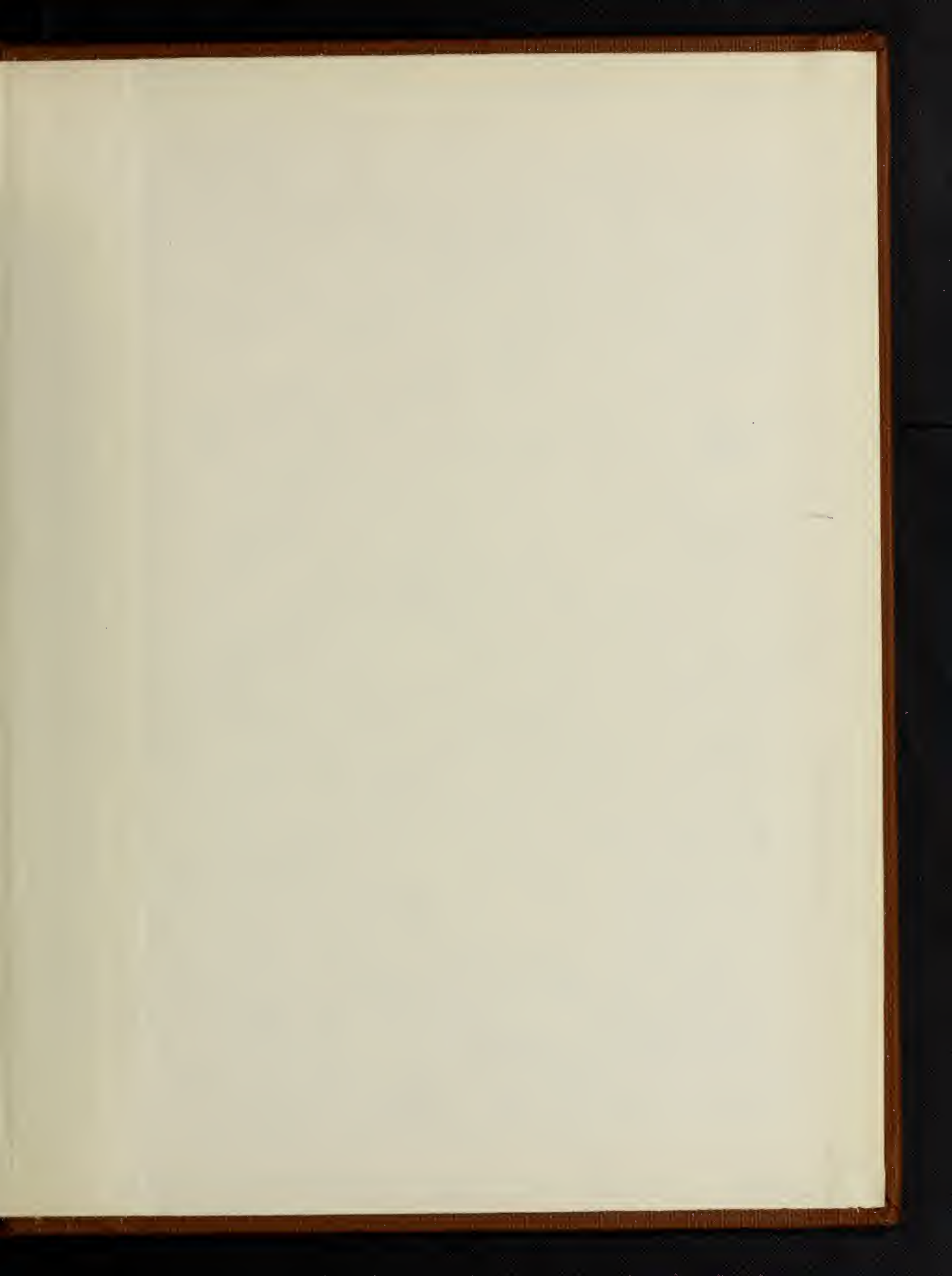
U.S. Department of Commerce WEATHER BUREAU NWS-ASheville, N. C.	OFFICIAL BUSINESS Form No. 1021
---	------------------------------------

U.S. Department of Commerce Weather Bureau OFFICIAL BUSINESS Penalty for private use to avoid payment of postage, ten times the amount of postage paid.	REMITTANCE
--	------------

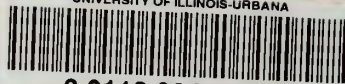








UNIVERSITY OF ILLINOIS-URBANA



3 0112 084236659