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The 163rd Continuous Year of Publication

No.
CLXIII

SPRING

SUMMER.

THE

OLD

FARMER'S

1955

ALMANAC

BY

ROBERT B. THOMAS



AUTUMN.



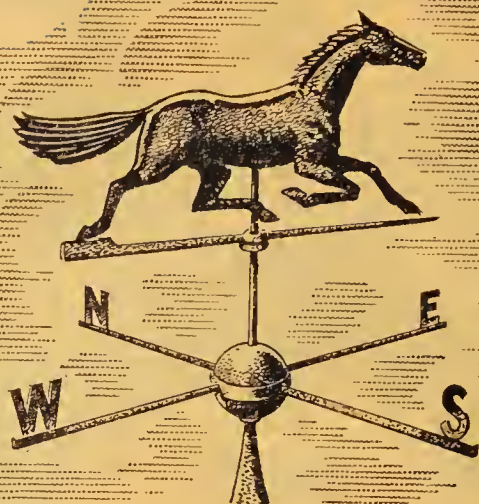
WINTER.

Nichols Sc

Price 25 Cents

THIS IS THE ORIGINAL ROBT. B. THOMAS FARMER'S ALMANAC FIRST ISSUED IN 1792 FOR THE YEAR 1793.

Weather Forecast, Planting Tables.



The long term forecast

The long term forecast is like life. It has its uncertainties. But it also has its certainties. And in no way can those certainties be set aside. One is the eventual advent of the twilight days, and the certainty that the time to provide for them is in the spring and summer of our lives.

Helping people to provide for the twilight days is an important part of our business. Any John Hancock agent will welcome the privilege of discussing this sort of provision with you. It could be to your ultimate and lasting advantage.

John Hancock
MUTUAL LIFE INSURANCE COMPANY
BOSTON, MASSACHUSETTS



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ROBIN LIFE-CYCLE.



WHAT COOKS FOR 1955—HUH?

Number One Hundred and Sixty-three.

THE
(OLD)
FARMER'S ALMANACK,

CALCULATED ON A NEW AND IMPROVED PLAN
FOR THE YEAR OF OUR LORD

1955

Being 3rd after BISSEXTILE or LEAP YEAR, and (until July 4)
179th year of American Independence

FITTED FOR BOSTON, AND THE NEW ENGLAND STATES, WITH SPECIAL CORRECTIONS AND CALCULATIONS TO ANSWER FOR ALL THE UNITED STATES.

Containing, besides the large number of Astronomical Calculations and the Farmer's Calendar for every month in the year, a variety of

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1792

BY ROBERT B. THOMAS.



.....The Seasons come
Duly as they are wont, the gentle Spring
And the delicious Summer, and the cool,
Rich Autumn, with the nodding grain;
And Winter, like an old and hoary man,
Frosty and stiff. Let God
Have praises for a well completed Year.

Wallis (OFA, 1855)

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ROBERT HAYNES, MRS. ALTON P. SWAN,
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TO PATRONS AND CORRESPONDENTS

This is the 163rd consecutive annual edition of The Old Farmer's Almanac(k). It is for the year 1955, or Atomic Year 11. Last year's edition again enjoyed the largest paid almanac news stand sale in the world. For those who were unable to obtain copies we are once more adding to the news stand supply.

Our new President, Mr. Eisenhower, has skillfully guided us through storms and doldrums to an harbor of peace. The hurricanes of Communism still rage without—forces we can not combat in areas at least in which our Allies are apparently willing to exchange flesh and blood and principles for trade. It will be a sorry conclusion if the waves of these tawdry exchanges are to undermine the solid rock of the United Nations to a point at which it no longer serves any useful purpose.

In the meanwhile, it becomes increasingly difficult in an age of commentators and columnists to differentiate party fiction and rumor and bias from fact. This condition, as Isaac D'Israeli wrote in 1835, is a "retrograde step for the independent dignity of literature." Those whose support Mr. Eisenhower enjoys are certainly doing him no great favor in the distortion of the facts regarding his able administration at home and abroad—for any emotional, political, or other reasons.

The "common man"—or "man-in-the-street"—about whom we hear precious little these days we find submerged under the waves of our present-day "managed" economy. He has plainly not forgotten either his service days' training of obeying, without question, those in authority. Rather feebly (see Page 91—The H-Bomb and the Weather), in this issue we express the hope that all the "sass and pepper" has not been taken out of the American melting pot as yet—and that this article may serve to put a little of it back in again.

As in other years, Benjamin Rice, David Morton, Loring Andrews, and Nancy Dixon have been of invaluable help to us in the preparation of the Farm Calendars, Poetry, Astronomy, and Recipes. We have drawn on back copies of the famous old Harper's Weekly for our prints of Old Fashioned Winters—pages 83-85.

Governmental, private, and quasi-public sources have been used with the permission and courtesy of numerous authorities in these pages. We urge once more that a careful study of this Almanac will be found rewarding. Much goes into it and it is planned for the full enjoyment of our all too short stay on this amazing planet.

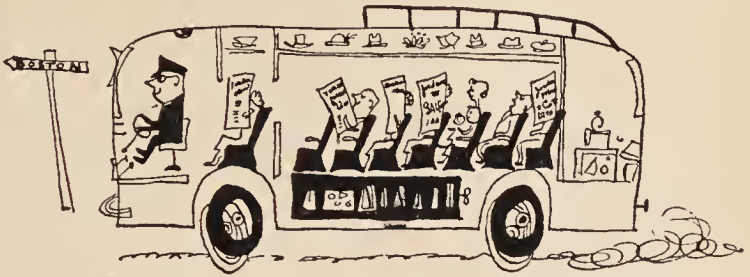
Miss D.R.T., Helena, Montana: Yes, experiments have been conducted for some time now with regard to the propagation of children by artificial insemination—now in wide use among cattle breeders. And, at least one accredited scientist writes in his book that he believes creation of life may eventually be brought about without the help of God. If man's future existence is to be without God, and without sex, too, we agree with you we may as well make the best of this lowly existence we enjoy today. Mr. A.B.C., Trenton, N.J.: Yes, there is a self-confessed imitation of the name of this Almanac down your way. The name of this Almanac way back in 1793 was The Farmer's Almanac. We are not, however, losing any sleep over it. Mrs. V.H., Burlington, Vt. It is not true that Abraham Weatherwise received an Honorary Degree from Harvard for his rhymed(?) weather forecasting verses this past year. On the contrary, Abe granted one to Harvard for its amazing record of never, since 1635, having picked a rainy day for its commencement exercises.

In conclusion, it is beyond our capacity to deliver adequately our full thanks to the very many whose interest continues in the welfare of this publication. We trust our efforts in this direction may continue to deserve your past and present confidence. Man, however, in these things can only propose. God is the true disposer. In this then it is by our works and not our words we would be judged. These we hope will sustain us in the humble, though proud, station we have so long held, in the name of

Your ob'd servant,

Wm. O. Thomas.

August 16, 1954



. . . ON TO BOSTON

You'll enjoy shopping New England's largest store for New England's largest assortments.

Travellers find that a visit to Boston isn't complete until you've visited Jordan Marsh. We'll cater to your needs be it a small gift or a suite of furniture.

Browse through our store . . . you'll find everything for yourself, your family, your home.

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BOSTON, MASS.

ECLIPSES FOR THE YEAR 1955

There will be three eclipses during 1955, two of the Sun and one of the Moon. No one of these eclipses will be visible from points in the United States.

I. **A Total Eclipse of the Sun, June 19, 1955.** This eclipse is primarily visible from Southeast Asia. The path of totality starts in the Indian Ocean about 600 miles northeast of Madagascar, crosses the island of Ceylon, Thailand, Indo-China and the central Philippines before sweeping out into the south Pacific Ocean along a path just north of the Marshall Islands to an end point about 300 miles northwest of the Fijis. The partial phases of the eclipse will be generally visible from Ethiopia, the Somalilands, Arabia, India, China, Japan, Southeast Asia, the Philippines, New Guinea and all but the southern half of Australia.

II. **A Partial Eclipse of the Moon, November 29, 1955.** This eclipse will be generally visible at its beginning to observers in the Arctic, Europe except the extreme southwestern part, the eastern part of Africa, Asia, the Indian Ocean, Australia, New Zealand, the western part of the Pacific Ocean, Alaska and the extreme northern section of Canada. Its ending will be visible generally in the Arctic regions, Europe, Africa, except the extreme northwestern part, Asia, the Indian Ocean, Australia, the northwestern part of the Pacific Ocean, Alaska, and the extreme northern section of Canada.

III. **An Annular Eclipse of the Sun, December 14, 1955.** This solar eclipse parallels in visibility the first eclipse of the year, that of June 19, except that the region of visibility is shifted to the north and west. The path from which the annular phase is visible begins at the extreme northwest corner of the Sudan, crosses Ethiopia and Somaliland before crossing the Indian Ocean south of Ceylon to touch land again at Siam. Thence it crosses Indo-China and skirts the China coast, passing over Taiwan, to end about 150 miles east of that island. The partial phases of the eclipse are generally visible from Central and Northeast Africa, Madagascar, the Middle East, India, the U.S.S.R., China, Southeast Asia, Japan and the Philippines.

OCCULTATIONS, 1955

Observers in the northern tier of the United States in the Central and Mountain Standard time belts will be able to see Mars occulted by the Moon on the evening of April 24, 1955. The occultation will begin at about 8.30 P.M.C.S.T. and about an hour earlier for those living in the Mountain Standard time zone. The occultation will last about an hour. Naked eye observers in the American northwest will generally be able to see only the end of the occultation, since its start will occur too near sunset for the sky to have darkened sufficiently.

EARTH IN PERIHELION AND APHELION, 1955

The Earth will be in Perihelion on January 4, 7 A.M., distant from the Sun 91,315,000 miles. The Earth will be in Aphelion on July 4, 5 P.M., distant from the Sun 94,420,000.

VENUS, MARS, JUPITER AND SATURN 1955.

Below are given the time of the rising or setting of the Planets named, on the first, eleventh and twenty-first of each month. The time of the rising or setting of any one of said Planets between the days named may be found with sufficient accuracy by interpolation. For explanation of keys (used in adjusting times given to your town) see page 100.

1955	VENUS			Key	MARS			Key	JUPITER			Key	SATURN			Key	
		h	m			h	m			h	m			h	m		
JANUARY	1st	rises	3 37	A.M.	M	sets	10 15	P.M.	H	rises	5 30	P.M.	D	rises	3 03	A.M.	M
"	11th	"	3 38	A.M.	M	"	10 12	P.M.	I	rises	4 45	P.M.	D	"	2 28	A.M.	M
"	21st	"	3 44	A.M.	M	"	10 10	P.M.	I	sets	6 58	A.M.	N	"	1 52	A.M.	M
FEBRUARY	1st	rises	3 54	A.M.	N	sets	10 07	P.M.	J	sets	6 10	A.M.	N	rises	1 12	A.M.	M
"	11th	"	4 03	A.M.	N	"	10 05	P.M.	K	"	5 27	A.M.	N	"	12 35	A.M.	M
"	21st	"	4 10	A.M.	N	"	10 02	P.M.	K	"	4 44	A.M.	O	"	11 52	P.M.	M
MARCH	1st	rises	4 13	A.M.	N	sets	10 00	P.M.	L	sets	4 11	A.M.	O	rises	11 21	P.M.	M
"	11th	"	4 14	A.M.	M	"	9 57	P.M.	L	"	3 50	A.M.	O	"	10 41	P.M.	M
"	21st	"	4 11	A.M.	L	"	9 54	P.M.	M	"	2 51	A.M.	O	"	10 00	P.M.	M
APRIL	1st	rises	4 05	A.M.	L	sets	9 50	P.M.	N	sets	2 09	A.M.	O	rises	9 15	P.M.	M
"	11th	"	3 55	A.M.	K	"	9 46	P.M.	N	"	1 32	A.M.	O	"	8 33	P.M.	M
"	21st	"	3 45	A.M.	J	"	9 41	P.M.	O	"	12 56	A.M.	N	"	7 50	P.M.	M
MAY	1st	rises	3 33	A.M.	I	sets	9 35	P.M.	O	sets	12 21	A.M.	N	rises	7 03	P.M.	L
"	11th	"	3 21	A.M.	H	"	9 28	P.M.	O	"	11 43	P.M.	N	sets	4 43	A.M.	F
"	21st	"	3 11	A.M.	G	"	9 19	P.M.	O	"	11 09	P.M.	N	"	4 01	A.M.	F
JUNE	1st	rises	3 01	A.M.	F	sets	9 07	P.M.	O	sets	10 32	P.M.	N	sets	3 16	A.M.	F
"	11th	"	2 56	A.M.	E	"	8 55	P.M.	O	"	9 59	P.M.	N	"	2 35	A.M.	F
"	21st	"	2 56	A.M.	D	"	8 40	P.M.	O	"	9 26	P.M.	N	"	1 54	A.M.	F
JULY	1st	rises	3 01	A.M.	C	sets	8 24	P.M.	O	sets	8 53	P.M.	N	sets	1 13	A.M.	F
"	11th	"	3 11	A.M.	C	"	8 06	P.M.	N	"	8 20	P.M.	N	"	12 33	A.M.	F
"	21st	"	3 28	A.M.	C	"	7 46	P.M.	N	"	7 47	P.M.	M	"	11 50	P.M.	F
AUGUST	1st	rises	3 51	A.M.	D	sets	7 23	P.M.	M	sets	7 11	P.M.	M	sets	11 07	P.M.	F
"	11th	"	4 14	A.M.	E	sets	7 01	P.M.	M	rises	4 18	A.M.	E	"	10 28	P.M.	F
"	21st	rises	4 39	A.M.	F	rises	4 48	A.M.	F	"	3 50	A.M.	E	"	9 50	P.M.	F
SEPTEMBER	1st	sets	6 30	P.M.	K	rises	4 41	A.M.	F	rises	3 19	A.M.	E	sets	9 08	P.M.	F
"	11th	"	6 15	P.M.	J	"	4 35	A.M.	G	"	2 51	A.M.	E	"	8 31	P.M.	F
"	21st	"	6 02	P.M.	I	"	4 29	A.M.	H	"	2 22	A.M.	F	"	7 53	P.M.	E
OCTOBER	1st	sets	5 50	P.M.	H	rises	4 22	A.M.	H	rises	1 52	A.M.	F	sets	7 17	P.M.	E
"	11th	"	5 38	P.M.	G	"	4 15	A.M.	I	"	1 22	A.M.	F	"	6 40	P.M.	E
"	21st	"	5 29	P.M.	F	"	4 09	A.M.	I	"	12 51	A.M.	F	"	6 04	P.M.	E
NOVEMBER	1st	sets	5 23	P.M.	E	rises	4 02	A.M.	J	rises	12 16	A.M.	F	sets	5 25	P.M.	E
"	11th	"	5 22	P.M.	D	"	3 55	A.M.	K	"	11 40	P.M.	F	sets	4 49	P.M.	E
"	21st	"	5 28	P.M.	C	"	3 49	A.M.	K	"	11 05	P.M.	F	rises	6 16	A.M.	M
DECEMBER	1st	sets	5 39	P.M.	C	rises	3 43	A.M.	L	rises	10 29	P.M.	F	rises	5 43	A.M.	M
"	11th	"	5 57	P.M.	C	"	3 37	A.M.	L	"	9 52	P.M.	F	"	5 09	A.M.	M
"	21st	"	6 19	P.M.	D	"	3 32	A.M.	M	"	9 12	P.M.	F	"	4 36	A.M.	M
"	31st	sets	6 44	P.M.	D	rises	3 26	A.M.	M	rises	8 32	P.M.	F	rises	4 01	A.M.	M

MORNING AND EVENING STARS, 1955

(A Planet is called Morning Star when it is above the horizon at sunrise, and Evening Star when it is above the horizon at sunset.

Mercury will be favorably situated for being seen as an Evening Star when near its greatest eastern elongations about January 28, May 21 and September 18. On these dates it will set 1 h. 35 m., 1 h. 57 m., and 0 h. 45 m., respectively, after sunset. It will be seen as Morning Star when near its greatest western elongations about March 10, July 9 and October 29, on which dates it will rise 1 h. 01 m., 1 h. 20 m., and 1 h. 38 m., respectively, before sunrise.

Venus adorns the eastern sky as a Morning Star until September 1 when it comes to superior conjunction. For the balance of the year it is to be seen as an Evening Star in the western sky. The planet will be at its brightest as the year opens, diminishing in brightness thereafter to its faintest brilliance during May and June. After a slight rise in brightness to a second peak about September 1, it fades slightly again thereafter to a second minimum through November and December, brightening again just as the year ends.


Mars is an Evening Star as the year begins and remains so until it reaches conjunction on August 16. Thereafter it is to be seen as a Morning Star until the year's end. Mars will not be spectacularly brilliant during the year, but its faintness is merely an interlude between its brilliance in 1954 and the brilliance it will reach again in August, 1956, when it makes the nearest approach to the earth since 1939.

Jupiter is a Morning Star during two periods of the year, for the year's first fifteen days, and from August 4 to the end of the year. In between, from January 15 to August 4, it is an Evening Star, visible after sundown.

Saturn, like Jupiter, is to be seen as a Morning Star before sunrise during two periods of the year, from the year's beginning to May 9 and from November 16 to the year's end. From May 9 to November 16 it will be an Evening Star to be seen in the sky after sunset.



**The season
for saving lasts
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 **LOW INITIAL COST** is your first saving when you buy a Ford . . . and you go right on saving all year 'round. Take Ford Cars, for example. They return *more* of their original cost at trade-in time than any other make . . . cost you less to own in the long run. And, when it comes to downright economical hauling, only Ford *Triple Economy* Trucks save in the three prime savings areas of truck operation . . . Gas-Saving Power, Driver-Saving Ease, and Trip-Saving Capacities!

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NEXT WINTER'S WEATHER

(Nov., Dec., 1954, and Jan., Feb., Mar., 1955)

"COLD, WINDBOUND, AND EXCEPT IN BIG CITIES, WHITE."
N.B. Next winter will continue to accentuate the present trend away from mild and warm winters.

NOVEMBER: Early snow, early Indian Summer (5-11th), snow for Thanksgiving north of Boston, then a bad easterly storm along Atlantic Coast (26th-30th). Blizzards in West at the same time.

DECEMBER: Boisterous and windy first week, then bitter cold with some snow flurries for two weeks . . . and a white Christmas north of Washington, D.C.

JANUARY: Full storm during first week (possibly worst of the winter), followed by two weeks of cruel cold, a thaw, then another storm but not as bad as the first one.

FEBRUARY: A fine big blizzard during the first ten days which will keep the ski lodges open all month. Fine and clear—15 to 21st.

MARCH: Last good snow of the winter (1-7th) . . . which will soon disappear and will be followed towards end of the month with heavy rains and bad floods.

The summer and spring of 1955 do not seem to contain any particularly newsworthy variations from normal. The Fall however indicates possibly at least one hurricane . . . and all the characteristics which would precede a very heavy winter season—including early cold and snow.

For full details see italics coursing down the pages 13-35 next to the Farm Calendars.

HOLIDAY WEEKENDS

Of the eleven so-called holiday weekends (there are more when one adds State Holidays outside of New England—see page 81) seven will afford vacationers three day trips or more in the country (or city.) Dates, Days of Week, and anticipated weather for each follow: Feb. 12, Lincoln's, Saturday, Clear; Feb. 22, Washington's, Tuesday, Fine; April 19, Patriots', Tuesday, Nice; April 25, Fast (N.H.), Monday, ?; May 30, Memorial Day, Monday, Rain; June 17, Bunker Hill, (Mass), Friday, Nice; July 4, Monday, Showers; Sept. 5, Labor Day, Monday, Mild; Oct. 12, Columbus Day, Wednesday, Fine; November 24, Thanksgiving, Stormy; December 25, Christmas, White.

LAST WINTER'S WEATHER

(Nov., Dec., 1953, Jan., Feb., Mar. and part of Apr., 1954)

According to U.S. Weather Bureau experts, the storm of November 6-7, 1953, was "the most difficult type of all storms to predict." Following, as it did, a stormy Labor Day on which Abe Weatherwise also stood alone in his forecasting glory, very few felt the old gray-beard could possibly maintain such an excellent average throughout the winter. However, just as he had forewarned: the mild fine weather of November 12-22: the storm of the 25th; the green Christmas Day; and the cold January came. Mixed rain, sleet, and snow blew in just at Abe's deadline on Feb. 17 but spoiled his all high perfect record by not being just snow to disappoint, as well, all except northernmost ski resort owners. March was the rampage in most places, as was April's first week, that Abe's calendar called for.

But what of his overall "N.B. The considered opinion of many authorities that winters are growing milder will not be exemplified . . ."? Can he quibble with the Woolly Bears now taking credit for what they call a "Mild" last winter . . . or Harvard's venerable Blue Hill Observatory which states "The winter was a mild one (as expected)"? Here are his own words on this subject.

"'Open' is a better word than 'mild' to describe last winter's weather. The temperature average actually was several degrees colder than the winter before. At Dedham, Massachusetts, which is within a few miles of my forecasting base, there was continuous outdoor skating from January 4 through February 19—something which has not happened since 1941. Much of the evidence used heretofore by these mild winter protagonists—such as the unfrozen White Sea of Russia, warm temperatures around Spitzbergen, (it snowed in Jerusalem, Dec. 23rd; Morocco had its first snowfall in 35 years receding glaciers, etc., etc.,) certainly fell into a large cocked hat this past winter . . . which carried also for a feather the establishment of a new all time low temperature record for the U.S. continent at Rogers Pass, Montana, January 20, 1954 (69.7 deg. below zero).

THE "OFFICIAL" OFA THERMOMETER

HEAT RECORDS, COLD RECORDS, AND ALL KINDS OF USEFUL
TEMPERATURE INFORMATION INCLUDING WHEN TO EXPECT THE BEES &
BIRDS AND BUDS.

ADDITIONS AND CORRECTIONS WELCOME.

Highest Temp. Sun's Rays London-154

The earth warms up one degree
with each 75 feet of depth.

Temperature varies 1.1. degree
with each degree of Latitude.

* Means Blood Temperature

Tallow melts at 127 Deg.

• Man's & Reptiles' Temp. Limit 113

• Hyperpyrexia sets in (excess fever) 106

At E. Boston August 10, 1949 101

At New York City June 16, 1945 95

Even honey bees are amiable 85

• Monkey's artificial hibernation T. 77

At Washington D.C. Jan. 28, 1949 73

SUMMER 68

Average temp. ocean surface 63.3

Every habitable latitude enjoys
this temp. for at least two months.

Normal for Florida in January 55.4

Best health & bedroom temp. SPRING 50

Rickety trees need 45 deg. avg. temp 47

or above. Spruce like it colder.

Coldest water ever gets w. e. ice 39.9

Look for rooine. & Canadian Geese. 35

Water freezes. see to WINTER 32

pipes & car antiliresa

Mean Temp. of North & South poles 31

Frosts occur in New England anytime
after Labor Day... and in other north
climes not over a week later.

Normal for No. Dakota in January 6.3

At Salem, Massachusetts 1/19/1910 5

Draw off your applejack.

At New York City Feb. 9, 1934 14.3

At Concord, N.H. Feb. 6, 1824 19

At Hanover, N.H. Jan. 8, 1823 26 below

At Portland, Maine in 1847 25

At St. Johnsbury, Vt. Feb. 1, 1851 37

On Mt. Washington Jan. 29, 1934 45.5

On Mt. Washington Feb. 15, 1943 46.4

At Poplar River, Mont. US Rec-1885 63

At altitude 35,332 when sea-level
temp. was 59-above. 67

At Sneg, North America 2/2/1947 81

Even salt will freeze now.

Alcohol boils at 174 deg. when D&E. 30 in.

Bees' Wax melts at 142 deg.

Air cools 1 degree with each
180 feet of Altitude.

-136 Above At Assisi, Trilpoli, Sept. 13, 1922-

134 at Death Valley July 10, 1913

For about every 100 miles North you
travel from 42 deg. N. Lat. you will
become about 5 degrees cooler.

116 at Emporia, Kans. July 15, 1934

106. All insects are mute

104. Too hot to work or play.

100.1 at Providence, R.I. 7/30/49

98 Blood Heat. man's normal temperature

90 You may remove your coat.

84 Mean Temperature at Equator.

76 Katydid's begin to sing

Corn's build their roofs:

69 to 74 Best fishing temperature.

68 SUMMER

60.8 Cote die at lower body temp. a

57.8 Average sea-level air temp.

Usual Temp. of Spring water 50 Deg.

50 SPRING. Peepers are peeping. Fish

will not bite in any colder water.

44 Huds start to unfold.

39.2 Bottom Temp. all large lakes.

35 Bottom Temp. No. Atlantic ocean.

32 WINTER insects are lethargic

23.6 Sea water normal salt frozen

28 Ants are benumbed.

Strong wine freezes at 20 Above.

Cover gardens and bushes after
the ground is frozen.

10. Protect yourself against frostbite
especially if windy.

• Stay in bed. It is too cold to get
up

8 At New York City Feb. 15, 1943

16 At Boston Feb. 18, 1817. Jan. 18, 1847

and Feb. 9, 1934.

22 At Kingston, R.I. Feb. 7, 1934

30 At Lowell, 1847. Tarnara Falls, 1943

32 At Falls Village, Ct. 1943

Coldest morning ever known at Fair-

field, Maine... March 6, 1883

50 At Bloomfield, Vt. 12/30/1933 N.E.

At Franconia, N.H. 1/18/1847 Recrd.,

66 At Yellowstone Park Feb. 9, 1933

69.7 Rogers Pass, Montana, 1954

78 At Fort Yukon, Alaska-1934

84.6 At Elanette, Greenland Mar. 20, 1930

94 At Verkhoyansk, Siberia Feb. 5-7, 1899



In August of last year at the University of Leiden, Holland was
attained the lowest temperature ever reached on earth—1/1000 of a
degree above absolute zero which is 450.6 deg. below Fahrenheit zero
shown above. This was accomplished by evaporating liquid helium,
then reducing the pressure over boiling helium, then using powerful
magnets.

Courtesy NANA

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HOW TO USE THIS ALMANAC

The following Calendar Pages (12-35) have remained practically unchanged in format since the first issue in 1793. Those not familiar with the signs, abbreviations, etc., should realize that the understanding of this time-honored format is easily come by—and contains for the year 1955: the angle of the sun's declination, the times of the change of the moon's phases, sunrise, sunset, day's length, sun dial adjustments, high tides, moon rise, moon set, moon southing, moon's place in the heavens, and the moon's age—for every day in the year. On the right hand pages are expressed, by means of the symbols explained below, the relative positions during the year of the eleven planets including our sun and moon; daily tide heights, and in italic type, coursing down just to the left of the Farm Calendar, the weather which may be expected for the days which the italic sentence covers. On these right hand pages are also indicated all the important religious Holy Days of all faiths—national and state holidays—historic dates—and advice as to when the sap starts to run, birds, return, etc.

The Moon Signs used by many for planting are given in the next to last column on the left hand pages (12-34). Abbreviations used in this column are explained below and correspond to the positions on the Moon Sign Man represented on page 37. In the last column of the Planting Table which follows these Calendar Pages on page 38 you will find the dates which moon addicts use as most favorable for planting.

For the adjustment of the times given, to those of your locality turn to page 100. Move this weather forecast back one day for each time zone West of Eastern Time Zone.

CALENDAR PAGE EXPLANATIONS AND SIGNS

On the right hand pages you will find every now and again the symbols given in Tables 1 and 2 conjoined in groups of three to give you what is happening in the heavens. See Abbreviations and Definitions on page 108. Example: $\odot \text{h} \text{☾}$ on page 28 opposite June 3 means Saturn and the Moon are on that day in conjunction, or nearest to each other.

1. Names and Characters of the Principal Planets.

\odot The Sun.	♀ Venus.	♃ Jupiter.	♆ Neptune.
☾ The Moon.	♁ The Earth.	♄ Saturn.	♇ Pluto.
☿ Mercury.	♂ Mars.	♅ or ♁ Uranus.	

2. Names and Characters of the Aspects.

\odot Conjunction, or in the same degree.	♁ Dragon's Head, or Ascending Node.
\square Quadrature, 90 degrees.	♁ Dragon's Tail, or Descending Node.
♁ Opposition, or 180 degrees.	

3. Names, Abbreviations and Characters of the Signs of the Zodiac.

1. ♈ Aries, head. ARI	5. ♌ Leo, heart. LEO	9. ♍ Sagittarius, thighs. SGR
2. ♉ Taurus, neck. TAU	6. ♍ Virgo, belly. VIR	10. ♎ Capricornus, knees. CAP
3. ♊ Gemini, arms. GEM	7. ♏ Libra, reins. LIB	11. ♐ Aquarius, legs. AQR
4. ♋ Cancer, breast. CNC	8. ♏ Scorpio, secrets. SCO	12. ♑ Pisces, feet. PSC

Consult page 37 for Zodiacal Superstitions

4. Chronological Cycles for 1955.

Golden Number 18	Solar Cycle 4	Roman Indiction 8
Epact 6	Dominical Letter B	Year of Julian Period 6668

Movable Feasts and Fasts for 1955.

Septuagesima Sun. Feb. 6	Good Friday Apr. 8	Whitsunday May 29
Shrove Sunday Feb. 20	Easter Sunday Apr. 10	Trinity Sunday June 5
Ash Wednesday Feb. 23	Low Sunday Apr. 17	Corpus Christi June 9
1st Sun. in Lent Feb. 27	Rogation Sun. May 15	1st Sunday in Advent Nov. 27
Palm Sunday Apr. 3	Ascension Day May 19	

THE SEASONS, 1954

Eastern Standard Time

Winter Solstice (Winter, 1954), December 22, 4.25 A.M.—	Sun enters Capricornus, ♎
Vernal Equinox (Spring, 1955), March 21, 4.36 A.M.—	" " Aries, ♈
Summer Solstice (Summer), June 21, 11.32 P.M.—	" " Cancer, ♋
Autumnal Equinox (Autumn), September 23, 2.42 P.M.—	" " Libra, ♎
Winter Solstice (Winter), Dec. 22, 10.12 A.M.—	" " Capricornus, ♎

STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 24, (deduct it Oct. 30) for Daylight Saving Time
For States which retain September D.S.T. Closing Date, Deduct it Sept. 25. "

1955]

JANUARY, FIRST MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																								
	1	23s.02	7	22 25	13	21 32	19	20 24	25	19 02	2	22 57	8	22 17	14	21 21	20	20 11	26	18 47	3	22 51	9	22 09	15	21 11	21	19 58	27	18 32	4	22 45	10	22 00	16	20 59	22	19 45	28	18 16	5	22 39	11	21 51	17	20 48	23	19 31	29	18 00	6	22 32	12	21 42	18	20 36	24	19 17	30

- ☽ First Quarter, 1st day, 3 h. 29 m., evening, E.
- ☾ Full Moon, 8th day, 7 h. 44 m., morning, W.
- ☾ Last Quarter, 15th day, 5 h. 13 m., evening, W.
- New Moon, 23rd day, 8 h. 6 m., evening, W.
- ☽ First Quarter, 31st day, 12 h. 5 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☼ Rises.		Key	☽ Sets.		Key	Length of Days.		Sun East.	Full Sea, Boston.		☽ Sets.	Key	☽ Souths.		☽'s Place	Moon's Age		
			h.	m.		h.	m.		h.	m.		h.	m.			h.	m.			h.	m.
1	1	Sa.	7	13	O	4	23	C	9	10	13	3 ³ / ₄	4 ¹ / ₄	—	—	5 ^P _M 37	ARI	8			
2	2	S	7	13	O	4	23	C	9	10	12	4 ³ / ₄	5 ¹ / ₄	12 ^A _M 31	K	6	28	ARI	9		
3	3	M.	7	13	O	4	24	C	9	11	12	5 ³ / ₄	6 ¹ / ₄	1	45	M	7	23	TAU	10	
4	4	Tu.	7	13	O	4	25	C	9	12	11	6 ³ / ₄	7 ¹ / ₄	3	00	N	8	23	TAU	11	
5	5	W.	7	13	O	4	26	C	9	13	11	7 ³ / ₄	8 ¹ / ₂	4	14	O	9	25	G'M	12	
6	6	Th.	7	13	N	4	27	D	9	14	10	8 ³ / ₄	9 ¹ / ₂	5	22	O	10	28	G'M	13	
7	7	Fr.	7	13	N	4	28	D	9	15	10	9 ³ / ₄	10 ³ / ₄	6 ^A _M 22	O	11 ^P _M 30	CNC	14			
8	8	Sa.	7	13	N	4	29	D	9	16	9	10 ¹ / ₂	11 ¹ / ₄	rises	—	—	—	—	—	—	
9	9	S	7	13	N	4	30	D	9	18	9	11 ¹ / ₂	—	6 ^P _M 09	E	12 ^A _M 29	CNC	15			
10	10	M.	7	12	N	4	31	D	9	19	9	0	0 ¹ / ₄	7	21	G	1	23	LEO	16	
11	11	Tu.	7	12	N	4	32	D	9	20	8	0	3 ⁴ / ₄	1 ¹ / ₄	8	30	H	2	13	LEO	17
12	12	W.	7	12	N	4	33	D	9	22	8	1	3 ⁴ / ₄	2	9	36	I	2	59	VIR	18
13	13	Th.	7	12	N	4	35	D	9	23	7	2 ¹ / ₂	2 ³ / ₄	10	40	J	3	44	VIR	19	
14	14	Fr.	7	11	N	4	36	D	9	25	7	3 ¹ / ₄	3 ¹ / ₂	11 ^P _M 42	L	4	27	LIB	20		
15	15	Sa.	7	11	N	4	37	D	9	26	7	4	4 ¹ / ₂	—	—	—	5	10	LIB	21	
16	16	S	7	10	N	4	38	D	9	28	6	5	5 ¹ / ₄	12 ^A _M 43	M	5	54	SCO	22		
17	17	M.	7	10	N	4	39	D	9	29	6	5 ³ / ₄	6 ¹ / ₄	1	44	N	6	39	SCO	23	
18	18	Tu.	7	09	N	4	40	D	9	31	6	6 ³ / ₄	7 ¹ / ₄	2	44	N	7	26	SCO	24	
19	19	W.	7	09	N	4	42	D	9	33	5	7 ¹ / ₂	8 ¹ / ₄	3	41	O	8	15	SGR	25	
20	20	Th.	7	08	N	4	43	D	9	35	5	8 ¹ / ₂	9	4	34	O	9	05	SGR	26	
21	21	Fr.	7	07	N	4	44	D	9	37	5	9 ¹ / ₄	9 ³ / ₄	5	22	O	9	56	CAP	27	
22	22	Sa.	7	07	N	4	45	D	9	39	4	10	10 ¹ / ₂	6 ^A _M 05	N	10	47	CAP	28		
23	23	S	7	06	N	4	47	D	9	41	4	10 ¹ / ₂	11	sets	—	11 ^A _M 37	CAP	29			
24	24	M.	7	05	N	4	48	D	9	43	4	11 ¹ / ₄	11 ³ / ₄	5 ^P _M 46	F	12 ^P _M 26	AQR	1			
25	25	Tu.	7	04	N	4	49	D	9	45	4	—	0	6	55	G	1	13	AQR	2	
26	26	W.	7	04	M	4	50	E	9	47	3	0 ¹ / ₂	0 ³ / ₄	8	02	H	2	00	PSC	3	
27	27	Th.	7	03	M	4	52	E	9	49	3	1	1 ¹ / ₄	9	12	J	2	47	PSC	4	
28	28	Fr.	7	02	M	4	53	E	9	51	3	1 ³ / ₄	2 ¹ / ₄	10	22	K	3	35	ARI	5	
29	29	Sa.	7	01	M	4	54	E	9	53	3	2 ¹ / ₂	3	11	34	L	4	25	ARI	6	
30	30	S	7	00	M	4	55	E	9	55	3	3 ¹ / ₂	4	—	—	—	5	18	TAU	7	
31	31	M.	6	59	M	4	57	E	9	58	2	4 ¹ / ₄	5	12 ^A _M 47	N	6 ^P _M 14	TAU	8			

JANUARY hath 31 days.

[1955



So, it is morning! . . . So, the sun arrives
 In that slow splendor so uniquely his . . .
 And the hill shines, and the low field revives,
 And I, part field, part hill, am part of this.
 And I and mornin', now, are strong and strange,
 And all our genius is a gift for change.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	CIRCUMCISION. Mich. Stan. 49 1902	9.7 Full 9.3
2	B	2da Ch. ♀ Peri. Tides	9.9 storm 9.1
3	M.	Cicero B. 107 B.C. 1950	158 above N.Y.C. 10.1 121 below Col. 9.0
4	Tu.	5 Telenthropl Disc. 1953	⊕ in Peri 10.4 and high 9.0
5	W.	Raccoons are sparking	Twelfth Night 10.7 tides 9.2
6	Th.	Epiph. ☽ ☿ ☽ ☾ runs high.	☾ in Peri 11.0 9.4
7	Fr.	3th Gr. Hel. Lat. S ☽ ☿ ☽ ☾	11.3 while a 9.7
8	Sa.	Wolf Moon ☽ ☽ ☾ Hol. La.	Tides 11.5 pale 9.9
9	B	1st S. a. Ep. Tides	11.4 moon
10	M.	Plough Mon. Ethan Allen B. 1737	10.0 hides. 11.2
11	Tu.	Irishmen sold as Slaves in Conn. 1764 (5th) Newport, R.I.	10.0 Not 10.8
12	W.	Tea Party 1774	☾ Eq. 9.9 nice 10.3
13	Th.	"A Star for every State" 1794	Tides 9.7 for men 9.6
14	Fr.	St. Hilary Coldest in Year now thru 25th	19.4 or mice. 9.0
15	Sa.	London Foggy 1944 so was N.Y.C. 1953	☽ ☿ ☽ ☾ 9.2 Still 8.4
16	B	2nd S. a. Ep. ☽ ☿ ☽ ☾	8.9 7.9
17	M.	B. Franklin 1706 Born & Baptised	☽ ☿ ☽ ☾ in Apo 8.8 7.6
18	Tu.	19th Cent. N.E. Cold Rec. 1847	☽ ☿ ☽ ☾ 8.7 colder, 7.5
19	W.	Robt. E. Lee's Hol. Birthday	☽ ☿ ☽ ☾ 8.8 and 7.5
20	Th.	1000 Die in London of Russian Flu 1837	☾ low 9.0 bolder. 7.8
21	Fr.	Ravens reveal Murder St. Meinrad 861	9.3 Thaws 8.0
22	Sa.	1st Atomic Sub launched 1954	Tides 9.6 a while 8.4
23	B	3rd S. a. Ep. Joseph & Mary married	9.8 9.7
24	M.	Gray Whales are migrating now	♀ Gr. Hel. Lat. N. 10.1 but 9.1
25	Tu.	Conv. of Gr. El. St. Paul	☽ ☿ ☽ ☾ 10.2 don't 10.2
26	W.	U. S. Purch. Jefferson's Library 1851	9.4 smile it 10.3
27	Th.	Boston's 1st Fire Eng. 1679	☽ ☿ ☽ ☾ on Eq. 9.7 storms 10.2
28	Fr.	Gr. El. ☽ ☽ ☽ ☾	10.0 begorrah today 10.0
29	Sa.	Phantom Army in Scotland sky 1719	10.1 and tomor- 9.7
30	B	4th S. a. E. F.D.R.'s Day	☽ ☿ ☽ ☾ Ky.-W.Va. 10.2 9.3
31	M.	Terr. Eur. Storms, 1953	☽ ☿ ☽ ☾ in R.A. 13.2 row. 8.9

I had thought to recount for this virtuous month such simple truths as some folks say the world lives by. But I came upon so many half-truths, so much good advice and preaching that the light of real truth seemed dim indeed. Deeply troubled, it came to me that perhaps that well-known philosopher and whittler, Farmer Brown, might have fresh wisdom on the subject.

So I went to see him. It was a bitter day. My old friend's windows were frosted and snow whirled in the barnyard. Mrs. Brown opened the door just enough for me to slip into her cozy kitchen. There was the great man exactly where I thought he would be, tilted back in his red rocker, feet in the oven, snoozing, with a copy of the **Weekly Recorder** in his lap. I shook him gently by his galluses, and he opened one eye, though apparently still deep in a sweet dream of summer. "Son," he said, "take a full day off for fishing—but if you do, be sure you go fishing."

When I left I was a happy man, for I had mined what the world must pronounce veritable nuggets of truth:

"You get the truth out of some folks like you get the last drop out of a molasses jug—thump, and wait, and drip. Then you don't get it all.

"Don't try to shine up the truth with a dirty cloth.

"A liar is the hardest working man in the world.

"If you find a needle in a haystack, don't tell anyone."

1955]

FEBRUARY, SECOND MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	17	11	7	15 24	13	13	27	19	11	23	25	9	12						
2	16	54	8	15	05	14	13	07	20	11	01	26	8	49						
3	16	36	9	14	46	15	12	46	21	10	40	27	8	27						
4	16	18	10	14	26	16	12	26	22	10	18	28	8	04						
5	16	00	11	14	07	17	12	05	23	9	56									
6	15	42	12	13	47	18	11	44	24	9	34									

○ Full Moon, 6th day, 8 h. 43 m., evening, E.

☾ Last Quarter, 14th day, 2 h. 40 m., evening, W.

● New Moon, 22nd day, 10 h. 54 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		☾		Length of Days.	Sun. Morn.	Sun. Evcn.	☽		☽'s Place	Moon's Age		
			Rises.	Key	Sets.	Key				Sets.	Key				
32	1	Tu.	6 58	M	4 58	E	10 00	2	5 1/4	6	2 ^A _M 00	O	7 ^P _M 13	G'M	9
33	2	W.	6 57	M	4 59	E	10 02	2	6 1/2	7	3 08	O	8 14	G'M	10
34	3	Th.	6 56	M	5 01	E	10 05	2	7 1/2	8 1/4	4 10	O	9 15	CNC	11
35	4	Fr.	6 55	M	5 02	E	10 07	2	8 1/2	9 1/4	5 02	O	10 14	CNC	12
36	5	Sa.	6 54	M	5 03	E	10 10	2	9 1/2	10	5 ^A _M 45	N	11 ^P _M 09	LEO	13
37	6	S.	6 53	M	5 05	E	10 12	2	10 1/2	11	rises	—	—	—	—
38	7	M.	6 52	M	5 06	E	10 14	2	11 1/4	11 3/4	6 ^P _M 08	G	12 ^A _M 01	LEO	14
39	8	Tu.	6 50	M	5 07	E	10 17	2	—	0	7 16	I	12 49	VIR	15
40	9	W.	6 49	L	5 09	F	10 19	1	0 1/2	0 3/4	8 22	J	1 35	VIR	16
41	10	Th.	6 48	L	5 10	F	10 22	1	1 1/4	1 1/2	9 26	K	2 19	LIB	17
42	11	Fr.	6 47	L	5 11	F	10 25	1	2	2 1/4	10 29	L	3 03	LIB	18
43	12	Sa.	6 45	L	5 12	F	10 27	1	2 1/2	3	11 ^P _M 31	M	3 47	LIB	19
44	13	S.	6 44	L	5 14	F	10 30	1	3 1/2	4	—	—	4 32	SCO	20
45	14	M.	6 43	L	5 15	F	10 32	1	4 1/4	4 3/4	12 ^A _M 31	N	5 19	SCO	21
46	15	Tu.	6 41	L	5 16	F	10 35	1	5	5 1/2	1 29	O	6 07	SGR	22
47	16	W.	6 40	L	5 18	F	10 38	2	6	6 1/2	2 24	O	6 57	SGR	23
48	17	Th.	6 38	L	5 19	F	10 40	2	7	7 1/2	3 14	O	7 47	SGR	24
49	18	Fr.	6 37	L	5 20	F	10 43	2	7 3/4	8 1/2	3 59	O	8 37	CAP	26
50	19	Sa.	6 36	L	5 21	F	10 45	2	8 3/4	9 1/4	4 38	N	9 28	CAP	27
51	20	S.	6 34	L	5 23	F	10 49	2	9 1/2	10	5 12	M	10 17	AQR	28
52	21	M.	6 33	K	5 24	G	10 51	2	10 1/4	10 1/2	5 ^A _M 42	L	11 06	AQR	29
53	22	Tu.	6 31	K	5 25	G	10 54	2	10 3/4	11 1/4	sets	—	11 ^A _M 54	PSC	0
54	23	W.	6 30	K	5 26	G	10 57	2	11 1/2	—	6 ^P _M 58	I	12 ^P _M 42	PSC	1
55	24	Th.	6 28	K	5 28	G	11 00	2	0	0 1/4	8 10	K	1 31	ARI	2
56	25	Fr.	6 27	K	5 29	G	11 02	2	0 3/4	1	9 23	L	2 21	ARI	3
57	26	Sa.	6 25	K	5 30	G	11 05	3	1 1/4	1 3/4	10 37	M	3 14	TAU	4
58	27	S.	6 24	K	5 31	G	11 08	3	2 1/4	2 3/4	11 ^P _M 50	N	4 10	TAU	5
59	28	M.	6 22	K	5 33	G	11 11	3	3	3 1/2	—	—	5 ^P _M 08	G'M	6



Here the tall horns, sounding the hill strength,
And the green strings, the sweetness of the meadow,
Are a deep music in the listening son,
Becoming in himself more strong, more sweet.

In exile, too, he hears . . . A way of home,
Singing along the blood and in the bone,
A way of strength, of sweetness, a good way
Of meeting what it is he has to meet.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	N.Y. Hippo "Pete" D. 1953 ♀ in Perl Tides {10.1 8.7	No
2	W.	Purif. Mary runs high in Peri {10.2 8.7	lounge
3	Th.	Four Immortal Stat. in R.A. ♂ in ♂♂ {10.3 8.8	
4	Fr.	John Rogers was burnt 1555 Tides {10.6 9.2	lizard
5	Sa.	Acc. Queen Eliz. II-1952 ♂♂♂♂♂♂ {10.8 9.6	
6	B	Sept. S. snow moon Tides {11.0 9.9	will
7	M.	Gil. Dodds Indoor Mile 4.08:1 - 1948 Tides {11.0 10.1	enjoy
8	Tu.	Am. Boy Scouts Founded 1910 18 below Boston 1855	{10.8
9	W.	U.S. Weather Bur. fd. 1870 ☾ on Eq. Tides {10.2 10.5	this
10	Th.	John Henry Fraud 1812 ☐h☉ Tides {10.1 10.0	bliz-
11	Fr.	Norton, Kans. Meteorite-1948 ♀Gt. Hel. ♀Lat.N. {9.9 9.4	zard.
12	Sa.	A. Lincoln ♂Ψ♂♂♀♂♂♂♂ Inf. {9.6 8.9	
13	B	Scragesima S. Tides {9.3 8.8	
14	M.	St. Val. ♂h♂♂♂♂♂♂♂♂ in Apo. {9.0 7.8	Clear
15	Tu.	All good Geese have laid by now Tides {8.7 7.5	and
16	W.	Silver Dollar Legal. 1878 ☾ on Low Tides {8.6 7.4	fair,
17	Th.	Auld Deer "Worst in year." ♂♀♂♂ {8.6 7.5	hitch
18	Fr.	E. Woodcock Surv. 9 Nite Snow Burial ♂♀♂♂ {8.8 7.8	up
19	Sa.	Aaron Burr 60 Tornados Arrested 1807 1884 {9.1 8.2	the
20	B	Quin. S. Tides {9.5 8.7	old
21	M.	♂♀♂ Mardi Gras Day (22nd) Tides {9.9 9.2	mare.
22	Tu.	G. Shrove Wash. Tues. Fla. La. Ala. {10.2 9.7	High
23	W.	Ash WA. ☾ on Eq. Tides {10.4 10.1	winds
24	Th.	St. Mathias ♀ in R.A. {10.5 10.5	prevail
25	Fr.	"Cotton Mather" Blizzard 1717 {10.5 10.4	perhaps
26	Sa.	Conn. sold for \$60 - 1640 ♂♂♂♂♂♂♂♂ Tides {10.7 10.2	a
27	B	1st S. L. ☾ in Peri. Tides {10.7 9.8	
28	M.	"Peacemaker" Kills U.S. Sec. Navy & State 1844 {10.5 9.3	gale.

Though I do not always believe my neighbor, I believe in him. What a dreary world this would be if I did not share his problems and he mine. Our neighborhood problems, of course. Each of us has land and land is personal business, but it is neighborhood business, too. Our standards as landowners reflect, or are, our neighborhood's standards. My neighbor tends his fences as I do mine, that his cattle shall not be in my corn, nor mine in his. Sometimes we mend fences and walls together. He sprays his orchards faithfully for his own reward, and so do I mine, but each of us know that neglected orchards spread blights and insects in our neighborhood.

My lanes are open to his passing, as his are to me, but he comes upon my land to pick berries with my permission only, though he has been welcome to my berries for as long as either of us can remember. And I to his. He knows, as no outsider can, the fire hazards common to us both. He respects such signs as I put up and makes it his business to see that others respect them.

"Love thy neighbor as thyself." In all honesty I cannot admit quite to that, but I know, and my neighbor knows, that I share always his tragedies and urgencies—as he would mine.

Only three moon phases this month but March will have five and October two full moons but do not let that worry you. January had five, too.

1955]

MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	7s. 42	7	5 23	13	3 02	19	0 40	25	1 42	2	7 19	8	5 00	14	2 39	20	0s. 17	26	2 05	3	6 56	9	4 37	15	2 15	21	0n. 07	27	2 29	4	6 33	10	4 13	16	1 51	22	0 31	28	2 52	5	6 10	11	3 50	17	1 28	23	0 55	29	3 16	6	5 47	12	3 26	18	1 04	24	1 18	30

- ☽ First Quarter, 1st day, 7 h. 40 m., morning, E.
- ☾ Full Moon, 8th day, 10 h. 41 m., morning, W.
- ☾ Last Quarter, 16th day, 11 h. 36 m., morning, W.
- New Moon, 23rd day, 10 h. 42 m., evening, W.
- ☽ First Quarter, 30th day, 3 h. 10 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises		Key	☉ Sets		Key	Length of Days		Sun Past.	Full Sea, Boston.		☽ Sets.		Key	☽ Souths.		Place	Moon's Age
			h.	m.		h.	m.		h.	m.		in.	Morn.	Even	h.		m.	h.		
60	1	Tu.	6 20	K	5 34	G	11 13	3	4	4 ¹ / ₂	1 ^A 00	O	6 ^P 08	G'M	7					
61	2	W.	6 19	K	5 35	G	11 16	3	5	5 ³ / ₄	2 03	O	7 08	CNC	8					
62	3	Th.	6 17	K	5 36	G	11 19	3	6 ¹ / ₄	6 ³ / ₄	2 58	O	8 06	CNC	9					
63	4	Fr.	6 16	K	5 38	G	11 22	4	7 ¹ / ₄	8	3 43	N	9 01	CNC	10					
64	5	Sa.	6 14	J	5 39	H	11 25	4	8 ¹ / ₄	9	4 20	M	9 52	LEO	11					
65	6	S.	6 12	J	5 40	H	11 28	4	9 ¹ / ₄	9 ³ / ₄	4 52	L	10 41	LEO	12					
66	7	M.	6 11	J	5 41	H	11 31	4	10 ¹ / ₄	10 ¹ / ₂	5 ^A 19	K	11 ^P 27	VIR	14					
67	8	Tu.	6 09	J	5 42	H	11 33	5	11	11 ¹ / ₄	rises	—	—	—	—					
68	9	W.	6 07	J	5 44	H	11 36	5	11 ³ / ₄	—	7 ^P 10	K	12 ^A 12	VIR	15					
69	10	Th.	6 05	J	5 45	H	11 39	5	0	0 ¹ / ₄	8 13	L	12 56	LIB	16					
70	11	Fr.	6 04	J	5 46	H	11 42	5	0 ³ / ₄	1	9 16	M	1 41	LIB	17					
71	12	Sa.	6 02	J	5 47	H	11 45	6	1 ¹ / ₄	1 ³ / ₄	10 18	N	2 26	SCO	18					
72	13	S.	6 00	J	5 48	H	11 48	6	2	2 ¹ / ₂	11 ^P 17	N	3 12	SCO	19					
73	14	M.	5 59	J	5 49	H	11 51	6	2 ³ / ₄	3 ¹ / ₄	—	—	4 00	SCO	20					
74	15	Tu.	5 57	J	5 51	H	11 54	6	3 ¹ / ₂	4	12 ^A 13	O	4 48	SGR	21					
75	16	W.	5 55	I	5 52	I	11 56	7	4 ¹ / ₄	5	1 05	O	5 38	SGR	22					
76	17	Th.	5 53	I	5 53	I	11 59	7	5 ¹ / ₄	6	1 51	O	6 28	CAP	23					
77	18	Fr.	5 52	I	5 54	I	12 02	7	6 ¹ / ₂	6 ³ / ₄	2 32	N	7 17	CAP	24					
78	19	Sa.	5 50	I	5 55	I	12 05	8	7 ¹ / ₂	7 ³ / ₄	3 07	M	8 06	AQR	25					
79	20	S.	5 48	I	5 56	I	12 08	8	8	8 ¹ / ₂	3 38	L	8 55	AQR	26					
80	21	M.	5 47	I	5 57	I	12 11	8	9	9 ¹ / ₄	4 08	K	9 43	AQR	27					
81	22	Tu.	5 45	I	5 59	I	12 14	8	9 ³ / ₄	10	4 ^A 35	J	10 31	PSC	28					
82	23	W.	5 43	I	6 00	I	12 17	9	10 ¹ / ₂	10 ³ / ₄	sets	—	11 ^A 20	PSC	29					
83	24	Th.	5 41	I	6 01	I	12 19	9	11 ¹ / ₄	11 ¹ / ₂	7 ^P 03	K	12 ^P 11	ARI	1					
84	25	Fr.	5 40	I	6 02	I	12 22	9	—	0	8 20	M	1 05	ARI	2					
85	26	Sa.	5 38	I	6 03	I	12 25	10	0 ¹ / ₄	0 ³ / ₄	9 36	N	2 01	TAU	3					
86	27	S.	5 36	I	6 04	J	12 28	10	1	1 ¹ / ₂	10 49	O	3 01	TAU	4					
87	28	M.	5 34	H	6 05	J	12 31	10	1 ³ / ₄	2 ¹ / ₂	11 ^P 56	O	4 02	G'M	5					
88	29	Tu.	5 33	H	6 07	J	12 34	11	2 ³ / ₄	3 ¹ / ₄	—	—	5 03	G'M	6					
89	30	W.	5 31	H	6 08	J	12 37	11	3 ⁴ / ₄	4 ¹ / ₂	12 ^A 54	O	6 01	CNC	7					
90	31	Th.	5 29	H	6 09	J	12 40	11	4 ³ / ₄	5 ¹ / ₂	1 ^A 42	N	6 ^P 57	CNC	8					

MARCH hath 31 days.

[1955



So, I walked out —
 Out of the bleak perplexities and worry,
 And darknesses, and doubt, doubt!
 And found them, in the sun,
 The flowers, explicit, and at ease — no hurry,
 And no defeat . . . no rout, no rout
 Away from what is good, the good, Now . . .
 Among them, then, I made a vow,
 With Heaven attending.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	David C. Swan H. Bomb Hol. {10.3	<p>I have some photographs taken about this place when my grandfather bought it in 1898. It was then, and still is, a hilltop farm—a kind of land much prized in these parts. Then it was a farm of pastures with sheep and cattle—stone walls—and not a tree. Now the livestock has gone, and most of the pastures and mowings are commercial apple orchards. Second growth has claimed the rest of the big hill. And I'm glad of it.</p> <p>The face of our New England farms, changing fast even before grandfather's day, is now a new world—though not a better one from the point of view of the 1870 farmer. He would say we waste good land on apples. If I thought our present day economy could justify his way of farming, he could be right. (He may well be right about the apples.)</p> <p>But in what has taken place on my farmlands and in similar lands of all New England I see many good things. We are preserving our land. Less grazing means less erosion. Second and third growth of mixed hardwoods and pine hold moisture back and in, and we probably have a decreasing forest and brush fire hazard. With any kind of normal rainfall our water table should be rising. Lumbering operations generally are carried out always with an eye to better forests in the future, and, for that matter, every operation dealing with soil and planting has conservation as the primary interest.</p>
2	W.	[1st h. Stat. C runs] Ember Hol. {10.0	
3	Th.	In R.A. C high Day Tex. {8.5	
4	Fr.	Iceberg Patrol So does {9.9	
5	Sa.	Starts Out Mr. Skunk 18.5 snow we {9.9	
6	B	2nd S. L. ♀ in ♂ Ordination {10.3	
7	M.	Sunday First Burbank {10.4	
8	Tu.	Obs. 321 A.D. Day Calif. {9.9	
9	W.	Purim Moon C on {10.4	
10	Th.	Maple Sap Tides {10.3	
11	Fr.	Runs now Gr. El. {10.2	
12	Sa.	Henry IV Burnt W. {10.0	
13	B	Blizzard of 1888 ♀ C Tides {10.2	
14	M.	St. Gregory Hudson River {10.0	
15	Tu.	Ice Blocks 1875 {9.2	
16	W.	3rd S. L. ♂ h C Tides {9.7	
17	Th.	[15th 1st Neat Cattle] C In {9.4	
18	Fr.	arr. U.S. 1624 C Apo. {8.3	
19	Sa.	Income Crides Hol. {9.1	
20	B	Taxes Due C low Tenn. {7.9	
21	M.	Animal Hibernations over C Stat. {8.3	
22	Tu.	St. Patrick in R.A. {7.6	
23	W.	♀ Aph. Tides {8.6	
24	Th.	Somerville, Mass. Tides {8.5	
25	Fr.	Fire, 1954 Tides {7.7	
26	Sa.	St. Jos. Swallows San Juan Capistrano Tides {8.7	
27	B	4th S. L. ♂ ♀ C Tides {8.1	
28	M.	Spring Begins 4.36 A.M. C en-oo {9.4	
29	Tu.	♂ ♀ C on [21st ♀ in ♂] {9.9	
30	W.	Oysters Robins {10.2	
31	Th.	Spawn now and Bluebirds {10.4	
		Jules Verne Here {10.5	
		D. 1905 Here {10.8	
		Annun. Lady Day Hol. Md. {10.5	
		Spain gave U.S.A. in {11.1	
		Santa Maria 1893 C Peri {10.4	
		Passion S. ♂ ♂ C {11.2	
		Sikang Peak — World's Highest-Disc. 1944 {10.1	
		Great No. Lights C runs high Tides {11.0	
		In Conn. 1783 {9.7	
		The Hallelujah Tides {10.7	
		Victory 1430 {8.8	
		♂ ♀ C ♂ ♂ C Cold War Beg. 1948 {9.9	
		{8.6	

1955]

APRIL, FOURTH MONTH.

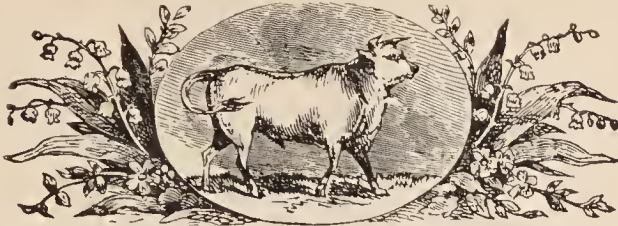
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	4N.26	7	6 43	13	8 56	19	11 04	25	13 05	2	4 49	8	7 06	14	9 18	20	11 25	26	13 25	3	5 12	9	7 28	15	9 40	21	11 45	27	13 44	4	5 35	10	7 50	16	10 01	22	12 06	28	14 03	5	5 58	11	8 12	17	10 22	23	12 26	29	14 22	6	6 20	12	8 34	18	10 43	24	12 46	30

- Full Moon, 7th day, 1 h. 35 m., morning, W.
- ☾ Last Quarter, 15th day, 6 h. 00 m., morning, W.
- New Moon, 22nd day, 8 h. 6 m., morning, E.
- ☽ First Quarter, 28th day, 11 h. 23 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☀		Key	☾		Key	Length of Days.		Sun Fast.	Full Sea, Boston.		Key	☽		Key	☽'s		Moon's Az.
			Rises.	h. m.		Sets.	h. m.		h. m.	h. m.		Morn	Even		Sets.	h. m.		Souths.	Place	
91	1	Fr.	5 27	H	6 10	J	12 42	11 6	6 ¹ / ₂	2 ^A 21	M	7 ^P _M 49	LEO	9						
92	2	Sa.	5 26	H	6 11	J	12 45	12 7	7 ³ / ₄	2 54	L	8 38	LEO	10						
93	3	S.	5 24	H	6 12	J	12 48	12 8	8 ³ / ₄	3 22	K	9 24	VIR	11						
94	4	M.	5 22	H	6 13	J	12 51	12 9	9 ¹ / ₂	3 48	J	10 08	VIR	12						
95	5	Tu.	5 21	H	6 14	J	12 54	13 9 ³ / ₄	10 ¹ / ₄	4 12	I	10 52	LIB	13						
96	6	W.	5 19	H	6 16	J	12 57	13 10 ¹ / ₂	10 ³ / ₄	4 ^M 36	G	11 ^P _M 36	LIB	14						
97	7	Th.	5 17	H	6 17	J	12 59	13 11 ¹ / ₄	11 ¹ / ₂	rises	—	—	—	—						
98	8	Fr.	5 16	H	6 18	K	13 02	14 —	0	8 ^P _M 06	M	12 ^A _M 20	LIB	15						
99	9	Sa.	5 14	G	6 19	K	13 05	14 0 ¹ / ₄	0 ¹ / ₂	9 06	N	1 06	SCO	16						
100	10	S.	5 12	G	6 20	K	13 08	14 0 ³ / ₄	1 ¹ / ₄	10 04	O	1 53	SCO	17						
101	11	M.	5 11	G	6 21	K	13 11	14 1 ¹ / ₂	2	10 57	O	2 42	SGR	18						
102	12	Tu.	5 09	G	6 22	K	13 13	15 2 ¹ / ₄	2 ³ / ₄	11 ^P _M 45	O	3 31	SGR	19						
103	13	W.	5 07	G	6 23	K	13 16	15 3	3 ¹ / ₂	—	—	4 20	SGR	20						
104	14	Th.	5 06	G	6 25	K	13 19	15 3 ³ / ₄	4 ¹ / ₄	12 ^A _M 27	N	5 09	CAP	21						
105	15	Fr.	5 04	G	6 26	K	13 22	15 4 ¹ / ₂	5 ¹ / ₄	1 04	N	5 58	CAP	22						
106	16	Sa.	5 02	G	6 27	K	13 24	16 5 ¹ / ₂	6 ¹ / ₄	1 37	M	6 45	AQR	23						
107	17	S.	5 01	G	6 28	K	13 27	16 6 ¹ / ₂	7	2 06	L	7 32	AQR	24						
108	18	M.	4 59	G	6 29	K	13 30	16 7 ¹ / ₂	8	2 33	K	8 19	PSC	25						
109	19	Tu.	4 58	G	6 30	K	13 33	16 8 ¹ / ₄	8 ³ / ₄	3 00	I	9 07	PSC	26						
110	20	W.	4 56	F	6 31	L	13 35	17 9 ¹ / ₄	9 ¹ / ₂	3 28	H	9 57	ARI	27						
111	21	Th.	4 54	F	6 32	L	13 38	17 10	10 ¹ / ₄	3 ^A _M 57	G	10 49	ARI	29						
112	22	Fr.	4 53	F	6 34	L	13 41	17 10 ³ / ₄	11	sets	—	11 ^A _M 46	TAU	0						
113	23	Sa.	4 51	F	6 35	L	13 43	17 11 ¹ / ₂	11 ³ / ₄	8 ^P _M 28	M	12 ^P _M 45	TAU	1						
114	24	S.	4 50	F	6 36	L	13 46	17 —	0 ¹ / ₂	9 41	N	1 48	G'M	2						
115	25	M.	4 48	F	6 37	L	13 49	18 0 ³ / ₄	1 ¹ / ₄	10 44	O	2 51	G'M	3						
116	26	Tu.	4 47	F	6 38	L	13 51	18 1 ¹ / ₂	2 ¹ / ₄	11 ^P _M 37	O	3 53	CNC	4						
117	27	W.	4 45	F	6 39	L	13 54	18 2 ¹ / ₂	3 ¹ / ₄	—	—	4 51	CNC	5						
118	28	Th.	4 44	F	6 40	L	13 56	18 3 ¹ / ₂	4 ¹ / ₄	12 ^A _M 20	N	5 45	LEO	6						
119	29	Fr.	4 43	F	6 41	L	13 59	18 4 ¹ / ₂	5 ¹ / ₄	12 56	M	6 35	LEO	7						
120	30	Sa.	4 41	F	6 43	L	14 01	18 5 ¹ / ₂	6 ¹ / ₄	1 ^A _M 25	L	7 ^P _M 22	VIR	8						



The bird, the bud, the lamb,
This small and singular three
In the wild dithyramb
Of the spring's ecstacy.

I name and single out
From the great whole — these least;
And drunken and devout,
Half lover and half priest,

I stand in the new sun,
Praising this trinity,
And make the three in one
My personal ecstacy.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, Etc.	Farmer's Calendar.
1	Fr.	April Fool's Day ☽ Stat. Mich. {9.6 in R.A. Elec. {8.7	<i>Tor-</i>
2	Sa.	[1st Mother Goose] Tides {9.5 Publ. 1719 {8.9	<i>nadoes</i>
3	B	Palm S. Tides {9.5 {9.3	<i>West</i>
4	M.	Cain Born ☾ on Tides {9.7 Abel Slain ☾ Eq. {9.6	<i>make</i>
5	Tu.	Quake Killed 12000 Tides {9.7 Indians 1815 {9.2	<i>the East</i>
6	W.	Expect the Pink ☽ Gr. Hel. {9.7 Moon tomorrow ☽ Lat.S. {10.1	<i>far</i>
7	Th.	Maundy First Day Tides {9.6 Thursday Passover {10.2	<i>best.</i>
8	Fr.	Good Fri. Holiday Nine States {9.4	<i>Colder</i>
9	Sa.	Holy Saturday ☽☾ [8th] ☽☾ {10.2 {9.2	<i>then</i>
10	B	Easter Day Tides {10.0 {8.9	<i>rain,</i>
11	M.	☽☾ ☾ in {9.8 Holl- Apo. {8.6 days	<i>foggy</i>
12	Tu.	Phelan First Tides in {9.5 Billiard Champ 1859 ☾ low N.C. {8.2	
13	W.	Ohio Flood Jefferson Hol. {9.2 1948 Day 6 States {8.1	<i>nights</i>
14	Th.	Geese flying ☽☾☽ {8.9 North now ☽☾☽ {7.9	<i>are a pain.</i>
15	Fr.	Maine Sardine Titanic 1912 Tides {8.7 Season opens Sank 1912 {8.0	
16	Sa.	Luther saw Tides {8.7 Worms 1521 {8.2	<i>A</i>
17	B	1st a. E. Low Sunday Tides {8.8 {8.6	<i>warm</i>
18	M.	Ernie Pyle [17th] ☽☽☽ {9.1 D. 1945 {9.2	<i>storm.</i>
19	Tu.	Patriots' D. ☾ on Hol. {9.4 Eq. Me. Mass. {9.8	
20	W.	J. Borden Tides {9.8 Mutiny 1875 ☽☾☽ {10.4	<i>The</i>
21	Th.	Tanana R. Ice will go Hol. {10.2 out May 2, 1955-5 P.M. Tex. {11.0	<i>wea-</i>
22	Fr.	☽☽☽ ☽☽☽ Sup. Okla. {10.4 {11.4	<i>ther's</i>
23	Sa.	[24th] ☽☽☽ ☽☽☽ in ☽ Peril. {10.4 {11.6	<i>un-</i>
24	B	2nda. E. Daylight Saving Time Begins {10.3	<i>kind.</i>
25	M.	Fast Day St. Mark Hol. {11.6 Evangelist N.H. {10.1	<i>won't</i>
26	Tu.	[25th] ☽ in ☽☽☽ ☽☽☽ Mem. Day Ala. {11.3 high Fla. Ga. Miss. {9.7	
27	W.	☽☽☽ ☽☽☽ Tides {10.8 {9.3	<i>make</i>
28	Th.	Aphrodisius carries own cut off head to grave A.D. 69 {10.3 {9.1	<i>up</i>
29	Fr.	Arboy Day Tides {9.8 {8.9	<i>its</i>
30	Sa.	Miss. R. 41.3—1844 ☽ in {9.4 St. Louis 39.1—1944 ☽ Peril. {9.0	<i>mind.</i>

Daylight Saving Time begins the 24th.

Often here in the busyness of the farm we are reminded that we humans are really just tenants of nature sharing this land with her own people—her birds and beasts. And they assume a right to this land as much as we, but with a greater tolerance, for us, than we for them. We wonder that they intrude so little upon what we consider ours, and they consider theirs, with us.

Robins, crows, swallows, bluebirds, and a whole circus of other birds wing back to our hilltop each year. Foxes and skunks and woodchucks call these acres, or our old barns, their home. So do porcupines and raccoons—too boldly.

There is no nesting bird in the trees or the lilacs about the house that does not remind us of her joint tenantry. We think of the robins who raise their family not an arm's length from the house wall, just behind which is our bleating radio. Or of the scores of swallows who invade our barn and dive-bomb our cat if he so much as shows his nose. We hear at dawn the five times slowly repeated caw of the crow who has taken the morning there for years. At night, and every night, the whippoorwill pauses a decent interval on the apple tree beneath our window.

And now and then we see such astonishing things as the fox who mouses in our orchards, carrying on the occupation beside our cat. Or the beaver who waddled through our barnyard.

We like our fellow tenants.

1955]

MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			Days.		
	0	/		0	/		0	/		0	/		0	/	
	1	14N	59	7	16	44	13	18	18	19	19	42	25	20	54
	2	15	17	8	17	00	14	18	33	20	19	55	26	21	04
	3	15	35	9	17	16	15	18	48	21	20	07	27	21	15
	4	15	53	10	17	32	16	19	02	22	20	19	28	21	25
	5	16	10	11	17	48	17	19	16	23	20	31	29	21	34
	6	16	27	12	18	03	18	19	29	24	20	43	30	21	44

- Full Moon, 6th day, 5 h. 14 m., evening, E.
 ☾ Last Quarter, 14th day, 8 h. 42 m., evening, E.
 ● New Moon, 21st day, 3 h. 58 m., evening, W.
 ☽ First Quarter, 28th day, 9 h. 01 m., morning, E.

* KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun. Fast.	Full Sea.		☽	Key	☽	☽'s	Moon's Arc
			Rises.	Key	Sets.	Key			Morn.	Even.					
			h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	
121	1	S.	4	40	F	6 44	L	14 04	19	6 ³ / ₄	7 ¹ / ₄	1 ^A _M 52	J	8 ^P _M 07	VIR 10
122	2	M.	4	38	F	6 45	L	14 06	19	7 ³ / ₄	8 ¹ / ₄	2 16	I	8 50	VIR 11
123	3	Tu.	4	37	E	6 46	M	14 09	19	8 ³ / ₄	9	2 41	H	9 34	LIB 12
124	4	W.	4	36	E	6 47	M	14 11	19	9 ¹ / ₂	9 ³ / ₄	3 06	G	10 18	LIB 13
125	5	Th.	4	35	E	6 48	M	14 14	19	10 ¹ / ₄	10 ¹ / ₂	3 ^A _M 32	F	11 03	SCO 14
126	6	Fr.	4	33	E	6 49	M	14 16	19	10 ³ / ₄	11	rises	—	11 ^P _M 49	SCO 15
127	7	Sa.	4	32	E	6 50	M	14 18	19	11 ¹ / ₂	11 ³ / ₄	7 ^P _M 56	N	—	—
128	8	S.	4	31	E	6 51	M	14 21	19	—	0 ¹ / ₄	8 51	O	12 ^A _M 37	SGR 16
129	9	M.	4	30	E	6 52	M	14 23	19	0 ¹ / ₄	0 ³ / ₄	9 41	O	1 26	SGR 17
130	10	Tu.	4	28	E	6 53	M	14 25	19	1	1 ¹ / ₂	10 25	N	2 16	SGR 18
131	11	W.	4	27	E	6 55	M	14 27	19	1 ³ / ₄	2 ¹ / ₄	11 03	N	3 05	CAP 19
132	12	Th.	4	26	E	6 56	M	14 30	19	2 ¹ / ₄	3	11 ^P _M 36	M	3 53	CAP 20
133	13	Fr.	4	25	E	6 57	M	14 32	19	3 ¹ / ₄	3 ³ / ₄	—	—	4 40	AQR 21
134	14	Sa.	4	24	E	6 58	M	14 34	19	4	4 ¹ / ₂	12 ^A _M 06	L	5 26	AQR 22
135	15	S.	4	23	E	6 59	M	14 36	20	5	5 ¹ / ₂	12 33	K	6 11	AQR 23
136	16	M.	4	22	E	7 00	N	14 38	19	5 ³ / ₄	6 ¹ / ₄	12 59	J	6 57	PSC 24
137	17	Tu.	4	21	D	7 01	N	14 40	19	6 ³ / ₄	7 ¹ / ₄	1 26	I	7 44	PSC 25
138	18	W.	4	20	D	7 02	N	14 42	19	7 ³ / ₄	8	1 53	G	8 34	ARI 26
139	19	Th.	4	19	D	7 03	N	14 44	19	8 ³ / ₄	9	2 24	F	9 28	ARI 27
140	20	Fr.	4	18	D	7 04	N	14 46	19	9 ¹ / ₂	9 ³ / ₄	3 ^A _M 01	E	10 25	TAU 28
141	21	Sa.	4	17	D	7 05	N	14 48	19	10 ¹ / ₂	10 ³ / ₄	sets	—	11 ^M _M 27	TAU 29
142	22	S.	4	16	D	7 06	N	14 50	19	11 ¹ / ₄	11 ¹ / ₂	8 ^P _M 26	O	12 ^M _M 32	G'M 1
143	23	M.	4	16	D	7 07	N	14 51	19	—	0 ¹ / ₄	9 26	O	1 36	G'M 2
144	24	Tu.	4	15	D	7 08	N	14 53	19	0 ¹ / ₂	1	10 14	N	2 39	CNC 3
145	25	W.	4	14	D	7 09	N	14 55	19	1 ¹ / ₄	2	10 54	M	3 37	CNC 4
146	26	Th.	4	13	D	7 10	N	14 56	19	2 ¹ / ₄	3	11 27	L	4 30	LEO 6
147	27	Fr.	4	13	D	7 10	N	14 58	19	3 ¹ / ₄	4	11 ^P _M 55	J	5 19	LEO 7
148	28	Sa.	4	12	D	7 11	N	14 59	19	4 ¹ / ₄	4 ³ / ₄	—	—	6 05	VIR 8
149	29	S.	4	11	D	7 12	N	15 01	19	5 ¹ / ₄	5 ³ / ₄	12 ^A _M 21	I	6 49	VIR 9
150	30	M.	4	11	D	7 13	N	15 02	18	6 ¹ / ₄	6 ³ / ₄	12 45	H	7 33	LIB 10
151	31	Tu.	4	10	D	7 14	N	15 04	18	7 ¹ / ₄	7 ³ / ₄	1 ^A _M 10	G	8 ^P _M 16	LIB 11

MAY hath 31 days.

[1955



To a blue thing, a green thing,
Something happy, something new,
A man will bring
His tiredness, his need
Of green, of blue.

The new leaf, the flower seen
Barely, in the long grass,
Because of what they mean
To tiredness in the heart,
He will not pass,

At once, but stay till he renew,
Within, a green thing or a blue.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	B	3rd daf. E. St. Philip & St. James	{9.2 Warm {9.1
2	M.	No more 20c Pieces 1875	☾ on Tides {9.1 and Eq. {9.4
3	Tu.	Invention of Cross	Tides {9.1 fine, {9.7
4	W.	Abrahams 2nd Call B.C. 2055	Hol. R.I. Tides {9.1 its {9.9
5	Th.	[6th Bannister Mile — 3:59:4	♁♂♂ {9.0 about {10.0
6	Fr.	Flower Cherries Moon Blossom 1819	Tides {9.0 time. {10.1
7	Sa.	Kentucky Dien Blen Derby Phu 1954	♁♂♂ {8.9 Looks {10.1
8	B	4th S. a. E. Mother's Day	☾ in Apo {8.8
9	M.	♁♂♂☾ rides low	Tides {10.0 good but {8.7
10	Tu.	♁ Gr. Hel. Lat. N. ♁♂♂	Mem. Day {9.8 be- N.C.-S.C. {8.6
11	W.	The Three Chilly Saints	{9.6 ware a {8.4
12	Th.	St. Pankratus St. Liberatus	{9.4 storm's {8.4
13	Fr.	Gosnold Disc. Cape Cod 1814	Tides {9.2 in {8.4
14	Sa.	Rog. S.	Tides {9.0 the {8.5
15	B	☾ on Eq.	Tides {9.0 air {8.8
16	M.	Rain 5.7 in Mass. 1954	♁♂♂ Minor Rogation {9.2 Humid ♀ Lat. S. {9.8
17	Tu.	Apple Trees in Bloom	Days {9.4 perhaps {10.4
18	W.	Ascension Day	♁♂♂ Tides {9.7 after {11.0
19	Th.	Lindberg Hop 1927	Hol. N.C. Tides {10.0 the rains {11.4
20	Fr.	Armed Forces Day	♁♂♂ Gr. El. E. in Per. {10.2 la- {11.8
21	Sa.	1st S. a. A.	♁♂♂ High Rog. {10.8 pse. {11.9
22	B	Last Confed. Flag Lowered Shreveport 1865	Tides {10.2 Now {11.8 it is {10.1
23	M.	♁♂♂☾	Tides {11.4 hot, now {9.9
24	Tu.	[27th 1200 Horses Suffocated 1887	N.Y.C. {10.9 it is {9.6
25	W.	SHA VUOTH	R.I. Peaches Bloomed 1740 Tides {10.4 {9.4
26	Th.	Bennington Disaster 1954 (26th)	Tides {9.8 not. {9.8
27	Fr.	Whit. S. Pentecost	☾ on Eq. {9.3 A {9.8
28	Sa.	MEMORIAL DAY	Tides {8.9 dour {9.3
29	B	Topcka, Kansas Floods, 1903	Tides {8.7 shower {9.4
30	M.		
31	Tu.		

Aerial spraying seems to have reached its peak of efficiency in combating, in Massachusetts, the gypsy moth that has in the past left thousands of acres defoliated. Eradication of the moth is almost a sure thing if records of the last few years bear out their promise. The fight has been on for well over half a century, during the first years of which the method was for crews to simply scour the woods and destroy egg clusters. But in 1949—220,000 acres in Barnstable County, a "hot spot" of infestation, saw the first aerial spraying against the gypsy. DDT was the material. Complete eradication was the result.

Though the fight is still on, the method proves as effective as ever. The planning and cooperation that lie behind this job being done by Massachusetts is the reason for success. The spearhead, of course, is the lethal spray of 9% solution of DDT that falls on the infested areas. The brains and the heart of the enterprise are in the Massachusetts Department of Natural Resources, a far-seeing governor, and a legislature who have provided funds to support it. In the field tree wardens and moth wardens map out the areas to be sprayed and mark elevated locations to guide the planes in their work and, incidentally, warn the public to cover their cars and not hang out the wash while the DDT is in the air.

1955]

JUNE, SIXTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /	
	1	22	N.01	7	22 43	13	23 12	19	23 25	25	23 24	
2	22	09	8	22 49	14	23 15	20	23 26	26	23 22		
3	22	17	9	22 55	15	23 18	21	23 27	27	23 20		
4	22	24	10	22 59	16	23 20	22	23 27	28	23 18		
5	22	31	11	23 04	17	23 22	23	23 26	29	23 15		
6	22	37	12	23 08	18	23 24	24	23 25	30	23 12		

- Full Moon, 5th day, 9 h. 08 m., morning, W.
- ☾ Last Quarter, 13th day, 7 h. 37 m., morning, W.
- New Moon, 19th day, 11 h. 12 m., evening, W.
- ☽ First Quarter, 26th day, 8 h. 44 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		Key	☽		Key	Length of Days.		Sun Fast.	Full Sea. Boston.		☽	Key	☽		☽'s Place	☽'s Age
			Rises.	h. m.		Sets.	h. m.		h.	m.		h.	m.			h.	m.		
152	1	W.	4	10	D	7	15	N	15	05	18	8 $\frac{1}{4}$	8 $\frac{1}{2}$	1 ^A _M 36	F	9 ^F _M 01	SCO	12	
153	2	Th.	4	09	D	7	15	N	15	06	18	9	9 $\frac{1}{4}$	2 04	E	9 47	SCO	13	
154	3	Fr.	4	09	C	7	16	O	15	07	18	9 $\frac{3}{4}$	10	2 37	D	10 34	SGR	14	
155	4	Sa.	4	08	C	7	17	O	15	09	18	10 $\frac{1}{2}$	10 $\frac{1}{2}$	3 ^A _M 15	D	11 ^P _M 23	SGR	15	
156	5	S.	4	08	C	7	18	O	15	10	18	11	11 $\frac{1}{4}$	rises	—	—	—	—	
157	6	M.	4	08	C	7	18	O	15	11	17	11 $\frac{3}{4}$	11 $\frac{3}{4}$	8 ^P _M 23	O	12 ^A _M 12	SGR	16	
158	7	Tu.	4	07	C	7	19	O	15	12	17	—	0 $\frac{1}{2}$	9 03	N	1 01	CAP	17	
159	8	W.	4	07	C	7	20	O	15	13	17	0 $\frac{1}{2}$	1	9 38	M	1 50	CAP	18	
160	9	Th.	4	07	C	7	20	O	15	13	17	1 $\frac{1}{4}$	1 $\frac{3}{4}$	10 09	L	2 37	CAP	19	
161	10	Fr.	4	06	C	7	21	O	15	14	17	2	2 $\frac{1}{2}$	10 36	K	3 23	AQR	20	
162	11	Sa.	4	06	C	7	21	O	15	15	16	2 $\frac{3}{4}$	3 $\frac{1}{4}$	11 02	J	4 08	AQR	21	
163	12	S.	4	06	C	7	22	O	15	16	16	3 $\frac{1}{2}$	4	11 27	I	4 53	PSC	22	
164	13	M.	4	06	C	7	22	O	15	16	16	4 $\frac{1}{4}$	4 $\frac{3}{4}$	11 ^P _M 54	II	5 38	PSC	23	
165	14	Tu.	4	06	C	7	23	O	15	17	16	5 $\frac{1}{4}$	5 $\frac{3}{4}$	—	—	6 25	ARI	24	
166	15	W.	4	06	C	7	23	O	15	17	16	6 $\frac{1}{4}$	6 $\frac{3}{4}$	12 ^A _M 22	G	7 15	ARI	25	
167	16	Th.	4	06	C	7	24	O	15	18	15	7 $\frac{1}{4}$	7 $\frac{1}{2}$	12 55	E	8 09	TAU	26	
168	17	Fr.	4	06	C	7	24	O	15	18	15	8 $\frac{1}{4}$	8 $\frac{1}{2}$	1 34	D	9 07	TAU	27	
169	18	Sa.	4	06	C	7	24	O	15	18	15	9 $\frac{1}{4}$	9 $\frac{1}{2}$	2 ^A _M 22	C	10 10	G'M	28	
170	19	S.	4	06	C	7	25	O	15	18	15	10	10 $\frac{1}{4}$	sets	—	11 ^A _M 14	G'M	29	
171	20	M.	4	06	C	7	25	O	15	19	15	11	11 $\frac{1}{4}$	8 ^P _M 03	N	12 ^P _M 19	CNC	1	
172	21	Tu.	4	06	C	7	25	O	15	19	14	—	0	8 48	M	1 20	CNC	2	
173	22	W.	4	07	C	7	25	O	15	19	14	0 $\frac{1}{4}$	0 $\frac{3}{4}$	9 24	L	2 17	LEO	3	
174	23	Th.	4	07	C	7	26	O	15	19	14	1	1 $\frac{3}{4}$	9 55	K	3 10	LEO	4	
175	24	Fr.	4	07	C	7	26	O	15	18	14	2	2 $\frac{1}{2}$	10 23	J	3 59	VIR	5	
176	25	Sa.	4	08	C	7	26	O	15	18	13	2 $\frac{3}{4}$	3 $\frac{1}{2}$	10 48	H	4 45	VIR	6	
177	26	S.	4	08	C	7	26	O	15	18	13	3 $\frac{3}{4}$	4 $\frac{1}{4}$	11 13	G	5 30	LIB	7	
178	27	M.	4	08	C	7	26	O	15	18	13	4 $\frac{3}{4}$	5 $\frac{1}{4}$	11 ^P _M 39	F	6 14	LIB	8	
179	28	Tu.	4	09	C	7	26	O	15	17	13	5 $\frac{3}{4}$	6 $\frac{1}{4}$	—	—	6 58	LIB	9	
180	29	W.	4	09	C	7	26	O	15	17	13	6 $\frac{3}{4}$	7	12 ^A _M 07	E	7 44	SCO	10	
181	30	Th.	4	09	C	7	26	O	15	16	12	7 $\frac{1}{2}$	8	12 ^A _M 38	D	8 ^P _M 31	SCO	11	

JUNE hath 30 days.

[1955



Flowers will take our disregard,
And tilt it, with a special air.
— A new and glittering and hard
Inverted pride that they will wear;

So that a neighbor, passing by,
Will pause to see the taller stem
Lifting some faces to the eye,
Brighter than he remembered them.

And this look they will wear, as well,—
And when you look again the sight
Of double shining, there, will tell
Our disregard and his delight.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
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1 W.	NICOMEDE	♂ Ψ ☾	Ember Day	{ 8.5 9.6	Take
2 Th.	22.4 lb. Bass caught 1932	♀ in ☽	Tides	{ 8.5 9.7	refuge,
3 Fr.	♂ ♀	Stat. in R.A.	Hol. So.	{ 18.5 19.8	a
4 Sa.	Michellimackinac Massacre 1763	in ☾	Ember Apo Days	{ 8.5 9.9	
5 B	Trinity S.	Inv. Moon	rises low	{ 8.5 9.9	deluge.
6 M.	Debt Imprisonment Abolished 1798		Tides	{ 18.5 19.9	
7 Tu.	1st U.S. Steel Bridge Spans Mo. River 1879		{ 8.6	Warms	
8 W.	Laurel now blooms in N.H.		Tides	{ 9.9 8.6	a bit
9 Th.	Corpus Christi	Worcester	Tides	{ 9.8 8.7	
10 Fr.	Bridget Bishop hanged 1692		Tides	{ 9.7 8.8	until
11 Sa.	Congress was broke 1783		Tides	{ 9.5 8.9	more
12 B	2nd af. Pent.		Tides	{ 9.4 9.1	showers
13 M.	♀ in Aph.	☾ on Eq.	Tides	{ 9.3 9.4	hit.
14 Tu.	Flag Day	Hol. Mo. Pa.	Tides	{ 9.2 9.8	These
15 W.	World's Largest Egg Laid 1834	{ 9.2	Hol. Idaho	{ 9.3	good
16 Th.	Sacred Heart	♂ ♀ ☽	Inf.	{ 9.3 10.7	days
17 Fr.	Bunker Hill	Hol. Suff. Cty. Mass.	{ 9.5 11.2	its true	
18 Sa.	[19th	♂ ♀ ☾ ☾	in Peril.	{ 9.7 11.6	will
19 B	3rda. ♀.	☽	Total Eclipse	{ 10.0 11.8	
20 M.	Blake Ate 61 Eggs	Year's Highest Tide	W. Va.	{ 10.2 11.9	
21 Tu.	SUM. Begins 11.32 P.M.	☽ on Eq.	en. ☽	{ 10.2	cause
22 W.	♂ ♀ ☾ [21st	♂ ☽ ☾ ☽ ☾ ☾		{ 11.8 10.2	no
23 Th.	Donati's Comet Reappeared 1881		Tides	{ 10.4 10.9	hullaba-
24 Fr.	John the Baptist		Tides	{ 10.9 10.0	loo.
25 Sa.	"Blood Thicker than Water" 1859	☾ on Eq.	{ 10.3 9.8	Wise	
26 B	3rda. Tr.		Tides	{ 9.7 9.6	fellers
27 M.	♀ Stat in R.A.	[26th-Pied Piper Piped Kids 1284]	{ 9.1 9.4	will	
28 Tu.	Wasp Capt. Reindeer 1814	♂ Ψ ☾	{ 8.6 9.3	carry	
29 W.	Sts. Peter & Paul	Marry today	Good luck always.	um-	
30 Th.	♂ ♀ ♀	♂ ♀ ☾	Tides	{ 8.1 9.4	brdilas.

Fences are of many kinds and of extraordinary variety. In our farming landscape they are often as picturesque as the fields and trees they enclose. And to enclose and to protect is the primary purpose of fences, whether the sturdy old stone walls; the rail fence, straight or crazily staggered; the stump fence sometimes still seen in Vermont; the living fence of multiflora rose; the barbed wire and other wire of many patterns; or the single strand electric fence. Fences are as friendly (yes, even that curmudgeon barb wire) as the good gates through which we enter them—all, that is, save the electric fence. It may be a killer.

E. C. Schneider, Agricultural Engineer and Vice President of the Vermont Farm Safety Council writes in the *New England Homestead*, that while commercially made fences of as much as 110 volts are approved by the Underwriter's Laboratories, the 6 volt type is generally adequate and far cheaper and safer. A homemade electric fence that is simply being continuously charged may well be an "electric chair" for anyone who touches it and "freezes" to it. The safest kind of electric fence controller is one that intermittently charges and stops, thus releasing anyone in contact with the fence.

To free anyone "frozen" to a fence, ground the fence by leaning a piece of metal against it, but be sure that the metal is in contact with the ground before the fence.

"Plant when white oak leaves are goslin gray. be it April, June, or May."

1955]

JULY, SEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /	
	1	23 ^N 08	7	22 37	13	21 53	19	20 54	25	19 44		
2	23 04	8	22 31	14	21 44	20	20 43	26	19 31			
3	22 59	9	22 25	15	21 36	21	20 32	27	19 17			
4	22 54	10	22 17	16	21 25	22	20 21	28	19 04			
5	22 49	11	22 09	17	21 15	23	20 09	29	18 50			
6	22 43	12	22 01	18	21 05	24	19 56	30	18 35			

○ Full Moon, 5th day, 12 h. 28 m., morning, W.

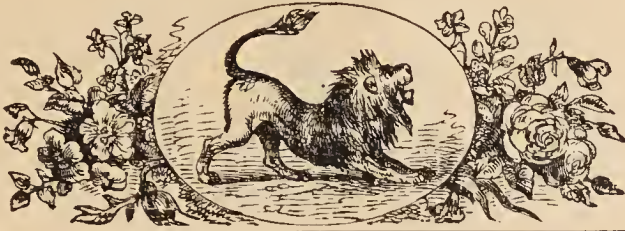
☾ Last Quarter, 12th day, 3 h. 31 m., evening, W.

● New Moon, 19th day, 6 h. 34 m., morning, E.

☽ First Quarter, 26th day, 10 h. 59 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises.		Key	☽ Sets.		Key	Length of Days.		Sun Fast.	Full Sea, Boston.		☽ Sets.	Key	☽ Souths.		☽'s Place	☽'s Moon's Age
			h.	m.		h.	m.		h.	m.		h.	m.			h.	m.		
182	1	Fr.	4	10	C	7	26	O	15	16	12	8 $\frac{1}{2}$	8 $\frac{3}{4}$	1 $\frac{A}{M}$ 14	D	9 $\frac{P}{M}$ 19	SGR	12	
183	2	Sa.	4	10	C	7	25	O	15	15	12	9 $\frac{1}{4}$	9 $\frac{1}{2}$	1 55	C	10 08	SGR	13	
184	3	S.	4	11	C	7	25	O	15	14	12	10	10	2 42	C	10 58	CAP	14	
185	4	M.	4	12	C	7	25	O	15	14	12	10 $\frac{3}{4}$	10 $\frac{3}{4}$	3 $\frac{A}{M}$ 36	C	11 $\frac{P}{M}$ 47	CAP	16	
186	5	Tu.	4	12	C	7	25	O	15	13	12	11 $\frac{1}{4}$	11 $\frac{1}{2}$	rises	—	—	—	—	
187	6	W.	4	13	C	7	25	O	15	12	11	—	0	8 $\frac{P}{M}$ 12	M	12 $\frac{A}{M}$ 34	CAP	17	
188	7	Th.	4	13	C	7	24	O	15	11	11	0	0 $\frac{1}{2}$	8 41	L	1 21	AQR	18	
189	8	Fr.	4	14	C	7	24	O	15	10	11	0 $\frac{3}{4}$	1 $\frac{1}{4}$	9 07	K	2 07	AQR	19	
190	9	Sa.	4	15	C	7	23	O	15	09	11	1 $\frac{1}{2}$	2	9 32	I	2 51	PSC	20	
191	10	S.	4	15	C	7	23	O	15	08	11	2 $\frac{1}{4}$	2 $\frac{3}{4}$	9 58	H	3 36	PSC	21	
192	11	M.	4	16	D	7	23	N	15	06	11	3	3 $\frac{1}{2}$	10 24	G	4 22	PSC	22	
193	12	Tu.	4	17	D	7	22	N	15	05	10	3 $\frac{3}{4}$	4 $\frac{1}{4}$	10 54	F	5 09	ARI	23	
194	13	W.	4	18	D	7	22	N	15	04	10	4 $\frac{3}{4}$	5 $\frac{1}{4}$	11 $\frac{P}{M}$ 29	E	6 00	ARI	24	
195	14	Th.	4	19	D	7	21	N	15	02	10	5 $\frac{3}{4}$	6 $\frac{1}{4}$	—	—	6 55	TAU	25	
196	15	Fr.	4	19	D	7	20	N	15	01	10	6 $\frac{3}{4}$	7 $\frac{1}{4}$	12 $\frac{A}{M}$ 12	D	7 53	TAU	26	
197	16	Sa.	4	20	D	7	20	N	15	00	10	7 $\frac{3}{4}$	8 $\frac{1}{4}$	1 04	C	8 55	G'M	27	
198	17	S.	4	21	D	7	19	N	14	58	10	8 $\frac{3}{4}$	9 $\frac{1}{4}$	2 06	C	9 59	G'M	28	
199	18	M.	4	22	D	7	18	N	14	56	10	9 $\frac{3}{4}$	10 $\frac{1}{4}$	3 $\frac{A}{M}$ 17	D	11 $\frac{A}{M}$ 01	CNC	29	
200	19	Tu.	4	23	D	7	18	N	14	55	10	10 $\frac{3}{4}$	11	sets	—	12 $\frac{P}{M}$ 01	CNC	0	
201	20	W.	4	24	D	7	17	N	14	53	10	11 $\frac{1}{2}$	—	7 $\frac{P}{M}$ 53	K	12 56	LEO	1	
202	21	Th.	4	25	D	7	16	N	14	52	10	0	0 $\frac{1}{2}$	8 22	J	1 48	LEO	2	
203	22	Fr.	4	25	D	7	15	N	14	50	9	0 $\frac{3}{4}$	1 $\frac{1}{4}$	8 49	I	2 37	VIR	3	
204	23	Sa.	4	26	D	7	14	N	14	48	9	1 $\frac{1}{2}$	2	9 15	H	3 23	VIR	4	
205	24	S.	4	27	D	7	13	N	14	46	9	2 $\frac{1}{2}$	3	9 41	G	4 08	LIB	5	
206	25	M.	4	28	D	7	12	N	14	44	9	3 $\frac{1}{4}$	3 $\frac{3}{4}$	10 09	F	4 54	LIB	6	
207	26	Tu.	4	29	D	7	11	N	14	42	9	4 $\frac{1}{4}$	4 $\frac{1}{2}$	10 39	E	5 39	SCO	7	
208	27	W.	4	30	D	7	10	N	14	40	9	5	5 $\frac{1}{2}$	11 13	D	6 26	SCO	8	
209	28	Th.	4	31	D	7	09	M	14	38	9	6	6 $\frac{1}{2}$	11 $\frac{P}{M}$ 53	C	7 14	SGR	10	
210	29	Fr.	4	32	E	7	08	M	14	36	9	7	7 $\frac{1}{4}$	—	—	8 03	SGR	11	
211	30	Sa.	4	33	E	7	07	M	14	34	9	8	8 $\frac{1}{4}$	12 $\frac{A}{M}$ 38	C	8 52	SGR	12	
212	31	S.	4	34	E	7	06	M	14	32	9	8 $\frac{3}{4}$	9	1 $\frac{A}{M}$ 29	C	9 $\frac{P}{M}$ 42	CAP	13	



The man goes walking here, under the stars,
 Now when the summer stars are large and near;
 And in his breast, the roaring personal wars
 Diminish to a gnat's hum in his ear;
 That inner field, no longer torn and scarred,
 Is whole and rich, as though in summer grass,
 Under a faithful sky so gravely starred
 He has forgotten, nearly, how it was.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Fr.	Charlie Ross Abducted 1874	Tides {8.0 9.5} Plenty
2	Sa.	Visit. of Mary	in low Tides {8.1 9.6} of
3	B	4th S. a. T.	Gr. Hel. {8.2 9.7} thunder
4	M.	Independence Day	in Aph. {8.4 9.8} from
5	Tu.	Buck Northampton Moon Shower 1769	{8.5 9.9} way up
6	W.	Life with Father Conceived 1933	♂♂♂ {8.7} yonder.
7	Th.	St. Frances Cabrini	Tides {10.0 8.9}
8	Fr.	Sullivan Beat Kilrain 1889	Ψ Stat. in R.A. {10.0 9.1} Good
9	Sa.	Ohio Tornado 1891	♀ W. Tides {9.9 9.8} week
10	B	6th a. ♀.	on Eq. Tides {9.8 9.5} for
11	M.	Hamilton-Burr Duel 1804	Tides {9.6 9.7} hayin',
12	Tu.	Whistler got his Mother, 1834	♀ in ♂ {9.4 10.0} is the
13	W.	Tornado 1875 West Point	Hol. Tenn. Tides {9.7 10.2} old
14	Th.	Bastille Day	Tides {9.1 10.4} sayin'.
15	Fr.	St. Swithin	Tides {9.1 10.8}
16	Sa.	World's 1st Atom Bomb Expl.	1945 runs high {9.2 11.1} Hail
17	B	7th a. ♀.	♂♂ in Peri {9.5 11.4} the
18	M.	♂♀ C □ Ψ ⊙	Tides {9.8 11.6} fields
19	Tu.	♂ ♂ C h	Stat. in R.A. Tides {10.1 11.7} will
20	W.	♂♂ C ♂ ♀ C	Tides {10.4 11.6} flail.
21	Th.	"Yellow Bellies" Orig. 1885	♂ ♂ ⊙ {10.4} Hot
22	Fr.	♀ in ♂	on Eq. Tides {11.3 10.4} and
23	Sa.	1st Eng. Paper Publ. 1583	Tides {10.8 10.2} dry,
24	B	7th a. T.	♂♂ ♀ Utah Hol. {10.2 10.0} nice
25	M.	St. James, Apostle	DOG DAYS BEGIN {9.5 9.7} blue
26	Tu.	Joseph Lee Day	♂ Ψ C Tides {8.8 9.4} sky.
27	W.	♀ in Peri	♂ h C ♂ ♀♀ {8.8 9.2} Sudden
28	Th.	Ponies Penned Assateague, Va.	Tides {7.9 9.0} showers
29	Fr.	♂♂ ♂	in Apo. Tides {7.8 9.0} during
30	Sa.	♂ Tides low	1st Masonic Lodge Boston 1733 {7.8 9.2} odd
31	B	7th a. T.	♂ ♀ ♂ {7.9 9.8} hours.

When he was a young man, my uncle told me, he worked as a telegraph operator at a little railroad stop somewhere in the deep South. He said he remembered a great storm when the lightning rolled in fiery balls along the rails and the telegraph keys melted under his fingers. This may have been so, though my uncle's memories of storms were always huge and cataclysmic. At any rate, he was a very great lover of storms. And he made me love them, too.

For my uncle, rain was not a thing just for rubbers or umbrellas, or snow for the shovel. The excitement of them was in his blood, and his senses were all alive to their presence or their coming. He feasted on the slant of the rain and the deepening drift.

He scorned barometers and thermometers but laid great store by the smoke from the chocolate mill chimney; and the sounds of the wind in his elms were all-meaning to him.

I can see him now rocking on his porch and taking, as it were, the pulse of a fair day, keened for the first signs of foul weather. (Fair days were very depressing to him.) I almost believe he conjured up storms, or they hurried along ahead of time just to relieve the boredom of an old man rocking on his porch.

Of course he kept a weather diary. The last entry was—"Snow—wind north-east—strong."

1955] AUGUST, EIGHTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	18	N.	06	7	16	31	13	14	51	19	12	53	25	10	52
	2	17	51		8	16	14	14	14	33	20	12	33	26	10	31
	3	17	35		9	15	57	15	14	09	21	12	13	27	10	11
	4	17	20		10	15	40	16	13	50	22	11	53	28	9	50
	5	17	04		11	15	27	17	13	31	23	11	33	29	9	28
	6	16	47		12	15	09	18	13	12	24	11	13	30	9	07

○ Full Moon, 3rd day, 2 h. 30 m., evening, E.

☾ Last Quarter, 10th day, 9 h. 33 m., evening, E.

● New Moon, 17th day, 2 h. 58 m., evening, W.

☽ First Quarter, 25th day, 3 h. 51 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☺ Rises. h. m.	Key	☻ Sets. h. m.	Key	Length of Days. h. m.	Sun East. m.	Full Sea. Boston. Morn'Even h. h.	☽ Sets. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Asc. Place	
213	1	M.	4 35	E	7 05	M	14 30	9	9 1 ₂	9 3 ₄	D	10 ^P _M 30	CAP	14	
214	2	Tu.	4 36	E	7 04	M	14 28	10	10 1 ₄	10 1 ₂	D	11 ^P _M 18	AQR	15	
215	3	W.	4 37	E	7 03	M	14 26	10	10 3 ₄	11		rises			
216	4	Th.	4 38	E	7 02	M	14 23	10	11 1 ₂	11 3 ₄	K	12 ^A _M 04	AQR	16	
217	5	Fr.	4 39	E	7 00	M	14 21	10	—	0	J	12 50	AQR	17	
218	6	Sa.	4 40	E	6 59	M	14 19	10	0 1 ₄	0 3 ₄	I	1 35	PSC	18	
219	7	S.	4 41	E	6 58	M	14 16	10	1	1 1 ₂	H	2 21	PSC	19	
220	8	M.	4 42	E	6 57	M	14 14	10	1 3 ₄	2 1 ₄	F	3 08	ARI	20	
221	9	Tu.	4 44	E	6 55	M	14 12	10	2 1 ₂	3	E	3 57	ARI	21	
222	10	W.	4 45	E	6 54	M	14 09	10	3 1 ₂	3 3 ₄	D	4 49	TAU	22	
223	11	Th.	4 46	E	6 53	L	14 07	10	4 1 ₄	4 3 ₄	C	5 45	TAU	23	
224	12	Fr.	4 47	F	6 51	L	14 04	11	5 1 ₂	5 3 ₄	C	6 44	G'M	24	
225	13	Sa.	4 48	F	6 50	L	14 02	11	6 1 ₂	7		7 45	G'M	25	
226	14	S.	4 49	F	6 48	L	14 00	11	7 1 ₂	8	C	8 46	CNC	26	
227	15	M.	4 50	F	6 47	L	13 57	11	8 1 ₂	9	D	9 46	CNC	27	
228	16	Tu.	4 51	F	6 45	L	13 54	11	9 1 ₂	10	E	10 42	LEO	28	
229	17	W.	4 52	F	6 44	L	13 52	12	10 1 ₂	10 3 ₄		sets	11 ^A _M 35	LEO	29
230	18	Th.	4 53	F	6 42	L	13 49	12	11 1 ₄	11 1 ₂	J	12 ^P _M 25	VIR	1	
231	19	Fr.	4 54	F	6 41	L	13 47	12	—	0	H	1 13	VIR	2	
232	20	Sa.	4 55	F	6 39	L	13 44	12	0 1 ₂	0 3 ₄	G	2 00	LIB	3	
233	21	S.	4 56	F	6 38	L	13 42	12	1 1 ₄	1 1 ₂	F	2 46	LIB	4	
234	22	M.	4 57	F	6 36	L	13 39	13	2	2 1 ₄	E	3 32	SCO	5	
235	23	Tu.	4 58	F	6 35	L	13 36	13	2 3 ₄	3	D	4 19	SCO	6	
236	24	W.	4 59	G	6 33	K	13 34	13	3 1 ₂	4	D	5 07	SCO	7	
237	25	Th.	5 01	G	6 32	K	13 31	13	4 1 ₂	4 3 ₄	C	5 56	SGR	8	
238	26	Fr.	5 02	G	6 30	K	13 28	14	5 1 ₂	5 3 ₄	C	6 45	SGR	9	
239	27	Sa.	5 03	G	6 28	K	13 26	14	6 1 ₂	6 3 ₄		7 34	CAP	10	
240	28	S.	5 04	G	6 27	K	13 23	14	7 1 ₄	7 1 ₂	D	8 23	CAP	11	
241	29	M.	5 05	G	6 25	K	13 20	15	8 1 ₄	8 2 ₂	D	9 11	CAP	12	
242	30	Tu.	5 06	G	6 23	K	13 18	15	9	9 1 ₄	E	9 58	AQR	13	
243	31	W.	5 07	G	6 22	K	13 15	15	9 3 ₄	10	F	10 ^P _M 45	AQR	14	

AUGUST hath 31 days.

[1955



Just here the winter raged,
And warred, in wind and snow;
And as the winter aged,
We thought of what we know:
How wars and winter's end,
And the old pact is signed,
For broken things to mend,
And grieving things to find
Their healing in new grass . . .
So did it come to pass.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	M.	Lammas Day Hol. Tides {8.2 9.6	Go
2	Tu.	Boston's First Iron Mail Boxes 1858 Tides {8.5 9.8	roll
3	W.	Sturgeon Medford Pears Moon Ripe 1646 Tides {8.8 10.0	in
4	Th.	♂ ♀ ♀ Tides {9.1 10.1	the
5	Fr.	Hiroshima Bomb — 1945 ♂ ♀ ♀ Sup {9.4	clover,
6	Sa.	Trans. ♀ Gr. Hel. on (10.2 Lat. S. Eq. { 9.7	Summer
7	B	10th a. ♀. ♂ Gr. Hel. (10.2 Lat. N. □ h ⊙ { 10.0	
8	M.	1st Mail Coaches 1784 [7th ♂ ♀ ♂] {10.0 1st Steam Train 1831 Tides {9.8 10.3	near
9	Tu.	St. Laurence Tides {9.5 10.3	over.
10	W.	Hay Fever Season ♂ ♀ ♀ {9.2 10.3	The line
11	Th.	"All is Lost — Save the Royal Family" 1759 {8.9 10.4	storms
12	Fr.	♄ runs high [14th ♄ in Peri.] Tides {8.9 10.5	begin,
13	Sa.	11th a. ♀. Victory Day Ark. R. I. {9.1 9.8	put
14	B	ASSUM. ♀ in Peri ♂ ♂ ♂ {9.4 11.1	several
15	M.	Battle of Bennington, Vt. ♂ ♂ ♂ {9.9 11.3	reefs in.
16	Tu.	♂ ♀ ♀ ♂ ♂ ♂ Tides {10.2 11.3	A
17	W.	1927 Rec. World Low Bar. 26.185 ♂ ♀ ♂ {10.5 11.2	bit
18	Th.	"To Die for Liberty is a Pleasure" 1823 ♄ on Eq. {10.6	zippy,
19	Fr.	♄ E ⊙ Tides {10.9 10.6	perhaps
20	Sa.	11th a. Tr. King's Chapel Rebuilt 1754 Tides {10.4 10.4	
21	B	Osborne Fam. Murder 1751 ♂ ♀ ♂ {9.9 10.1	nippy.
22	M.	♄ ♀ ♂ ♂ h ♄ Tides {9.2 9.7	With
23	Tu.	St. Bartholomew Tides {8.6 9.8	cyclones
24	W.	1st INT. Polo Match 1886 Tides {8.1 9.0	at
25	Th.	♄ in Apo. ♄ rides low Tides {7.7 8.3	sea
26	Fr.	Grand Banks Storm 1883 Tides {7.7 8.8	that's
27	Sa.	12th a. Tr. 1st Speeder Sent. 1904 Tides {7.7 8.9	no
28	B	Boston Saw its First Freak 1771 ♀ in ♄ {8.0 9.1	place
29	M.	St. Flaccius Hol. La. Tides {8.4 9.5	to
30	Tu.	Kingston, R. I. Rain 1939 Tides {8.8 9.8	be.
31	W.		

It was some twenty years ago that our neighbor died. Either out of sentiment or sheer indifference, her only relative simply turned the key in the door and left the fine old brick house just the way it was. And so it has remained till now (the windows were at last boarded up) while time and weather, and rats and damp and dust, and local vandals had their way with it. At long last it will pass with its ghosts and decay to new owners, who, God willing, will banish them with the love and kindly living that old houses need.

What more is there to say of such lonely, lost old places, most lonely and lost when they stand as this one of my dead neighbor in its wilderness of abandoned pastures and hayfields?

As the real estate man and I entered with flashlights and I saw the familiar rocker, the school bell on the mantel (for years Jennie was our teacher),—and the chromos, and the Currier and Ives prints then the terrible litter, the dust, the wanton breakage of the hoodlums—I had one last thought for old houses and their owners. To owners, death, no matter how lingering, will come at last with the finality of a fallen latch, but to the abandoned home there is no death, but life that is not life—the endless years' decay.

1955]

SEPTEMBER, NINTH MONTH.

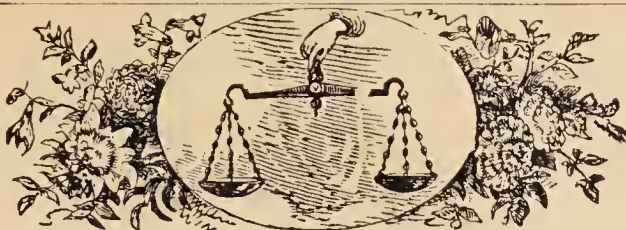
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.				
	0	1		0	1		0	1		0	1			
1	8N.24		7	6	11	13	3	55	19	1	36	25	0	44
2	8	02	8	5	49	14	3	32	20	1	13	26	1	07
3	7	40	9	5	26	15	3	09	21	0	50	27	1	30
4	7	18	10	5	04	16	2	46	22	0	26	28	1	54
5	6	56	11	4	41	17	2	23	23	0N.03		29	2	17
6	6	34	12	4	18	18	1	59	24	0s.20		30	2	41

- Full Moon, 2nd day, 2 h. 59 m., morning, W.
- ☾ Last Quarter, 9th day, 2 h. 59 m., morning, E.
- New Moon, 16th day, 1 h. 19 m., morning, E.
- ☽ First Quarter, 23rd day, 10 h. 40 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun. Past.	Full Sea. Boston.		D	D	D's	Moon's Age						
			Rises.	Key	Sets.	Key			Morn.	Even.					Sets.	Key	Souths.	Place		
			h.	m.	h.	m.	h.	m.	h.	h.	h.	m.	Place							
244	1	Th.	5	08	G	6	20	K	13	12	15	10 ¹ / ₄	10 ¹ / ₂	4 ^A _M 24	G	11 ^P _M 31	PSC	15		
245	2	Fr.	5	09	G	6	18	K	13	09	16	11	11 ¹ / ₄	rises	—	—	—	—		
246	3	Sa.	5	10	G	6	17	K	13	07	16	11 ¹ / ₂	—	6 ^P _M 33	H	12 ^A _M 17	PSC	16		
247	4	S.	5	11	G	6	15	K	13	04	16	0	0 ¹ / ₄	7	02	G	1	04	ARI	17
248	5	M.	5	12	G	6	13	J	13	01	17	0 ³ / ₄	1	7	34	F	1	54	ARI	18
249	6	Tu.	5	13	H	6	12	J	12	58	17	1 ¹ / ₂	1 ³ / ₄	8	11	E	2	46	TAU	19
250	7	W.	5	14	H	6	10	J	12	56	17	2 ¹ / ₄	2 ¹ / ₂	8	56	D	3	41	TAU	21
251	8	Th.	5	15	H	6	08	J	12	53	18	3	3 ¹ / ₂	9	48	C	4	39	G'M	22
252	9	Fr.	5	16	H	6	06	J	12	50	18	4	4 ¹ / ₂	10	49	C	5	39	G'M	23
253	10	Sa.	5	17	H	6	05	J	12	47	18	5 ¹ / ₄	5 ¹ / ₂	11 ^P _M 57	D	6	39	CNC	24	
254	11	S.	5	19	H	6	03	J	12	44	19	6 ¹ / ₄	6 ³ / ₄	—	—	—	7	37	CNC	25
255	12	M.	5	20	H	6	01	J	12	41	19	7 ¹ / ₄	7 ³ / ₄	1 ^A _M 09	E	8	33	LEO	26	
256	13	Tu.	5	21	H	5	59	J	12	39	19	8 ¹ / ₄	8 ³ / ₄	2	21	F	9	26	LEO	27
257	14	W.	5	22	H	5	58	J	12	36	20	9 ¹ / ₄	9 ³ / ₄	3	32	G	10	16	VIR	28
258	15	Th.	5	23	H	5	56	J	12	33	20	10	10 ¹ / ₂	4 ^A _M 42	H	11	04	VIR	29	
259	16	Fr.	5	24	H	5	54	J	12	30	20	11	11 ¹ / ₄	sets	—	11 ^A _M 51	VIR	0		
260	17	Sa.	5	25	H	5	52	I	12	27	21	11 ¹ / ₂	—	6 ^P _M 10	G	12 ^P _M 38	LIB	1		
261	18	S.	5	26	I	5	50	I	12	24	21	0	0 ¹ / ₄	6	39	F	1	24	LIB	3
262	19	M.	5	27	I	5	49	I	12	22	22	0 ³ / ₄	1	7	11	E	2	12	SCO	4
263	20	Tu.	5	28	I	5	47	I	12	19	22	1 ¹ / ₂	1 ³ / ₄	7	47	D	3	00	SCO	5
264	21	W.	5	29	I	5	45	I	12	16	22	2 ¹ / ₄	2 ¹ / ₂	8	28	D	3	48	SGR	6
265	22	Th.	5	30	I	5	43	I	12	13	23	3	3 ¹ / ₄	9	14	C	4	37	SGR	7
266	23	Fr.	5	31	I	5	42	I	12	10	23	3 ³ / ₄	4	10	06	C	5	27	SGR	8
267	24	Sa.	5	32	I	5	40	I	12	07	23	4 ³ / ₄	5	11 ^P _M 02	D	6	15	CAP	9	
268	25	S.	5	33	I	5	38	I	12	05	24	5 ³ / ₄	6	—	—	—	7	03	CAP	10
269	26	M.	5	34	I	5	36	I	12	02	24	6 ³ / ₄	7	12 ^A _M 02	E	7	50	AQR	11	
270	27	Tu.	5	36	I	5	35	I	11	59	24	7 ¹ / ₂	7 ³ / ₄	1	04	F	8	36	AQR	12
271	28	W.	5	37	I	5	33	I	11	56	25	8 ¹ / ₄	8 ¹ / ₂	2	07	G	9	22	PSC	13
272	29	Th.	5	38	J	5	31	H	11	53	25	9	9 ¹ / ₂	3	13	H	10	09	PSC	14
273	30	Fr.	5	39	J	5	29	H	11	50	25	9 ³ / ₄	10	4 ^A _M 20	I	10 ^P _M 56	PSC	15		



That was a different place, a taller town;
 A different sky is there . . . The sky looks down
 As best it can, there, between roof and steeple,
 Trying to find the street, to bless the people.
 And I was there, a man among those men,
 Walking those streets . . . My heels were louder, then,
 With the harsh sound they wrung from unblest stone
 Too long away from earth it once had known . . .
 I walk in grasses, now, and here the sky
 Looks down to see the twice-blest going by.

D.M. D.W. Aspects, Holidays, Heights of High Water, Weather, etc.

Farmer's Calendar.

1	Th.	Barnum Boom for Pres. 1855	♂♀☉	Sup.	{ 9.2 10.0	Mil-
2	Fr.	Harvest on Moon Eq.		{ 9.6 10.2		der for a
3	Sa.	Princess of Lamballe Dismembered 1792		{ 10.1 10.3		while,
4	B	14th a. ♀♀.		Tides { 10.4		hope
5	M.	Labor Day	Dog Days	{ 10.3 10.6		this
6	Tu.	McKinley Shot 1901	♀ Gr. Hel. Lat. N.	{ 10.1 10.7		makes
7	W.	John L. Sullivan K.O'd 1892		Tides { 9.8 10.6		you
8	Th.	Nativity of Mary		Tides { 9.4 10.4		smile.
9	Fr.	♀ in Aph in Peri Cruns High Calif.		Tides { 9.0 10.2		
10	Sa.	Arcadians Depart 1755	Gt. Storm 1889	{ 8.8 10.1		Brooks
11	B	15th a. ♀♀.		Tides { 8.8 10.1		are
12	M.	Election Day—Maine	♂☉♂ in Aph. Md.	{ 9.1 10.8		so
13	Tu.	[14th Speer Murder 1934]	♂♀☾	{ 9.5 10.5		high
14	W.	Holy Cross Day	Ember Day	Tides { 9.9 10.7		the
15	Th.	♂♂☾ on Eq.		Tides { 10.3 10.7		old
16	Fr.	♂♀☾	{ 10.6 10.6	Hol. Okla. Ember		well's
17	Sa.	Rosh Hasharah		Days { 10.7		never
18	B	15th a. ♂.	Ordination Day	{ 10.8 10.6		dry.
19	M.	[18th ♂♀☾ Gr. El. W. ♂♀☾]		{ 10.6 10.4		
20	Tu.	"There Hang 8 Fire-brands of Hell, 1692"	♂☾	Tides { 9.5 10.1		
21	W.	St. Matthew, Apostle		Tides { 8.9 9.7		Could
22	Th.	♂ Tides low	Animals Hibernating	Tides { 8.5 9.2		be
23	Fr.	Fall Begins 2.42 P.M.	♂☾ En-ers ☾	{ 8.1 8.9		
24	Sa.	John the Baptist Conceived		Tides { 7.8 8.6		all clear
25	B	16th a. ♂.	D.S.T. Ends Most States	{ 7.7 8.6		but
26	M.	Yom Kippur		Tides { 7.9 8.7		its not,
27	Tu.	Fr. Constitution Circum. Globe 1846		Tides { 8.2 9.0		
28	W.	Navy Abol. Flogging 1850		Tides { 8.7 9.3		Oh
29	Th.	St. Michael	♀ Gr. Hel. Lat. S.	Tides { 9.2 9.7		
30	Fr.	Ruth Hit 60th Home Run 1927	♂☾ on Eq.	{ 9.7 10.0		dear!

Our grandfathers' great shady orchards are of necessity becoming things of the past. Tall, thick, wide-spreading trees cannot profitably be maintained. Low-crowned, heavily pruned trees are what the successful orchardist achieves. He wants a tree that will be pruned enough "for a crow to fly through," and no higher than may be reached by his modern speed sprayer or duster.

We must believe that good fruit was grown on our grandfathers' big trees—but because of much less chance of blight or insect damage than to-day. To-day (to give one reason only) the development of new varieties and "crosses" has meant less sturdy resistance to the natural enemies. These show an ever-increasing tolerance to our fungicides and insecticides.

Many orchardists are now considering replacing the big "standards" with the well-established "semi-dwarfs." A semi-dwarf tree on Malling stock number VII grows to a height of only 12 to 15 feet, may be planted 20 x 20 as against "standards" 40 x 40, produces fruit two or three years earlier, and offers, obviously, the lightest of pruning and picking problems. On a well-tested root stock (and this is all important) such as Malling, the quality of growth and of the fruit is excellent. Trees planted five years should be producing five bushels.

Augustus stole this day for keeps.

1955]

OCTOBER, TENTH MONTH.

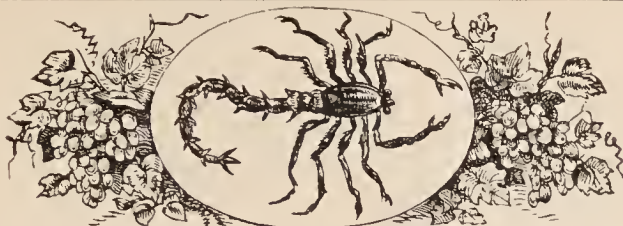
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			
	0	/		0	/		0	/		0	/		
1	3s.	04	7	5	23	13	7	39	19	9	52	25	12 00
2	3	27	8	5	46	14	8	02	20	10	14	26	12 20
3	3	50	9	6	09	15	8	24	21	10	35	27	12 41
4	4	14	10	6	31	16	8	46	22	10	57	28	13 01
5	4	37	11	6	54	17	9	08	23	11	18	29	13 21
6	5	00	12	7	17	18	9	30	24	11	39	30	13 41

- Full Moon, 1st day, 2 h. 17 m., evening, E.
- ☾ Last Quarter, 8th day, 9 h. 4 m., morning, W.
- New Moon, 15th day, 2 h. 32 m., evening, W.
- ☽ First Quarter, 23rd day, 6 h. 4 m., evening, W.
- Full Moon, 31st day, 1 h. 4 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun ² / ₁ Fast.	Full Sea, Boston.		☽	☽		☽'s Place	Moon's Age
			Rises.	Key	Sets.	Key			Morn.	Even.		Rises.	Souths.		
274	1	Sa.	5 40	J	5 28	H	11 48	26	10 $\frac{1}{2}$	10 $\frac{3}{4}$	rises	-	11 $\frac{P}{M}$ 46	ARI	16
275	2	S.	5 41	J	5 26	H	11 45	26	11	11 $\frac{1}{2}$	5 $\frac{P}{M}$ 34	F	-	-	-
276	3	M.	5 42	J	5 24	H	11 42	26	11 $\frac{3}{4}$	-	6 11	E	12 $\frac{A}{M}$ 38	ARI	17
277	4	Tu.	5 43	J	5 22	H	11 39	27	0 $\frac{1}{4}$	0 $\frac{1}{2}$	6 54	D	1 34	TAU	18
278	5	W.	5 44	J	5 21	H	11 36	27	1	1 $\frac{1}{4}$	7 45	C	2 32	TAU	19
279	6	Th.	5 45	J	5 19	H	11 34	27	2	2 $\frac{1}{4}$	8 44	C	3 33	G'M	20
280	7	Fr.	5 47	J	5 17	H	11 31	28	2 $\frac{3}{4}$	3 $\frac{1}{4}$	9 50	D	4 33	G'M	21
281	8	Sa.	5 48	J	5 16	H	11 28	28	3 $\frac{3}{4}$	4 $\frac{1}{4}$	11 $\frac{P}{M}$ 00	E	5 32	CNC	22
282	9	S.	5 49	J	5 14	H	11 25	28	5	5 $\frac{1}{4}$	-	-	6 28	CNC	23
283	10	M.	5 50	K	5 12	G	11 22	28	6	6 $\frac{1}{2}$	12 $\frac{A}{M}$ 11	F	7 21	LEO	24
284	11	Tu.	5 51	K	5 11	G	11 19	29	7	7 $\frac{1}{2}$	1 21	G	8 11	LEO	25
285	12	W.	5 52	K	5 09	G	11 17	29	8	8 $\frac{1}{2}$	2 30	H	8 59	VIR	26
286	13	Th.	5 53	K	5 07	G	11 14	29	9	9 $\frac{1}{2}$	3 37	I	9 46	VIR	27
287	14	Fr.	5 55	K	5 06	G	11 11	29	9 $\frac{3}{4}$	10 $\frac{1}{4}$	4 $\frac{A}{M}$ 43	J	10 32	LIB	28
288	15	Sa.	5 56	K	5 04	G	11 08	30	10 $\frac{1}{2}$	11	sets	-	11 $\frac{A}{M}$ 18	LIB	29
289	16	S.	5 57	K	5 02	G	11 06	30	11 $\frac{1}{4}$	11 $\frac{1}{2}$	5 $\frac{P}{M}$ 10	E	12 $\frac{P}{M}$ 04	SCO	1
290	17	M.	5 58	K	5 01	G	11 03	30	11 $\frac{3}{4}$	-	5 45	D	12 52	SCO	2
291	18	Tu.	5 59	K	4 59	G	11 00	30	0 $\frac{1}{4}$	0 $\frac{1}{2}$	6 24	D	1 41	SCO	3
292	19	W.	6 00	K	4 58	G	10 57	31	1	1 $\frac{1}{4}$	7 09	C	2 30	SGR	4
293	20	Th.	6 02	K	4 56	G	10 55	31	1 $\frac{3}{4}$	2	7 58	C	3 19	SGR	5
294	21	Fr.	6 03	K	4 55	G	10 52	31	2 $\frac{1}{2}$	2 $\frac{3}{4}$	8 52	D	4 08	CAP	6
295	22	Sa.	6 04	K	4 53	F	10 49	31	3 $\frac{1}{4}$	3 $\frac{1}{2}$	9 50	D	4 55	CAP	7
296	23	S.	6 05	L	4 52	F	10 46	31	4	4 $\frac{1}{4}$	10 50	E	5 42	CAP	8
297	24	M.	6 06	L	4 50	F	10 44	31	5	5 $\frac{1}{4}$	11 $\frac{P}{M}$ 51	F	6 28	AQR	9
298	25	Tu.	6 08	L	4 49	F	10 41	31	6	6 $\frac{1}{4}$	-	-	7 13	AQR	10
299	26	W.	6 09	L	4 47	F	10 38	32	6 $\frac{3}{4}$	7 $\frac{1}{4}$	12 $\frac{A}{M}$ 55	G	7 58	PSC	11
300	27	Th.	6 10	L	4 46	F	10 36	32	7 $\frac{3}{4}$	8	2 00	H	8 45	PSC	12
301	28	Fr.	6 11	L	4 44	F	10 33	32	8 $\frac{1}{2}$	8 $\frac{3}{4}$	3 07	J	9 33	ARI	13
302	29	Sa.	6 12	L	4 43	F	10 31	32	9 $\frac{1}{4}$	9 $\frac{1}{2}$	4 17	K	10 25	ARI	14
303	30	S.	6 14	L	4 42	F	10 28	32	10	10 $\frac{1}{2}$	5 $\frac{A}{M}$ 30	L	11 $\frac{P}{M}$ 20	TAU	15
304	31	M.	6 15	L	4 40	F	10 26	32	10 $\frac{3}{4}$	11 $\frac{1}{4}$	rises	-	-	-	-



Zinnias looked back at me
 With a rewarding look
 Of such bright courtesy
 I swear upon the Book
 I all but doffed my hat . . .

They were as sweet as that!

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	Hunter's First Day Stat. 10.3 Moon Succoth in R.A. 10.2	Sun
2	B	18tha. ♀♂ Tides { 10.7 is real 10.3	
3	M.	57 Sons of Truro Hol. { 11.0 bright Perished 1841 Mo. { —	
4	Tu.	Robinson Crusoe { 10.3 only storm Marooned 1704 { 11.1	
5	W.	St. Francis Lashes C in { 10.1 in sight Pacific Coast Peri { 11.1	
6	Th.	Indians Kill 19 Cruns { 9.8 Black Pt., Me. — 1703 C high { 10.8	
7	Fr.	Brig. St. John { 9.4 comes with Wreck 1849 { 10.5	
8	Sa.	Chicago Fire ♂ ♀ { 9.0 zest 1871 { 10.1	
9	B	19tha. ♀♂ Simchath ♂ ♂ { 8.8 from Torah { 9.8	
10	M.	9 Acre Rock, Hell Hol. { 8.9 west. Gate, Blasted 1885 Okla. { 9.7	
11	Tu.	♀ ♂ ♀ ♂ ♀ Hol. { 9.1 It's a Neh. { 9.8	
12	W.	Columbus Day Fall Coloring { 9.5 joy Greatest Ht. { 9.9	
13	Th.	Cranberry Harvest ♂ ♀ ♂ Inf. C on { 10.0 to Eq. { 10.0	
14	Fr.	Eisenhower ♂ ♂ ♂ Tides { 10.3 gaze, Born 1890 { 10.0	
15	Sa.	Gihon Conceived ♂ ♀ ♂ { 10.5 on the "Decline" 1764 { 9.9	
16	B	19tha. T. ♂ ♀ ♂ ♂ ♀ { 10.5 these [18 th ♂ ♀ ♂ in 8] { 10.5	
17	M.	St. Luke, And his Tides { 9.4 Evangelist Little Summer { 10.3	
18	Tu.	Va. Wash. Md. Tides { 9.0 days. Floods 1942 { 10.0	
19	W.	Enche's Comet C rides { 8.7 Storm Seen 1805 low { 9.6	
20	Th.	♂ ♀ ♂ C in Tides { 8.4 and Apo. { 9.3	
21	Fr.	A Wagon Treed ♂ Stat. { 8.1 frost, Woodstock Ct. 1786 in R.A. { 8.9	
22	Sa.	20tha. T. Mission in { 8.0 all is Sunday Peri. { 8.7	
23	B	[23 rd Quisling U.N. { 8.0 lost. Exec. 1945] Day { 8.5	
24	M.	"In Hoc Signo Vices" 312A.D. Tides { 8.2 Roaring The World Began { 8.6	
25	Tu.	9.00 A.M. 4004 B.C. □ ♂ ♂ { 8.5 winds "T.R." Born C on { 8.8 1858 Eq. Tides { 9.0 freeze	
26	Th.	Simon & Jude Tides { 9.6 on naked { 9.6	
27	Fr.	"The Night Never to be Forgotten" 1727 ♂ Gr. El. { 10.2 ♀ W. { 9.8	
28	Sa.	22nda. ♀♂ Christ the King ♂ ♀ ♀ { 10.8 { 11.1	
29	B	Hallow-Travel Hol. { 11.2 black trees. e'en Moon Nev. { 10.2	
30	M.		The hot, dry wind that had blown all that October week had wrapped Joe and me in a companionship of silence as we picked up the last of the windfalls and "picker drops" from the orchards. And then there was a sound below the wind and then above it: the long, harsh bray of the fire whistle, five-five-five. Forest fire. On our hilltop we may look everywhere from the great rock, and from there we saw just beyond our neighbor hill a pall of smoke that already dimmed the sun—and a billow of black smoke that even the wind could not beat down. Pines, I thought. And the wind blew in furious gusts, and there was suddenly a choking swirl of smoke, turning like mist, and black scraps falling, with live, raw, red bits mixed with them. The red bits smoked as they landed. We did what all our neighbors did along our road. We dropped the suction feeders into our wells and started our motors, strung our hoses out, and flung the water over our buildings. We beat out the little fires in the fields by the barn. So we stayed the fangs of fire till the wind shifted. Then the fire came down from the west, with a leap and a rush to the houses beneath the hill. We went there and took the horses and the cattle out of the barns and what furniture we could from the houses, while one house burned. Before morning it rained. Our enemy was dead.

1955]

NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	14s.	20	7	16 11	13	17 53	19	19 23	25	20 41					
2	14	39	8	16 29	14	18 09	20	19 37	26	20 53						
3	14	58	9	16 46	15	18 24	21	19 51	27	21 04						
4	15	17	10	17 03	16	18 40	22	20 04	28	21 15						
5	15	35	11	17 20	17	18 55	23	20 17	29	21 26						
6	15	53	12	17 37	18	19 09	24	20 29	30	21 36						

- ☾ Last Quarter, 6th day, 4 h. 56 m., evening, W.
- New Moon, 14th day, 7 h. 1 m., morning, E.
- ☽ First Quarter, 22nd day, 12 h. 29 m., evening, E.
- Full Moon, 29th day, 11 h. 50 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises.		Key	☽ Sets.		Key	Length of Days.		Sun First.	Full Sea. Boston.		D Rises.	Key	D Souths.	D's Place	Moon's Age
			h.	m.		h.	m.		h.	m.		Morn.	Even.					
305	1	Tu.	6 16	L 4 39	F	10 23	32 11 1/2	—	5 ^P 35	D	12 ^A 19	TAU	16					
306	2	W.	6 17	L 4 38	F	10 20	32 0	0 1/4	6 34	C	1 20	G'M	17					
307	3	Th.	6 19	L 4 37	F	10 18	32 0 3/4	1	7 40	D	2 23	G'M	18					
308	4	Fr.	6 20	M 4 35	E	10 15	32 1 3/4	2	8 51	D	3 25	CNC	20					
309	5	Sa.	6 21	M 4 34	E	10 13	32 2 3/4	3	10 02	E	4 23	CNC	21					
310	6	S.	6 22	M 4 33	E	10 11	32 3 3/4	4	11 ^P 14	G	5 18	LEO	22					
311	7	M.	6 24	M 4 32	E	10 08	32 4 3/4	5	—	—	6 09	LEO	23					
312	8	Tu.	6 25	M 4 31	E	10 06	32 5 3/4	6 1/4	12 ^A 22	H	6 57	VIR	24					
313	9	W.	6 26	M 4 30	E	10 03	32 6 3/4	7 1/4	1 29	I	7 44	VIR	25					
314	10	Th.	6 27	M 4 28	E	10 01	32 7 3/4	8 1/4	2 34	J	8 29	LIB	26					
315	11	Fr.	6 29	M 4 27	E	9 59	32 8 1/2	9	3 38	K	9 14	LIB	27					
316	12	Sa.	6 30	M 4 26	E	9 56	32 9 1/2	9 3/4	4 42	L	10 00	LIB	28					
317	13	S.	6 31	M 4 25	E	9 54	32 10	10 1/2	5 ^P 44	M	10 47	SCO	29					
318	14	M.	6 32	M 4 24	E	9 52	31 10 3/4	11 1/4	sets	—	11 ^A 35	SCO	0					
319	15	Tu.	6 34	M 4 24	E	9 50	31 11 1/2	—	5 ^P 04	D	12 ^P 24	SGR	1					
320	16	W.	6 35	M 4 23	E	9 48	31 0	0	5 52	C	1 13	SGR	2					
321	17	Th.	6 36	M 4 22	E	9 46	31 0 1/2	0 3/4	6 45	D	2 02	CAP	3					
322	18	Fr.	6 37	N 4 21	D	9 44	31 1 1/4	1 1/2	7 41	D	2 50	CAP	4					
323	19	Sa.	6 39	N 4 20	D	9 42	31 2	2	8 40	E	3 37	CAP	5					
324	20	S.	6 40	N 4 19	D	9 40	30 2 3/4	3	9 40	F	4 22	AQR	6					
325	21	M.	6 41	N 4 19	D	9 38	30 3 1/2	3 3/4	10 41	G	5 06	AQR	7					
326	22	Tu.	6 42	N 4 18	D	9 36	30 4 1/4	4 1/2	11 ^P 43	H	5 50	PSC	8					
327	23	W.	6 43	N 4 17	D	9 34	30 5 1/4	5 1/2	—	—	6 35	PSC	9					
328	24	Th.	6 45	N 4 17	D	9 32	29 6	6 1/2	12 ^A 47	I	7 21	PSC	11					
329	25	Fr.	6 46	N 4 16	D	9 30	29 7	7 1/4	1 54	J	8 09	ARI	12					
330	26	Sa.	6 47	N 4 16	D	9 29	29 7 3/4	8 1/4	3 04	K	9 02	ARI	13					
331	27	S.	6 48	N 4 15	D	9 27	28 8 1/2	9 1/4	4 17	M	9 58	TAU	14					
332	28	M.	6 49	N 4 15	D	9 26	28 9 1/2	10	5 ^P 31	N	10 ^P 59	TAU	15					
333	29	Tu.	6 50	N 4 14	D	9 24	28 10 1/4	10 3/4	rises	—	—	—	—					
334	30	W.	6 51	N 4 14	D	9 22	27 11	11 3/4	5 ^P 19	C	12 ^A 03	G'M	16					



... And I remember, still, a tall hill, there,
 — Indeed, it was fair and tall,
 Remote and shining in the winter air,
 After the misty fall.
 I never went there; it was foreign land,
 Too far for me to go,
 Who had my own known hills, and close at hand,
 That I could climb — although
 This other, the remote, the unused joy,
 Is legacy . . . and lesson . . . from the boy.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	ALL SAINTS ♀ in 8 C in Hol. {11.5 SAINTS ♀ in 8 C in Peri La. {10.2	<i>These</i>
2	W.	Gr. Hel. ♂ runs All Souls {— Lat. N. C high Day {11.5	<i>cold</i>
3	Th.	Canada became Tides {10.0 English 1782 {11.4	<i>and</i>
4	Fr.	Snowed in Will Rogers Hol. {9.8 Chicago 1951 Day Okla. {11.0	
5	Sa.	Fawkes' ♂ C {9.5 Day {10.5	<i>black days</i>
6	B	25 th d. a. ♀. Tides {9.2 {10.0	<i>foretell</i>
7	M.	Brig Creole ♂ ♀ Ψ ♂ Λ C {9.1 Mutiny 1841 {9.6	<i>rough</i>
8	Tu.	General Comet ♂ Stat. {9.1 Elections 1664 in R.A. {9.8	<i>storms</i>
9	W.	Steve Brodie C on Tides {9.3 Jumped 1888 Eq. {9.2	<i>and</i>
10	Th.	"Dr. Livingstone Tides {9.6 I Presume" 1871 {9.2	
11	Fr.	Armistice ♂ ♂ C Tides {9.8 Day {9.2	<i>some</i>
12	Sa.	♂ Ψ C Tides {10.1 {9.1	
13	B	23 rd d. a. T. ♂ ♀ C Indian {10.2 Summer {9.1	
14	M.	♂ h C Begins {10.3 Now {9.0	<i>haze.</i>
15	Tu.	Warm at Bristol, Ct. 1951 Tides {10.2 {8.9	
16	W.	♂ ♀ C ♂ h ⊙ C rides {— low. {10.1	<i>Fine</i>
17	Th.	C in Apo. Tides {8.7 {9.9	<i>warm</i>
18	Fr.	New England's most {8.6 Terrible Night — 1755 {9.7	<i>days</i>
19	Sa.	Dickens Arr. Tides {8.4 Boston, 1867 {9.4	<i>o'er</i>
20	B	24 th d. a. T. Tides {8.3 {9.1	<i>prolonged</i>
21	M.	Mayflower Tides {8.2 Compact {8.8	<i>bring</i>
22	Tu.	Prune your Tides {8.4 Grapevines {8.7	
23	W.	□ Λ ⊙ ♂ ♀ h C on Hol. {8.6 Eq. Md. {8.6	<i>a</i>
24	Th.	Thanksgiving Day Tides {8.9 {8.7	
25	Fr.	St. Catherine ♀ in 8 {9.4 {8.9	<i>North-</i>
26	Sa.	Total Storm Tides {10.0 1898 {9.2	<i>easter</i>
27	B	1 st S. Advent Tides {10.5 {9.5	
28	M.	Cocoonut Grove ♂ ♂ Ψ {11.1 Fire 1942 {9.5	<i>double</i>
29	Tu.	Beaver Portland Part. {11.5 Moon Lost 1893 Ecl. {10.0	<i>pron-</i>
30	W.	St. Andrew, C in runs {11.7 Apostle Peri C high {10.1	<i>ged.</i>

We are high and lonely here and we need a farm dog, but we had never thought to get one as we did.

John, our collie, came to us because I found him in a trap I had set for porcupines. For two weeks we had searched for the missing trap with its heavy wood drag. Then one morning we heard a high-pitched continuous barking from our north-east orchard. There I found this dog that is ours now. He thumped his tail as I came to him.

For two weeks of agony he had been in the trap, living, apparently, on such scraps as he could find by dragging trap and log to our backyard (a quarter of a mile), eating from the cat's dish, and drinking from the swamp behind the orchard.

John was nobody's dog. He had no collar, and probably never had one. There was no knowledge of him from any source that we could explore. He was our dog now to keep or destroy. And, of course, we kept him, a dog with three paws only. But that didn't matter, for no living thing can fight for life as John did, without winning it back again. That John has completely if obedience and guardianship of us are tokens of it—and his own ecstatic joy of living.

John has no moral to point from his story. Nor have we. But we have never set another trap—and never will—not for all the porcupines in our orchards.

"No brightness now — for the land is darkened."

1955]

DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	21s.	45	7	22	35	13	23	08	19	23	25	25	23	24	
2	21	55	8	22	41	14	23	12	20	23	26	26	23	23		
3	22	04	9	22	48	15	23	15	21	23	26	27	23	21		
4	22	12	10	22	53	16	23	18	22	23	27	28	23	18		
5	22	20	11	22	59	17	23	21	23	23	26	29	23	15		
6	22	28	12	23	03	18	23	23	24	23	26	30	23	11		

☾ Last Quarter, 6th day, 3 h. 35 m., morning, E.

● New Moon, 14th day, 2 h. 7 m., morning, E.

☽ First Quarter, 22nd day, 4 h. 39 m., morning, W.

○ Full Moon, 28th day, 10 h. 44 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉		Key	☽		Key	Length of Days.	Sun Pst.	Full Sea. Boston.		☽	Key	☽	☽'s	Moon's Age
			Rises.	Key		Sets.	Key				Morn.	Even.					
335	1	Th.	6 53	N	4 14	D	9 21	27	—	0	6 ^P _M 31	D	1 ^A _M 08	CNC	17		
336	2	Fr.	6 54	N	4 13	D	9 20	27	0 ¹ ₂	0 ³ ₄	7 46	E	2 10	CNC	18		
337	3	Sa.	6 55	N	4 13	D	9 18	26	1 ¹ ₂	1 ³ ₄	9 00	F	3 09	LEO	19		
338	4	S.	6 56	N	4 13	D	9 17	26	2 ¹ ₂	2 ³ ₄	10 12	G	4 03	LEO	20		
339	5	M.	6 57	N	4 13	D	9 16	26	3 ¹ ₄	3 ³ ₄	11 ^P _M 21	H	4 54	VIR	21		
340	6	Tu.	6 58	N	4 12	D	9 15	25	4 ¹ ₄	4 ³ ₄	—	—	5 42	VIR	22		
341	7	W.	6 59	N	4 12	C	9 14	25	5 ¹ ₄	5 ³ ₄	12 ^A _M 27	J	6 28	VIR	23		
342	8	Th.	7 00	O	4 12	C	9 13	24	6 ¹ ₄	6 ³ ₄	1 32	K	7 13	LIB	24		
343	9	Fr.	7 00	O	4 12	C	9 12	24	7 ¹ ₄	7 ³ ₄	2 35	L	7 58	LIB	25		
344	10	Sa.	7 01	O	4 12	C	9 11	23	8 ¹ ₄	8 ³ ₄	3 37	M	8 44	SCO	26		
345	11	S.	7 02	O	4 12	C	9 10	23	9	9 ¹ ₂	4 38	N	9 32	SCO	27		
346	12	M.	7 03	O	4 12	C	9 09	23	9 ³ ₄	10 ¹ ₄	5 36	N	10 20	SGR	28		
347	13	Tu.	7 04	O	4 13	C	9 09	22	10 ¹ ₄	11	6 ^A _M 30	O	11 09	SGR	29		
348	14	W.	7 05	O	4 13	C	9 08	22	11	11 ¹ ₂	sets	—	11 ^A _M 58	SGR	0		
349	15	Th.	7 05	O	4 13	C	9 08	21	11 ³ ₄	—	5 ^P _M 34	D	12 ^P _M 46	CAP	1		
350	16	Fr.	7 06	O	4 13	C	9 07	21	0 ¹ ₄	0 ¹ ₄	6 32	E	1 34	CAP	2		
351	17	Sa.	7 07	O	4 13	C	9 07	20	0 ³ ₄	1	7 32	F	2 19	AQR	4		
352	18	S.	7 08	O	4 14	C	9 06	20	1 ¹ ₂	1 ³ ₄	8 32	F	3 03	AQR	5		
353	19	M.	7 08	O	4 14	C	9 06	19	2 ¹ ₄	2 ¹ ₄	9 33	G	3 47	AQR	6		
354	20	Tu.	7 09	O	4 14	C	9 06	19	3	3	10 35	I	4 30	PSC	7		
355	21	W.	7 09	O	4 15	C	9 06	18	3 ³ ₄	4	11 ^P _M 38	J	5 14	PSC	8		
356	22	Th.	7 10	O	4 16	C	9 06	18	4 ¹ ₂	4 ³ ₄	—	—	6 00	ARI	9		
357	23	Fr.	7 10	O	4 16	C	9 06	17	5 ¹ ₄	5 ³ ₄	12 ^A _M 44	K	6 48	ARI	10		
358	24	Sa.	7 11	O	4 17	C	9 06	17	6 ¹ ₄	6 ³ ₄	1 53	L	7 41	TAU	11		
359	25	S.	7 11	O	4 17	C	9 06	16	7 ¹ ₄	7 ³ ₄	3 04	M	8 38	TAU	12		
360	26	M.	7 12	O	4 18	C	9 06	16	8	8 ³ ₄	4 17	N	9 39	G'M	13		
361	27	Tu.	7 12	O	4 19	C	9 07	15	9	9 ³ ₄	5 ^A _M 28	O	10 44	G'M	14		
362	28	W.	7 12	O	4 19	C	9 07	15	10	10 ¹ ₂	rises	—	11 ^P _M 48	CNC	15		
363	29	Th.	7 12	O	4 20	C	9 08	14	10 ³ ₄	11 ¹ ₂	5 ^P _M 18	D	—	—	—		
364	30	Fr.	7 13	O	4 21	C	9 08	14	11 ³ ₄	—	6 35	F	12 ^A _M 50	CNC	16		
365	31	Sa.	7 13	O	4 22	C	9 09	13	0 ¹ ₄	0 ¹ ₂	7 ^P _M 51	G	1 ^A _M 49	LEO	17		



Faces of friends have shown me, more than once,
 The face of Christ,
 The loving and forgiving and believing . . .
 And I am now no more the man who hunts,
 In vain, the obscure good
 In an evil wood.
 This man and that, in the common way I go,
 Has taught me what I know
 Of good.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Only U. S. Naval Mutiny 1842	Tides { 11.8 Cold
2	Fr.	Atomic Age Began 1942	Tides { 10.1 high 11.5
3	Sa.	2nd S. A. 6♁♂	{ 10.0 winds 11.1
4	B	First Treaty Never Broken—Penn's 1682	♂♀♁ Sap. { 9.8 10.6
5	M.	2 Ipswich Men went to Sea on a Haystack 1786	{ 9.6 continue, 10.0
6	Tu.	♁ Aph. in on 5th Eq. [♁♀ Aph.]	{ 9.4 9.4
7	W.	The Moon was Green 1883	Hol. Del. { 9.3 with snow 8.9
8	Th.	Conception (Immac.) of Mary	{ 9.3 8.6 in the
9	Fr.	An Albatross will lay One Egg at P. E. Isle	♁♂♂ { 9.4 menu. 8.4
10	Sa.	Mary & Joseph's House Flew to Loreto 1294	First Day Chanukah { 9.6 8.4
11	B	3rd S. A. [10th 6♁♂]	{ 9.7 Rain, 8.4
12	M.	Florida Freeze 1952	♁♂♂ { 9.8 sleet, 8.4
13	Tu.	St. Lucy Drake's World Tour 1577	♁rides low { 9.9 and 8.5
14	W.	☉ Annular Eclipse Boston Tide	♁♂♂ Day in { 9.9 dirt, 8.5
15	Th.	Crossed Neck 1839	♁ Apo { 9.9 make
16	Fr.	Annie Laurie Born 1682	Ember ♁♀♁ { 8.6 the 9.8
17	Sa.	"Rob Peter to Pay Paul" 1550	Days { 8.6 dessert. 9.7
18	B	4th S. A. Ord. 19.9" Snowfall 1946	♁ Stat. in R.A. Tides { 8.6 9.5
19	M.	Bdway Lts. (N.Y.) Mife Long 1880	{ 8.7 Winter 9.3
20	Tu.	St. Thomas, Apostles	♁ on Eq. { 8.8 9.1
21	W.	St. Thomas, Apostles	{ 8.9 really 8.9
22	Th.	Winter Begins 10.12 A.M.	♁ en. ♁ Tides { 9.1 here 8.8
23	Fr.	All U. S. Foreign Commerce Banned 1807	Tides { 9.3 8.7
24	Sa.	The War of 1812 Ended in 1814	Tides { 9.7 the 8.7
25	B	Chris. Day	Tides { 10.2 worst 8.9
26	M.	St. Stephen, Apostle	♁ Gr. Hel. Lat. S. { 10.7 in 9.2
27	Tu.	St. John, Apostle	♁ runs high. ♁ is full tomorrow { 11.1 9.6
28	W.	Holy Inn. ♁ Gr. Hel. Lat. S. Peri.	in { 11.5 mayn 9.9
29	Th.	Franklin's B'th Place Burnt — Boston — 1810	{ 11.8 a 10.2
30	Fr.	Resolute Ends Her Amazing Voyage 1856	{ 11.8 year.
31	Sa.	[3]th 6♁♂ Year	Happy New Year Tides { 10.3 11.6

I think as I walk upon these frozen clods through the rows of my ice-bound orchard that I, by the grace of God, am more than the earth I walk upon (though the earth is my brother)—that there is a wonder and a seeking beyond this earth and me, not of clods and clouds and self. I seek faith, and this I shall find.

If I am to comprehend life upon this little crust of earth, where young men go out and die and where all about me there is suffering and bitter death, I must accept the promise of this faith. I know that this faith is already conceived, that it will walk the earth at last, a reality.

And this is my faith:—that God will embrace humanity and all men be as brothers to-gether. That death and life, as always shall be one, each recreating the other.

Faith is not blind. It marches forward through the intelligence of man, his miracles of perception and invention, and the perfection of his machines (though he may not know this).

What then? Part man, part beast, part clod—but ever nearer God, I think, man grows a better man.

And so I do believe that the true answer to faith is here, and that the spirit of God will be seen to walk upon this earth with man, his son.



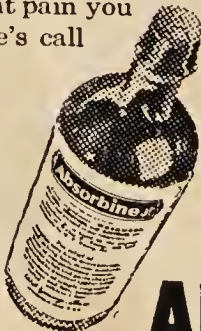
Relieve the PRESSURE PAIN of Sore, Aching Muscles!

● When muscles get stiff and lame from overexertion, don't let them "lay you up." For there's a wonderful way to relieve that ache and soreness quickly, easily!

Doctors generally will tell you the pain and stiffness may be largely caused by pressure. Sensitive nerves are irritated. Local areas become swollen and sore. That pain you feel is Nature's call

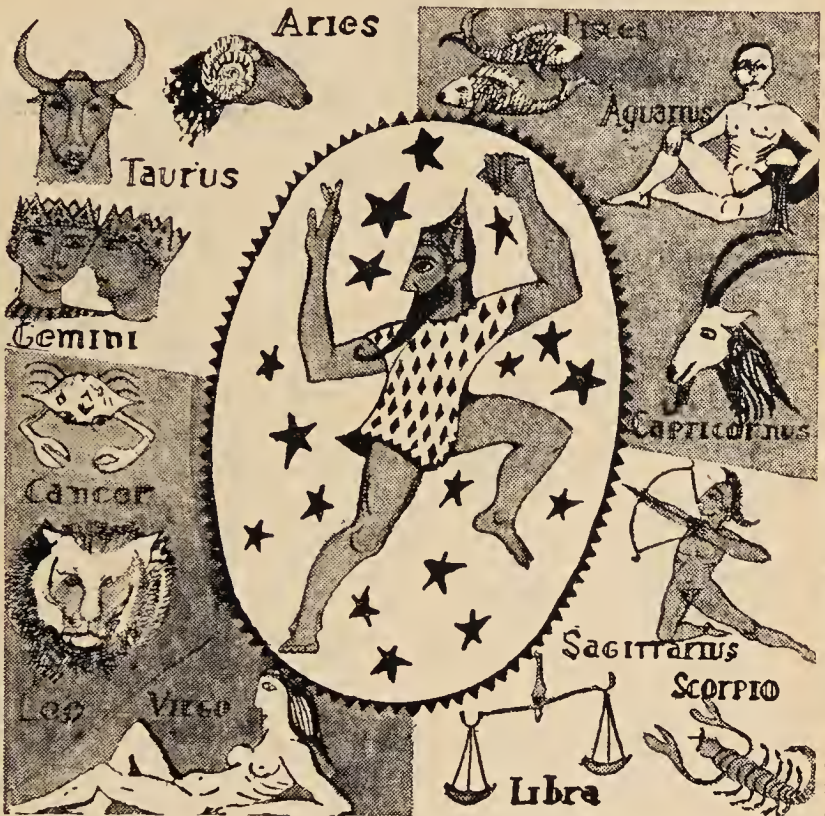
for help. For wonderful relief —fast—rub Absorbine Jr. on those aching spots. It helps to *counteract* the pressure which may be causing your pain. At the same time, it warms and soothes. The speed with which Absorbine Jr. works will amaze you.

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THE TWELVE SIGNS OF THE ZODIAC THE "FAMOUS" MAN OF THE SIGNS

The Man of the Signs first began appearing in almanacs in the 15th century. He is regarded highly only by astrologers and the foolish. However, these two categories include millions of otherwise sensible people. In the resolving of these signs, astrology believes your career, happiness, and health may depend on which of the above signs the date of your birth occurred in. Also these signs indicate from your birthday what part of your body supposedly rules over all other parts: Aries the head, Gemini the arms, Leo the heart, Libra the reins, Sagittarius the thighs, Aquarius the legs, Pisces the feet, Capricornus the knees, Scorpio the loins, Virgo the bowels, Cancer the breast, and Taurus the neck. You will also note that the entrance of the moon into certain of these signs signifies traditional change of seasons: Aries for Spring, Cancer for Summer, Libra for Fall, Capricornus for Winter (See Page 11.) So . . . you are about as well set now for a life guide as you would be with a tipster's sheet at a horse race. If you must have a guide—here is a far better one . . . "Read your Bible and keep your bowels open."

The moon's place in the Zodiac forms the basis of the superstitions, along with its phase, about planting—the favorable signs being Cancer, Libra, and Scorpio (Cnc., Lib., Sco.). The planting table on the next page does not take into account these Zodiac sign values but gives you only the times most favorable (superstition) for planting crops according to the moon's phase.

See Pages 12-24 for Zodiac Sign each day of year.

(Send 25¢ for any previous year)

OUTDOOR PLANTING TABLE

Find the latitude of your town or city. Interpolate between columns below to find your planting date. For example, if you live in Grove City, Pa. (Lat. 41°09'35") this would mean the latitude was about halfway between Boston-Phila. So your planting times would also be halfway between. N.B. Plant one week later for every 500 ft. elevation above sea level.

The "Moon Most Favorable" columns give the superstitious times when the phase of moon is "Right" for planting the crop indicated during 1955.

CROP	42°21'44" Boston Latitude		39°56'58" Phila. Latitude		33°45'10" Atlanta Latitude	
	Plant Anytime Between Dates Below	Moon Most Favorable Between	Plant Anytime Between Dates Below	Moon Most Favorable Between	Plant Anytime Between Dates Below	Moon Most Favorable Between
	Barley	May 15-Jun 21	May 21-28	Mar 15-Apr 7	Mar 23-30	Feb 15-Mar 7
Beans (Early) (Late)	May 7-Jun 21 Jun 15-Jul 15	May 21-28 Jun 19-26	Apr 15-30 Jun 1-21	Apr 22-28 Jun 19-26	Mar 15-Apr 7 Aug 7-30	Mar 23-30 Aug 17-25
Beets (Early) (Late)	May 1-15 Jul 15-Aug 15	May 6-14 Jul 12-19	Mar 15-Apr 30 Jul 15-30	Mar 8-16 Jul 15-19	Feb 7-29 Aug 7-30	Feb 6-13 Aug 7-14
Broccoli (E) (Late)	May 15-30 Jun 15-Jul 7	May 21-28 Jun 19-26	Mar 7-30 Aug 1-20	Mar 23-30 Aug 17-20	Feb 15-Mar 15 Sept 7-30	Feb 22-28 Sep 16-23
Brussels Spr.	May 15-30	May 21-28	Mar 7-Apr 15	Mar 23-30	Feb 11-Mar 20	Feb 22-28
Cabbage (E) (L)	May 15-30 Jun 7-Aug 7	May 21-28 Jun 19-26	Mar 7-Apr 15 Jun 1-Jul 7	Mar 23-30 Jun 19-26	Feb 7-Mar 20 Jul 15-30	Feb 22-28 Jul 19-26
Carrots (E) (Late)	May 15-30 Jun 15-Jul 21	May 6-14 Jun 13-19	Mar 7-31 Apr 7-May 30	Mar 8-16 Apr 7-15	Feb 15-Mar 7 Aug 1-Sept 7	Feb 15-21 Aug 3-10
Cauliflower (E) (Late)	May 15-30 June 15-Jul 21	May 21-28 Jun 19-26	Mar 15-Apr 7 Jun 1-Jul 7	Mar 23-30 Jun 19-26	Feb 15-Mar 7 Aug 7-30	Feb 22-28 Aug 17-25
Celery (Early) (Late)	May 15-Jun 30 Jul 15-Aug 15	May 6-14 Jul 13-18	May 7-30 Jun 15-Jul 7	May 6-14 Jun 15-18	Apr 15-30	Apr 15-21
Corn, Sweet (E) (Late)	May 15-Jun 15 Jun 15-30	May 21-28 Jun 19-26	Mar 15-30 May 7-Jun 21	Mar 23-30 Apr 21-28	Feb 15-29 Aug 7-30	Feb 22-28 Aug 17-25
Cucumber	May 7-Jun 20	May 21-28	Apr 7-May 15	Apr 22-28	Mar 7-Apr 15	Mar 23-30
Egg Plant	Jun 1-30	May 28-Jun 5	Apr 7-May 15	Apr 22-28	Mar 7-Apr 15	Mar 23-30
Endive (Early) (Late)	May 15-30 Jun 7-30	May 21-28 Jun 19-26	Apr 7-May 15 Jul 15-Aug 15	Apr 22-28 Jul 19-26	Feb 15-Mar 20 Aug 15-Sept 7	Feb 22-28 Aug 17-25
Kale (Early) (Late)	May 15-30 Jul 1-Aug 7	May 21-28 Jun 25-Jul 6	Mar 15-Apr 7 Jul 15-31	Mar 23-30 Jul 19-26	Feb 15-Mar 7 Sept 7-30	Feb 22-28 Sep 16-23
Leek	May 15-30	May 14-21	Mar 7-Apr 7	Mar 8-16	Feb 15-Apr 15	Feb 15-21
Lettuce	May 15-Jun 30	May 21-28	Mar 1-31	Mar 23-30	Feb 15-Mar 7	Feb 22-28
Melon (Musk)	May 15-Jun 30	May 21-28	Apr 15-May 7	Apr 22-28	Mar 15-Apr 7	Mar 23-30
Onion	May 15-Jun 7	May 14-21	Mar 1-31	Mar 8-16	Feb 1-28	Feb 1-5
Parsley	May 15-30	May 21-28	Mar 1-31	Mar 1-7	Feb 20-Mar 15	Feb 22-28
Parsnip	Apr 1-30	Apr 7-15	Mar 7-31	Mar 7	Jan 15-Feb 7	Jan 15-22
Peas (Early) (Late)	Apr 15-May 7 Aug 15-30	Apr. 22-28 Aug 19-26	Mar 7-31 Jul 7-31	Mar 7 Jul 19-26	Jan 15-Feb 7 Aug 15-30	Jan 23-30 Aug 17-23
Pepper	May 15-Jun 30	May 21-28	May 1-31	May 1-6	Apr 1-20	Apr 1-6
Pumpkin	May 15-30	May 21-28	Apr 23-May 15	Apr 22-28	Apr 7-20	Apr 6
Potatoes	May 15-30	May 14-21	Apr 7-May 30	Apr 7-15	Jan 1-Mar 7	Jan 23-31
Radish (Early) (Late)	Apr 15-30 Aug 15-30	Apr 22-28 Aug 17-25	Mar 7-31 Aug 7-31	Mar 7 Aug 17-25	Jan 21-Mar 1 Sept 1-21	Jan 23-31 Sep 16-21
Spinach (E) (Late)	May 15-30 Jul 15-Sept 7	May 21-28 Jul 19-26	Mar 15-Apr 20 Aug 1-Sept 15	Mar 23-30 Aug 17-25	Feb 7-Mar 15 Sept 1-21	Feb 22-28 Sep 16-21
Swiss Chard	May 1-30	Apr 28-May 6	Mar 15-Apr 15	Mar 23-30	Feb 7-Mar 15	Feb 22-28
Summer Squ	May 15-Jun 15	May 21-28	Apr 15-May 15	Apr 22-28	Mar 15-Apr 15	Mar 23-30
Tomato	May 15-30	May 21-28	Apr 7-30	Apr 22-28	Mar 7-20	Mar 23-30
Turnip (Early) (Late)	Apr 7-30 Jul 1-Aug 15	Apr 7-15 Jul 5-12	Mar 15-30 Aug 1-20	Mar 15-22 Aug 1-8	Jan 20-Feb 15 Sept 1-Oct 15	Jan 20-22 Sep 2-9
Wheat (Fall) (Spring)	Oct 7-30 Apr 7-30	Oct 15-23 Apr 22-28	Sept 15-Oct 20 Apr 1-20	Sept 16-23 Apr 1-6	Oct 15-Dec 7 Mar 15-31	Oct 15-23 Mar 23-30

PLANTING DATES FOR FLOWERS (Also see page 37)

On the preceding page you will find approximate planting dates for vegetables and for crops, with a "moon column" adjoining each geographical division which tells you what some people consider the best moon planting time. In considering this "moon planting time" one should remember it is superstition only and has never been proven of value by scientific methods. The way these moon times are arrived at are: that crops or flowers which win their way by results above ground (like beans or pansies) do better when planted in the "light" of the moon—which is the same thing as saying during the new or first quarter of the moon. Those with root crops do better when planted during the full or last quarter of the moon. For flowers then use the opposite page taking the "Beans" head for everything except those largely dependent on bulbs—like lilies, tulips, iris, etc, for which the moon and other planting dates would correspond with those given for beets or potatoes.

For **BEST FISHING**, you may also use the same dates as best planting time for flowers. For **CUTTING BRUSH**, use times given for root crops like potatoes or beets.

AVERAGE DATES FIRST AND LAST KILLING FROSTS

Boston	Apr. 14 — Oct. 26	Richmond	Mar. 31 — Nov. 2
Albany	Apr. 24 — Oct. 15	Raleigh	Mar. 27 — Nov. 5
Harrisburg	Apr. 9 — Oct. 28	Macon	Mar. 14 — Nov. 14
Cincinnati	Apr. 8 — Oct. 23	Del Rio	Feb. 23 — Nov. 27
Toledo	Apr. 22 — Oct. 18	Helena	May 7 — Sept. 29
Chicago	Apr. 16 — Oct. 19	Santa Fe	Apr. 25 — Oct. 19
Detroit	Apr. 28 — Oct. 15	Tucson	Mar. 11 — Nov. 9
Duluth	May 6 — Oct. 5	Yuma	Jan. 20 — Dec. 20
Bismarck	May 11 — Sept. 21	Portland, Ore.	Mar. 15 — Nov. 21
Omaha	Apr. 14 — Oct. 15	San Francisco	Jan. 13 — Dec. 29
Portland, Maine.	Apr. 19 — Oct. 17	Parkersburg	Apr. 17 — Oct. 18
Hartford	Apr. 20 — Oct. 13	Oklahoma City	Mar. 30 — Nov. 3
Evansville	Apr. 5 — Oct. 29	Denver	May 3 — Oct. 10
Cairo	Mar. 31 — Oct. 29	Spokane	Apr. 14 — Oct. 13
Minneapolis	Apr. 27 — Oct. 10	Salt Lake City	Apr. 18 — Oct. 20
Concord, N. H.	May 7 — Oct. 3		



New Hampshire
Midget Watermelon

breeding and selection aimed at producing earlier crops of better quality. No wonder that three generations of New Englanders have planted Harris Seeds. They know they can depend on them.

Among other Harris' Specialties you will want to try are North Star Corn, Black Magic Eggplant, Green Thumb Pickles, Bibb Head Lettuce, Sweet Spanish Onion Plants. In flowers, there are Powderpuff Asters, the new McKana Columbine, Lemon Drop Marigolds, Black Knight and Gypsy Petunias.

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GROW WATERMELONS IN NEW ENGLAND! PLANT NEW HAMPSHIRE MIDGET USE

HARRIS SEEDS

New Hampshire Midget is the one watermelon that can be depended upon to ripen in the short New England Summers. The rind is thin; flesh orange-red, solid and sweet; seeds black. Since they are only 3 in. long and 5 in. thick, they fit neatly into a refrigerator, so are sometimes called "Icebox Watermelons."

Just another example of our intensive program of

IT'S ALWAYS A GOOD PICNIC WITH
DEVILED HAM SANDWICHES!



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SANDWICH IDEA: Currant jelly (or any other jelly you favor) makes a great companion for Underwood Deviled Ham in a sandwich.

QUICK MEAL IDEA: Canned spaghetti is easily glorified before heating by mixing in the contents of a can of Underwood Deviled Ham.



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FAMILY SIZE,
←
too!



Glorifies Plain Foods

RECIPES — KITCHEN HINTS —



FOOD . . . by NANCY DIXON

MEATY MEMOS

Want dinner ready in a hurry . . .?? Then plan a broiler meal. Complete meals that are cooked in the broiler are a cinch to prepare and so good to eat.

Broiling is a quick and easy way to prepare many good meat cuts, among them tender beef steaks such as rib, t-bone, sirloin, tenderloin, porterhouse and club as well as ground beef patties, ground lamb patties, lamb chops (don't overlook leg steaks either) ham slice, veal and young beef liver.

WHERE you place the meat in the broiler depends upon how long it is to be cooked. When choosing steaks and chops for broiling have them cut at least three quarters of an inch thick. Slash fat edge to prevent curling during broiling. Thick cuts of meat and meats to be cooked until well done should be placed farther from the heat than thin cuts or those that are to be cooked only rare or medium done. The distance varies from two to five inches from the heat for all cuts of meat.

Leftover cooked vegetables or canned vegetables may be heated in the lower part of the broiler pan under the rack to be seasoned with flavorful meat drippings. Peas, green beans, lima beans, corn and sliced carrots are a good choice. Tomato halves, whole cooked carrots, onion slices, mashed potato patties and cooked sweet potato slices may be brushed with butter or margarine and broiled on the rack with the meat for the last ten minutes or so. Fruits too take kindly to the broiler. These usually are added during the last ten minutes of broiling and are dotted with butter and sprinkled with brown sugar before cooking.

SWISS STEAK WINNERS

The habit of eating well is easy to acquire. You can be thrifty at the same time when your dinners include an appetizing beef dinner whatever your budget. Round, chuck or flank steak prepared Swiss-style will become long-time favorites by varying the seasonings and the braising liquid.

Olive Swiss Steak: Flour the steak and brown in a little hot fat. Sprinkle with salt and pepper and top with sliced stuffed olives, chopped green pepper and sliced onions. Cook slowly in diluted tomato soup until tender for about two hours.

Deviled Swiss Steak: Flour steak and brown in hot fat. Then top with sliced onions that have also been browned in fat. Sprinkled with dried mustard, salt, pepper and a finely minced clove of garlic. Add a mixture of half water and half chili sauce and then cook, covered until tender for about two hours.

FANCY 'BURGERS

The love of the young and old is the hamburger whether it is served plain or embellished with a variety of trimmings. Stuffing tricks that add appeal:

Relish Stuffed 'Burgers: Season a pound of ground beef with salt and mix with one quarter cup of milk. Shape into eight thin patties. Spread four of the patties with prepared mustard and top with a thin slice of onion and about a teaspoonful of pickle relish. Top with remaining patties and press together, sealing edges well. Broil or pan fry until done for about ten minutes.

NEW ENGLAND EATING AT ITS BEST!



B&M

Down-East

QUALITY FOODS

MADE IN THE TRADITIONAL
NEW ENGLAND WAY



BURNHAM & MORRILL CO., PORTLAND, MAINE

'Burgers with Tomato-Cheese Filling: Season a pound of ground beef with salt and pepper plus some minced onion and a little milk or water. Shape into eight thin patties. Top four of the patties with a thin slice of tomato and then some shredded cheese. Top with remaining patties and press the edges together. Broil or pan-fry.

HOME CANNING IDEAS

MINCEMEAT

(From the Ball Blue-Book)

2 pounds lean beef	6 cups brown sugar
1 pound suet	2 teaspoons nutmeg
4 pounds apples	1 tablespoon allspice
2 oranges	1 tablespoon cinnamon
2 pounds currants	$\frac{1}{4}$ teas. ginger
1 pound light raisins	1 teas. cloves
2 pounds dark raisins	1 T. salt
$\frac{1}{2}$ pound citron	4 T. lemon juice
	4 cups cider or grape juice

Cook the beef until done. Cool. Chop the beef and the suet. Wash, core, pare and chop the apples. Finely chop peel of one orange and pulp or two. Mix all of the ingredients. Simmer for one hour. Pack hot into hot Ball jars. Process pints and quarts for twenty minutes at ten pounds pressure or one and a half hours in boiling water bath.

PEANUT BUTTER

2 quarts shelled Spanish peanuts
4 quarts shelled Virginia peanuts

Roast peanuts. Cool. Remove the brown skins and the eyes. Grind the nuts. Add 2 T. salt and regrind until as smooth as wanted. Pack butter into hot Ball jars. Work out air bubbles. Process pints and half pints for one hour by simmering in the hot-water bath.

OLD FASHIONED SALT CORN

Boil fresh tender corn for five minutes. Cut from the cob. Do not scrape. Measure corn and mix with $\frac{1}{4}$ lbs measure of pure salt. Pack tightly to within $\frac{1}{4}$ inch of the top of jars. Smooth a quarter inch of salt over the top of the corn. Seal and store in a cool dry place.

RED RELISH

4 cups chopped beets	1 T. horseradish
1 cup chopped onions	1 to 2 cups sugar
1 cup chopped red sweet peppers	3 cups vinegar
4 cups chopped cabbage	1 T. salt

Wash and drain the beets. Cover with boiling water. Boil for 15 minutes. Drain. Peel beets and onions; remove seeds from peppers. Chop and measure all the vegetables. Mix all of the ingredients. Boil for ten minutes. Pour boiling hot into hot jars and seal at once.

CHILI

$\frac{3}{4}$ pound suet	2 T. salt
2 cups chopped onions	1 pod hot pepper
1 clove garlic	1 teas. comino seed
5 pounds ground meat	$\frac{1}{2}$ cup chili pepper or powder

Melt the suet in a heavy kettle. Add the onion and garlic and cook slowly until yellow. Add meat and stir until it is well seared. Add more water. Pour hot into hot jars. Process pints 75 minutes, quarts 90 minutes at ten pounds pressure.

RASPBERRY-CURRANT MARMALADE

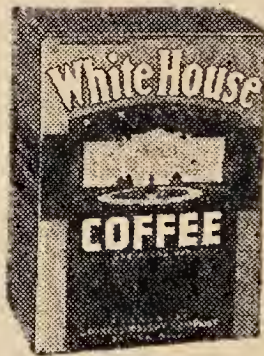
8 cups raspberries	4 cups currants
	9 cups sugar

Wash and drain red or black fruit before measuring. Stem and crush the currants. Cook slowly until juice flows freely. Add raspberries. Heat to boiling. Add sugar. Boil to jellying point. Pour boiling hot into jars and seal at once.

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BOSTON, (5) MASS.

PRAISEWORTHY, PRIZE-WINNING RECIPES GRANDMOTHER'S SOUR CREAM SPICE CAKE

(THE YANKEE COOKBOOK)

1 egg	¼ teas. salt
¾ sour cup cream about	½ teas. cinnamon
1 cup sugar	½ teaspoon nutmeg
2 cups flour, sifted	¼ teas. cloves
1 teas. soda	½ cup raisins

Break the egg into a cup and fill the cup with sour cream. Pour into a bowl and beat thoroughly with egg beater. Add sugar and beat. Sift the remaining dry ingredients twice; add the raisins; combine with the first mixture. Pour into greased baking sheet. Bake in a moderate 350° F oven for 45 minutes. Makes 1 square cake. (Can be poured into muffin tins to make cup cakes.) Stewed prunes cut into pieces may be added and ¼ cup prune juice substituted for ¼ cup of the sour cream.

CAPE COD CLAM PIE

2 quarts soft shelled clams	2 T. cornstarch
3 T. butter	3 T. cold water
2 cups hot water	pastry
	Salt and pepper

Steam the clams and remove from the shells, clean, cut off black end of neck with scissors and discard. Cut the remainder coarsely removing the black from the stomach. Sauté the clams in butter. Add two cups hot water and season to taste. When the mixture begins to boil thicken with the cornstarch dissolved in cold water until mixture is the consistency of thick heavy cream. Line a deep pie plate with pastry, fill with the mixture. Put on the top crust and slash top to permit the steam to escape. Bake in a hot oven 450° F for fifteen minutes and then reduce the heat to a moderate 350° F and bake for 25 minutes longer. When done set aside for several hours or a day and then reheat. Serve with pickled beets and brown bread.

PARKER HOUSE PANCAKES

(Parker House, Boston, Massachusetts)

2 cups flour sifted	1 T. powdered sugar
3 teas. baking powder	2 eggs, well beaten
½ teas. salt	1¾ cups milk (about)

Mix and sift the dry ingredients. Combine eggs and milk; add flour mixture and beat until smooth. Bake on a hot well-greased griddle. One tablespoon mixture makes one cake. This recipe makes about 24 small, thin delicate cakes.

TIP-TRICKS

Cakes will keep fresh and moist if a cut apple is kept in the box with them.

Before grinding liver place it in boiling water for about twenty minutes. This will make it much easier to handle.

Oranges and lemons are easier to squeeze and more juice can be extracted if the fruit is first put in warm water for a few moments and then rolled on a hard surface before cutting and squeezing them.

Do not store cake and bread in the same container or the cake will lose a great deal of its flavor.

If you have trouble fastening your food chopper, juice extractor or other such gadgets to your wooden kitchen table adhere a piece of wide adhesive tape to the table and screw the gadget on top.

Eggs will not crack while boiling if a tablespoonful of salt is added to the water, or if the eggs are room temperature.

To test eggs for freshness put them in a bowl of cold water. Fresh eggs will sink. Bad ones won't.

Soak dishes containing the remains of beaten eggs, dough or batter in cold water before washing. Hot water cooks the material making cleaning more difficult.

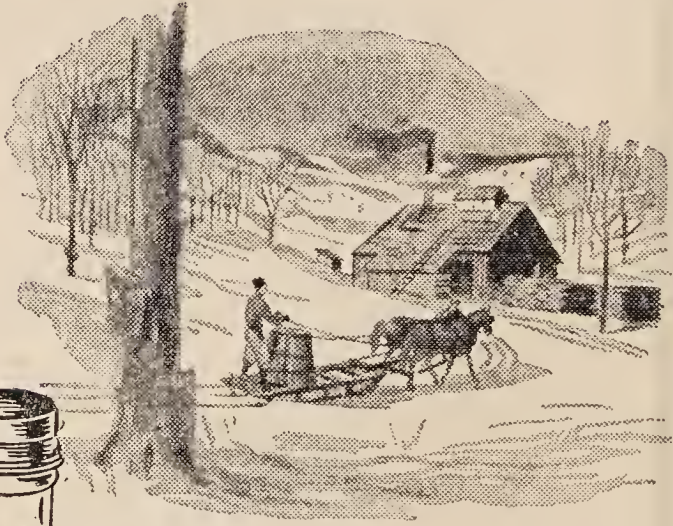
To remove the odor of fish or garlic from the hands wash with salt and cold water before using soap.

A pan or skillet in which food has been burned can often be cleaned easily if a teaspoonful of soda and enough water to cover the burned portion is allowed to boil in the skillet before scouring.

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FIRST NATIONAL
STORES

ANECDOTES AND PLEASANTRIES

WISHED HE HAD

I had stopped my old car before Dick's house and blown the horn. We were going fishing. Dick was our local Rip Van Winkle, a dear fellow who was always going out the back of the house when there was work to be done in front. But now he came out the front door—in a hurry—with his wife right behind him, shrilling her opinions of "good-for-nothing-go-fishing bums," and I guess that included me as well as Dick.

When we pulled away, leaving the tempest behind, Dick got out his pipe, packed it slowly, and sighed.

"You know," he said, "when I met Gertie nigh onto thirty years ago, she was so derved sweet and purty, I could have up and et her."

He paused to light his pipe, then added, "And now, by gosh, I wished I'd done it."

WORDS OF WISDOM

Kansas City, Mo., *Times*: No matter how careless neighbors are about other things, they send your children home at the hour you mention, if not a little before.

Calvin Coolidge: There is no dignity quite so impressive, and no independence quite so important, as living within your means.

Earl Wilson: You can usually tell when a high school boy is serious about a girl by the way she calls him up every evening.

Oscar Wilde: Style largely depends on how the chin is worn.

Ohio State University *Sundial*: A woman looks another woman up and down to see what she is wearing; a man looks a woman up and down to see what she is clothing.

E. F. Benson: The essence of wisdom is not that your heart should not quake but that nobody else should know that it does.

Peter Marshall: Lord, when we are wrong, make us willful to change. And when we are right, make us easy to live with.

Kent Ruth: Men can live without air for a few minutes, without water for about two weeks, without food for about two months—and without a new thought for years on end.—
Quoted in *New Liberty*

Adirondack native, scorning the light eater: What's the good

of keepin' your figure if you ain't got the strength to move it around?

Franklin P. Jones: You can learn a lot about romance at the movies—if you don't let the picture distract you.

RED-HEADED SCHOOLTEACHER

The blizzard was raging. It was really hypering down. The young traveling salesman's car finally just couldn't get through the next snowdrift and stuck. But he could see in the whirling whiteness a faint light ahead. It was a farmhouse, the friendliest he had ever seen. With numbed hands he beat on the door.

After a spell it opened, and there was the farmer, lamp in hand, night shirt flapping, shanks a-shivering. "Come in, Bub," he said. And the salesman gratefully accepted, saying that he was stormbound and just had to have some kind of shelter.

The farmer ruminated. "We got the house pretty nigh filled with all you fellers stuck in the snow, but, come to think of it, you could share the front parlor sofa with the red-headed schoolteacher."

Despite his weariness and chill, the young fellow flushed to the roots of his hair. "I'd have you know, sir," he managed with great dignity, "that I am a gentleman."

"Why sure," said the farmer, "so's the red-headed schoolteacher."

"JOE" LINCOLN

Times, and rhymes and fashions change—but "Joe" Lincoln, in his Cape Cod Ballads jingles on in our memory—and always will. When we have forgotten more high-faluting poetry, the happy patter of his rhymes will remain—with Daniel Cady for his Vermont. So we quote from Cape Cod Ballads, Joseph C. Lincoln's

SUSAN VAN DOOZEN

I'll write, for I'm witty, a popular ditty,

To bring to me shekels and fame.

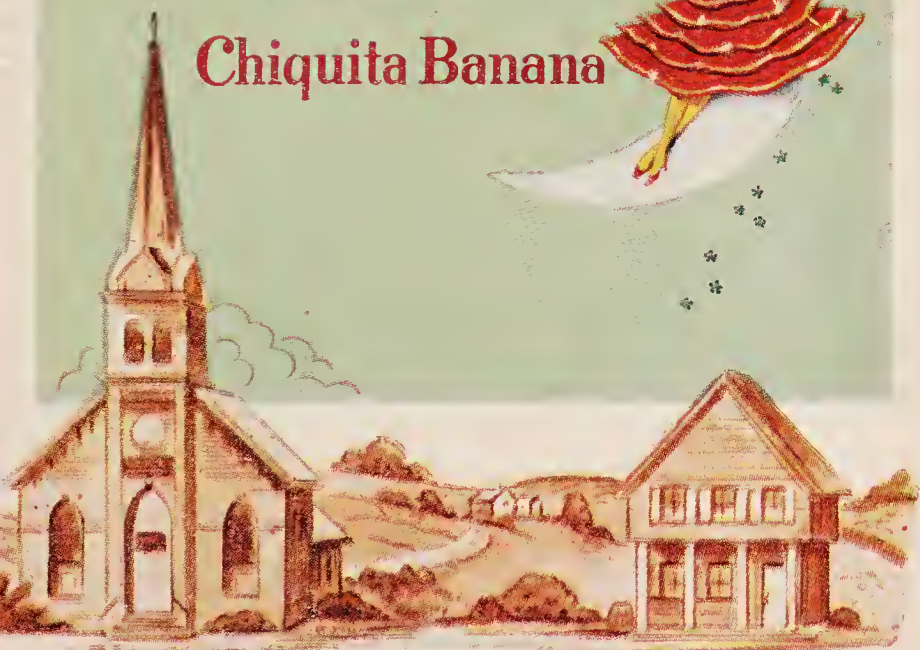
And the only right way one may write one to-day

Is to give it some Irish girl's name.

favorite
BANANA RECIPES
*and interesting
stories of*
NEW ENGLAND

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Chiquita Banana





EASY DOES IT! New Englanders were called Pumpkin Heads because old Blue Laws required their hair be cut round a cap or pumpkin shell every Saturday.

Quick and easy . . .

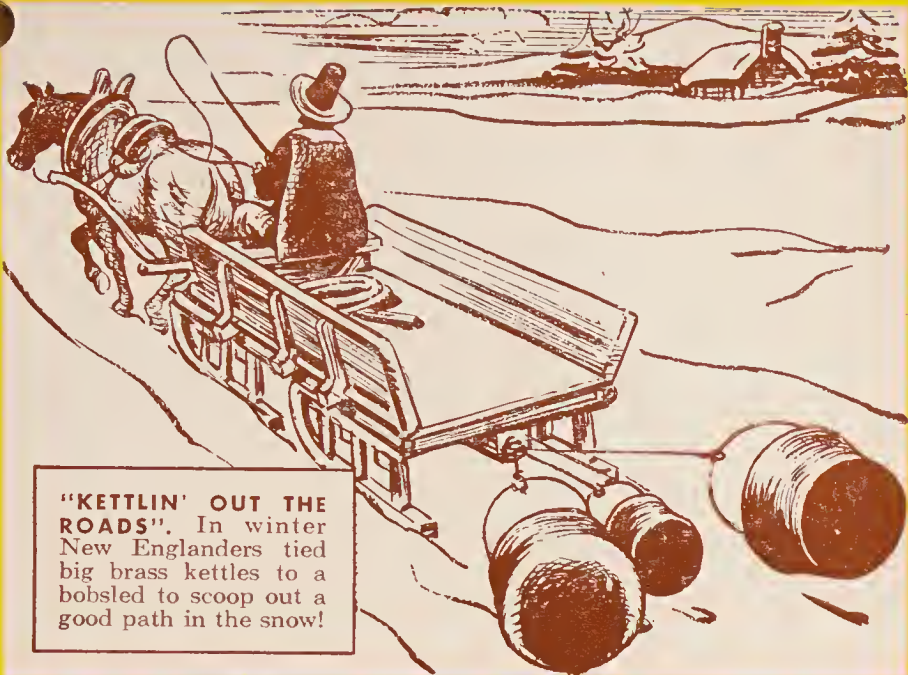
Banana Mixed Grill

4 firm bananas*
4 hamburger patties,
1/2 inch thick
4 tomato halves

1 1/2 tablespoons melted
butter or margarine
Salt
Parsley

**Use all-yellow or slightly green-tipped bananas*

Peel bananas. Place on broiler rack, or into pan containing a rack, together with meat and tomato halves. Brush bananas and tomato halves with butter or margarine and sprinkle lightly with salt. Broil about 3 inches from heat 5 to 6 minutes, or until bananas and meat are browned. Turn bananas and meat only. Continue broiling 5 to 6 minutes longer or until meat and tomatoes are browned and bananas are tender . . . easily pierced with a fork. Garnish hamburger patties and tomatoes with small sprigs of parsley. Four servings.



"KETTLIN' OUT THE ROADS". In winter New Englanders tied big brass kettles to a bobsled to scoop out a good path in the snow!

A favorite for wintry weather . . .

Banana Scallops

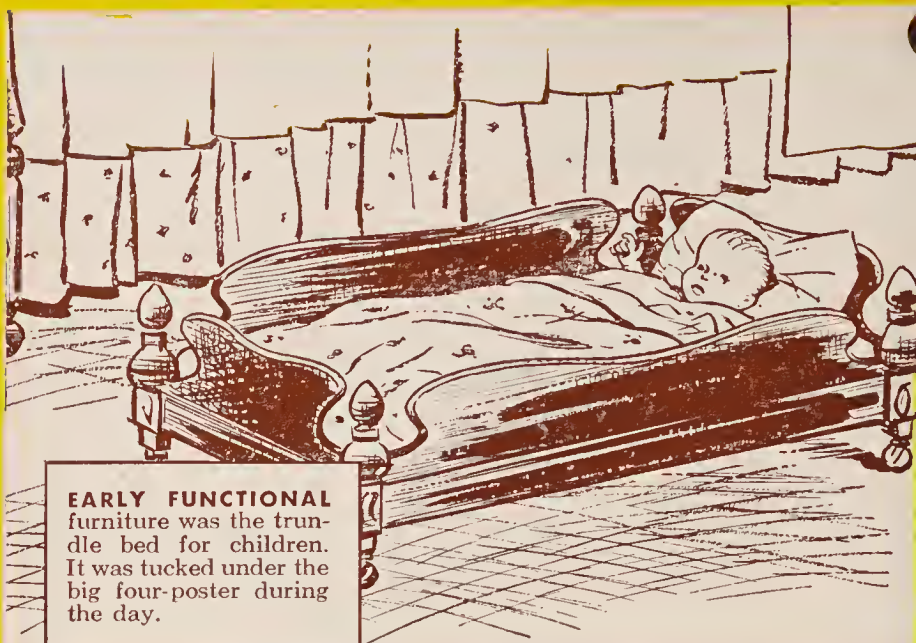
Melted hydrogenated fat or cooking oil for frying
1 egg, slightly beaten, *or*
 $\frac{1}{4}$ cup undiluted evaporated milk

$\frac{1}{2}$ teaspoons salt
4 firm bananas*
 $\frac{1}{2}$ cup fine cornflake crumbs, bread or cracker crumbs or corn meal

**Use slightly green-tipped or all-yellow bananas*

To deep-fry, have deep kettle $\frac{1}{2}$ to $\frac{2}{3}$ full of melted fat or oil. To shallow-fry, have 1-inch of melted fat or oil in frying pan. Heat fat to 375° F., or until a 1-inch cube of bread will brown in about 40 seconds. Combine egg or milk with salt. Peel bananas. Slice crosswise into pieces $\frac{3}{4}$ to 1 inch thick. Dip into egg or milk. Drain. Roll in crumbs or corn meal. Deep-fry or shallow-fry in the hot fat $1\frac{1}{2}$ to 2 minutes, or until brown and tender. Drain well. Serve hot as a vegetable. Four servings.

IMPORTANT: Be sure fat is at correct temperature (375° F.) before frying.



EARLY FUNCTIONAL furniture was the trundle bed for children. It was tucked under the big four-poster during the day.

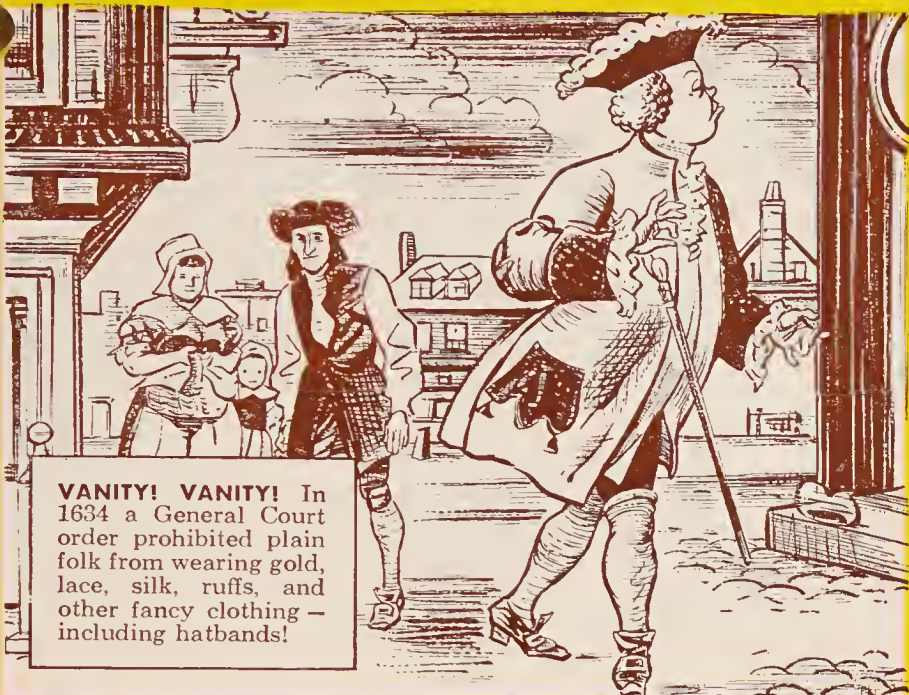
Before trundling your children off to bed, give 'em . . .

Banana Oatmeal Cookies

1½ cups sifted flour	¾ cup shortening
1 cup sugar	1 egg, well beaten
½ teaspoon baking soda	1 cup mashed ripe bananas* (2 to 3 bananas)
1 teaspoon salt	1¾ cups rolled quick-cooking oats
¼ teaspoon ground nutmeg	½ cup chopped nuts
¾ teaspoon ground cinnamon	

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, sugar, soda, salt, nutmeg and cinnamon into mixing bowl. Cut in shortening. Add egg, bananas, rolled oats and nuts. Beat until thoroughly blended. Drop by teaspoonfuls, about 1½ inches apart, onto ungreased cookie pans. Bake in a moderately hot oven (400°F.) about 15 minutes, or until cookies are done. Remove from pan immediately and allow to cool. Makes about 3½ dozen cookies.



VANITY! VANITY! In 1634 a General Court order prohibited plain folk from wearing gold, lace, silk, ruffs, and other fancy clothing — including hatbands!

Dress up any meal with . . .

Lobster Banana Salad

- | | |
|---|---|
| 1½ cups cooked lobster meat (fresh, frozen or canned) | 2 tablespoons salad dressing or mayonnaise |
| 1 cup diced celery | ½ teaspoon salt |
| 2 tablespoons chopped pickle | ¼ teaspoon ground pepper |
| 3 tablespoons French dressing | 1 cup sliced ripe bananas* (1 to 2 bananas) |
| | Lettuce |
| | Salad greens for garnish |

**Use fully ripe bananas . . . yellow peel flecked with brown*

Combine pieces of lobster meat, celery and pickle. Add French dressing, salad dressing or mayonnaise, salt and pepper. Mix lightly. Just before serving, peel and slice bananas. Fold carefully into mixture. Combine 2 or 3 crisp lettuce leaves to form a cup and arrange on each salad plate. Fill with salad mixture. Garnish with crisp salad greens. Makes 4 to 6 servings.



TAKE WARNING! In Puritan days stocks were placed in front of the church to remind people of the penalty for not attending services!

A delicious "after-church" dessert . . .

Banana Chocolate Cream Pie

- | | |
|------------------------------------|--|
| 2 squares unsweetened
chocolate | 3 egg yolks, slightly beaten |
| 2 cups milk | 1 tablespoon butter or
margarine |
| $\frac{2}{3}$ cup sugar | $\frac{1}{2}$ teaspoon vanilla |
| $\frac{1}{2}$ teaspoon salt | 1 baked 9-inch pie shell or
6 ($3\frac{1}{2}$ -inch) tart shells |
| $\frac{1}{3}$ cup flour <i>or</i> | 3 ripe bananas* |
| $\frac{1}{4}$ cup cornstarch | |

**Use fully ripe bananas . . . yellow peel flecked with brown*

Melt chocolate in milk in top of double boiler over rapidly boiling water, beating until blended. Combine sugar, salt and flour or cornstarch. Stir slowly into chocolate mixture. Keep stirring and cook until well thickened. Cook 10 minutes longer; stir occasionally. Stir small amount of hot mixture into egg yolks; then pour back into remaining hot mixture while beating vigorously. Cook 1 minute. Add butter or margarine and vanilla. Cool thoroughly. Cover bottom of pie shell with small amount of cooled filling. Peel bananas and slice into pie shell. Cover with remaining filling. Top with meringue or sweetened whipped cream. Makes 1 pie or 6 tarts. Packaged pudding mix may be used.



HUSKIN' BEES were a harvest custom! Neighbors gathered to help husk corn. A red ear of corn gave a swain the right to kiss a maid.

Everyone can help make this "party special" . . .

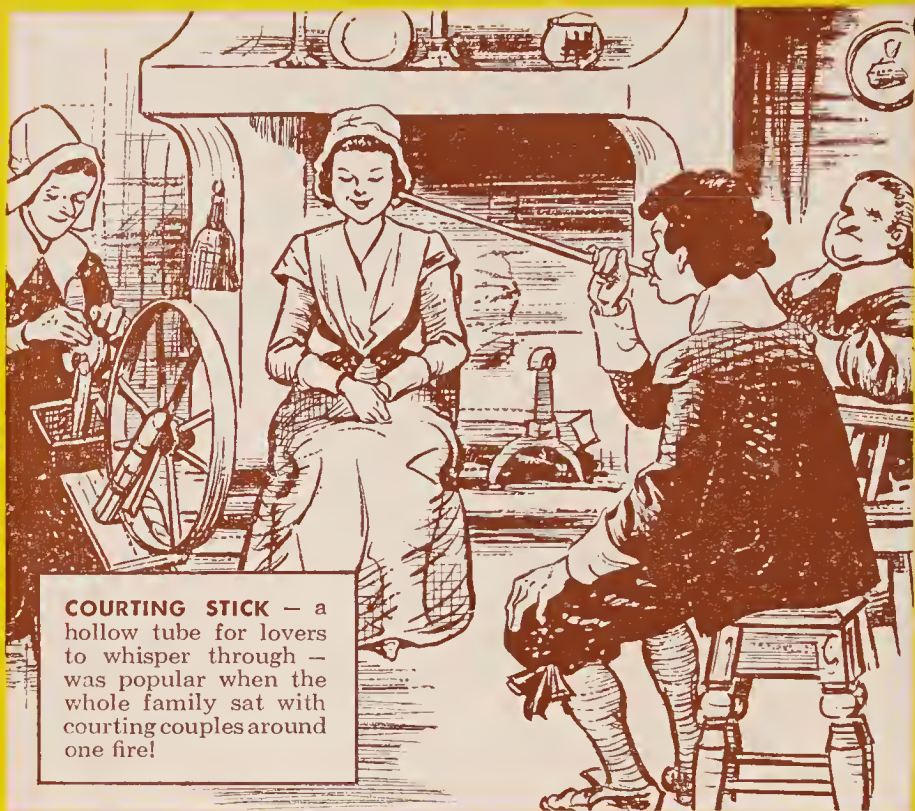
Banana Split

- | | |
|--|------------------------------------|
| 1 ripe banana* | 2 to 3 tablespoons chocolate sauce |
| 3 balls or scoops ice cream | Whipped cream |
| 4 to 6 tablespoons fruit sauce, crushed fruit or preserves | Finely chopped nuts |
| | Cherries or berries |

Use fully ripe banana . . . yellow peel flecked with brown

Peel banana and cut lengthwise into halves. Place halves cut side up, side by side, into a shallow dish. Place balls or scoops of ice cream, side by side, in center on top of banana halves. Cover 2 portions of ice cream with fruit sauce, crushed fruit or preserves. Pour chocolate sauce over other portion of ice cream. Garnish with whipped cream, nuts and cherries or berries, if desired. Makes 1 full-sized Banana Split.

IMPORTANT: Butterscotch or marshmallow sauce may be used in place of chocolate sauce. One, two or three flavors of ice cream may be used.



COURTING STICK — a hollow tube for lovers to whisper through — was popular when the whole family sat with courting couples around one fire!

No time for secret talk when you serve . . .

Banana Ambrosia

2 medium-sized oranges

2 tablespoons sugar

2 ripe bananas*

$\frac{1}{2}$ to $\frac{3}{4}$ cup shredded coconut

**Use fully ripe bananas . . . yellow peel flecked with brown*

Peel oranges and cut crosswise into thin slices, removing seeds and fibrous portions. Peel bananas and slice about $\frac{1}{4}$ inch thick. Arrange alternate layers of orange and banana slices in a large shallow dish, sprinkling each layer with sugar. Use orange slices for the bottom and top layers. Sprinkle top generously with coconut. Chill about 1 hour before serving. Just before serving, garnish with additional ripe banana and orange slices, if desired. Four to six servings.



DUCKING FOR NAGS!
Massachusetts wives who nagged or scolded their husbands were set in a "ducking stool" and ducked in the town pond!

Wives who love their husbands serve them . . .

Banana Coconut Rolls

4 firm bananas*
2 tablespoons butter or
margarine, melted

2 tablespoons lemon or lime
juice
½ cup shredded coconut

**Use either all-yellow or fully ripe bananas*

Peel bananas and cut crosswise into halves. Place into a well-greased baking dish. Brush thoroughly with butter or margarine, then with lemon or lime juice. Sprinkle bananas with coconut. Bake in a moderate oven (375°F.) 15 to 20 minutes, or until coconut is browned and bananas are tender . . . easily pierced with a fork. Garnish with sliced pineapple, fluted orange slices and cherries, if desired. Serve hot with hot Orange Sauce or Pineapple Sauce. Four servings.



FIRST WEATHERMAN in old New England was Abraham Weatherwise. In 1792, he started working for the Old Farmers' Almanac and remains its mythical forecaster.

A popular recipe for a wintry night . . .

Ham Banana Rolls with Cheese Sauce

4 thin slices boiled ham
Prepared mustard
4 firm bananas*

1½ tablespoons melted
butter or margarine
Cheese Sauce

**Use all-yellow or slightly green-tipped bananas*


Spread each slice of ham lightly with mustard. Peel bananas. Wrap a slice of the prepared ham around each banana. Brush tips of bananas with butter or margarine. Place Ham Banana Rolls into a greased shallow baking dish, and pour Cheese Sauce over them. Bake in a moderate oven (350°F.) 30 minutes, or until bananas are tender . . . easily pierced with a fork. Serve hot with the Cheese Sauce from the baking dish. Four servings.

Cheese Sauce

1½ tablespoons butter or
margarine
2½ tablespoons flour

¾ cup milk, scalded
1½ cups grated sharp
American cheese

Melt butter or margarine in saucepan; add flour and stir until smooth. Stir in milk slowly. Add cheese and cook, over low heat, stirring constantly until sauce is smooth and thickened. Makes about 1 cup sauce.



WIDOWS' WALKS — railed rooftops — are found on many old New England houses. Wives used them to watch for their husbands' homecoming clipper ships.

Everyone hurries home for . . .

Banana Chiffon Cake

- | | |
|---|-----------------------------------|
| 2¼ cups sifted cake flour | 1 cup mashed ripe bananas* |
| 1½ cups sugar | (2 to 3 bananas) |
| 1 tablespoon double-action
baking powder | 1 tablespoon fresh lemon
juice |
| 1 teaspoon salt | ½ teaspoon cream of tartar |
| ½ cup cooking (salad) oil | 1 cup egg whites |
| 5 egg yolks, unbeaten | (7 or 8) |

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, sugar, baking powder and salt into mixing bowl. Make a "well" in dry ingredients and add in order, oil, egg yolks, bananas and lemon juice. Beat until smooth. Add cream of tartar to egg whites. Beat egg whites in a large mixing bowl until they form very stiff peaks. **DO NOT UNDERBEAT.** Gradually and gently fold banana mixture into egg whites, just until blended. **DO NOT STIR.** Pour into ungreased, 10-inch tube pan, 4 inches deep. Bake in a moderate oven (325° F.) about 1 hour 5 minutes, or until cake is done. Immediately turn pan upside down, placing the tube part over a small-necked bottle or funnel so that the pan is elevated about 1 inch above surface of table. Let cake hang until cold. Loosen cake from sides and tube of pan with spatula. Turn pan over and tap edge sharply to loosen cake. Spread top and sides of cake with your favorite frosting, if desired. Makes one 10-inch tube cake (16 to 20 servings).



BLACKBIRD BOUNTY!

When blackbirds menaced crops, a New England town paid a bounty of one penny for each bird killed.

Extra bounty for hard-working husbands . . .

Golden Crust Bananas

1 egg, slightly beaten

or

¼ cup undiluted evaporated milk

1½ teaspoons salt

4 firm bananas*

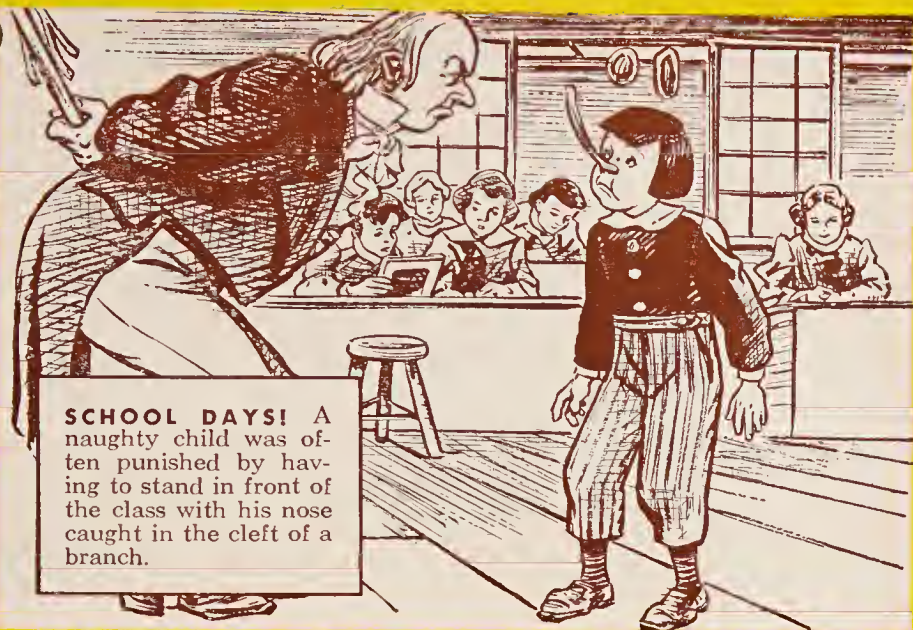
½ cup cornflake crumbs, bread or cracker crumbs

3 tablespoons butter or margarine, melted

**Use slightly green-tipped or all-yellow bananas*

Mix together egg or undiluted evaporated milk and salt. Peel bananas and cut into halves crosswise. Dip banana halves into egg or milk, then drain 2 to 3 minutes. Roll in crumbs. Place crumbed banana halves into greased baking pan. Sprinkle bananas with melted butter or margarine. Bake in a very hot oven (450°F.) about 10 to 12 minutes, or until bananas are tender . . . easily pierced with a fork. Brown under broiler 2 to 3 minutes, just before serving. Serve hot as a vegetable with meat, poultry, fish or eggs for luncheon or dinner. Makes 4 servings.

IMPORTANT: If desired, bananas will brown in the oven if baked at 450°F. 4 minutes, then baked at 500°F. for remaining 8 minutes.



SCHOOL DAYS! A naughty child was often punished by having to stand in front of the class with his nose caught in the cleft of a branch.

Try this favorite in "small-fry" lunch boxes . . .

Banana Bread

1 $\frac{3}{4}$ cups sifted flour	$\frac{2}{3}$ cup sugar
2 $\frac{3}{4}$ teaspoons double-action baking powder	2 eggs, well beaten
$\frac{1}{2}$ teaspoon salt	1 cup mashed, ripe bananas*
$\frac{1}{3}$ cup shortening	(2 to 3 bananas)

**Use either fully ripe or all-yellow bananas*

Sift together flour, baking powder and salt. Beat shortening until creamy in mixing bowl. Add sugar gradually to shortening and continue beating until light and fluffy. Add eggs and beat well. Add flour mixture alternately with bananas, a small amount at a time, mixing after each addition only enough to moisten dry ingredients. Turn into a greased loaf pan (8 $\frac{1}{2}$ x4 $\frac{1}{2}$ x2 $\frac{1}{2}$ inches) and bake in a moderate oven (350°F.) about 1 hour 10 minutes or until bread is done. Makes 1 loaf.

VARIATION

HOLIDAY BANANA BREAD: Add 1 cup mixed, candied fruit, $\frac{1}{4}$ cup raisins and $\frac{1}{2}$ cup coarsely chopped nuts to egg mixture.



'Specially good for a quick pick-up . . .

Banana Milk Shake

1 fully ripe banana*

1 cup (8 ounces) COLD
milk

**Use fully ripe banana . . . peel well flecked with brown*

Peel banana. Slice into a bowl and beat with a rotary egg beater or electric mixer until smooth and creamy. Add milk. Mix well. Serve immediately. Makes 1 large or 2 medium-sized drinks.

VARIATIONS

BANANA CHOCOLATE MILK SHAKE: Add 1 tablespoon chocolate syrup before mixing milk shake.

BANANA ORANGE MILK SHAKE: Use $\frac{1}{2}$ cup orange juice in place of half of the milk. Add $\frac{1}{2}$ teaspoon sugar before mixing milk shake.

BANANA SPICED MILK SHAKE: Sprinkle ground nutmeg or cinnamon on top of milk shake just before serving.



LAWFUL PEEPING TOM was the Tything Man, a parish officer, whose job was to spy out and report breaches of conduct to the town magistrates!

Wait till company spies this . . .

Banana Waldorf Salad

- | | |
|---------------------------------------|--------------------------------------|
| 1 large red apple, unpared | 2 ripe bananas* |
| ½ cup diced celery | Lettuce |
| ¼ cup mayonnaise or
salad dressing | ¼ to ½ cup walnut or
pecan halves |
| Salad greens for garnish | |

**Use fully ripe bananas . . . yellow peel flecked with brown*

Wash apple and remove core. Dice into medium-sized pieces. Combine apple, celery and mayonnaise or salad dressing. Peel bananas and slice crosswise into pieces about ¼ inch thick. Add lightly to apple mixture. Combine 2 or 3 crisp lettuce leaves to form a cup and arrange on each salad plate. Fill lettuce cup with salad mixture. Garnish salad with nuts and crisp salad greens. Four to six servings.

IMPORTANT: This salad, to be at its best, should be made not longer than 1 hour before serving.

Chiquita Banana hopes you have enjoyed these quaint tales and pictures of life in old New England, and her famous banana recipes.



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There's "Rosy O'Grady," that
 dear "steady lady,"
 And sweet "Annie Rooney"
 and such,
 But mine shall be nearly orig-
 inal, really,
 For Susan Van Doozen is
 Dutch.

O Susan Van Doozen! the girl
 of my choosin',
 You stick in my bosom like
 glue;

While this you're perusin', re-
 member I'm musin',
 Sweet Susan Van Doozen on
 you.

So don't be refusin' my offer,
 and bruusin'

A heart that is willing to woo;
 And please be excusin', not cold
 and refusin',—

O Susan Van Doozen, please
 do!

Now through it I'll scatter—a
 quite easy matter—,
 Some lines that we all of us
 know,

How the neighbors all cry as
 she passes them by

"There's Susan, the pride of
 the row!"

And something like "daisy" and
 "setting me crazy,"

—These lines the dear public
 would miss—

Theu chuck a "sweetheart" in,
 and "never to part" in,
 And end with a chorus like
 this:

Oh Susan Van Doozen! before
 I'd be losin'

One glance of your eyes of
 sky-blue,

I vow I'd quit usin' tobacco and
 boozin',

(That word is not nice it is
 true).

I wear out my shoes, 'n' I'm
 losin' my roos'n',

My reason I should say, dear
 Sue.—

So please change your views 'n'
 become my own Susan,

Oh Susan Van Doozen, please
 do!

FROM OUR 1900 SCRAPBOOK

"Uncle John," said little Emily,
 "do you know that a baby that
 was fed on elephant's milk
 gained 20 pounds in a week?"

"Nonsense! Impossible!" ex-
 claimed Uncle John, and then
 asked, "Whose baby was it?"

"It was the elephant's baby,"
 said little Emily.

* * *

Jack—"I made two calls this
 afternoon and I must have left
 my umbrella at the last place I
 called."

Tom—"How do you know but
 what you left it at the first
 place?"

Jack—"Because that's where I
 got it."

* * *

Mrs. Dormy—"I wonder you
 are not afraid to smoke. Just let
 me read you what there is in a
 cigar: Acetic, formic, butyric,
 valerianic, propionic and prus-
 sic acids; creosote, phenol, am-
 monia, sulphuretted hydrogen;
 and, besides, nicotine, viridine,
 and picoline."

Mr. Dormy—"And you can get
 all that for a nickel?"

THE GREAT RIOT IN BROAD STREET, BOSTON

June 10th, 1837. There had
 been a large fire from which No.
 20 had returned and housed their
 engine. Some of the members re-
 mained to see an Irish funeral
 procession pass. One of the mem-
 bers who stood upon the pave-
 ment was rudely pushed back
 upon the sidewalk by an Irish-
 man with the remark, "He had
 no business in the street." High
 words followed, then blows in
 quick succession; the firemen
 gathered around their comrade;
 the Irish rushed to the assist-
 ance of their friend. The Irish
 drove the firemen back to the
 engine house, took the engine
 out into the street, where they
 upset it.

The firemen rallied while the
 Irish rushed to Robbins' wood-
 wharf, where they armed them-
 selves with sticks of wood and
 lumps of coal, which they plied
 with some success. . . .

The fight was kept up until
 seven o'clock in the evening,
 without intermission. The ranks
 of the Irish were gradually
 thinned, by the arrest of some
 of their more prominent mem-
 bers, who were carried off to
 jail amid loud shouts and yells.

During the conflict the firemen
 demolished several tenements,
 throwing furniture, provisions
 and children into the street.
 Feather-beds were ripped open,
 and their contents emptied into
 the street. The east wind wafted
 the feathers all over the city,
 causing such a shower as might
 have been taken at a little dis-
 tance, for a snowstorm. A large
 number of persons were badly
 injured, but the Irish suffered
 most severely.

The Fireman by David D. Dana,
 1858.

SOME DEVELOPMENTS IN AGRICULTURAL SCIENCE

VARIETIES OF FRUIT

The University of Massachusetts, the Waltham, Mass., Field Station, the University of New Hampshire, The New York State Fruit Testing Cooperative Association are to mention but a few of the very many places where experiments with, and production of, new varieties of fruits and vegetables goes on year after year.

The New Hampshire Horticultural Society lists in its 1954 bulletin a number of interesting new varieties as described by A. P. French, of the University of Massachusetts, and developed there.

Our commercial apples have shrunk in number, till now, here in the East; we have perhaps only 12 important ones, which, listed in the approximate order of harvest, are: Lodi, Early McIntosh, Milton, Red Gravenstein, McIntosh, Macoun, Cortland, Delicious, Golden Delicious, Baldwin, Red Spy and Gallia (of the Rome type).

Some new varieties now lately on trial are:

PURITAN—cross between McIntosh and Red Astrachan; red, good-sized, probably biennial bearer, and will pollinate McIntosh. Harvested mid-August.

SPARTAN—McIntosh offspring from British Columbia. Excellent quality and color but rather small. Probably annual bearer. Will pollinate McIntosh. Harvested late September.

DAVEY—Good-sized, fair quality—probably better keeper than McIntosh. Harvested late September.

MELROSE—Winter variety from Ohio. Good quality, well-colored and excellent for pie and sauce. Annual bearer. Mid October.

GALBRAITH BALDWIN—Highly colored Baldwin sport.

One interesting problem in searching for new varieties is to find something that will replace our good old Baldwin, which must compete with the western Winesap. Unfortunately the Baldwin does not, commercially, command the respect it used to. If it is to be planted, it must be borne in mind, that, like the Spy, it will take many years before bearing.

Peaches are a big business here in the East (as well as the South and the West) particularly on our road-side stands. Here's the problem for the kind of peach we want. Whereas the Elberta is no doubt the king of peaches, its harvesting is late and comes at about the time of the picking of our McIntosh—or just a little later. And most peach growers are McIntosh apple growers. So what we are looking for in new varieties is a "succession of high quality, relatively bud hardy varieties, ripening before Elberta, and preferably with yellow flesh and free stone."

Some of the new varieties developed in Massachusetts, and probably the most promising, are on this trial list of the newer peach varieties. (The figures in the right hand column indicate the number of days ahead of Elberta that each variety is ready for harvest.)

Variety	Flesh	Harvest Season
Golden Early Blrd	Yellow	—46
Prairie Sunrise	Yellow	—34
Early Halehaven	Yellow	—24
Sunhigh	Yellow	—23
Wildrose	White	—21
Fairhaven	Yellow	—17
Summerrose	White	—16

NEW THINGS FOR OLD

Remember the old-time wooden maple sap buckets? Well, not surprisingly these are being replaced, or have long since been replaced, first by metal buckets and now by plastic bags. These bags are cleaner than the metal or the wood buckets, and, obviously, a whole lot lighter.

We haven't yet tried trimming our lawn with a watering can, but there are many that have, including a lot of highway departments. The U. S. Rubber Company has developed a chemical, which, they explain, prevents new cells from forming, thus dwarfing the grass and making it greener and thicker.

Though sold under many different trade names, chlordane is a new insecticide (either oil or water base) especially effective for killing ants. Chlordane may be used in a variety of ways, as a spray, a drench, or a dust. As a 2 per cent oil base spray it is especially satisfactory in the home, for it dries without streaks or stains. But a word of warning for any oil base sprays: never use near flame, for they are inflammable; nor on asphalt tile for they will dissolve the asphalt; or in a lawn or garden, or on trees and shrubs, because they injure plant life. Use outside as a wettable powder spray—or a dust.

A tractor-powered rotary cutter, equipped with two steel blades that turn corn stalks, brush and weeds into shreds, has been added to FORD MOTOR COMPANY'S farm machinery line. The 653-pound machine is attached to the Ford tractor and is lowered and lifted hydraulically. The hardened steel alloy blades are driven by the tractor power-take-off, and a gauge wheel with puncture proof tires provides a cutting height range of from 2 to 10 inches.

Liquid petroleum fuel conversion for the POWERCRATER engine in the WD-45 tractor is announced by Allis-Chalmers.

Equipment is installed at the factory and complies with all state fire underwriters codes for safe operation in the field. A combination carburetor is used for either gasoline or L-P fuel.

Preservatives for grass silage used in the past have been either of two kinds. The first is a readily fermentable carbohydrate, such as molasses or one of the cereal grains, to furnish fuel for the acid-forming type of fermentation and, then, to consequently accumulate organic acids in sufficient concentration to stop bacterial action. Acceptable silages can be made with these substances, but the process is wasteful as some of them are expensive and may be largely lost in the fermentation process. Molasses is, moreover, not very convenient to handle.

The second general kind of preservative used has been the acids which produce conditions too acid for bacterial action. Acids such as hydrochloric, sulfuric and phosphoric have been used, but their use has been generally discontinued in this country because of difficult handling and their adverse effects on the digestive system and the mineral metabolism of cattle.

Three years ago, the Department of Animal Nutrition at the Pennsylvania State University began experimental silage work using a preservative never previously used as an agricultural chemical, a white, free-flowing and granular powder called sodium meta-bisulfite (anhydrous sodium bisulfite). Three years were spent on intensive testing of it in carefully controlled experimentation which included measurements of nutritive value, color, odor, lactic and butyric acids and palatability. Ease of application, cost and loss of nutrients from the silo were also taken into account. Following a preliminary announcement in August of 1952, a station report was issued in April, 1953, recommending the material's use as a preservative for grass silage. The acceptance of this new material by farmers was phenomenal and it clearly indicated the dissatisfaction which prevailed generally among those who had tried other means of preserving grass as silage.

About 1,000 silos were filled with bisulfite grass silage in Pennsylvania last year.

FOR SAFETY

There is not a modern farm today without its electric motors, for everything from coolers and milk separators to deep freezers. Safety against fire on a farm anywhere is a number one consideration, of course, but there isn't any question that even the modern farmer is using electric equipment he knows next to nothing about. Lots of fire extinguisher salesmen go from farm to farm and sell their usually good extinguishers, but frequently they leave this good advice behind nowadays: "Electric motors should be protected from the chance of fire by an over-current device."

An over-current device is a fuse—a "time-delay" fuse commonly called cartridge fuses ("Fusetron" and "Fusetat" are two trade names) and are especially designed against over-current in motors under one horse power. Placed in the electric circuit at the outlet box, the size of the unit is determined by reading the amperes on the motor and adding 10%. The extra 10% permits the motor to operate under normal (or even 10% overload) without the circuit being opened. The time-delay feature permits momentary high overloads—such as starting—without opening the circuit.

GOOD OLD TOMATO

At the Virginia Truck Experiment Station, Norfolk, M. M. Parker, assistant director, has proved beyond a doubt that the tomato plant can be and should be the garden's biggest producer. From July to November, 1953, from just 25 plants he produced more than 1600 pounds of clean ripe fruit. He did it by growing the plants in a cylinder made of concrete reinforcing wire 5 feet high and 2 feet in diameter. The plants eventually grew out the top of the cylinder and down the outside, making a total growth of about 12 feet.

At Delaware College experiments with tomatoes have clearly shown that the plants do better when given lots of room, as much as 12 to 15 square feet of space.

FORESTRY

Perhaps there is no other industry in the United States that has striven harder to economize and utilize its materials than our forest industries. We quote here from *Forest Notes*, organ of the "Society for the Protection of New Hampshire Forests":

Wood-chip seeding experiments now in progress may make it possible to reclaim hundreds of thousands of barren acreages throughout the West.

Charles Rector, Forest Supervisor of the Umatilla National Forest in Oregon, said the experimentation includes nine plots which have been seeded with grass and covered with wood chips.

If the experiments prove successful, huge acreages of virtually useless land can be transformed into useful watersheds and grazing land.

The object is to use wood chips as a moisture-holding cover which will prevent the grass from drying out when the dry season arrives. Forestry experts believe the grass, after it has had a chance to take firm root, can withstand the dry weather.

Here in New Hampshire road bank seedings could well be protected by such a mulch with much less fire hazard than the currently used hay. The Recreation department is seriously considering the use of wood chips not only to dispose brush on ski trails but to "insulate" the rocks, protecting skiers and the snow. Brush covered rocks hold snow better than bare ones.

BUTTER VERSUS MARGARINE

Butter versus Margarine in the Postwar Years and 1935-39

Year	Butter (per lb.)		Margarine (per lb.)	
	Per Capita Consumption	Price (cents)	Per Capita Consumption	Price (cents)
1946	10.7	71	3.8	28.3
1947	11.1	80.5	4.9	40.8
1948	9.9	86.7	6.0	41.4
1949	10.4	72.5	5.7	30.8
1950	10.6	72.9	6.0	32.7
1951	9.5	81.9	6.5	34.7
1952	8.7	85.5	7.8	29.4
1953	8.6	79	8.1	29.4
1935-39 Average	16.8		2.8	

Note: Data from Department of Agriculture sources. All prices are retail. Colored margarine prices are quoted for 1950-53.



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Arizona:	C. U. Pickrell, University of Arizona, Tucson.
Arkansas:	Lippert S. Ellis, College of Agriculture, University of Arkansas, Fayetteville. *C. A. Vines, Associate Director, 421 W. Capitol Ave., Little Rock.
California:	Wayne F. Weeks, Acting Dir., College of Agriculture, University of California, Berkeley 4.
Colorado:	James E. Morrison, Colorado Agricultural and Mechanical College, Fort Collins.
Connecticut:	W. B. Young, Associate Director, University of Connecticut, Storrs. *Henry Hanseu, Assoc.
Delaware:	G. M. Worrilow, Director, University of Delaware, Newark.
Florida:	H. G. Clayton, Agricultural Extension Service, Experiment Station, Gainesville.
Georgia:	Dr. C. C. Murray, Georgia State College, Athens *Walter S. Brown, Georgia State College of Agriculture, Athens, Associate Director.
Idaho:	D. R. Theophilus, College of Agriculture, University of Idaho, Moscow. *(C. O. Youngstrom, Assistant Director, State House, Boise)
Illinois:	R. R. Hudelson, Dir., College of Agriculture, University of Illinois, Urbana. *W. G. Kammlade, Associate Director, College of Agriculture, University of Illinois, Urbana.
Indiana:	H. J. Reed, Purdue University, LaFayette. *L. B. Hoffman, Associate Director, Purdue Univ., Lafayette.
Iowa:	Floyd Andre, Iowa State College of Agriculture and Mechanic Arts, Ames.
Kansas:	L. C. Williams, Kansas State College of Agriculture and Applied Science, Manhattan.
Kentucky:	Frank J. Welch, College of Agriculture, University of Kentucky, Lexington 29. T. R. Bryant, Assoc. Dir.,
Louisiana:	H. C. Sanders, Louisiana State University and Agricultural and Mechanical College, University Station, Baton Rouge 3.
Maine:	A. L. Deering, College of Agriculture, University of Maine, Orono.
Maryland:	Dr. James Gwin, Univ. of Maryland, College Park.
Massachusetts:	James W. Dayton, Associate Dean and Director of Extension Service, Massachusetts State College, Amherst.
Michigan:	D. B. Varner, Michigan State College of Agriculture and Applied Science, East Lansing.
Minnesota:	Paul E. Miller, Department of Agriculture of the University of Minnesota, University Farm, St. Paul 8.
Mississippi:	Clay Lyle, Mississippi State College, State College *M. S. Shaw, Ass't. Dir. Mississippi State College, State College.
Missouri:	J. W. Burch, College of Agriculture, University of Missouri, Columbia.
Montana:	N. E. Beers, Acting Dir., Montana State College of Agriculture and Mechanic Arts, Bozeman.
Nebraska:	W. V. Lambert, Director, College of Agriculture, University of Nebraska, Lincoln 1. *E. W. Janike, Acting Associate.
Nevada:	C. B. Hutchison, Agricultural Extension Division, University of Nevada, Reno.
New Hampshire:	L. A. Bevan, University of New Hampshire, Durham.

- New Jersey: W. H. Martin, State College of Agriculture and Mechanic Arts of Rutgers University, New Brunswick.
*(L. G. Cook, Associate Director, College of Agriculture, New Brunswick)
- New Mexico: Robert A. Nichols, New Mexico College of Agriculture and Mechanic Arts, State College.
- New York: L. R. Simons, New York State College of Agriculture, Ithaca.
- North Carolina: David Weaver, State College Station, Raleigh.
- North Dakota: E. J. Haslerud, North Dakota Agricultural College, State College Station, Fargo.
- Ohio: W. B. Wood, Actg. Dir., College of Agriculture, Ohio State University, Columbus 10.
- Oklahoma: Shawnee Brown, Oklahoma Agricultural and Mechanical College, Stillwater.
- Oregon: F. Earl Price, Oregon State Agricultural College, Corvallis. *F. L. Ballard, Associate Director.
- Pennsylvania: H. R. Albrecht, Pennsylvania State College, State College.
- Rhode Island: H. O. Stuart, Rhode Island State College, Kingston.
- South Carolina: D. W. Watkins, Clemson Agricultural College of South Carolina, Clemson.
- South Dakota: George I. Gilbertson, Director, South Dakota State College of Agriculture and Mechanic Arts, Brookings.
- Tennessee: J. H. McLeod, College of Agriculture, University of Tennessee, Knoxville 7.
- Texas: G. G. Gibson, Director, Agricultural and Mechanical College of Texas, College Station.
- Utah: Dr. Carl Frischknecht, Utah State Agricultural College, Logan.
- Vermont: J. E. Carrigan, College of Agriculture, University of Vermont, Burlington.
- Virginia: L. B. Dietrick, Virginia Polytechnic Institute, Blacksburg.
*W. H. Daugherty, Assoc.
- Washington: R. M. Turner, State College Box 328, Pullman.
- West Virginia: J. O. Knapp, Director, College of Agriculture, West Virginia University, Morgantown.
- Wisconsin: H. L. Ahlgren, Associate Director, College of Agriculture, University of Wisconsin, Madison 6.
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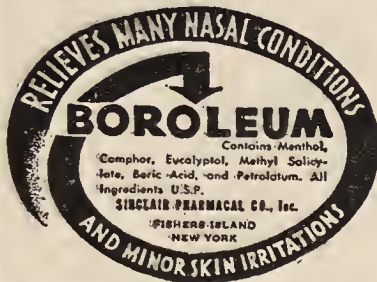
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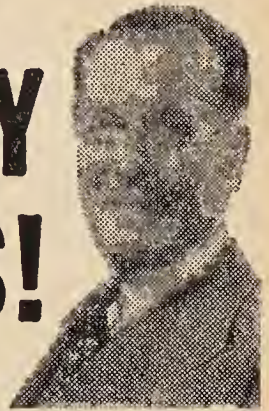
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TALK ABOUT THE WEATHER

Here is a compilation of weather extremes for the United States that should hold even the most ardent prognosticators and weather fans.

Temperature: Lowest: -69.7 degrees Rogers Pass, Montana on January 20, 1954. Highest: 134 degrees at Greenland Ranch, Death Valley Calif., July 10, 1913.

Wind: Highest: Gust of 231 miles per hour at Mt. Washington, N.H., April 1934.

Precipitation: (includes both rain and snow, on the basis that ten inches of snow are equal in water content to approximately one inch of rain): Driest State: Nevada, with a yearly average of 8.8 inches. Driest Spot: Greenland Ranch, Death Valley, Calif., with an annual average of 1.35 inches. Average for U.S.: About 29 inches. Wettest State: Louisiana with a yearly average of about 55 inches. Wettest Spot: Wynoochee Oxbow, Wash., with a 13 year average annual rainfall of 150.07 inches.

Largest rainfall in 24 hours: 23.22 inches at New Smyrna, Fla., Oct. 10-11, 1924.

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Continued from preceding page.

Largest snowfall in 24 hours:
60 inches at Giant Forest, Calif.

Largest snowfall in one season:
884 inches in Tamarack, Calif.,
in 1906-7.

Average seasonal snowfall: 351
inches in Tamarack, Calif.

Hail: One and one half pounds
which fell at Potter, Neb., July
6, 1928.

Myths of History.

The path of recent historical
research is strewn with the
wrecks of discredited myths; but
of all these the wreck of the
once cherished story of William
Tell, Gessler and the apple is
the most conspicuous. In 1760 a
German book was published
casting doubts on the narrative,
and the book was publicly
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Unfortunate Hannah

Rowland Robinson, m. Dec. 31, 1741, to Anstis Gardner, in St. Paul's Church, Narragansett, R.I. was borne three children—Hannah, Mary, and William. Mary died single, William died without issue, and Hannah was styled the Unfortunate. Dr. William Bowen of Providence observed that she was "the most perfect model of beauty he ever knew . . . graceful and dignified . . . fair and beautiful . . . her manner urbane and captivating."

Mr. Peter Simons, a Newport schoolmate, had early in life become attached to her, and they became engaged. Mr. Robinson, for reasons not known, opposed the union . . . was unwearied in trying to prevent it. She was closely watched . . . a servant accompanied her everywhere she went. In one instance, she left home to visit her aunt in New London; her father soon afterwards discovered from his windows a vessel leaving Newport—and his jealousies were aroused. He hastened after his daughter to New London and insisted on her immediate return. Her uncle, Col. John Gardiner, aware of the wrongs his niece, Hannah was suffering, and seeing how these had affected her health, contrived interviews between Mr. Simons and his fiancée. Perilous meetings these—for if Simons had been discovered, Mr. Robinson would probably have killed him.

After Hannah had failed in every effort—even with the help of her mother—to reconcile her father to this union, she consented to an elopement. Having obtained permission to visit her Aunt Updike, near Wickford, she left home accompanied by the servant who usually attended her. On arriving at the gate which led to her aunt's house, Mr. Simons was in waiting with a carriage . . . and that evening they were married in Providence.

The news of the elopement, when communicated to Mr. Robinson by the servant, roused all the fury of his ire. He offered a reward for their apprehension, but no discovery was made. Every friend and relative became accessory to their concealment. Even the name of the clergyman who performed the ceremony could never be ascertained.

History Narragansett Church

SMASHED WINDSHIELDS

With Flying Saucers speculation and testimony in an ebb tide during 1954, the world public was not without the company of its little men of space. This time the little devils apparently were out to break or pockmark the windshields of automobiles.

The "Missile Mile," a stretch of road in Surrey, England, became particularly famous in this connection. There follows an on-the-spot account of the happenings there for you:

"The question was raised in the House of Commons by Mr. Rohson Brown, Conservative Member for Esher, whose own windscreen was shattered on the 16th January. In a written reply Sir David Maxwell Fyfe stated that between January 1st, 1951, and January 16th, 1954, 67 motor-car windscreens were reported to the police to have been shattered on the Portsmouth Road at Esher. Such information as was available suggested that most of the windscreens were made of toughened glass.

"Dr. A. C. Waive, director of research at a factory producing half a million windscreens a year, said friends of his have told him that at fairly high speed that section of the road produces an unusual vibration in cars. 'I believe', he said, 'that a combination of speed and road conditions could produce a vibration which toughened glass might not stand, although it may have no effect on laminated glass.

"Another theory is that the smashed windscreens are due to the activities of a top-secret research establishment, which is 700 yards from the road. Its equipment includes an instrument which converts electrical energy into intensely concentrated pressure waves. Its staff are experts in the new field of ultrasonics developing sounds far beyond human hearing and capable of punching holes through steel plate. An ultrasonics scientist is reported to have said that it is not only possible but reasonably likely that these waves could smash a windscreen half a mile away."

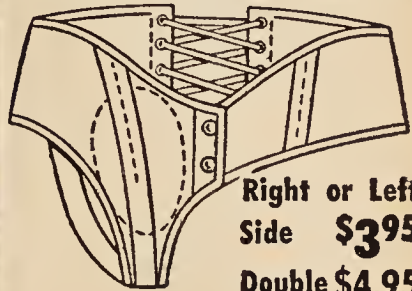
At home the matter finally resolved itself into a statement by the Pittsburgh Plate Glass Company—as quoted by the Associated Press on April 20th last:

"Pittsburgh Plate Glass Co. said today examination of 150 autos hit by the so-called pock-marked windshields shows they were victims of road conditions and no scientific mystery."

Immediate Comfort
And Relief for You with

RUPTURE-EASER

T. M. Reg. U. S. Pat. Off. A Piper Brace Truss
For MEN, WOMEN and CHILDREN



Right or Left
Side \$3.95
Double \$4.95

NO FITTING REQUIRED

A strong, form-fitting washable support designed to give you relief and comfort. Adjustable back-lacing and adjustable leg straps. Snaps up in front. Soft flat groin pad—NO STEEL OR LEATHER BANDS. Unexcelled for comfort. INVISIBLE UNDER LIGHT CLOTHING. Washable. Also used as after operation support.

• THE MOST EFFECTIVE HERNIA SUPPORT.

Thousands of people who have tried old-fashioned, expensive devices turn to Rupture-Easer for new comfort.

• RUPTURE-EASER IS SANITARY.

Can be washed without harm to fabric—you never offend when you wear Rupture-Easer.

• NO FITTING REQUIRED.

Just measure around the lowest part of the abdomen and specify right or left side or double.



OVER 1,000,000
GRATEFUL USERS

Blessed Relief Day and Night
—You can sleep in it—you
can work in it—you can bathe
in it.

PIPER BRACE CO., DEPT. ON-5
811 Wyandotte, Kansas City 5, Mo.

PIPER BRACE CO., DEPT. ON-55
811 Wyandotte, Kansas City 5, Mo.

Please send my RUPTURE-EASER by return mail.

Right Side \$3.95 Measure around lowest
Left Side \$3.95 part of my abdomen in
Double \$4.95 _____ INCHES

We Prepay Postage Except on C.O.D.'s
Enclosed is: Money Order

Check for \$ _____ Send C.O.D.

Name _____

Address _____

City and State _____

MOTOR VEHICLE LAWS—1954

Courtesy: American Automobile Association

State	Op. Rd. Speed Max. (R—reasonable)	Date new license plates can be used	Driving license* Mini-mum age	Gasoline tax	Percent sales tax	Period of stay ¹	Safety responsibility law	Certificate of title required
Alabama.....	R	Oct. 1	16	\$.06	1	Reciprocal	A	no
Arizona.....	R	Dec. 1	18	.05	2	³	A	yes
Arkansas.....	60	Jan. 1	16	.065	2	30 days	A	yes
California.....	55	Jan. 1	16	.06	3	³	A	yes
Colorado.....	60	Jan. 1	16	.06	2	Reciprocal	A	yes
Connecticut.....	45	Feb. 15	16	.04	2	Reciprocal	A	yes
Delaware.....	55	3mos.bth.	16	.05	...	Reciprocal	A	yes
D. C.....	25	Mar. 1	16	.05	...	Reciprocal	D	yes
Florida.....	60	Jan. 1	16	.07	...	Reciprocal	A	yes
Georgia.....	55	Jan. 1	16	.06	3	30 days	A	no
Idaho.....	60	Dec. 1	16	.06	...	Reciprocal	A	yes
Illinois.....	60	On issue	16	.05	2	Reciprocal	A	yes
Indiana.....	R	Jan. 2	16	.05	...	60 days	A	yes
Iowa.....	R	Dec. 1	16	.04	2	Reciprocal	A	yes
Kansas.....	R	Jan. 1	16	.05	2	³	D	yes
Kentucky.....	60	Dec. 29	16	.07	...	Reciprocal	A	yes
Louisiana.....	60	Dec. 1	15	.07	2	Reciprocal	A	yes
Maine.....	45	Dec. 25	15	.06	2	Reciprocal	A	no
Maryland.....	50	Mar. 1	16	.06	2	Reciprocal	A	yes
Massachusetts.....	40	Jan. 1	16	.05	...	Reciprocal	C	no
Michigan.....	R	Dec. 1	16	.06	3	90 days	A	yes
Minnesota.....	60	Nov. 1	15	.05	...	Reciprocal	A	yes
Mississippi.....	60	Nov. 1	17	.07	2	³	A	no
Missouri.....	R	On issue	16	.03	2	Reciprocal	A	yes
Montana.....	55	Jan. 1	15	.06	...	30 days	A	yes
Nebraska.....	60	Jan. 1	15½	.06	1	³	A	yes
Nevada.....	R	Dec. 1	16	.055	...	No limit	A	yes
New Hampshire.....	50	Mar. 1	16	.05	...	Reciprocal	A	no
New Jersey.....	50	Mar. 1	17	.03	...	Reciprocal	A	yes
New Mexico.....	60	Dec. 15	14	.06	2	90 days	B	yes
New York.....	50	Jan. 1	18	.04	...	Reciprocal	A	yes
North Carolina.....	55	Dec. 1	16	.07	3	Reciprocal	A	yes
North Dakota.....	50	On issue	16	.05	2	Reciprocal	A	yes
Ohio.....	50	Mar. 1	16	.05	3	Reciprocal	A	yes
Oklahoma.....	65	Dec. 11	16	.065	2	60 days	A	yes
Oregon.....	55	On issue	16	.06	...	Reciprocal	A	yes
Pennsylvania.....	50	Mar. 15	18	.05	1	Reciprocal	A	yes
Rhode Island.....	50	Mar. 1	16	.04	2	Reciprocal	A	no
South Carolina.....	55	Sept. 15	14	.07	3	90 days	A	no
South Dakota.....	50	Jan. 1	15	.05	2	60 days	D	yes
Tennessee.....	R	Mar. 1	16	.07	2	30 days	A	yes
Texas.....	60	Feb. 1	16	.04	2	Reciprocal	A	yes
Utah.....	60	Dec. 15	16	.05	2	Reciprocal	A	yes
Vermont.....	50	Mar. 1	18	.05	...	Reciprocal	A	no
Virginia.....	55	Mar. 15	15	.06	...	60 days	A	yes
Washington.....	50	Jan. 1	16	.065	3	Reciprocal	A	yes
West Virginia.....	55	June 20	16	.05	...	90 days	A	yes
Wisconsin.....	65	On issue	16	.04	...	Reciprocal	A	yes
Wyoming.....	60	Dec. 1	15	.05	2	90 days	A	yes

¹Applies to nonresidents. The term "reciprocal" means that the state will extend to a nonresident the identical privileges granted by his home state to nonresident motorists. In some states visitors must register within a specified time. In most states persons who intend to reside permanently must buy new plates and secure new driving license at once, or within a limited period. Acquisition of employment or placing children in public school is often considered intention to reside permanently.

²None on used cars.

³Until expiration of home registration.

⁴Three months before current registration expires.

⁵Use tax on new cars, first registration of used cars.

⁶Bill of sale must be filed.

⁷Permit showing compliance with state compulsory liability insurance law must be obtained after 30 days.

ss\$15 maximum.

A. Modern "security" type

B. "Future proof" type.

C. Compulsory.

D. Old "S-R" type.

It's much easier to
**KEEP 'EM GOING
 DOWN ON THE FARM**



AMOCO-GAS



leaves no harmful metallic deposit

PERMALUBE motor oil



cleans as it lubricates

**PERMALUBE
 all-purpose grease 158**



one lubricant for all purposes

AMERICAN OIL COMPANY

from Maine to Florida

WORD CHARADES AND RIDDLES

(Answers on page 109)

1

In a little old schoolhouse that
stood on a hill
A little old schoolmaster taught
with a will.
But over his pupils he had no
control,
They said he was crusty, and
cross, and my whole;
And the rascals declared it would
serve him just right
To play him a practical joke
some fine night.
So down to the river they went
and they took
My first from my last of the
dark, muddy brook.
Then they eagerly hurried, yet
still as a mouse.
Till they came to the little old
schoolmaster's house.
They smuggled my first in my
last with great glee,
And ehuekled to think how irate
he would be.

Carolyn Wells

2

My first

On me the merry little fays
Dance and sing their roundelays
When the moon is shining.

My second

In me the thrifty farmers
heard—
Stores of golden grain is poured,
Free for my refining.

My whole

Where the robins build their
nest,
Where the cricket chlrups,
Where the horseman ldlly rests
Turning in the stirrups,
Where the milkmaid swings her
pail
Where the cheery little quail
All the season whistles,
Where the white and golden
daisies
Share the best of all our praises
With the purple thistles,
There the jolly lads and lasses
Chase me through the waving
grasses,
In their headlong haste to catch
me,
Down they thrust their hands to
snatch me
Through their fingers slipping,
While they grope about to find
me,
I have left them far behind me—
Flying, leaping, skipping.

Briggs

3

I'm always alone, though in all
sorts of weather
My brother and I go walking
to-gether,
Shod or unshod by fortune or
whim,
And roam o'er the land, yet in
water I swim.
Without me some men's under-
standing were naught,
Yet I cannot be said to assist
them in thought.
I'm at home with all classes of
people, I ween,
Supporting the beggar, uphold-
ing the queen.
In some foreign countries men
eruelly beat me
To punish my owner. In some
lands they eat me.
I'm trodden on daily, in markets
I'm sold
Though none would exchange me
for silver or gold.

4

My whole sits on the kitchen
With pan upon my first.
Oh, her hoe cakes are bewitching.
You must taste them, yes you
must.
While you eat these tempting
pancakes
Hours as minutes will be reck-
oned,
You can quench your hunger
never,
For with eating 'twill my second.

Katherine I. Sandford

5

Many a time when swimming I
am east upon the ground.
Alas, I cannot get away when
to a hook I'm bound.
I speak a various language, un-
heard by mortal ear;
And whenever danger threatens,
in a trice I disappear;
Don't irritate me, gentle friends,
for you'll find beyond a
doubt,
My beauty and my usefulness are
gone when I'm put out.

6

My whole is short and quickly
done,
It costs and should be pondered
on.
One syllable and yet 'tis fair.
To find a first and second there.
My first to short attention calls
When on the ear a light sound
falls,
The last is long, deceptive, too.
Attained by but a favored few.

Susan C. Hosmer

PRINCIPAL HOLIDAYS, ETC. IN 1955

America has no nationwide holidays. Each state determines its own. In the table that follows (*) indicates those quite generally observed by all states; (**) indicates those for only certain states; and (***) indicates days usually observed in some localities though probably not observed as holidays. Only continental United States is covered here. These dates are also all indicated on right hand calendar pages (13-35) in abbreviated form.

Jan. 1 (*) New Year's Day	May 10 (**) Memorial Day (N. C. & S. C.)
Jan. 8 (**) Battle of New Orleans	May 20 (**) Mecklenburg Day (N. C.)
Jan. 19 (**) Robert E. Lee's Birthday (South)	May 21 (**) Armed Forces Day
Jan. 26 (**) MacArthur Day (Ark.)	May 30 (*) Decoration or Memorial Day
Jan. 30 (**) F. D. R's Day (Ky. W. Va.)	June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., Ky., La., Miss., S. C., Tenn., Tex. & Va.)
Feb. 12 (*) Abraham Lincoln's Birthday. (13 States)	June 14 (**) Flag Day (Mo. & Pa.)
Feb. 14 (**) Admission Day (Arizona)	June 15 (**) Pioneer Day (Idaho)
Feb. 14 (***) Valentine's Day	June 17 (**) Bunker Hill Day (Suffolk County, Mass.)
Feb. 15 (***) Susan B. Anthony Day	June 19 (***) Father's Day
Feb. 22 (*) George Washington's Birthday	June 20 (**) West Virginia Day
Feb. 22 (**) Mardi Gras (Ala., Fla., La.)	July 4 (*) Independence Day
Mar. 1 (**) State Day (Nebraska)	July 13 (**) Forrest's Day (Tenn.)
Mar. 2 (**) Texas Independence Day	July 24 (**) Pioneer Day (Utah)
Mar. 7 (**) Burbank Day (Cal.)	Aug. 1 (**) Colorado Day
Mar. 15 (**) Jackson Day (Tennessee)	Aug. 14 (**) Victory Day (Ark., R. I.)
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)	Aug. 16 (**) Bennington, Vt. Battle Day
Mar. 25 (**) Maryland Day	Aug. 30 (**) Huey Long Day (La.)
Apr. 1 (**) State Election (Michigan)	Sept. 5 (*) Labor Day
Apr. 8 (**) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.)	Sept. 9 (**) Admission Day (Cal.)
Apr. 11 (**) Easter Monday (N. C.)	Sept. 12 (**) Defender's Day (Md.)
Apr. 12 (**) Halifax Day (N. Car.)	Sept. 12 (**) Election Day (Me.)
Apr. 13 (**) Jefferson Day (Ala., Mo., Neb., Okla., Va.)	Sept. 16 (**) Cherokee Day (Okla.)
Apr. 14 (***) Pan American Day	Sept. 17 (***) Citizenship Day
Apr. 19 (**) Patriots' Day (Me., Mass.)	Sept. 23 (***) Am. Indian Day
Apr. 21 (**) San Jacinto Day (Texas)	Oct. 3 (**) Missouri Day
Apr. 22 (**) Okla. Day	Oct. 10 (**) Okla. Hist. Day
Apr. 25 (**) Fast Day (N. H.)	Oct. 11 (**) Pulaski Day (Neb.)
Apr. 26 (**) Memorial Day (Ala., Fla., Ga., Miss.)	Oct. 12 (*) Columbus Day
Apr. 29 (***) Arbor Day	Oct. 24 (***) United Nations Day
May 4 (**) R. I. Independence Day	Oct. 31 (**) Nevada Day
May 8 (***) Mother's Day	Nov. 1 (**) All Saints' Day (La.)
	Nov. 4 (**) Will Rogers Day (Okla.)
	Nov. 8 (*) Election Day
	Nov. 11 (*) Armistice Day
	Nov. 23 (**) Reputation Day (Md.)
	Nov. 24 (*) Thanksgiving Day
	Dec. 7 (**) Delaware Day
	Dec. 21 (***) Forefather's Day
	Dec. 25 (*) Christmas Day

OLD-FASHIONED PUZZLES

(Answers on page 109)

Anagrams

1. What is that word for weeks we send
Within a letter to a friend?
Go ahead, it says to each;
And though it blusters in its speech
And likes to drive us one and all,
'Twill never bring us to a fall.
But if you should the word transpose,
A wondrous change it will disclose.
What once had power to do despite,
Will fill you now with keen delight.
Though large, or small, or strong, or frail,
Its sweet enchantment will prevail.
2. Fruit of the fields, luscious and sweet,
By some esteemed a special treat.
Transposed they still are good to eat,
And still are fruit, but far from sweet.
Transposed they're not so cheering,
But quite the opposite appearing.

Conundrums

1. What machine is used in weaving fancies?
2. What animals most resembles a candle?
3. What prize is unexpected and often unwelcome?
4. What bird should be the most timorous?
5. What kind of shoes should an ice boat have?
6. If someone loans you water pitchers, why is it right to call them your own?
7. Who is everyone's visitor but no one's guest: and everywhere welcomed but never invited in?
8. What drum is best when it can never be beaten?
9. What is always a hazardous ship to embark in?
10. What musical instrument invites one to fish?

Problems

1. Thirteen children dance in a ring holding hands. How many rings may they form without a child ever taking another child by the hand twice?
2. A farmer has a square field containing ten acres, and his neighbor has a rectangular field

half as wide containing nine acres. How many more rods of fence would it take to fence in the nine-acre field than the ten-acre one?

3. A twenty foot ladder, the bottom of which rests fifteen feet out from the wall of a building, just reaches the eaves which project three feet out from the wall. If the bottom of the ladder is moved one foot further out, how far away from where it was at first will the top of the ladder then rest?

4. A ball falling from a height of 12 feet bounds 6 feet by its elasticity, and again falling bounds 3 feet, and so on, bounding each time half as high as it falls. How far will the ball fall before coming to a state of rest, and what will be the distance of all the successive bounds?

5. If a garrison of a thousand men has food for thirty days, on what day will the food be exhausted if the garrison is increased 20 per cent at the end of each week?

6. A submarine on the surface of the water discharges a torpedo at an enemy vessel 330 feet long which was sailing away at a right angle when the stern of the vessel was a quarter of a mile distant. If the torpedo travelled twice as fast as the vessel and hit the latter amidships, how far had the vessel travelled from the time when the torpedo was discharged until the vessel was hit?

7. As I was beating on the meadow grounds,
Up starts a hare before my two greyhounds:
The dogs, being light of foot,
Did fairly run
To her fifteen rods, exactly twenty-one;
And that distance that she started up before
Was six and ninety rods,
Just and no more.
Now I would have you clever folks declare,
How far they ran before they caught the hare?

8. Ten fish I caught without an eye,
And nine without a tail:
Six had no head, and half of eight
They weighed upon the scale.
Now who can tell me as I ask it,
How many fish were in my basket?

THE

JOYS
AND

SORROWS



OF
SOME



OF
GRANDPA'S
FAMOUS

OLD FASHIONED WINTERS

With Old Fashioned type winters coming up for probably this and the next two or three years, it may be interesting to look back at some of the old ones of years ago — such as those of 1716-17, 1740-41, 1747-48, 1786-87, 1798-99, 1815-16, 1835-36, 1839-40, 1849-50, 1850-51, 1856-57, 1872-73, 1875-76, 1879-80, 1887-88, 1903-04, 1919-20, 1933-34, 1948-49. Some of these are illustrated herewith.



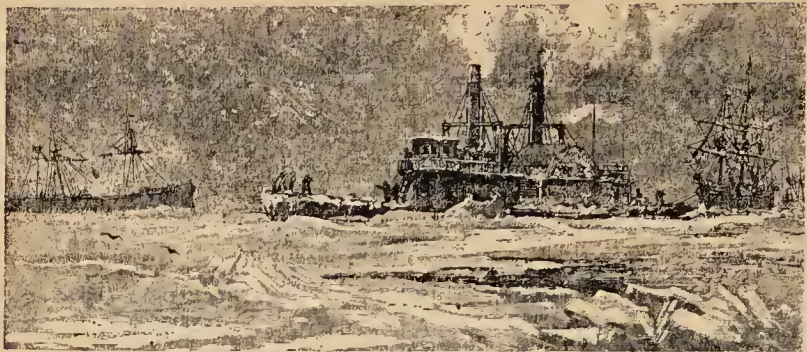
RABBIT HUNTING ON SNOWSHOES CAN BE FUN IN DECEMBER
BUT IN MARCH'S MELTING SNOWS — MISERY.



FORTY BELOW AND HE
FORGOT THE MATCHES.



AVALANCHE FOR SUPPER.



DELAWARE RIVER, 1875, TOWING A SHIP THROUGH ICE.



STATEN ISLAND SOUND, 1875, OPPOSITE ELIZABETHTOWN.



BOSTONIANS HAUL A FERRY THROUGH ICEBOUND HARBOR, 1857.



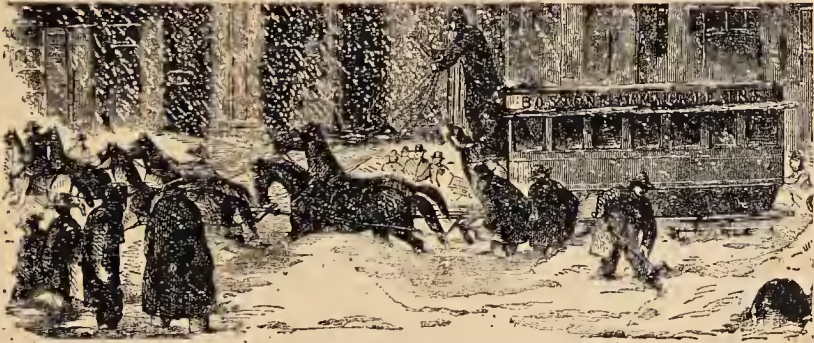
ICE BRIDGE OVER MISSISSIPPI RIVER AT ST LOUIS, 1873.



STALLED PASSENGERS TAKE TO SLEIGHS.



CENTER STREET, NEAR THE TOMBS, NEW YORK, 1857.



WINTER STREET, BOSTON, 1857.



DOUBLE RUNNER . . . DE LUXE.

DIGEST OF LATEST AVAILABLE FISH AND GAME LAWS

Courtesy: State Commissioners

Open seasons include both dates, "Rabbit" includes "hare"; "quail" includes "partridge" in South; "grouse" includes Canada grouse, sharp-tailed, ruffed (known as partridge in North and pheasant in South) and other members of family except prairie chickens, ptarmigan and sage hen. As many states do not complete laws for 1954-55 until after our press date, VERIFY in every case for changes even though the changes from year to year are not as a rule sensational. Limits are daily except those in italics which are seasonal.

JUNE 15, 1954 (EXCEPT AS NOTED)

♂ males only. † local exceptions. ‡ non-resident exceptions. # Pounds.

State and Species	Seasons	Limits	State and Species	Seasons	Limits
Alabama			Calif. (cont.)		
Deer	Nov. 20-Jan. 1 † ♂	3	Striped Bass	No closed season	2
Rabbit	Oct. 16-Feb. 20	6	Catfish, shad	No closed season	15
Squirrel	{N-Oct. 15-Jan. 15 {S-Nov. 1-Jan. 1	6	Colorado, June '53		
Muskrat (fur), Otter	Nov. 20-Jan. 31	8	Deer		1
Quail	Nov. 22-Feb. 20	8	Elk ♂	{Oct. 15-31 †	1
Turkey	Special	6	Bear		1
Bass	No closed season	10	Antelope	Oct. 13-15-Nov. 7-9	1
White bass	No closed season	15	Quail	Not set	8
Bream	No closed season	30	Pheasant	Not set	3
Crappie, wh. pch.	No closed season	20	Rabbit	Oct. 15-Dec. 31	5
Jack Salmon	No closed season	10	Trout	May 23-Oct. 21	10
W-eye pike	No closed season	15	White Fish	May 23-Oct. 21	6
			All other fish	(Open all year)	to 10
Alaska			Connecticut		
Bison	Oct. 1-15	1	Deer	Dec. 1-Jan. 31	2
Deer	{E. Aug. 20-Nov. 22 ♂ {W. Aug. 20-Nov. 15 ♂	1 ‡	Rabbit	Nov. 1-Dec. 31	30
	{E. Sep. 15-30 ♂ {W. Sep. 1-20, Dec. 1-20	1	Squirrel	Oct. 17-Nov. 28	30
Moose			Quail	Oct. 17-31	3
Bear, br. & grz.	Sept. 1-June 30 †	2	Pheasant ♂	Oct. 17-Nov. 28	15
Bear, black	{E. Sept. 1-Jan. 20 {W. No closed season	3	Grouse	Oct. 17-Nov. 28	16
Caribou	Special Zones	2	Raccoon	Oct. 17-Dec. 31	20
Mountain goat	{E. Aug. 20-Nov. 22 {W. Sep. 1-Oct. 31	1 †	Trout	Apr. 16-July 15	10
Mountain sheep	Aug. 20-31 †	1 †	Lake trout	Apr. 16-Oct. 31	3
Rabbit	Sept. 1-Mar. 31 †	10	Pickering	Apr. 16-Feb. 9	6
Grouse & Ptar'g'n	Aug. 20-Jan. 31	10	Wall-eye	Apr. 16-Feb. 9	6
Trout & grayling	Aug. 20-Apr. 15 †	15 †	Bass, black	July 1-Oct. 31	10
			Bass, striped	Apr. 16-Feb. 9	10
			Perch	Apr. 16-Feb. 9	15
			Salmon, sockeye	Apr. 16-Aug. 31	5
			Shad	Apr. 16-July 15	
			Alewives	Apr. 1-Jun. 15	
Arizona, June '53			Delaware		
Elk	Nov. 14-29	1	Rabbit	Nov. 15-Dec. 31	6
Deer	Oct. 23-28 †	1	Squirrel	Sept. 15-Nov. 1	6
Rabbit	No closed season	6	Quail	Nov. 15-Dec. 31	12
Javelina	Feb. 14-28	1	Raccoon	Nov. 1-Jan. 31	
Antelope	Sept. 26-29-Oct. 3-6		Opossum	Nov. 15-Dec. 31 ♂	6
Buffalo	Nov. 10 †		Bass	June 25-Feb. 1	6
Turkey	Oct. 9	1	Pike, pkl., w. eyed pike	No closed season	6
Quail	Nov. 28	10	Trout	Apr. 16-Aug. 15	4
Trout	May 5-Sept. 30		Shad	Mar. 1-Jun. 10	
Horned Toads	Closed		Florida, June '53		
Arkansas			Deer, male	Nov. 20-Jan. 6 † ♂	2
Deer	{Nov. 14-19 ♂ {Dec. 12-17 ♂	1	Squirrel	Nov. 20-Feb. 1 †	10
Rabbit	Sept. 15-Jan. 31	8	Quail	Nov. 20-Feb. 1 †	10
Squirrel	Oct. 1-Dec. 31	8	Turkey	Nov. 20-Feb. 1 †	8
Quail	Dec. 1-Jan. 31	8	Bass, black	No closed season	8
Turkey	Apr. 1-5	1	Bream, perch	No closed season	25
Bass, black	Mar. 16-May 15	8	Tarpon	No closed season	
Trout	May 16-Oct. 31	6			
Pike, Jack salmon	No closed season	6	Georgia		
Bream, perch	No closed season	20	Alligators	No open season †	
Lake Bass	No closed season	15	Deer	Nov. 5-20 ♂ †	1
			Bear	Nov. 1-Jan. 10 †	
California			Squirrel	Sept. 1-Dec. 5 †	10
Deer	{CS.-Aug. 7-Sept. 12 {I.-Sept. 25-Oct. 24	2	Quail	Nov. 20-Feb. 25	12
Bear	{C.-Aug. 7-Dec. 31 {S.-Sept. 25-Jan. 15	2	Grouse	Nov. 20-Jan. 5	3
Rabbit, Ctn. T.	S.-Sept. 1-Dec. 31	2	Turkey	Nov. 20-Feb. 25 †	2
Rabbit, Jack	N.-Oct. 30-Dec. 31	8	Rabbit	Oct. 1-Feb. 28	5
Quail	N.-Oct. 30-Dec. 31 †	8	Raccoon		
Pheasant	Nov. 20-29 ♂	2	Opossum	Oct. 1-Feb. 15	
Partridge	Nov. 20-23 †	4	Bass, striped	No closed season †	10
Trout (exo. gldn.) (Sp. wnter seas.)	May 1-Oct. 31 †	15	Bass, black	No closed season †	10
Salmon	May 1-Oct. 31 †	15	Bass, rock	No closed season †	10
Bass, black	No closed season	5	Bass, Ky. or r.- eye	No closed season †	10
Sunfish, Perch	No closed season	25	Bream, perch	No closed season †	35
			Crappie	No closed season †	15

Georgia (cont.)			Kentucky, (con.)		
Pickereel	No closed season†	15	Quail	Nov. 20-Jan. 10	
Wall-eyed pike	No closed season†	3	Ruffed Grouse	Nov. 20-Dec. 15	10
Muskellunge	No closed season†	2	Bass, black	No closed season	2
Trout	Apr. 1-Nov. 15†	10	Trout	No closed season	10
Shad	No closed season†	8	W.-eyed pike, sand pike or sauger	No closed season	15
Idaho			Striped bass	No closed season	10
Moose	By permit	1	Crappie	No closed season	15
Deer, elk	Local seasons	1	Rock bass	No closed season	15
Mt. goats, sheep	By permit		Muskellunge	No closed season	15
Quail	Not set				
Pheasant	Not set		Louisiana,		
Rabbit (Ctnt)	Not set	4	June, 1953		
Hun. partridge	Not set		Deer	Nov. 15-Jan. 10 †	1
Sage hen	Not set		Bear	Closed	1
Grouse, other	Not set	2	Rabbit	Oct. 15-Feb. 15	5
Pheasant	Not set	2	Squirrel	Oct. 5-Dec. 21	8
Rabbit	Not set	4	Quail	Dec. 1-Feb. 10	10
Trout	County seasons	10	Turkey	Closed	1
Sturgeon	County seasons	10	Bass, black, yel., white	No closed season	15
Bass	County seasons	1	Crappie	No closed season	25
Crappie, Sun- fish	County seasons	25	Sunfish	No closed season	50
Perch	County seasons	50	Maine		
Salmon (steelbd.)	County seasons	2	Deer	Oct. 21-Nov. 30†	1
Bullfrogs	County seasons		Bear	No closed season	
			Rabbit	Oct. 1-Feb. 28†	4
Illinois			Squirrel	Oct. 1-Oct. 31	4
Rabbit	Nov. 11-Jan. 15	5	Pheasant	Oct. 1-Nov. 15	2
Squirrel	Aug. 1-Oct. 15†	5	Grouse	Oct. 1-Nov. 15	4
Quail	Nov. 11-Dec. 11	10	Salmon, togue(a)	Ice out-Sept. 30	25
Pheasant	Nov. 11-Nov. 25†	2	Salmon, togue(b)	Ice out-Sept. 15	25
Grouse, Ptdge.	Closed		Salmon, togue(c)	Ice out-Aug. 15	25
Bass, black	No closed season	10	Trout (a)	Ice out-Sept. 30	25
Trout	Apr. 1-Sept. 30	8	Trout (b)	Ice out-Sept. 15 †	25
Perch	No closed season		Trout (c)	Ice out-Aug. 15	25
Pickereel	May 1-Nov. 30	8	Wh. perch(a)	Ice out-Sept. 30	25
Wall-eyed pike	May 1-Feb. 15	8	Wb. perch(b)	Ice out-Sept. 15	25
Bass, S.M.-L.M.	May 15-Mar.31†	10	Wh. perch(c)	Ice out-Aug. 15	25
Lake tr., white- fish	No closed season	2	Black bass(a)	June 21-Sept. 30	10
			Black bass(b)	June 21-Sept. 15	25
			Black bass(c)	June 21-Aug. 15	25
			Black bass (fly)	June 1-20	3
			Pickereel	No closed season	10†
Indiana			a-Lakes & ponds		
Deer	Not set		b-Riv. abv.		
Raccoon, Op.	Nov. 15-Jan. 15	2	tdwtr.		
Rabbit	Nov. 10-Jan. 10	5	c-Brooks, streams		
Squirrel	Aug. 21-Oct. 20	5			
Quail	Nov. 10-Dec. 20	10	Maryland		
Pheasant	Dates not set		Deer	Dec. 3-8 ♂†	1
Hun. partridge	Nov. 10-Dec. 20	5	Squirrel	Oct. 10-31	6
Bluegill, rd.- eared sunf., crappie	No closed season	ag-	Quail	Nov. 15-Dec. 31†	6
Rock bass	No closed season	ag-	Grouse	Nov. 15-Dec. 31†	2
Bass, silv. or yel., bl., Ky., wh. or str.	June 16-Apr. 30	6	Pheasant	Nov. 15-Dec. 31† ♂	2
		ag-	Turkey	Nov. 15-Nov. 30†	1
		6	Trout	Apr. 15-Sept. 15	5
		6	Bass-non-tdl.	July 1-Nov. 30	10
Pike-perch	June 16-Apr. 30	6	Str. (rck.) bass, non-tdl. wtrs.	June 1-Nov. 30	10
Pike or pickerel	June 16-Apr. 30	6	Wall-eyed pike	Apr. 1-Nov. 15	10
Yellow perch	No closed season		Pike, pickerel	June 1-Nov. 30	10
Trout	May 1-Aug. 31	15	Perch	No closed season	15
Chan. catfish	No closed season		Catfish	Feb. 15-Nov. 30†	10
			Herring	Mar. 15-Jun. 20	10
			Shad	Mar. 15-Jun. 20	10
Iowa					
Rabbit	Not set	10	Massachusetts		
Squirrel	Not set	6	Bear, Black	Oct. 20-Dec. 31	1
Pheasant	Not set	2	Deer	Dec. 6-11	1
Quail	Not set	8	Hare	Oct. 20-Feb. 5	2
Hungarian partridge	Date not set		Opossum	Oct. 1-Jan. 1	
Trout	May 1-Nov. 30	8	Rabbit, (Ctnt)	Oct. 20-Feb. 5	5
Northern pike	May 15-Feb. 15	5	Raccoon	Oct. 1-Dec. 31	3
Bass	May 30-Feb. 15	5	Squirrel	Oct. 20-Nov. 20	5
Pike, sand or saug., w.-eyed	May 15-Feb. 15	8	Quail	Oct. 20-Nov. 20†	4
Bullheads	No closed season	25	Grouse	Oct. 20-Nov. 20	2
Yell. pch. and bass, yellow str., silver	May 15-Feb. 15	15	Pheasant	Oct. 20-Nov. 20 ♂	2
Crap., cal. bass	No closed season	15	Bass	July 1-Feb. 28	5
Catfish	Apr. 15-Nov. 30†	8	Pike	Apr. 16-Feb. 28	5
			Muskellunge	Apr. 16-Feb. 28	5
			Piekerel	Apr. 16-Feb. 28	10
			White perch	Apr. 16-Feb. 28	5
			Salmon	Apr. 16-Oct. 15	2
			Trout	Apr. 16-Oct. 15	6
			Lake Trout	Apr. 16-Oct. 15	2
			Bluegls., cal. bass, crappie, hrnd. pout, sunfish, yel. peh.		
Kansas				Apr. 16-Feb. 28	
Squirrel	June 15-Nov. 30	8			
Quail	Not set				
Pheasant	Not set				
Rabbit	Dec. 15-Oct. 15				
Kentucky					
Rabbit	Nov. 20-Jan. 10	8			
Squirrel	Aug. 20-Nov. 5	6			

Michigan			Nebraska, (con.)			
Bear	} Not set until August		Quail	Nov. 1-26	6	
Rabbit			Rabbit	Sept. 25-Jan. 31		
Deer				Apr. 1-Dec. 31	10	
Grouse, prairie chicken				{ Oct. 1-Dec. 31	5	
Pheasant				{ Oct. 24-Nov. 30	3	
Squirrel				Grouse	Oct. 10-15	3
Trout		Apr. 24-Sept. 12	5	Raccoon-Op'm	Aug. 2-Mar. 31	
Lake Trout		No closed season	2	By Dogs		
Black Bass		No closed season	5†	Trout	No closed season	7
No. pike, pk. pch.		Apr. 24-Mar. 15	5	Bass, black	No closed season†	10
Muskellunge		Apr. 24-Mar. 15		Crapple, sunf., rock bass	No closed season†	10
Crapple, whtf.		No closed season	25	Bullheads	No closed season†	15
White bass		No closed season	10	Catfish	No closed season†	10
Crapple, rk. bass, yel. pch. bluegills, sunfish		No closed season	25†	Perch	No closed season†	25
Whitefish		No closed season	7	Pike, w.-eye, saug. no'thn.	No closed season†	5
Sturgeon	No closed season	2	Muskkrat, Mink	1. Dec. 15-Mar. 15 2. Nov. 15-Jan. 15		
Minnesota			Nevada			
Deer (Bow and Arrow)	Not set	1	Antelope	Not set	1	
Deer	Not set	1	Deer	Not set	1	
Bear	Not set		Rabbit	Not set		
Squirrel	Not set	7	Quail	Dates not set		
Quail	Not set	10	Pheasant	Dates not set		
Pheasant	Not set	3	All game fish	Local seasons	15	
Rabbit	Not set	15	New Hampshire			
Raccoon	Not set		Deer	{ North—Nov. 1-30 { South—Dec. 1-21	1	
W.-eyed pike, saugers, gt. no. pike, pickerel	May 12-Feb. 15†	8	Bear	No closed season		
Muskellunge	May 16-Feb. 15†	2	Rabbit, hare	Oct. 1-Mar. 1	5	
Bass	June 20-Nov. 30†	6	Squirrel	Oct. 1-Nov. 1	5	
Trout	May 1-Sept. 5†	15	Quail	No open season		
Lake Trout	May 2-Sept. 25	5	Grouse	Oct. 1-Dec. 1	4	
Crapples, sunfish wh. & rk. bass†	Jan. 2-Feb. 15		Pheasant	Oct. 15-Nov. 16 o†	2	
Catfish	May 16-Feb. 15†	15	Trout, brook	May 1-Aug. 31	10	
Bullheads	May 16-Feb. 15†	10	Lake Trout	Jan. 1-Sept. 30†	2	
Whitefish	May 16-Feb. 15†	50	Lake Trout (fly)	September	2	
Buffalo	May 16-Feb. 15†		Salmon	Apr. 1-Aug. 31	2	
			Trout, golden	Apr. 1-Aug. 31	4	
			Bass	July 1-Oct. 31†	5	
			Pike-perch	May 28-Oct. 31†	10#	
			Pickrel	May 28-Jan. 31	10#	
			Mink, otter muskrat	Nov. 1-Feb. 1		
Mississippi			New Jersey			
Deer	Nov. 20-30†	1	Deer		1	
Bear	No open season		Archery			
Rabbit	Any open season	5	Rabbit, squirrel	} Not available	6	
Squirrel	Oct. 7-Dec. 31	5	Quail		10	
Quail	Dec. 10-Feb. 10†	8	Grouse	3		
Turkey	Apr. 1-10	1	Pheasant	Apr. 17-Sept. 30	30	
Bass	No closed season	15	Trout	Apr. 17-Sept. 30	8	
Crapple	No closed season	20	Salmon	May 20-Nov. 30	2	
Bream	No closed season	20	Pike, pick'l, pike-perch	Jan. 1-31	10	
Sunfish	No closed season	25	Bass, bl. Oswego	June 15-Nov. 30	5	
Missouri			Calico, rock bass	No closed season		
Deer	Not set (res. only)	1	crapple,	Bass, striped	10	
Rabbit	{ May 30-July 15 { Nov. 10-Feb. 28	10	Bass, wh., yel. pch., catf., sunf.	No closed season		
Squirrel	July 1-Oct. 30	6	New Mexico			
Quail	Not set		Deer	Nov. 7-18		
Walloye	May 30-Nov. 30	4	Elk	Nov. 21-29 o		
Bass, L.S. Sp.	May 30-Nov. 30	6	Bear	{ Oct. 1-Nov. 3 { Nov. 19-30		
Trout	May 30-Nov. 30		Antelope	Shooting by permit† o		
Bass, Wh.	Mar. 1-Oct. 31	6	Turkey	Nov. 7-Nov. 18†		
Goggle Eye	Mar. 15-Nov. 30	9	Squirrel	Nov. 7-Nov. 18		
Warmouth	Mar. 15-Nov. 30	9	Trout	{ N. May 25-Oct. 31 { S. May 1-Oct. 31		
Crappie	Mar. 15-Nov. 30	9	Bass, pike pch. Chan. catf.			
Catfish, Ch.	Mar. 15-Nov. 30	6	Crapple	Apr. 1-Mar. 31		
Montana			Sunf., ring pch. and bream	No closed season		
Antelope	Sept. 5-Nov. 16†	1	Bullhd., yel. and mud catfish			
Deer	By permit		New York			
Bear	Oct. 15-Nov. 15† o	1	Deer	Not set	1	
Elk	Apr. 15-Nov. 15†	1†	Bear	Not set	1	
Moose	Sept. 15-Feb. 28†		Rabbit	Not set	6†	
Goat	Sept. 15-Dec. 15†	1	Squirrel	Not set	5	
Grouse	By permit		Quail	Not set	4†	
Quall, turkey	Local seasons	1†	Grouse	Not set	2	
Sage hen	Dates not set		Pheasant o	Not set	1	
Hun. partridge						
Pheasant						
All game fish	May 16-Nov. 15	15				
Nebraska						
Sept. 30, 1953						
Antelope	Sept. 14-18	1				
Deer	Dec. 1-11†	1				

N. Y. (cont.)			Oregon (cont.)		
Raccoon	Not set		Salmon, Steelh'd	No closed season	2
Black bass	July 1-Nov. 30†	6	less than 20"		
Striped bass	No closed season		Bass, black;		
Muskellunge	July 1-Dec. 1†	†	Perch, crappie,	No closed season	
Salmon, Idlekd.	Apr. 1-Sept. 10	2	catf., sunf.,		
Salmon, chinook	Apr. 1-Sept. 10	3	bream, pike		
Pike-perch	May 1-Mar. 1†	10†	Str. bass,	No closed season	15
Pickeral	May 1-Mar. 1†	10†	Shad	No closed season	
Gt. no'n. pike	May 1-Mar. 1†	10†			
Trout, brk., br., r'bow	Apr. 10-Sept. 12	10†	Pennsylvania		
Lake trout	Apr. 1-Sept. 10	3†	Deer, female		
Bullheads	No closed season†	†	Deer, 2 pt. ant.		
Whitefish	Apr. 1-Sept. 10†	†	Deer, no ant.		
Perch, white	No closed season	25†	Bear		
Perch, yellow	No closed season†		Rabbit, Cttl.		
Long Island			Raccoon	Not set	
Squirrel	Nov. 1-Dec. 31	5	Squirrel	until	
Grouse	Not set	2	Quail, Bbwh't.	Aug. 1	
Pheasant	Nov. 1-Dec. 31	4	Grouse, Rfd.		
Quail	Nov. 1-Dec. 31	4	Pheas'nt, rgnk, m.		
Deer	N-Oct. 25-Nov. 30	1	Turkey		
	S-Nov. 15-30	1	Partridge, Hun.		
			Hare, snshoe	No closed season	6
North Carolina			Trout	Apr. 15-Jul. 31	8
Deer	Oct. 15-Jan. 1†	1	Trout, lk. orsal.	Apr. 15-Nov. 30	8
Bear	Oct. 15-Jan. 1	2	Bass	Jul. 1-Nov. 30	6
Rabbit	Nov. 25-Jan. 30	5	Pike-perch	Jul. 1-Nov. 30	6
Pheasant	Nov. 2-Jan. 30	8	Pickeral	Jul. 1-Nov. 30	6
Squirrel	Oct. 15-Jan. 1	8	Muskellunge,	Jul. 1-Nov. 30	2
Quail		8	Pike, Gt. No.	Jul. 1-Nov. 30	4
Grouse		2	Frogs	Jul. 2-Oct. 31	15
Turkey	Nov. 25-Jan. 30	1	Terrapin	Nov. 2-Mar. 14	5
Wild boar	Oct. 15-Jan. 1	1			
Raccoon	Oct. 15-Feb. 15		Rhode Island		
Trout	Apr. 5-Aug. 31	10	Rabbit	Nov. 1-Dec. 31†	5
Bass, black	No closed season	8	Hare	Nov. 1-Dec. 31	2
Pike, walleyed	No closed season	5	Squirrel	Nov. 1-Dec. 31	5
Bass, striped	No closed season	8	Quail	Nov. 1-Dec. 31†	6
			Grouse	Nov. 1-Dec. 31†	2
North Dakota			Pheasant	Nov. 1-Dec. 31 ♂	3
Deer	Not set	1	Bass	June 20-Feb. 20†	6
Sharptail	Not set	3	Pickeral	June 20-Feb. 20†	10
Pin'd grouse			Trout	Apr. 16-Oct. 15	10
Sage & ruffed	Dates not set		Striped bass	No closed season	
grouse; part'ge			Perch, white	Apr. 15-Feb. 20	20
Pheasant	Not set	4	Perch, yellow	Apr. 15-Feb. 20	30
Bass	June 16-Oct. 31	5	All fresh water	er fishing closed	
Wall-eyed pike,			Feb. 21-	Apr. 16, incl.	
northern pike	May 16-Oct. 31	5			
Sunfish	May 16-Feb. 28	15	South Carolina		
Perch	May 16-Feb. 28		Deer	Aug. 15-Jan. 1†	1
Crappie	June 16-Feb. 28		Rabbit	Sept. 1-Mar. 1†	
			Squirrel	Sept. 1-Mar. 1†	10
Ohio			Quail	Nov. 25-Mar. 1†	15
Deer	Not set		Raccoon,		
Rabbit	Not set		opossum	Sept.-Mar. 14	
Squirrel	Not set		Turkey	Nov. 24-Mar. 1†	5
Pheasant	Not set		Trout, speckled	Jan. 1-Oct. 1	20
Hun. partridge	Not set		Trout, rainbow	Jan. 1-Oct. 1	20
Grouse	Not set		Bass	No closed season†	8†
INLAND DIST.					
Muskellunge	No closed season†		South Dakota		
Wall-eyed pike	No closed season†		Deer	Not set	
Sauger	No closed season†		Grouse, prairie		
Trout	No closed season†		chicken		
Bass	No closed season†		Pheasant	Not set	
LAKE ERIE DIST.			Trout	May 1-Sept. 30	10
Muskellunge	No closed season†		Bass, w.-eyed		
Wall-eyed pike	No closed season†		pike, pickerel	May 1-Feb. 28†	6
Sauger	No closed season†		Bluegills	Mar. 1-Feb. 28†	15
Trout	No closed season†		Bullheads, pch.	May 1-Feb. 28†	50
Bass	No closed season†		Crapples, sunf.	May 1-Feb. 28†	15
Oklahoma			Tennessee		
Deer	Not set	1	Deer	Nov. 16-21 ♂†	1†
Squirrel	May 15-Jan. 1	6	Bear	Oct. 12-Dec. 2†	1
Quail	Inter. (Nov.-Jan.)	10	Rabbit	Nov. 26-Jan. 15	5
Pheasant	Not set		Squirrel	Sept. 1-Dec. 1	6
Bass	No closed season†	10	Quail	Nov. 26-Jan. 15	6
Chan. catfish	No closed season†	15	Grouse	Nov. 26-Jan. 25	3
Crappie	No closed season†	15	Wild boar	Oct. 12-Dec. 2	1†
Trout	No closed season		Turkey	Apr. 12-27†	1
			Trout	Mar. 1-Oct. 1	7
Oregon			Bass	No closed season	10
Deer	Not set	1	Raccoon	Nov. 15-Jan. 25	
Elk	Not set	1	Opossum	Nov. 15-Jan. 25	
Antelope	Not set	5	Red fox	Nov. 15-Jan. 25	
Squirrel	Not set	5	Rock bass	May 30-Mar. 31	10
Quail	Not set	2	White, str. bass	No closed season	30
Blue Sage Hen	Not set	2	Yellow bass or		
Grouse, other	Not set	5	jacks	No closed season	30
Pheasant	Not set	2	Warmouth bass	No closed season	30
Hun. partridge	Not set	10			
Trout,	May 1-Oct. 10				

Tenn. (Cont.)			Washington		
Bluegill bream	No closed season	30	Deer	Oct. 11†	1
Catfish	No closed season		Bear	Oct. 11†	
Buffalo	No closed season		Elk	Nov. 1-11 ♂	1
Texas			Mt. Goat	Sept 13-30†	1
Antelope	Closed		Rabbit	{W. Oct. 11-Mar. 31	5
Deer	Nov. 16-Dec. 31† ♂	2	Grouse	{E. Oct. 11-Feb. 28	
Bear	Nov. 16-Dec. 31	1		Sept. 19, 20, 26, 27	
Peccary	Nov. 16-Dec. 31†	2		Oct. 11-25	3
Squirrel	May 1-Dec. 31†	10	Quail	Oct. 11-Nov. 15	3
Chachalaca	Dec. 1-Jan. 16	5	Pheasant	Oct. 11-Nov. 15	3
Quail	Dec. 1-Jan. 16†	12	Hungarian partridge	Oct. 11-Nov. 15	5
Turkey	Nov. 16-Dec. 31† ♂	3	Whitefish	Dec. 6-Feb. 28†	15
Bass, bl., sp'ted	No closed season	15	Trout	County seasons	15
White bass	No closed season	25			
Trout	No closed season	5	West Virginia		
Crapple	No closed season	25	Deer	Nov. 29-Dec. 1	1
Catfish	No closed season	25	Rabbit	Nov. 11-Jan. 1	4
			Pheasant	Nov. 11-13 ♂	2
Utah			Raccoon	Nov. 1-Jan. 8	2
Antelope	Closed		Bear	Nov. 1-25	1
Deer	Oct. 23	1	Squirrel	Oct. 1-16, Nov. 16-27	4
Bobcat, coyote, fox, lions	No closed season		Quail	Nov. 11-Jan. 1	7
Elk (By permit)			Grouse	Oct. 1-16-Jan. 1-27†	4
Bison	By permit		Turkey	Oct. 1-16, Nov. 11-27	1
Grouse, sage hen, prairie chicken	By permit		Trout, rnbw., brown bk.	Apr. 24-Sept. 6	8
Pheasant	{Not set	3†	Bass	June 12- Mar. 12	8
Quail		10	Pickrel	No closed season	
Bass	June 12-Oct. 10†	12	Frogs, Bull	Jun. 12-19	10
Trout	June 12-Oct. 10†	12	& Green		
Salmon	June 12-Oct. 10†	12			
Vermont			Wisconsin		
Deer	Nov. 14-27 ♂†	1	Deer	Nov. 22-28	1
Squirrel	Oct. 1-Oct. 31	4	Raccoon	Oct. 4-Dec. 20	
Rabbit	Oct. 1-Feb. 28†	3	Rabbit	Oct. 4-Jan. 15	6
Quail	No open season		Squirrel	Oct. 8-Dec. 20	5
Grouse	Oct. 1-Oct. 31	4	Grouse	Oct. 4-Nov. 16	5
Pheasant	No open season		Pheasant	Oct. 18-Nov. 11	4
Bear	June 1-Dec. 31†		Hun. partridge	Closed	
Trout	May 1-Aug. 14†	12	Quail	Oct. 18-Nov. 11	5
Lake trout, salmon	May 1-Aug. 31†	2	Bass, black	June 20-Jan. 15	5
Bass	July 1-Nov. 30†	5	Trout	May 2-Sept. 7	10
Muskellunge	June 15-Apr. 14	25#	Lake trout	Apr. 1-Sept. 30†	5
Pike-perch	May 1-Mar. 14†	25#	Wall eyed pike, sauger	Apr. 1-Jan. 31	5†
Pickrel	May 1-Mar. 14†	25#	No. pike, pick'l	Apr. 1-Jan. 31	5†
Smelt	June 1-Mar. 31†		Muskellunge	May 25-Nov. 1	1
			Bass, other	No closed season	25
Virginia			Catfish	No closed season	5
Raccoon, Op.	Oct. 15-Jan. 31†	3	Sturgeon	No closed season	25
Mink	Dec. 15-Jan. 31†		Other panfish	No closed season	25†
Deer	Nov. 20-Jan. 5† ♂	1			
Bear	Nov. 16-Jan. 1†	1	Wyoming		
Fox	Oct. 1-Jan. 20†		Deer	Sept. 10-Oct. 31†	2
Rabbit	Nov. 20-Jan. 20†	6	Moose	Sept. 10-Oct. 31†	2
Squirrel	Nov. 20-Jan. 20†	6	Elk	Sept. 10-Oct. 31†	2
Quail	Nov. 20-Jan. 20†	8	Bear	Local seasons	1
Grouse	Nov. 20-Jan. 20†	30	Sheep	Sept. 10-Oct. 31†	2
Pheasant	Nov. 20-Jan. 20†	3	Antelope	Sept. 1-30†	2
Turkey	Nov. 20-Jan. 20†	4	Pheasant	Not set	
Bass	{W. June 20-Dec. 31.	1	Brook trout	May 1-Oct. 31	20
Trout	{E. June 1-Mar 15	8	Other trout	May 1-Oct. 31†	12
Pike	May 1-Sept. 15	8	Grayling	May 1-Oct. 31†	20
	{W. Same as bass	20	Bass	May 1-Oct. 31†	20
	No closed season		Whitefish	May 1-Oct. 31†	20

MIGRATORY BIRD LAWS

DO NOT HUNT ducks, geese, brant, coot, rails, gallinules, woodcock, or mourning dove until you have studied the laws on these birds issued in September, 1955, by the Fish and Wildlife Service, U. S. Dept. of Interior, Washington, 25, D. C. The 1950 laws forbade the taking of any jacksnipe, Ross geese, or swan, and in some places, wood ducks, brant, snow geese, mourning dove, woodcock, and Canada geese. There is no point in trying to list here the very complicated seasons on ducks, geese, etc. They are changed **RADICALLY** every year and as a rule shortened. Write your nearest Regional Directors of the Fish and Wildlife Service with headquarters as follows: *Region 1* (Western), Swan Island, Portland 18, Ore.; *Region 2* (Southwestern), 220 West Copper Avenue (P. O. Box 1306), Albuquerque, N. Mex.; *Region 3* (North Central), Buzza Building, 1006 West Lake St., Minneapolis 8, Minn.; *Region 4* (Southeastern), Peachtree-Seventh Building, Atlanta 5, Ga.; *Region 5* (Northeastern), 1105 Blake Building, Boston 11, Mass.; *Region 6*, Juneau, Alaska.

THE H BOMB AND THE WEATHER

With the conclusion of the 1954 series of tests at the A.E.C.'s Pacific Proving Grounds on May 18th last, a total of 56 different nuclear detonations had been announced; 48 American, 5 Russian, 3 British. Except for two, or possibly three of these, however, the size of explosion was so comparatively small in relation to weather forces that it is doubtful whether or not weather even at the site was materially affected.

Prior to our H Bomb explosion of March 1, 1954, the U.S. Weather Bureau announced (June 26, 1953) U.S. News & World Report) . . . "a mere rainstorm of moderate intensity releases energy at the rate of 3 atomic bombs per second." Don't go away now, however, for despite such an optimistic view, the same agency is also on record with "Nobody can rightly make the flat statement that there can be no relationship between the explosion of these atomic bombs and the atmosphere from which weather is derived."

Since the H Bomb explosion of March 1, 1954, no official statements from those in a position to know about these things has come to our attention with the exception of A.E.C. Chairman Strauss's "at no time was the H Bomb out of control" . . . and Dr. Holzer's opinion that the effect of nuclear explosions on the weather will take 10 to 20 years to determine.

The layman is thus left with the choice of accepting as truth the "pap" from officialdom in the order of that fed to small children by parents and teachers with regard to the facts of life—or by examination of what has "leaked" through the press, to determine, against physical and meteorological backgrounds, the situation for himself.

Two self styled laymen—with reputations as world renowned scientists—have expressed their views as follows—the first in 1946—the second in 1954.

"These nuclear detonations may bring us a year of drought, or rain, depending on how atom fragments react when they gather to form clouds in the stratosphere and are scattered by stratospheric winds."

"I am myself a layman in meteorology and applied atomic energy. If man will be damaged by such kind of activities—which I do not know—he deserves it."

Even without any "unreleased" or "classified" information in hand however a child of eighth grade intelligence can now determine how it is that our H Bomb detonation of March 1 had the necessary ingredient of size to become a major weather factor. The atomic explosion at Hiroshima (in 1945), is said to have contained something like a 2000 ton TNT equivalent. It was to atomic detonations of this order the USWB was referring in its minimization of weather effect. But press statements with regard to our H Bomb detonation mention between ten and twenty millions of tons of TNT equivalence. Thus it will be seen that if, as the USWB has stated, "1000 atomic bombs of the Hiroshima size per minute would match the kinetic energy of a moderate sized hurricane," then an explosion of the H Bomb size (ten million tons) every ten weeks might conceivably keep rain pouring, or cause drought, the world over the whole year round.

For example, if we use another measurement—that of area affected—it will be seen that our March 1 explosion is comparable to the Indian Archipelago earthquake of April 5, 1815, which extended over 1000 square miles, and completely obscured the sun for twelve long days.

Whether or not it was the stratospheric cloud from this quake which produced the now famous cold summer of 1816, no one can say—but we do know that smoke from forest fires in Western Canada in September, 1950, covered the United States, Canada, and Europe . . . with a consequent lowering of temperatures on Sept. 25 and 26 of five to ten degrees. We know that the eruption at Fogo Island on June 12, 1951, is said to have reduced radiation at Appalachieola, Florida, from 96 to 88% of normal and that the famous 1883 Krakatoa volcanic eruption, forming a pine tree, mushroom, umbrella shaped cloud some twenty miles high not only spread its ash all over the world but actually decreased radiation at Montpelier, France, by ten per cent for three years.

There are numerous, in addition to those quoted, scientifically observed examples of the weather pattern which might be expected from an explosion of H Bomb size. But even the radioactive dust "fall-out" from A Bomb explosions—recorded all over the United States—is sufficient cause for real alarm.

But to return to what we have politely called "pap" from officialdom, we cannot agree that our March 1 H Bomb was "at no time out of control." It must be perfectly obvious to anyone that just as soon as the dust from that bomb entered our stratosphere it was beyond all recall or direction. From there on out no one can conceivably argue that it did not become a major factor in present day weather making processes—what sort of factor, except possibly harmful and dangerous, nobody alive can say.

According to scientists McNown and Malaika only about twenty per cent of the moisture gathered aloft by sun and wind returns to the same locale. In brief, what rain we do get for the most part is not native. At times it may even be of the best Russian, Chinese, and now H Bomb, variety. Through an unexpected change in the wind after this last March 1 detonation, 28 U.S. personnel, 236 islanders, 23 fishermen on the Jap fishing boat Lucky Dragon, an uncounted number of fishermen on the Jap boats Bright God and Radiant Glory (some 780 miles from the blast), as well as one case some 2200 miles away, were exposed to the ill effects of this scattered radiant energy dust.

But even more disconcerting is perhaps the conjecture about this H Bomb dust in its relation to that little understood, frequent weather phenomenon—the tornado. Here we have something which, through the convolutions of warm air rising to meet cold air upstairs, concentrates with immeasurable force on a relatively small part of the earth's surface to cause terrifying damage. It is conceivable, without creating any cause for being considered alarmists, that within the area in which tornadoes form, may now be found also concentrations of H Bomb dust which—

together with all the other tornado ingredients—may make other tornado visitations seem like harmless picnics. It is in this area then of tornadoes, and hurricanes—as well as drought and added rainfall extremes—we find the scientists, under the head of a statement by L. L. Strauss, Chairman, A.E.C., and Charles E. Wilson, Secretary, Department of Defense, "have contributed materially to the security of the United States and the free world." The rest of the world is provided for similarly with, presumably, the Soviet H Bomb experiments.

To a tiny handful among us billions of world people—some of whom are at least sympathetic to taking over from God the very power of Creation—we have then delegated the free and untrammelled right—through experiments in the atmosphere they do not and never will understand—to endanger our very existence—from behind absolutely closed doors of secrecy.

It must be obvious to every God fearing, thoughtful man and woman, to the Congress, to our President, that unless and until the bans of secrecy with regard to everything except actual manufacture of and detonation gimmicks of the H Bomb and the forthcoming C Bomb are lifted, we Americans—and all free people of the free world—have lost something greater than national security. We have been deprived of our fundamental "consent to be governed." Even the guinea pig—which never knew what freedom really was—may be said to have it better.

CORRECTION AND RETRACTION

Some smart-alec writer, namely ourselves, on page 76, par. 3, of the 1954 OFA took occasion to libel, grossly, the hard-headed scientific staff of the Radio Corporation of America. It seems that the source from which we obtained the "Time" quote mentioned in that paragraph roots back from England to Austria, there to become lost in language complications. We should have been more careful in that regard and wish to take this occasion and space to submit not only a full and deep apology to RCA but also to give the facts, around which this story was written, as they should be.

The forecasting in which RCA is engaged has, apparently, only to do with Radio Disturbances caused by the relative positions of the Sun's nine planets. Research now covering a period of fifteen years reveals that when three or more planets (Mercury and Venus are the most important) reveal separation angles of 45 deg. and 60 deg. and multiples of these, Solar Radiation characteristics are affected. These in turn instantaneously affect the Earth's Ionosphere (70 to 150 miles up), which in turn affects the behavior of shortwave radio signals.

Most pained of all about our last year's unforgivable "boner" must be J. H. Nelson, able propagation analyst of RCA's engineering department who has brought along this successful (80 to 85 %) method of forecasting the strength or weakness of shortwave radio signals, in cooperation with the RCA New York Observatory, RCA Communications Station at Riverhead, Long Island, and Radio Suisse at Berne, Switzerland.

As Mr. Nelson points out in his writings on this subject, there is still much to be learned in this field of Radio Astronomy—one which has of course nothing whatsoever to do with Astrology. Other scientists such as Drs. Ewen and Purcell at Harvard, Dr. Van de Hulst of Holland, are also discovering knowledge about celestial radio waves from countless millions of invisible radio stars. Not only do they twinkle but they hiss. Man's horizon, ever expanding, will owe much to such pioneers as these in Radio Astronomy. That much if not all of their findings is being made available, without restrictions, to anyone who is interested, is cause for gratitude.

GESTATION AND REPRODUCTION TABLE

	Proper age for first mating	Period of power of reproduction in years	No. of females for one male	Period of gestation and incubation		
				Shortest days	Mean days	Longest days
Mare.....	3 yrs.	10 to 12		325	336	352
Stallion.....	4 "	12 to 15	20 to 30			
Cow.....	18-24 mos.	10 to 14		235	282	300
Bull.....	12-18 "	10 to 12	30 to 40			
Ewe.....	18 "	6		145	147	152
Ram.....	12-14 "	7	35 to 45			
Sow.....	9 "	6		110	114	120
Boar.....	9 "	6	8 to 12			
She Goat.....	18 "	6		147	151	155
He Goat.....	18 "	5	20 to 30			
Ass.....	3 yrs.	10 to 12		356	367	378
Jack.....	4 "	12 to 15	20 to 30			
She Buffalo.....	18-24 mos.	8		309	315	325
Bitch.....	16-18 "	8		58	63	67
Dog.....	12-16 "	8				
She Cat.....	12 mos.	6		58	60	64
He Cat.....	12 "	10	6 to 8			
Doe Rabbit.....	6 "	5 to 6		25	30	35
Buck Rabbit.....	6 "	5 to 6	30			
Cock.....	6 "	5 to 6	12 to 18			
Hen.....		5 to 6		19	21	24
Turkey.....				24	26	30
Duck.....				28	30	32
Goose.....				27	30	33
Pigeon.....				16	18	20
Pea Hen.....				25	28	30
Guinea Hen.....				20	23	25
Swan.....				40	42	45
Hen or Duck's Eggs.....				22	30	34

REPRODUCTIVE CYCLE IN FARM ANIMALS

Courtesy F. N. Andrews — Purdue University

	Reoccurs if not Bred (Days)	Estrual Cycle incl. Heat Period (Days)		In Heat for		Usual Time of Ovulation
		Ave.	Range	Ave.	Range	
Mare	16	21	10-37	5-6 days	1-37 days	24-48 hours before end of estrus
Sow	19	21	18-24	2-3 days	1-5 days	Usually second day of estrus
Ewe	15	16	14-20	30 hours	20-42 hours	1 hour before end of estrus
Goat	19	20	12-25	36-48 hours	20-80 hours	Near end of estrus
Cow	20	19-20	16-24	16-20 hours	8-30 hours	14 hours after end of estrus
Bitch	180	24		21-28 days		
Cat	120			3-12 days		

Tables of Measures

Apothecaries

1 scruple=20 grains
 1 dram=3 scruples
 1 ounce=8 drams
 1 pound=12 ounces

Avoirdupois

1 pound=16 ounces
 1 hundredweight=100 pounds
 1 ton=20 hundredweight=
 2000 pounds
 1 long ton=2240 pounds

Cubic Measure

1 cubic foot=1728 cubic inches
 1 cubic yard=27 cu. feet
 1 register ton (shipping measure)
 =100 cubic feet
 1 U. S. shipping ton=40 cu. ft.
 1 cord=128 cubic feet
 1 U. S. liquid gallon=4 quarts
 =231 cubic inches
 1 imperial gal.=1.20 U. S. gals.
 =0.16 cubic feet
 1 board foot=144 cubic inches

Dry Measure

2 pints=1 quart (qt.)
 4 quarts=1 gallon (gal.)
 2 gallons or } =1 peck
 8 quarts }
 4 pecks=1 struck bushel

Household Measures

120 drops water=1 teaspoon
 60 drops thick fluid=1 teaspoon
 2 teaspoons=1 dessertspoon
 3 teaspoons=1 tablespoon
 16 tablespoons=1 cup
 1 cup= $\frac{1}{2}$ pt.
 1 cup water= $\frac{1}{2}$ lb.
 4 tablespoons flour=1 oz.
 2 tablespoons butter=1 oz.
 3 teaspoons soda= $\frac{1}{2}$ oz.
 4 teaspoons baking powder=
 $\frac{1}{2}$ oz.
 2 cups granulated sugar=1 lb.
 $2\frac{1}{2}$ cups confectioners' sugar=
 1 lb.
 $2\frac{1}{2}$ cups wheat flour=1 lb.
 $3\frac{1}{2}$ cups whole wheat flour=
 1 lb.
 $2\frac{1}{2}$ cups buckwheat flour=1 lb.
 $5\frac{1}{3}$ cups coffee=1 lb.
 $6\frac{1}{2}$ cups tea=1 lb.
 2 cups lard=1 lb.
 2 cups butter=1 lb.
 2 cups corn meal=1 lb.
 2 cups powdered sugar=1 lb.
 2 cups brown sugar=1 lb.
 2 cups raisins=1 lb.
 2 cups currants=1 lb.
 9 eggs=1 lb.

Linear Measure

1 foot=12 inches
 1 yard=3 feet
 1 rod=5 $\frac{1}{2}$ yards=16 $\frac{1}{2}$ feet
 1 mile=320 yards=1760 yards=
 5280 feet
 1 nautical mile=6080 feet
 1 knot=1 nautical mile per hour
 1 furlong= $\frac{1}{8}$ mile=660 feet=
 220 yards
 1 league=3 miles=24 furlongs
 1 fathom=2 yards=6 feet
 1 chain=100 links=22 yards
 1 link=7.92 inches
 1 hand=4 inches
 1 span=9 inches

Liquid Measure

4 gills=1 pint (O.)
 2 pints=1 quart (qt.)
 4 quarts=1 gallon (gal.)
 63 gallons=1 hogshead (hhd.)
 2 hogsheads=1 pipe or butt
 2 pipes=1 tun

Square Measure

1 square foot=144 square inches
 1 sq. yard=9 sq. feet
 1 sq. rod=30 $\frac{1}{4}$ sq. yards=
 272 $\frac{1}{4}$ sq. feet
 1 acre=160 sq. rods=43560 sq. ft.
 1 sq. mile=640 acres=
 102400 sq. rods
 1 sq. rod=625 square links
 1 sq. chain=16 square rods
 1 acre=10 square chains

Troy

(Used in weighing gold, silver,
 jewels)
 1 pennyweight=24 grains
 1 ounce=20 pennyweight
 1 pound=12 ounces

Metric

1 inch=2.54 centimeters
 1 meter=39.37 inches
 1 yard=0.914 meters
 1 mile=1609 meters=
 1.61 kilometers
 1 sq. inch=6.45 sq. cm.
 1 sq. yard=0.84 sq. m.
 1 sq. mile=2.59 sq. km.
 1 acre=0.40 hektars
 1 cu. yard=0.76 cubic meters
 1 cu. meter=1.31 cubic yards
 1 liter=1.06 U. S. liquid quarts
 1 hektoliter=100 liters=
 26.42 U. S. liquid gallons
 1 U. S. liquid quart=0.94 liters
 1 U. S. liquid gallon=3.76 liters
 1 metric ton=1000 kilograms
 1 kilogram=2.20 pounds
 1 pound avoirdupois=
 0.45 kilograms

POSTAL RATES.—DOMESTIC

July 10, 1954:

These rates take into account certain increases effective October 1, 1953, but the Bureau of Postoffice Operations advises no assurance that additional increases will not be legislated between now and Jan. 1, 1954 — for the year 1954 on all classes of mail. There are Bills before the Congress, and Interstate Commerce Commission which — if passed — may mean substantial increases.

First Class Matter may be forwarded from one Postoffice to another without additional postage but other matter must have new postage.

LETTERS AND POSTAL CARDS.—FIRST CLASS.

Letters and Written and Sealed Matter, 3 cents for each ounce, local and non-local, except that drop letters are subject to 2 cents for each ounce when deposited for local delivery at offices not having letter-carrier service, provided they are not collected or delivered by rural or star-route carriers.

Postcards and Private Mailing Cards (not larger than 3½ by 5½)..... .02

Government Postal Cards, each (for 50 or more, add 10%)..... .02

Stamped 3 cent Envelopes, one, 4 cents; 25 small, 87 cents; 25 large, 92 cents.

Business Reply Cards, 3 cents. **Business Reply Envelopes**, 4 cents each.

NEWSPAPERS AND PERIODICALS.—SECOND CLASS.

Entire Newspapers or Magazines containing notice of second class entry when mailed by public unsealed, 2 cents for 1st two ounces, 1 cent each added 2 oz. Fourth Class Rate applies when it is lower than Second Class.

MERCHANDISE AND MISCELLANEOUS.—THIRD CLASS.

(Limit of weight 8 ounces.)

Merchandise, incomplete copies of newspapers, printed and other mailable matter, unsealed, 2 cents for first two ounces, 1 cent for each additional ounce.

Identical pieces of third-class matter may be mailed under permit in bulk lots of not less than either 20 pounds or 200 pieces, at the rate of 14 cents a pound, or fraction thereof.

In case of circulars, miscellaneous printed matter, and merchandise, 10 cents a pound, or fraction thereof, in the case of books or catalogs having 24 pages or more, seeds, plants, etc., with a minimum charge of 1½ cents a piece in either case. Apply to postmaster for permit. The bulk mailing fee is \$10 per calendar year.

Minimum charge for pieces of odd size or form, 3 cents.

Books, catalogues mailed in packages not exceeding 8 oz. in weight (must be of 24 or more pages and substantially bound, with at least 22 pages printed, seeds, cuttings, bulbs, roots, scions and plants, 2 ounces or fraction 2 cents, each added 2 oz. 1½ cents.

Circulars and other miscellaneous printed matter, also merchandise, 2 cents for the first 2 ounces and 1 cent for each additional 2 oz. Limit eight ounces.

Catalogs and Similar Printed Advertising Matter, in bound form having 24 or more pages, weighing over 8 ounces but not exceeding 10 pounds. (*Increased rates pending*).

ZONES	Local	1st & 2nd	3rd	4th	5th	6th	7th	8th
1st Lb.	10c	11c	12c	13c	15c	16c	17c	18c
Each Add. Lb.	1½c	2½c	3c	4c	5½c	7c	9c	11c

Exception: 1st or 2nd zone, where shortest regular mail route is 300 miles or more, third class rate applies.

Books: 8 cents for the first pound or fraction thereof and 4 cents for each additional pound or fraction thereof—24 or more pages permanently bound, not to exceed 70 pounds in weight. May include 1 or 2 pages only incidental advertising.

Library Books: 4 cents for the first pound or fraction thereof and 1 cent for each additional pound or fraction thereof—limit of weight 70 pounds—when sent by public libraries, organizations, or associations not organized for profit for delivery in 1st three zones or within state where mailed.

PARCEL POST.—FOURTH CLASS.

(For Zone consult Post Office)

Everything over 8 ounces, including books and printed matter, except First Class and newspapers and other periodicals entered as Second Class matter mailed by the publishers:

Weight Limits: 72 lbs. and 100 inches combined length and girth—except between 1st Class postoffices (Postmaster has list) where limits are: In zones 1 and 2, 40 lbs. with 72 inch combined length and girth, other zones 20 lbs. and 72 inch combined length and girth. Parcels over 84 but under 100 inches combined length and girth charged as 10 pounds.

Weight in Pounds	LOCAL	1-2		3	4	5	6	7	8
		Up to 150 mles	150 to 300 mles	300 to 600 mles	600 to 1000 mles	1000 to 1400 mles	1400 to 1800 mles	Over 1800 mles	
1	\$0.18	\$0.23	\$0.23	\$0.24	\$0.26	\$0.28	\$0.30	\$0.32	
2	.20	.27	.29	.31	.36	.40	.46	.51	
3	.21	.31	.34	.38	.45	.52	.61	.69	
4	.23	.35	.39	.45	.54	.64	.76	.87	
5	.24	.39	.44	.52	.63	.76	.91	1.05	
6	.26	.43	.49	.59	.73	.88	1.06	1.23	
7	.27	.47	.54	.66	.82	1.00	1.22	1.41	
8	.29	.51	.60	.73	.91	1.12	1.37	1.59	
9	.30	.55	.65	.80	1.00	1.24	1.52	1.77	
10	.32	.59	.70	.87	1.10	1.36	1.67	1.95	
11	.33	.63	.75	.93	1.19	1.48	1.82	2.13	
12	.34	.67	.80	1.00	1.28	1.60	1.98	2.31	
13	.36	.71	.85	1.07	1.37	1.72	2.13	2.49	
14	.37	.75	.90	1.14	1.47	1.84	2.28	2.67	
15	.39	.79	.96	1.21	1.56	1.96	2.43	2.85	
16	.40	.83	1.01	1.28	1.65	2.08	2.58	3.03	
17	.42	.87	1.06	1.35	1.74	2.20	2.74	3.21	
18	.43	.91	1.11	1.42	1.84	2.32	2.89	3.39	
19	.45	.95	1.16	1.49	1.93	2.44	3.04	3.57	
20	.46	.99	1.21	1.56	2.02	2.56	3.19	3.75	

(Continued on Page 96)

POSTAL RATES (Continued from Page 97)

SPECIAL CLASSES. — DOMESTIC MAIL.

Special Delivery: First Class Mail: Each piece under 2 lbs.—20c; over 2 up to 10—35c; over 10 lbs.—50c.

Parcel Post: Up to 2 lbs.—35c; over 2 up to 10—45c; over 10 lbs.—60c.

Special Handling: Parcel Post only: Up to 2 lbs.—15c; over 2 lbs. up to 10—20c; over 10 lbs.—25c.

(This service expedites mail but does not include special delivery.)

Registered Mail: 30c minimum; up to \$5.00 Indemnity—40c; over \$5.00 up to \$25.00—55c; over \$25.00 up to \$50.00—65c; over \$50.00 up to \$75.00—75c; over \$75.00 up to \$100.00—85c.

There are special surcharges when declared values exceed indemnities—see local Postmaster about these.

Insured Mail: Third and Fourth Class Only: Indemnity up to \$5.00—5c; over \$5.00 up to \$10.00—10c; over \$10.00 up to \$25.00—15c; over \$25.00 up to \$50.00—20c; over \$50.00 up to \$100.00—30c.

C. O. D.: Indemnities up to \$5.00, registered or not—30c; over \$5.00 up to \$10.00—Registered 80c, Non Reg. 40c; over \$10.00 up to \$25.00—Reg. \$1.10, Non Reg. 60c; over \$25.00 up to \$50.00—Reg. \$1.10, Non Reg. 70c; over \$50.00 up to \$100.00—Reg. \$1.40, Non Reg. 90c.

Money Orders: Limit for each is One Hundred Dollars. If amount of money order is from 1c to \$5.00 the fee is 10c; from \$5.01 to \$10.00 the fee is 15c; from \$10.01 to \$50.00 the fee is 25c; from \$50.01 to \$100.00 the fee is 35c.

AIR MAIL: On United States Continent

Letters: Six cents per ounce. Postals four cents each.

Air Mail Parcel Post (Correspondence may be included in package). Weight limits and sizes same as Surface Mail.

Weight	ZONES							
	1, 2, 3	4	5	6	7	8	9	10
8 oz. up to 1 pound	\$0.60	\$0.65	\$0.70	\$0.75	\$0.75	\$0.75	\$0.80	\$0.80
Each added pound	.48	.50	.56	.64	.72	.72	.80	.80

POSTAL RATES: International

Letters: Surface rate: To Canada and Mexico 3c per ounce or fraction; to all other countries 8c for the first ounce and 4c each additional ounce or fraction.

Postcards: Surface rate: To Canada and Mexico, 2c each; 4c with reply paid. To all other countries 4c each, 8c with reply paid. Maximum size 6x4 1/4 inches, minimum size 4x2 3/4 inches.

Printed Matter.—2 cents for first two ounces or fraction thereof, 1 1/2c each additional 2 oz.

Eight-ounce Merchandise Packages.—Packages of merchandise weighing 8 ounces or less, for the countries named in the table below, 2 cents for first 2 ounces and 2c each additional 2 oz. Do not seal. Mark—"May be Opened for Inspection."

Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras (Republic), Mexico, Nicaragua, Panama, Paraguay, Peru, Salvador, El; Spain and possessions; Uruguay, Venezuela.

Small Packets.—Three cents for first 2 ounces, and 2c for each additional 2 oz., with a minimum charge of 20 cents per packet. Limit of weight: 2 pounds, 3 ounces. Dimensions: Same as for letters. (Inquire at main office or classified stations for list of countries which accept small packets and mailing instructions.)

Parcel Post.—Basic rate 45c first pound, 22c each additional pound. For detailed information consult your local Postmaster.

AIR MAIL: U.S. (Outside Continent) and International

(Air letter sheets, 10c each to all countries.)

(Air mail post cards (single), 10c each to all countries except Canada and Mexico, 4c. Cuba, St. Pierre and Miquelon, 8c.)

Letters and Letter Packages

A. 6 cents: (Per ounce) Canada, Mexico; Armed Forces or Civilian personnel with Army or Navy Postoffice addresses Continental United States, Alaska, Canal Zone, Canton Island, Guam, Hawaii, Puerto Rico, and U. S. Virgin Islands.

B. 8 cents: Cuba .08—1/2 oz.

C. 10 cents: Central and South America, West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10—1/2 oz.

D. 15 cents: Great Britain, Europe and other Islands in waters around it, U.S.S.R., Vatican City, Algeria, Egypt, Iceland, Libya, Morocco, Tunis, Turkey .15—1/2 oz.

E. 25 cents: All other localities .25—1/2 oz.

Weight limit is 4 lbs., 6 oz. except: Canada, 60 lbs.

OTHER INTERNATIONAL AIR SERVICE

Because of the varying rates and conditions, as well as frequent changes, applicable to other countries, it is important that a qualified postal employee handle parcel post transactions. Weight limits vary from 11 to 44 lbs.

1. Commercial Papers, Printed Matter, etc., Samples (Unsealed)

From U. S. to:	First 2 oz.	Ea. Add'l 2 oz.
England	\$0.41	\$0.20
France	.42	.21
Belgium	.42	.21
Italy	.45	.24
Sweden	.45	.24
Egypt	.52	.31

2. Parcel Post

First 4 oz.	Ea. Add'l 4 oz.
\$1.00	\$0.41
1.22	.44
.98	.43
1.08	.50
.85	.49
1.35	.64

THE CENTRAL MASSACHUSETTS TORNADO JUNE 9, 1953

by W. EMORY WARDWELL

This record for future generations escaped last year's Almanac as we were already made up before it was available. Par. 4 from end is of interest in connection with the H Bomb story—Page 91.

The storm which swept through central Massachusetts on June 9, 1953, was a true tornado seldom known in this area. June 9th might be best described as just another summer day of rather high humidity, but nothing indicated any unusual occurrence. The instruments at the various weather stations along the huge Quabbin Reservoir, at whose eastern end the tornado first struck, showed no indications of anything unusual and the trained observers at the Dam did not detect any turbulence or other warning signs. It is now pretty well established that the central Massachusetts tornado was a continuation of the one which struck Flint, Michigan, and which it was feared would strike Buffalo, N. Y. Somewhere between Flint and Buffalo it disappeared and only was again observed on June 9th high in the atmosphere over Pittsfield, Mass.

It struck at about 4:30 P. M. on the meadow land of a farm at the eastern end of Quabbin Reservoir in the township of Petersham where it excavated a crater 100 ft. in diameter and 6 ft. deep and then continued its destructive course through Petersham and Barre townships towards the center of the town of Rutland.

When word of the approach of the tornado reached the hill town of Rutland it was immediately apparent that the stage was set for a tragic disaster. Two large hospitals are located in Rutland about a mile apart, the United States Government Veteran's Hospital, which has 615 beds and a force of 612 physicians, nurses and attendants and the Rutland State Sanitorium, which has 220 beds and a force of 235. Would the tornado strike one of them?

As the storm came out of the woodland over which it had traveled from Barre, it destroyed a few houses then crossed the main road and again plunged into wild land on its way to Holden and Worcester, leaving the two hospitals unharmed and about equally distant to the right and left of its track.

When the tornado left Holden and entered the northern limits of Worcester, if it had traveled only a few degrees west instead of turning east as it did, it would have taken the storm into the congested area of the City with greatly increased loss of life and property.

Until the tornado reached the Greendale section in the Northern part of the City of Worcester the damage had been confined to dwelling houses and woodland, but here the roof of a new machine shop of the Norton Company, just completed at a cost of \$1,000,000, was removed and the factory of the Vellumold Co. destroyed and a large greenhouse wiped out.

As the tornado turned to the east three churches were greatly destroyed and then it again struck a large settlement of wooden houses. It was here the greatest loss of life and injuries occurred.

As the tornado moved on it seemed to gather more energy and at the Worcester Poor Farm it destroyed 28 buildings of solid brick, concrete and steel construction. It was here it showed its immense power. A large barrack like building on the Poor Farm grounds housing 120 homeless men was laid flat and every one of the 120 iron beds in the building were whisked away and the spot where they must have eventually been deposited, probably many miles away in some forest, has never been discovered. Steel work in the steel and concrete buildings has likewise disappeared.

Light rubbish produced by the tornado was, of course, carried great distances, but here we have 120 heavy iron beds and massive steel beams carried away en masse.

Leaving the Poor Farm property the tornado continued across Lake Quinsigamond through the town of Shrewsbury causing great loss of life and damage to property, and then gradually moved on to the south dying out at Fayville in Southboro township at about 5:40 P. M. A small secondary tornado kept on through Mendon and Franklin townships doing little harm and ended near the Rhode Island line in Franklin township.

The total length of the tornado's path was about 40 miles with an average width of 1000 ft. It covered about 8300 acres, of which about 3400 were woodland. 94 people were killed and 1250 injured. 4000 buildings, mostly homes, were damaged or completely destroyed and 10,000 people left homeless.

The property damage was in excess of \$53,000,000, which included 9000 telephone installations destroyed.

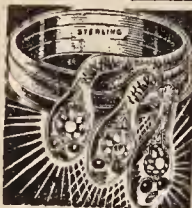
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Controversy among literary minded has existed since the fifth century with regard to the merit of publishing abridged versions of original articles, stories, and books. Isaac D'Israeli, father of the famous Benjamin D'Israeli, pointed out in 1835 the practise began when access to bulky volumes of the ancients lay buried in dust-ponderous tomes which only abridgement could bring to wide public notice. According to D'Israeli, the "elegant writer of the Book of Maccabees" delivered "pleasing and useful instructions" in this regard (Book 2, Chap. 2, V. 23): "All these things, I say, being declared by Jason of Cyrene, in five books we will assay to abridge in one volume." This advice we might point out seems to have been well observed in that magazine which has the largest paid circulation in all the world —The Reader's Digest, published at Pleasantville, N. Y. Its editors and founders, the DeWitt Wallaces, long known to many for their religious leanings, undoubtedly knew their Maccabees.



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'QUAKE FORECAST

Earthquake periods are on the Moon's phase. The greatest strain on the earth is at Full, New, First Quarter, Last Quarter, and if the Moon is north of the equator the northern Hemisphere is most likely to be affected, and when in the south the southern Hemisphere. The periods are 72 hours each side of the time of Full and New Moon, and 24 hours each side of the time of Last and First Quarter Moon. About 80% of earthquakes occur in these periods.

Very truly yours,
Dr. H. Field Smith,
St. Petersburg, Fla.

From these tables you will note the significant possible earthquake dates in 1955 are as follows:

January 1, 5-11, 30, 31.
February 3-9.
March 1, 2, 5-8, 23, 24, 30, 31.
April 19-25, 29, 30.
May 18-24, 27-29.
June 13-25, 29, 30.
July 11-13, 16-22.
August 10, 11, 14-20.
September 2-5, 8-10, 15.
October 1-3, 7-9, 29, 30.
November 5-7, 27-30.
December 6, 21, 22, 25-31.



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USE THIS ALMANAC ANYWHERE IN THE U. S. A.

The times given on the left hand calendar pages (12 to 34) are calculated (every astronomer must have some starting place) exactly for the latitude (42 deg. 22 min. north) and longitude of Boston and in EASTERN STANDARD TIME which is the time of the 75th meridian West of Greenwich, England.

To overcome the difficulties of presenting one almanac which shall be useful not only for the spot where the astronomer is standing but also for other places, it has been customary to present three or four extra latitude columns — which at best give but a small measure of the desired accuracy. The Old Farmer's Almanac adopted a unique, copyrighted system of its own some years ago whereby the times as given may be corrected for wherever you happen to live by the use of the Almanac Data tables on pages 104 and 105.

Opposite the times given on the left hand calendar pages (12-34) for each day in the year for the Rising and Setting of the Sun, Moon and Planets you will find a capitalised letter of the alphabet. Turning to pages 104 and 105 you will find columns for each of these letters as well as a number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 12-34.

If your city is not listed, choose two cities within the same time zone as your locality which lie on either side of your town. Interpolate between the corrections figures given for each key letter for each of these cities respectively and enter the result for your town below. The net figures resulting from this modification will be those to use in correcting the Almanac figures for Boston to get the standard times for your town.

For example, to find the corrections for Peoria, Ill., one finds that Peoria lies about halfway between Indianapolis and Des Moines. Thus the correction for the key letter "A" at Peoria would lie about halfway between those given in the table for Indianapolis and Des Moines (+12 and +34 respectively) and would be about +23. Or, by way of a second illustration, Concord, N. H., lies about one-eighth of the way from Portland, Me., to Pittsburgh, Pa., and the correction for the key letter "O" would lie about one-eighth of the way from the correction for Portland (+2) to that for Pittsburgh (+29) and would be +5.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	☾
YOUR TOWN	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Lat.																		
Lo.																		

HOW TIMES ARE CONVERTED FOR YOUR TOWN

Sunrise and Sunset. The times of sunrise and sunset at Boston on April 11 are read directly from columns 4 and 6 on page 18. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on page 104 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

BOSTON			PITTSBURGH, PA.		
Sunrise	5:11	A.M.E.S.T.	Sunrise (Boston)	5:11	A.M.E.S.T.
Key Letter	G		Correction (Column G, page 105)	+38	
			Sunrise (Pittsburgh)	5:49	A.M.E.S.T.
Sunset	6:21	P.M.E.S.T.	Sunset (Boston)	6:21	P.M.E.S.T.
Key letter	K		Correction (Column K, page 105)	+33	
			Sunset (Pittsburgh)	6:54	P.M.E.S.T.

Sun Fast. The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 14 minutes Fast of Eastern Standard Time. The time indicated by a sundial located elsewhere than in Boston is converted to clock time by applying two corrections, the "Sun Fast" correction for Boston and that for the locality given in Column I of the table on page 104 or 105.

Length of Day. The figures in the column headed "Length of Day" give directly the length of time the Sun will be above the horizon at Boston. The length of day in other localities is found by subtracting the time of sunrise from that of sunset for each locality. (See *Sunrise and Sunset* above.)

BOSTON		PITTSBURGH, PA.	
Length of day	13h 11m	Sunset (Pittsburgh)	6:54 P.M.
From calendar page 18, April 11.)		Sunrise (Pittsburgh)	5:49 A.M.
		Length of Day	13h. 5m.

Moonrise and Moonset. The procedure for finding the times of moonrise and moonset follows that for finding those of sunrise and sunset except that the constant additional correction taken from Column **D** on pages 104, 105 must be applied.

BOSTON		PITTSBURGH	
Moonrise	10.57 P.M. E.S.T.	Moonrise (Boston)	10.57 P.M.
Key letter	O	Correction (Column O, page 105)	+ :29
April 11		Correction (Column D , page 105)	+ :01
Page 18			
		Moonrise (Pittsburgh) 11.27 P.M., E.S.T.	

Moon Souths. The time the moon souths in Boston is converted to the time it is due south in a locality other than Boston by applying the appropriate corrections from Columns I and **D** on page 104.

BOSTON		PITTSBURGH	
Moon souths	2.42 A.M. E.S.T.	Moon souths (Boston)	2.42 A.M.
April 11		Correction (Column I, page 105)	+ :36
Page 13		Correction (Column D , page 105)	+ :01
		Moon souths (Pittsburgh) 3.19 A.M., E.S.T.	

The other information concerning the Moon contained on the left hand Almanac pages applies without correction throughout the United States.

Risings and Settings of the Planets. The times of the rising and setting of the naked eye Planets with the exception of Mercury are given for Boston in the table on page 5. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 100.

Dawn and Dark. The approximate times dawn will break and dark descend are found by applying the length of twilight taken from the table below to the times of sunrise and sunset given on the calendar pages. The latitude of the locality determines the column of the table from which the length of twilight is to be selected.

BOSTON (Latitude 42° 22' N.)		April 11	PITTSBURGH, PA. (Latitude 40° 26' N.)	
Sunrise	5.11 A.M.	Sunrise	5.49 A.M.	
Subtract length of twilight (Column 4 of table)	1:39	Subtract length of twilight (Column 3 of table)	1:39	
Dawn breaks	3:32 A.M.E.S.T.	Dawn breaks	4.10 A.M., E.S.T.	
Sunset	6:21 P.M.	Sunset	6:54 P.M.	
Add length of twilight	1:39	Add length of twilight	1:39	
Dark descends	8:00 P.M.E.S.T.	Dark descends	8.33 P.M., E.S.T.	

LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.
Add to time of sunset for dark.

Latitude	25°N to 30°N	31°N to 36°N	37°N to 42°N	43°N to 47°N	48°N to 49°N
	h m	h m	h m	h m	h m
Jan. 1 to Apr. 11	1 20	1 26	1 33	1 42	1 50
Apr. 11 to May 3	1 23	1 28	1 39	1 51	2 04
May 3 to May 15	1 26	1 34	1 47	2 02	2 22
May 15 to May 26	1 29	1 38	1 52	2 13	2 42
May 26 to July 23	1 32	1 43	1 59	2 27	—
July 23 to Aug. 4	1 29	1 38	1 52	2 13	2 42
Aug. 4 to Aug. 15	1 26	1 34	1 47	2 02	2 22
Aug. 15 to Sept. 6	1 23	1 28	1 39	1 51	2 04
Sept. 6 to Dec. 31	1 20	1 26	1 33	1 42	1 50

WEATHER TABLE,

For foretelling the Weather through all the lunations of each year, forever.

This table, and the accompanying remarks, are the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the sun and moon, in their several positions respecting the earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the moon into any of its quarters, and that so near the truth as to be seldom or never found to fail.

This weather table will answer very well for anywhere in the United States. It is taken from the 1849 issue of The Old Farmer's Almanac and was widely used before the advent of the Weather Bureau.

The weather forecasts as given on the right hand pages of the Farm Calendars on pages 13 through 35 are strictly for Boston and East of the Hudson River. These forecasts contain elements which rise in the proximity of this region to the sea and to the paths of tropical storms. The application of these forecasts to middle western, western, and southern regions will not bring any reasonable degree of accuracy. However, for a rough rule of thumb if you insist on using the forecast on pages 13-35, you may subtract one day for each time zone West of the Hudson to compensate for the Easterly path of continental storms. For every hundred miles north or south of 42 degrees latitude, add a five degree temperature (colder if north, warmer if south) differential and for every 1000 feet above sea level consider your locality as five degrees cooler than the weather as given.

WEATHER TABLE FOR ANYWHERE

Moon	Time of Change	In Summer	In Winter
If the new moon, 1st quarter, full moon, or last quarter happens.	From Midnight to 2 A.M.	Fair	Hard frost, unless wind be S. or W.
	From 2 A.M. to 4 A.M.	Cold, with frequent showers	Snow and stormy
	From 4 A.M. to 6 A.M.	Rain	Rain
	From 6 A.M. to 8 A.M.	Wind and Rain	Stormy
	From 8 A.M. to 10 A.M.	Changeable	Cold Rain if wind be W.; Snow if E.
	From 10 A.M. to Noon	Frequent Showers	Cold & high wind.
	From Noon to 2 P.M.	Very rainy	Snow or rain.
	From 2 P.M. to 4 P.M.	Changeable	Fair & mild,
	From 4 P.M. to 6 P.M.	Fair	Fair.
	From 6 P.M. to 8 P.M.	Fair — if wind N.W. Rain — if S. or S.W.	Fair & frosty if wind N. or N.E.: Rain or snow if wind S. or S.W.
	From 8 P.M. to 10 P.M.	Same as from 6 P.M. to 8 P.M.	
	From 10 P.M. to Midnight	Fair	Fair & frosty.

Observations. — 1. The nearer the moon's changes, first quarter, full, and last quarter are to *midnight*, the fairer will it be during the next seven days.

2. The space for this calculation occupies from ten at night till two next morning.

3. The nearer to *midday*, or *noon*, the phases of the moon happen, the more foul or wet weather may be expected during the next seven days.

4. The space for this calculation occupies from ten in the forenoon to two in the afternoon. These observations refer principally to the summer, though they affect spring and autumn nearly in the same ratio.

5. The moon's change, first quarter, full and last quarter, happening during six of the afternoon hours, i.e., from four to ten, may be followed by fair weather; but this is mostly dependent on the *wind*, as is noted in the table.

6. Though the weather, from a variety of irregular causes, is more uncertain in the latter part of autumn, the whole of winter, and the beginning of spring, yet, in the main, the above observations will apply to those periods also.

7. To prognosticate correctly, especially in those cases where the *wind* is concerned, the observer should be within sight of a good *vane*, where the four cardinal points of the heavens are correctly placed.

The above table was originally formed by Dr. Herschell, and is now published with some alterations founded on the experience of Dr. Adam Clarke.

TO THE WEATHER-WISE

Dr. Foster, of Bruges, who is well known as a meteorologist, declares that, by journals of the weather kept by his grandfather, father, and himself, ever since 1767, to the present time, *whenever the new moon has fallen on a Saturday, the following twenty days have been wet and windy*, in nineteen cases out of twenty.

TIDE CORRECTIONS

To obtain the time and height of high water at any place, apply the differences in accordance with the sign given to the daily predictions for Boston (Commonwealth Pier). Where a value in the "height difference" column is preceded by an*, the height at Boston should be multiplied by this ratio.

	<i>Time Differ- ence h.m.</i>	<i>Height Differ- ence Ft.</i>		<i>Time Differ- ence h.m.</i>	<i>Height Differ- ence Ft.</i>
MAINE			PENNSYLVANIA		
Augusta	+3 50	*0.4	Philadelphia	+2 29	*0.5
Bangor	-0 05	+3.6	DELAWARE		
Bar Harbor	-0 33	+1.1	Rehoboth	-3 37	*0.4
Boothbay Harbor . . .	-0 20	-0.8	MARYLAND		
Eastport	-0 28	*1.9	Baltimore	-4 25	*0.1
Old Orchard	-0 10	-0.7	Ocean City	-3 57	*0.4
Portland	-0 10	-0.6	DISTRICT OF COLUMBIA		
Stonington	-0 30	+0.2	Washington	-3 08	*0.3
NEW HAMPSHIRE			VIRGINIA		
Hampton	+0 15	-1.2	Norfolk	-1 54	*0.3
MASSACHUSETTS			Virginia Beach	-3 14	*0.3
Fall River	-3 16	*0.5	NORTH CAROLINA		
Falmouth	-0 40	*1.1	Beaufort	-2 59	*0.3
Hyannisport	+0 45	*0.3	Carolina Beach	-3 30	*0.4
Lynn	+0 05	-0.2	SOUTH CAROLINA		
Marblehead	-0 05	-0.3	Myrtle Beach	-3 45	*0.5
Marion	-3 16	*0.4	Charleston	-3 15	*0.5
Monument Beach . . .	-3 06	*0.4	GEORGIA		
Nantasket	+0 10	+0.1	St. Simon's Island . . .	-2 51	*0.7
Nantucket	+0 50	*0.3	Savannah	-2 40	*0.8
New Bedford	-3 21	*0.4	Tybee Beach	-3 26	*0.8
Oak Bluffs	+0 05	*0.2	FLORIDA		
Onset	-3 06	*0.5	Daytona	-3 20	*0.4
Plymouth	0 00	+0.1	Fort Lauderdale	-2 15	*0.3
Provincetown	+0 15	-0.3	Jacksonville	-0 40	*0.1
Scituate	-0 05	-0.5	Miami	-3 00	*0.3
Wellfleet	+0 20	+0.6	Palm Beach	-3 20	*0.3
Woods Hole	-3 01	*0.2	Port Everglades	-2 15	*0.3
RHODE ISLAND			St. Augustine	-2 20	*0.5
Block Island	-3 21	*0.3	St. Petersburg	+3 58	*0.2
Narragansett Pier . . .	-3 31	*0.4	WASHINGTON		
Newport	-3 31	*0.4	Ilwaco	+1 44	-3.5
Providence	-3 11	*0.5	Port Townsend	+5 04	*0.5
Watch Hill	-2 06	*0.3	Seattle	+5 37	-2.0
CONNECTICUT			OREGON		
Long Island Sound . . .	-0 02	*0.7	Astoria	+1 37	-3.3
New London	-1 47	*0.3	Cape Arago	+1 19	-4.8
NEW YORK			Yaquina Head	+1 12	-3.7
Coney Island	-3 00	*0.5	CALIFORNIA		
Long Beach	-3 57	*0.5	Catalina Island	-1 33	-5.9
Long Island Sound . . .	+0 08	*0.7	Crescent City	+0 56	-5.0
New York City	-2 50	*0.5	Eureka	+1 20	-5.0
Ocean Beach	-3 57	*0.4	Long Beach	-1 37	-5.5
Southampton	-3 22	*0.3	Monterey	-0 03	*0.4
NEW JERSEY			Point Mendocino	+0 24	*0.4
Atlantic City	-3 57	*0.5	San Diego	-1 35	-5.9
Bayside	-0 24	*0.6	San Francisco	+0 59	*0.4
Cape May	-3 37	*0.5	Santa Barbara	-1 19	-6.0
Ocean City	-3 17	*0.4	Santa Cruz	+0 08	*0.4
Seabright					
to	-3 44	*0.5			
Seaside Park					

Example: The figures for Full Sea in Columns 11 and 12 of the left hand Almanac pages 12-34 are the times of high tide at Commonwealth Pier in Boston Harbor. The heights of these tides are given on the right hand pages 13-35. The heights are reckoned from Mean Low Water: each day has a set of figures—upper for the morning—and lower for the evening. The conversion of the times of the tides at Boston to those of Miami is given by way of illustration.

See page 18, column 11.

BOSTON		MIAMI	
High Tide (from page 18)	2.00 P.M.E.S.T.	High tide (Boston)	2.00 P.M.
April 18		Correction above	-3.00
Height (from page 19)	8.6 feet	High tide (Miami)	11.00 A.M.E.S.T.
		Height (Miami)	2.6 feet
		(8.6 x 0.3)	

ALMANAC DATA — ALL POINTS IN U.S.A.
 TABLE FOR FINDING TIMES OF SUNRISE, SUNSET, MOONRISE, MOONSET, AND RISING AND SETTING
 OF PLANETS TO WITHIN 5 MIN. ACCURACY ANYWHERE IN U. S. A.

(See explanation on preceding pages 100 and 101.)

Time used	SUBTRACT OR ADD these minutes to Almanac times given (pages 12-34).														☾		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Amarillo, Texas.....	+ 88	+ 85	+ 82	+ 78	+ 74	+ 70	+ 66	+ 63	+ 59	+ 55	+ 51	+ 48	+ 44	+ 40	+ 37	+ 33	+ 30
Atlanta, Ga.....	+ 87	+ 84	+ 80	+ 75	+ 71	+ 66	+ 62	+ 57	+ 53	+ 48	+ 44	+ 39	+ 35	+ 31	+ 27	+ 23	+ 19
Augusta, Ga.....	+ 79	+ 75	+ 71	+ 66	+ 62	+ 57	+ 52	+ 48	+ 43	+ 39	+ 34	+ 29	+ 25	+ 20	+ 16	+ 12	+ 8
Baltimore, Md.....	+ 36	+ 34	+ 32	+ 31	+ 29	+ 27	+ 25	+ 24	+ 22	+ 20	+ 19	+ 17	+ 15	+ 13	+ 12	+ 10	+ 8
Beaumont-Port Arthur, Texas.....	+ 78	+ 73	+ 68	+ 62	+ 65	+ 49	+ 43	+ 37	+ 31	+ 25	+ 19	+ 13	+ 7	+ 1	- 4	- 10	- 15
Birmingham, Ala.....	+ 38	+ 34	+ 30	+ 25	+ 21	+ 16	+ 11	+ 7	+ 2	- 2	- 7	- 11	- 16	- 20	- 24	- 28	- 33
Canton, Ohio.....	+ 48	+ 47	+ 46	+ 45	+ 44	+ 44	+ 43	+ 42	+ 41	+ 40	+ 39	+ 38	+ 37	+ 36	+ 35	+ 34	+ 33
Charleston, S. C.....	+ 73	+ 69	+ 64	+ 60	+ 54	+ 49	+ 44	+ 40	+ 35	+ 30	+ 25	+ 20	+ 15	+ 11	+ 8	+ 2	- 3
Charleston, W. Va.....	+ 59	+ 57	+ 55	+ 53	+ 51	+ 48	+ 46	+ 44	+ 42	+ 40	+ 37	+ 35	+ 33	+ 31	+ 29	+ 27	+ 25
Chicago, Ill.....	+ 9	+ 8	+ 8	+ 8	+ 7	+ 7	+ 7	+ 7	+ 6	+ 6	+ 6	+ 5	+ 5	+ 5	+ 5	+ 4	+ 4
Cincinnati, Ohio.....	+ 68	+ 66	+ 65	+ 63	+ 61	+ 59	+ 57	+ 55	+ 54	+ 52	+ 50	+ 48	+ 46	+ 45	+ 43	+ 41	+ 39
Columbia, S. C.....	+ 73	+ 70	+ 66	+ 61	+ 57	+ 52	+ 48	+ 44	+ 39	+ 35	+ 31	+ 26	+ 22	+ 18	+ 14	+ 10	+ 6
Columbus, Ga.....	+ 94	+ 90	+ 85	+ 80	+ 75	+ 70	+ 65	+ 60	+ 55	+ 50	+ 45	+ 40	+ 35	+ 30	+ 26	+ 21	+ 17
Columbus, Ohio.....	+ 58	+ 57	+ 56	+ 54	+ 53	+ 52	+ 50	+ 49	+ 47	+ 46	+ 45	+ 43	+ 42	+ 41	+ 39	+ 38	+ 37
Corpus Christi, Texas.....	+ 103	+ 98	+ 91	+ 83	+ 75	+ 68	+ 60	+ 52	+ 45	+ 37	+ 29	+ 21	+ 14	+ 6	0	- 7	- 14
Dallas-Ft. Worth, Texas.....	+ 81	+ 78	+ 73	+ 68	+ 63	+ 58	+ 53	+ 48	+ 43	+ 38	+ 33	+ 28	+ 23	+ 19	+ 14	+ 10	+ 5
Denver, Colo.....	+ 27	+ 26	+ 23	+ 23	+ 21	+ 20	+ 18	+ 17	+ 16	+ 14	+ 13	+ 11	+ 8	+ 6	+ 4	+ 2	+ 1
Des Moines, Iowa.....	+ 34	+ 34	+ 33	+ 33	+ 32	+ 31	+ 31	+ 30	+ 30	+ 30	+ 29	+ 29	+ 28	+ 28	+ 27	+ 27	+ 26
Detroit, Michigan.....	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48	+ 48
Durham, N. C.....	+ 58	+ 56	+ 52	+ 48	+ 45	+ 41	+ 38	+ 34	+ 31	+ 28	+ 24	+ 21	+ 17	+ 14	+ 11	+ 8	+ 5
Evansville, Ind.....	+ 25	+ 23	+ 20	+ 18	+ 15	+ 13	+ 11	+ 8	+ 6	+ 3	+ 1	- 1	- 4	- 6	- 8	- 11	- 13
Galveston-Houston, Texas.....	+ 84	+ 79	+ 73	+ 67	+ 61	+ 54	+ 48	+ 41	+ 35	+ 29	+ 23	+ 16	+ 10	+ 4	- 1	- 7	- 13
Hamilton-Middletown, Ohio.....	+ 66	+ 65	+ 63	+ 61	+ 60	+ 58	+ 56	+ 55	+ 53	+ 52	+ 50	+ 48	+ 47	+ 45	+ 44	+ 42	+ 40
Hartford-New Britain, Conn.....	+ 10	+ 9	+ 9	+ 8	+ 8	+ 8	+ 7	+ 7	+ 7	+ 6	+ 6	+ 5	+ 5	+ 5	+ 4	+ 4	+ 4
Indianapolis, Ind.....	+ 12	+ 11	+ 9	+ 8	+ 6	+ 5	+ 3	+ 2	0	- 1	- 3	- 4	- 6	- 7	- 8	- 10	- 11
Jackson, Miss.....	+ 55	+ 51	+ 47	+ 42	+ 36	+ 31	+ 26	+ 21	+ 16	+ 11	+ 6	0	- 5	- 9	- 14	- 18	- 23
Jacksonville, Fla.....	+ 87	+ 83	+ 77	+ 71	+ 65	+ 59	+ 53	+ 47	+ 42	+ 36	+ 30	+ 24	+ 18	+ 12	+ 7	+ 2	- 4

Little Rock, Ark.	CST	+44	+40	+36	+32	+28	+24	+21	+17	+13	+9	+5	+1	-2	-6	+3
Los Angeles, Cal.	PST	+31	+25	+21	+17	+12	+8	+4	-1	-5	-9	-13	-17	-21	-25	+7
Macon, Georgia	EST	+70	+69	+64	+60	+55	+50	+45	+40	+35	+30	+26	+21	+17	+12	+7
Madison, Wis.	CST	+12	+12	+12	+13	+13	+14	+14	+15	+15	+15	+16	+16	+17	+17	+3
Memphis, Tenn.	CST	+34	+31	+27	+23	+19	+15	+12	+8	+4	0	-4	-7	-10	-14	+3
Miami, Fla.	EST	+83	+67	+59	+51	+44	+36	+28	+20	+13	+5	-2	-9	-16	-23	+1
Mobile, Ala.	CST	+42	+36	+31	+25	+19	+13	+7	-4	-10	-16	-21	-26	-31	-37	+2
Montgomery, Ala.	CST	+31	+26	+21	+16	+11	0	5	-10	-15	-20	-25	-29	-34	-38	+2
Nashville, Tenn.	CST	+23	+19	+16	+12	+9	6	3	-1	-7	-11	-14	-17	-20	-23	+2
New Haven-Bridgeport, Conn.	EST	+9	+9	+8	+7	+7	+6	+6	+6	+5	+5	+4	+4	+4	+3	0
New Orleans, La.	CST	+52	+46	+40	+34	+28	+21	+15	+9	+3	0	-5	-15	-20	-26	+3
New York, N. Y.	EST	+17	+16	+15	+14	+13	+12	+11	+10	+9	+8	+7	+6	+5	+4	+0
Norfolk-Portsmouth-Newport News, Va.	EST	+42	+39	+36	+33	+30	+27	+24	+21	+18	+15	+12	+9	+7	+5	+1
Oklahoma City, Okla.	CST	+71	+67	+64	+60	+56	+53	+49	+45	+42	+38	+34	+31	+27	+24	+4
Ottawa, Ontario	EST	+5	+5	+7	+9	+11	+13	+15	+17	+19	+21	+23	+24	+26	+28	+1
Philadelphia, Pa.	EST	+27	+26	+25	+23	+20	+19	+16	+15	+13	+12	+11	+9	+8	+7	+1
Phoenix, Arizona	MST	+79	+75	+71	+67	+62	+57	+53	+48	+44	+39	+34	+30	+25	+21	+6
Pittsburg, Pa.	EST	+44	+43	+42	+41	+40	+39	+38	+37	+36	+35	+33	+32	+31	+30	+1
Portland, Maine	EST	-9	-8	-7	-6	-5	-4	-4	-3	-2	-1	1	2	2	3	0
Pueblo, Colo.	MST	+32	+30	+28	+25	+23	+21	+18	+16	+14	+12	+10	+7	+5	+3	+5
Richmond, Va.	EST	+47	+44	+41	+38	+36	+33	+30	+28	+25	+22	+20	+17	+15	+13	+1
Sacramento, Cal.	PST	+38	+36	+34	+32	+30	+28	+26	+24	+22	+20	+17	+15	+13	+11	+7
St. Louis, Mo.	CST	+33	+32	+30	+28	+26	+23	+21	+19	+17	+15	+13	+11	+9	+7	+3
Salt Lake City, Utah	MST	+50	+49	+48	+47	+46	+45	+44	+43	+42	+41	+40	+39	+38	+37	+4
San Antonio, Texas	CST	+95	+90	+85	+78	+72	+66	+60	+54	+48	+41	+35	+29	+23	+17	+4
San Diego, Cal.	PST	+42	+38	+33	+29	+24	+19	+14	8	4	1	-6	-11	-16	-20	+6
San Francisco-Oakland, Cal.	PST	+44	+42	+40	+38	+35	+33	+30	+28	+25	+23	+20	+18	+15	+13	+6
San Jose, Cal.	PST	+45	+42	+40	+37	+34	+31	+28	+26	+23	+21	+19	+16	+14	+12	+7
Savannah, Ga.	EST	+80	+76	+71	+66	+60	+55	+50	+45	+40	+34	+29	+24	+19	+14	+1
Seattle, Wash.	PST	-2	+1	+4	+8	+12	+15	+19	+22	+26	+29	+32	+36	+39	+43	+7
Springfield-Dayton, Ohio	EST	+63	+62	+60	+59	+57	+56	+55	+53	+52	+50	+49	+47	+46	+45	+2
Spokane, Wash.	PST	-22	-19	-16	-12	-8	-4	3	6	9	13	16	20	23	26	+6
Stockton, Cal.	PST	+44	+42	+39	+37	+34	+32	+29	+27	+25	+22	+20	+17	+15	+13	+7
Tacoma, Wash.	PST	+1	+3	+6	+10	+13	+17	+20	+23	+26	+29	+32	+35	+39	+42	+7
Tampa-St. Petersburg, Fla.	EST	+99	+91	+87	+80	+73	+66	+59	+52	+45	+38	+31	+24	+17	+11	+2
Washington, D. C.	EST	+39	+37	+36	+34	+32	+30	+28	+26	+24	+22	+20	+18	+16	+14	+1
Wilmington, Del.	EST	+29	+28	+27	+25	+24	+22	+21	+19	+18	+16	+15	+14	+12	+11	+1
Winnipeg, Manitoba	CST	+2	+7	+13	+19	+25	+30	+35	+40	+45	+50	+55	+60	+66	+71	+4

CLASSIFIED ADVERTISEMENTS

COINS JEWELRY and STAMPS

FREE! Big United States Stamp Catalog. Valuable guide and check list. Hundreds of illustrations; bargains, special offers, etc. Approvals. HARRISCO, 1001 Transit Bldg., Boston 17, Mass.

OLD STAMPS WANTED. I will pay \$100.00 each for 1924 1¢ green Franklin stamps, rotary perforated eleven (up to \$1000.00 each unused). Send 10c for large illustrated folders showing amazing prices paid for old stamps, coins, and collections. Baker — Stamps (O.F.-55), Elyria, Ohio.

HIGHEST CASH FOR OLD GOLD, Broken Jewelry, Gold Teeth, Watches, Diamonds, Silverware, Spectacles. **FREE** information. Satisfaction Guaranteed. Rose Refiners, Heyworth Bldg., Chicago 2.

WATCHES WANTED. Any condition. Also broken jewelry, spectacles, dental gold, diamonds, silver. Cash sent promptly. Mail articles. Satisfaction guaranteed. Lowe's, Holland Building, St. Louis 1, Mo.

GIGANTIC COLLECTION FREE. Includes Triangles — Early United States — Animals — Commemoratives — British Colonies — High Value Pictorials, etc. Complete collection plus Big Illustrated Magazine all free. Send 5c for postage. Gray Stamp Co., Dept. OF, Toronto, Canada.

COINS WANTED, give dates, enclose postage. Valuable Coin Guide 50c, refunded if you sell. We appraise coin and stamp collections. Coin Stamp Store, Rockford 50, Illinois.

EXCITING TREASURE HUNT! Cloth bag containing over 1,000 stamps from 30 countries — unpicked, unsorted just as received from foreign missionaries, banks, etc. Postpaid, guaranteed. Only \$1.00. HARRISCO, 1402 Transit Building, Boston 17, Mass.

REAL ESTATE

FARMS, HOMES, BUSINESS OPPORTUNITIES, LAND \$150. acre up. Near New York City. Exchanges! Request List. State wants. Paul Boughton, Realtor. 1½ Dolson, Middletown, N. Y.

OF INTEREST TO WOMEN

PART-TIME AT HOME. Women needed to sew ties and aprons. 3-5 hrs. per day. Good pay, work supplied. No experience necessary. JUD-SAN, 518 E. 105, Dept. A79, Cleveland, Ohio.

GOOD MONEY IN WEAVING. Weave rugs at home for neighbors on \$69.50 Union Loom. Thousands doing it. Booklet free. Union Looms, 16 Post St., Boonville, N. Y.

EASILY MAKE \$65 WEEK as Practical Nurse. Learn quickly at home. No high school necessary, no age limit. Write today for free booklet, lessons. Post Graduate Hospital School of Nursing, 68E5 Auditorium Bldg., Chicago, Ill.

HOME SEWERS! Pre-Cut Materials furnished. You sew and return. No Selling. Part, full time. RON-SON, Dept. FO55, 16351 Euclid, Cleveland 12, Ohio.

PERSONAL

FISHERMEN: Catch more fish! Use "Glo-All" Magic Fish Lure on any bait. Mail \$1. (Money Back Guarantee). Sterling, Dept. F-1, Great Neck 4, N. Y.

GARMENT BAGS — Giant Size (58" x 48"). Heavy-weight Plastic. 100% Moth and Vermin Proof. New! Not Seconds. Money Back Guarantee. 3 for \$1.00. Order now! Handicraft Mills, 304-OFA, East 32nd Street, New York.

HANDWRITING AND CHARACTER ANALYSIS. America's foremost graphologist offers character cameo \$1.00. Pocket size sign-booklet (\$1.00) has started thousands in wonderful profession. Also SELF-TAUGHT courses. Satisfaction guaranteed. Free Brochure. DeWitt Lucas, 2419 Sunset Boulevard, Los Angeles, California.

1000 BUSINESS CARDS, Riverside Vellum, 7 lines, Choice: Red-green-blue-brown-black ink, \$4.95, two colors \$5.95. RAINBOW'S END, 14026 Wallingford, Seattle 33, Washington.

BOOKS and LETTERS

STORY OF CONNECTICUT, 500 pages, 160 illustrations, \$3.15. Barkhausted Lighthouse Legend, 150 pages — illustrated. \$2.00. Magazine — Lure of Litchfield Hills — June & Dec., 3 years, \$2.00. Lewis S. Mills, 56 Broad St., East Hartford 8, Conn.

ELIJAH COMING Before Christ! World's next great event. Bible prophecies reveal the plan of God and meaning of present world conditions. Send for Wonderful Free Book. Dept. Y, MEGIDDO MISSION, Rochester 19, N. Y.

OBSERVATIONS OF UNCLE JEB

It's not the clothes you wear, or what kind of an auto you drive that counts—its the number of TV antennas on top of your house.

Turnpikes and airplanes save many valuable hours for busy executives to spend doing nothing.

Beware of the humble bee, nowadays he may sting you with DDT.

You can't run a farm today without a college education in balky carburetors.

Save a life today, it may be yours to waste on the highway.

Once you saved money at motels, now you save it in hotels.

There's only one thing worse—we've discovered—thau the current rash of boring beer commercials—that's the taste of the stuff itself.

The dignity of a senator seems to depend on how undignified he can get.

Believe all you read and hear these days and you'll find yourself either shaking hands with yourself or punching yourself in the nose.

The fastest disappearing dollars are those which fly away the moment you drive that new car around the block.

The only necessities of life not required by town poor today are firewood, gardens, walking shoes—which nobody would know respectively, where to burn, what to do with, or where to go on.

WANTED, BOOKS, PAMPHLETS and documents before 1860 on History, Children, Travels, California and The West. Also old accumulations of letters. Liberal cash prices paid. Your correspondence invited. Reliable references gladly furnished. Benjamin Tighe, 1 Hamilton St., Worcester, Mass.

HOME WORKERS—Jobs now available, \$20-\$50 weekly. No experience, no selling. Part or full time. Rush reply. Maxwell, 2103 Payne, Dept. ST5, Cleveland 14, Ohio

"DO-IT-YOURSELF" Make handsome gifts from leather. Start this fascinating hobby today. Leathercraft Catalog FREE! Send 2¢ postcard Box 3970F, TANDY LEATHER, Tulsa, Oklahoma.

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Turn waste materials into richest humus-fertilizer for garden and farm, quickly, easily at cost of only a few cents per ton . . . right in garden or field if desired! No compost heap necessary. Just sprinkle with **Activo**, scientific organic discovery containing billions of Nature's own micro-organisms, enzymes, blotics, hormones and vitamins. Send now for **FREE** bulletin, "How to Turn Sawdust Into Gold."

Use this natural **LIVING Activo** also in **chick litter** for Vitamin B₁₂ and blotic benefits . . . And use its enzyme-bacterial action for **SEPTIC TANKS** and **OUTDOOR TOILETS**. Literature gives other uses; detailed instructions.

At dealers, sizes \$1 to \$29.95. By mail: Garden trial size to treat 200-500 lbs. waste, \$1, ppd. Farm trial size, for 1 to 3 tons waste, \$5.95 p'pd. Money back if not completely satisfied.



BENSON-MACLEAN, Box 50, Bridgeton Indiana — \$1 size, p'pd.

I want to try Activo at your risk. **RUSH.** — \$5.95 size, p'pd.

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Postoffice _____ State _____

HURRICANE "CAROL"—AUGUST 31, 1954

After smashing into North Carolina on Sunday, August 29th, this second greatest New York-New England hurricane left the front pages of the newspapers for a rest at sea. As early as Monday morning at 5:30, however, weather authorities realised she was restless there and would in all probability strike in, and hard, for top billing. Hurricane warnings were up before breakfast the day of the big blow all the way from Eastport, Maine to Montauk Point. The only thing was she came in a lot faster than most believed she would, increasing her speed in the last 400 miles (Cape Hatteras to Long Island) from 4 to 60 miles per hour.

The so-called eye of the hurricane traveled over Riverhead, Long Island (roughly 10 A.M.), across the Sound to Westerly, Rhode Island. By 9:19 A. M. Falmouth, Cape Cod (on its outer ring), was getting a bad shelling and tidal waves. (Other points such as Norwalk, Bridgeport and New London did not get theirs until later in the afternoon.) Then—instead of becoming two pronged as did the hurricane of '38—one prong moving up the Connecticut Valley—the other towards Boston—this one made almost a bee-line for Worcester, Portsmouth, Portland, and Lewiston. Highest winds (93 mph with gusts up to 120) were recorded at the Blue Hill Observatory at around noon. The right hand, or easterly side of the eye—Rhode Island and Cape Cod—occasioned the most damage as the southeast gales roared into their exposed seacoast positions. Similarly, along the North Shore (Ipswich, Marblehead, Portsmouth and Portland), as the circular motion of the winds brought them around to offshore threats there (it was blowing from the Northeast most of the day in Southern New Hampshire), damage was comparatively greater than at points such as Springfield, Massachusetts, Brattleboro, Vermont and the Berkshires.

Summaries, after about 4 P.M., revealed perhaps 40 dead, 1500 injured, \$500,000,000 damage, 50,000 homes wrecked, 3000 boats lost, and 180,000 telephones out of order. In some places it seemed as if the 1954 hurricane was more severe than that of 1938. The tobacco, apple, peach, and corn crop, for example, had to some extent been harvested in '38. Maine and Boston's North Shore had been slightly more within the more peaceful eye of the storm that year. The 1938 damage was summarised at around 400 million compared with 500 million this year. However, deaths in 1938 reached nearly 600 . . . and wind gusts over 150 miles per hour. The steady high wind velocity of over 100 miles per hour in 1938 took a far greater toll of trees—the estimates for 1954 just barely topping \$2,000,000. In any event, most of New England was doing business as usual by Wednesday morning . . . whereas sixteen years before it was a question of weeks—and in some places months—before normalcy.

Of unusual damage, unquestionably the fall of the steeple of the Old North Church in Boston came in for the most comment. It was in this famous steeple that were hung the "One-by-day-two-by-night" lamps in 1775. And Hurricane Carol, just to show there was no partisanship in her predilections for the old, toppled WBZ-TV's brand new 700 foot steel tower.

We do not remember any arguments being settled in 1938. Carol apparently settled three this year. There had been a big fight on in Portland, Maine, when city authorities wished to fell some enormous elms to make room for parking meters. Injunctions and court actions brought by private citizens had saved the elms . . . but Carol, taking notice of official wounded feelings in the matter, tossed them out of the way without so much as a how-de-doo. In Newport, Rhode Island, there had been arguments among the members and directors of Newport's 1876 Casino. Some, despite its finest grass tennis courts in the world, were for abandoning the whole thing—or combining it with the beach or golf club. Others fought for the status quo—victorian or no. Carol settled this argument by leaving the place a shambles. George Woodbury at John Goffe's Mill in Bedford, New Hampshire, had a huge wooden mill wheel on his front lawn—perhaps a foot thick and four feet high. Unable to move it himself, it had become something of a family problem. Carol settled this argument between wheel and George by rolling it on its rim, mind you, some hundred yards across the lawn—and directly into its own original stand 'neath Goffe Falls.

One curious fact about Carol was that she didn't really hit Manhattan Island until 2:43 P.M.—and places like Bridgeport and New London until well after 3 P.M. When it is seen that Falmouth, Mass., was getting it at 9 A.M., Long Island at 10 A.M., Boston around noon, southern New Hampshire shortly after noon, the shape of this hurricane may be found to be, when all reports are in, something different than the straightline Riverhead-Worcester-Portland area at which the press is hinting as we go, somewhat belatedly, to press.

WOODCHOPPING RECORD

This is an item you will want to snip out and save. You won't find it again . . . and it will never happen again in this country.

In the Spring of 1878 wood choppers usually worked in pairs, one chopping left handed, the other right handed. At Baton Landing (Now Orleans), Orleans County, Vermont, in that year one woodchopping gang had in it two young men; Herbert Eaton (now 93 years of age and living in Westfield, Mass., and Varney Grover, a Frenchman. The former, all muscle and bone, six feet tall, swung a 4 lb. axe. The latter, shorter and heavier, used a 3 $\frac{3}{4}$ lb. axe. One night in the bunkhouse, a bet was made that this particular team could cut and pile ten cords of 4 foot wood in one day. The bet (\$10) was covered and the next morning the team started as soon as it was light. They took no rest periods and ate only what was handed them while they worked. They worked until dark. The next morning the official wood measurer announced that more than 10 cords of beech, yellow birch, and maple tops had been cut and piled by the two men. The Orleans County Monitor carried the story in 1879.

However, at that time, choppers received about one dollar a cord. Beefsteak was 10¢ a pound and if you bought two pounds the butcher gladly threw in $\frac{1}{2}$ lb. of liver for the cat.

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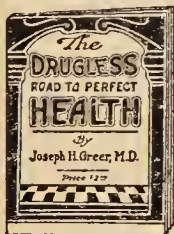
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Give Nature a Chance, YOU owe yourself this 250-page book. "THE DRUGLESS ROAD TO PERFECT HEALTH"

The author of this book claims that Lemon, Solt, Keraseno, Vinegar, Honey-Lord and Turpentine contain more curative virtue than all the drugs known to medical science. Why be sick? We Are What We Eat. Partial contents of book. Asthma, Catarrh, Cold, Corns, Mumps, Pneumonia, Digestion Appendicitis, Constipation, Rheumatism, Cancer, Toothache, Pain in Stomach, Piles, Ulcers, Diabetes, Send \$2 now. Tomorrow may be too late. Money back if not satisfied—if returned in 7 days. "Trust in the LORD." Prayer changes everything—try it.

"Seek ye the Lord"

P. O. Box 115-F.A. LIGHTNING SPEED BOOK CO. Streator, Illinois

ANSWERS TO OLD-FASHIONED PUZZLES PAGE 82

Anagrams

1. March-Charm. 2. Melons-lemons-solemn.

Conundrums

1. An heir loom. 2. a tapir. 3. a sur-prise. 4. A quail. 5. Slippers. 6. They are all ewers. 7. The post-man. 8. A conundrum.

ANSWERS TO CHARADES AND RIDDLES PAGE 80

- | | | |
|-----------------|-----------------|-----------|
| 1. Crabbed. | 3. Sole (Soul). | 5. Eye. |
| 2. Grasshopper. | 4. Negro. | 6. Start. |

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GOCART SHOP

856 Pleasant St., New Bedford, Mass.

Cypher Contest Winners

Winners of the contest an-
nounced on Page 110 of the 1954
Old Farmer's Almanac(k) are:

First Prize—\$25.00—to Mrs. Wal-
ter J. Shaw, Tansy Lane, Ipswich,
Mass. "Forewarned is forearmed,
they always told me."

Second Prize—\$15.00—to Alex P.
Archie, R.F.D. 1, Cohasset, Mass.

Third Prize—\$5.00—to Carrie E.
Irons, 86 Laurel St., Manchester,
Conn.

The cypher 73-AD3-1 referred to
Page 73, third advertisement, first
line.

For this year, the money goes
(1st, \$25.00—2nd, \$15.00—3rd, \$5.00)
for the best one line rhyme to the
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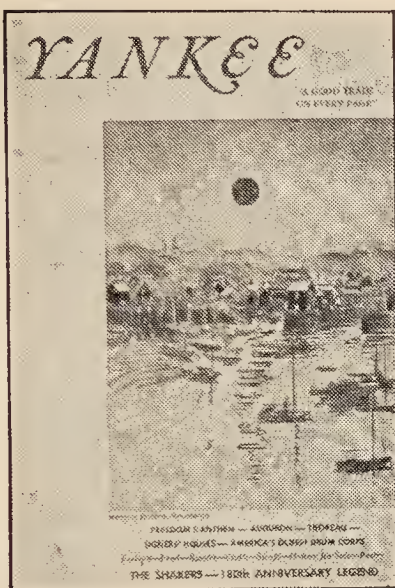
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“Pray tell me, sir,—where is everybody now?”

“Sh—sh—” whispered the porpoise. “Didn’t you know? Today is the first of the month—and that’s the day YANKEE comes out . . . so everybody stays home and reads it by the light of fires made out of burning their bills that come out this day, too. Then they rush out to try and be the first to tell their neighbors about this month’s wonderful YANKEE issue.”

So the little white mouse sat down on the curb and waited and waited and waited. Finally, in the afternoon she saw two people coming up the hill by hand springs—one beside the other—flippety-flop, flippety-flop. Between them was a huge grasshopper—turning the pages of YANKEE—first before the eyes of one flipper—then before those of the other flopper.

Amazed, the little white mouse turned to the porpoise again and said:

“But my dear cop, this whole town has gone nuts.”

“Sure and that is the truth,” he replied. “Not only this town but everybody—everywhere—has gone crazy about this YANKEE. And you’d be the same if you’d ever had a look at it.”

So the little white mouse ran all over town trying to buy a copy of YANKEE. But all of the dealers, of course, were sold out. She was so disappointed she went back to the ocean and swam all the way home again.

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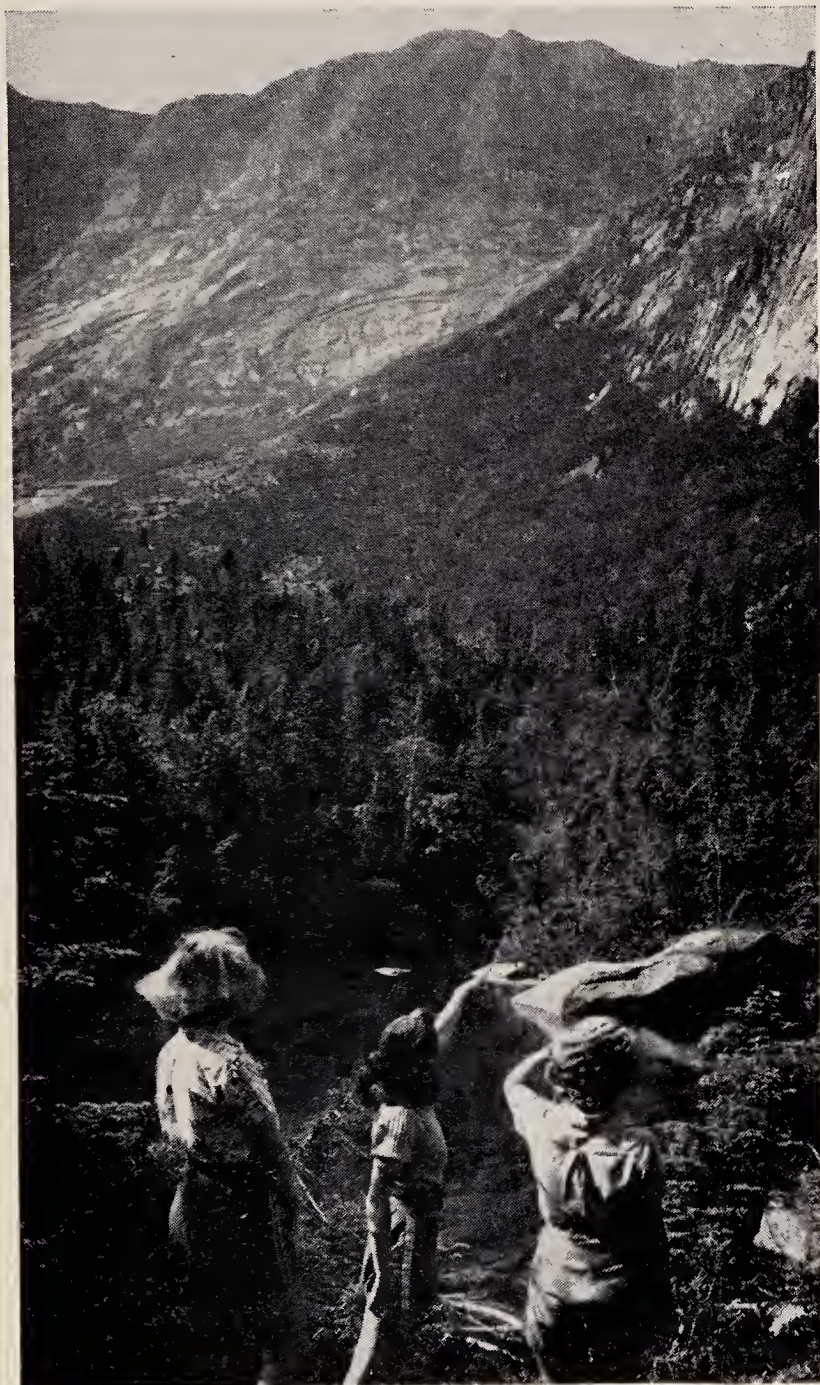
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