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1953

The 161st Continuous Year of Publication

No.
CLXI

SPRING.

SUMMER.

THE

OLD

FARMER'S

1953

ALMANAC

BY

ROBERT B. THOMAS



BENJAMIN FRANKLIN



ROBERT B. THOMAS

AUTUMN.

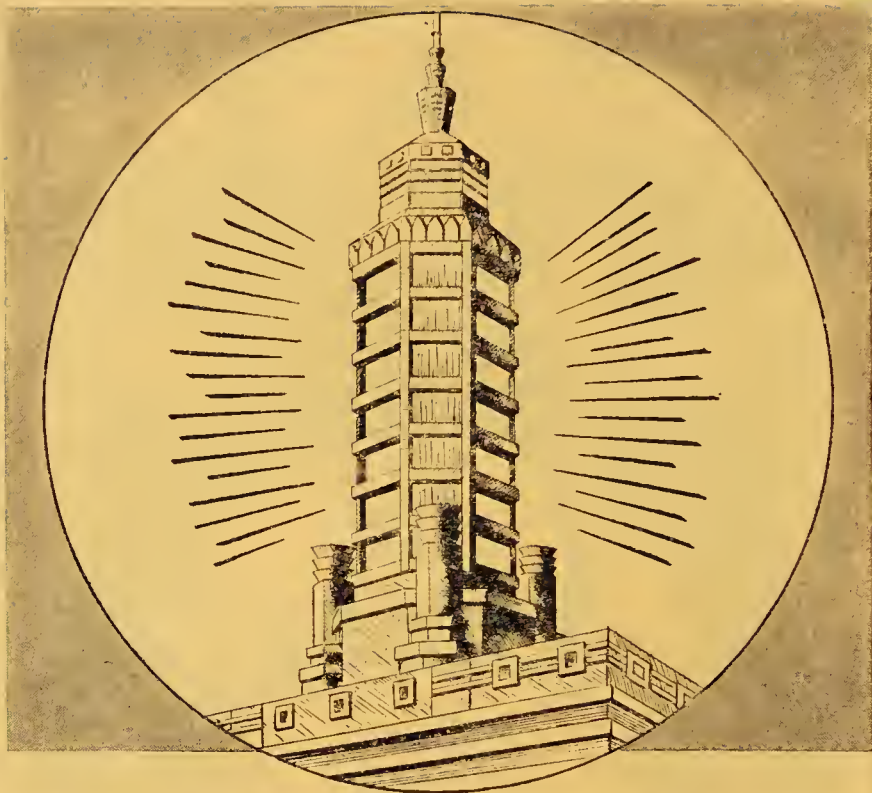
WINTER.

Nichols

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.



BOSTON'S WEATHER BEACON

If you are in the vicinity of Boston
If you are wondering about the weather
If an official forecast would help
Take a look at the lights in Hancock Tower.
They give you the latest forecast received
every six hours direct from the U. S. Weather Bureau.

To read the weather light forecast remember the weather light rhyme

BLUE

Steady blue, clear view
Flashing blue, clouds due

RED

Steady red, rains ahead
Flashing red, snow instead

John Hancock
MUTUAL LIFE INSURANCE COMPANY
BOSTON, MASSACHUSETTS

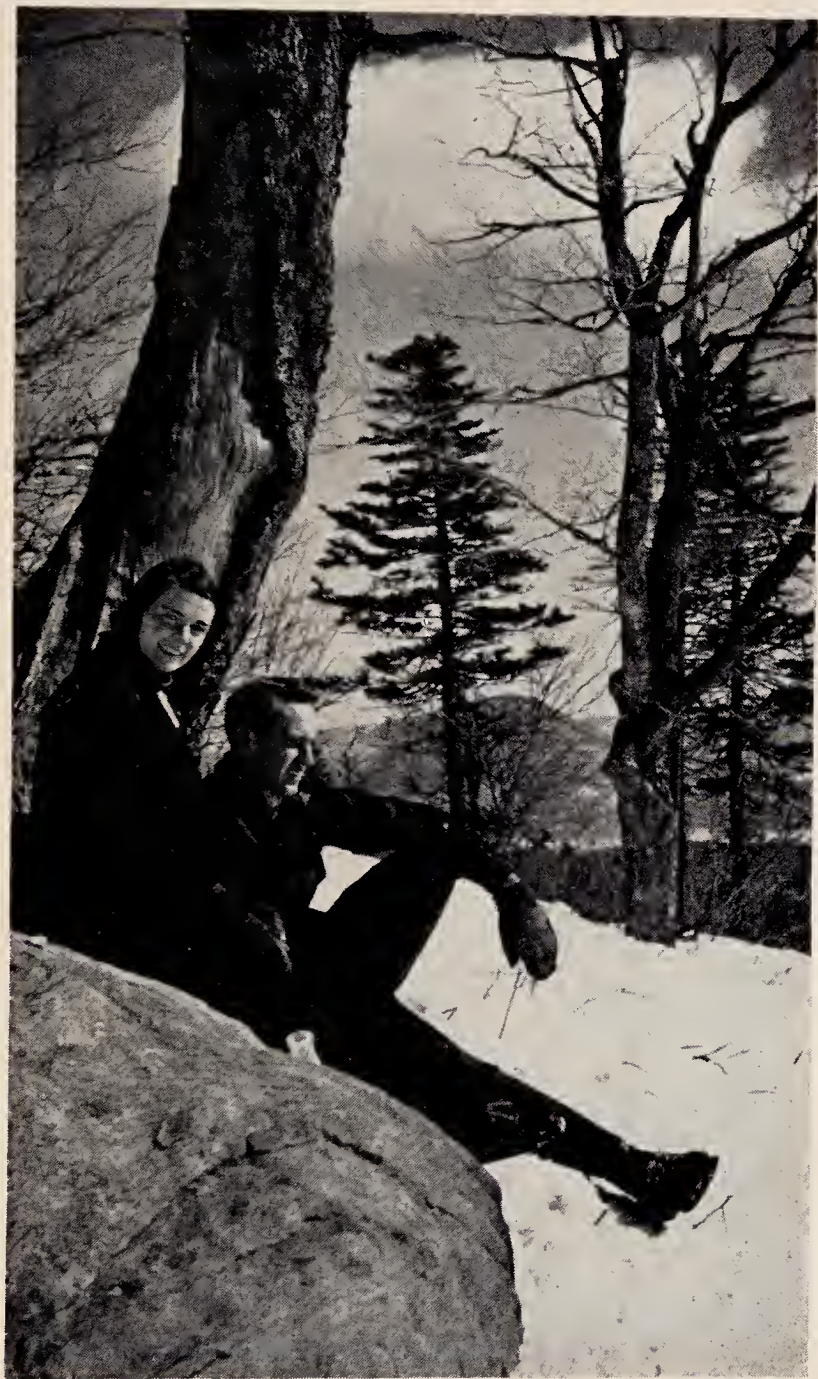


Photo by R. S.

MID-WINTER LUNCH HOUR.

High atop Mt. Bromley at Peru, Vermont a skiing couple relax to enjoy the view, the sun, and each other's company.



Tele-photo by R.S.

LUSHNESS OF SUMMER.

Summer has laid a lush carpet of many greens all around Mt. Monadnock in Southern New Hampshire, bejewelled with ponds and lakes. Mist is rising from Dublin Lake near base of mountain.



Photo by R.S.

OCEAN GRAB BAG.

Cape Cod fisherman on the outer beach from Provincetown to Orleans. Flounder was his catch this day.



Photo by R. Estes.

THE AMERICAN WAY.

Children of displaced persons learn the American three R's at the "distribution center" near Baldwinsville, Massachusetts.

Number One Hundred and Sixty-one.

THE
(OLD)
FARMER'S ALMANACK,

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

1953

Being 1st after BISSEXTILE or LEAP YEAR, and (until July 4)
177th 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.**



Dirty days has September,
April, June and November;
From January up to May,
The rain it raineth, every day;

All the rest have thirty-one,
Without a blessed gleam of sun;
And if any of them had two and thirty
They'd be just as wet and twice as dirty.

Old Maine Weather Verse

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ROBERT HAYNES, MRS. ALTON P. SWAN,
DR. EUGENE L. SWAN

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TO PATRONS & CORRESPONDENTS

This is the 161st consecutive annual edition of The Old Farmer's Almanac(k). It is for the year 1953, or Atomic Year 9. More copies have been printed than in any year of its long history. As these words are being printed we have, as a free people, elected a new President. We dedicate to him our full loyalty and support.

Even since a year ago, we have become more realistic in our attempts to contain—to cut down the size of war—rather to expect anything more of wholesale conflagration than destruction for all. In this, we have cause to be grateful.

On the other hand, it is time to call a halt to the entertainment of the one-world and space-world "probabilities and feasibilities" of the imaginative and scientific among us, unless and until constitutional and economic harnesses have been fitted to them. Balanced budgets, child education, employment, individual and national privacy and mutual respect are just some of the fronts which must be advanced, (and not allowed to become pockets through which we might lose all), at the same time that progress in the control of the weather (see page 75), of space ships (see page 76), of atomic power, and of other fields is made. Emotion and hallucination, beyond control of reason and practicality, were ever signs of the madness visited by God upon those He would destroy.

As in other years, David Morton (now a teacher of poetry to men and women in our Armed Forces) prepared the calendar page poetry; Benjamin M. Rice of Peterborough, New Hampshire, has written the Farm Calendars, and much else of the text; Loring Andrews, the astronomical matter; Abraham Weatherwise, the weather. Many governmental, quasi-public, and private sources have been drawn upon as well. Your particular attention is invited to a careful study of the many symbols and abbreviations and correction tables (see pages 11, 100-105) used in this Almanac(k). Fully understood, the nature of the knowledgeable universe in this year of our Lord, 1953, remains in our many thousands of calculations, within these pages—and your grasp.

Mrs. D. K., Albany, N. Y.: Request for free copies of this Almanac should always be accompanied by 25c. Mr. R. D., New York City: You are correct when you say the predictions of Woolly Bear Caterpillars and the noises of Pink Elephants are both but measures of urban alcoholism. Miss E. T., Conshohocken, Pa.: We would suggest the best way for you to keep bats from flying into your barn attic through the open window would be to close the window. Mrs. M. M., Houston, Texas: You will find nothing in this Almanac or elsewhere which will help you to understand modern painting or why your husband puts on his socks before he dons his undershirt. Mr. A. C., Bangor, Maine: Certainly not! On the other hand, marriages are like oysters in that you never can tell the bad ones until after they have been swallowed. D. G., Newark, N. J.: This Almanac was known as The Farmer's Almanac some years before the one you refer to began publication. The word "Old" was added to its title to distinguish it from imitations, the editors of which find no apparent advantage in similar distinguishing identification of their product.

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,

W. O. Thomas.

June 15, 1952

America's Finest



Full Quarts
32 ounces

Clickquot Club

PALE DRY GINGER ALE
GOLDEN GINGER ALE
SPARKLING WATER
COLA • ROOT BEER
VINEYARD PUNCH
LEMON AND LIME
ORANGE SODA
TOM COLLINS MIX
LIME RICKEY
BLACK CHERRY

ECLIPSES FOR THE YEAR 1953

There will be five eclipses during 1953, three of the Sun and two of the Moon, of which only the eclipses of the Moon on January 29 and July 26 will be visible from parts of the United States.

I. A Total Eclipse of the Moon, January 29, 1953. The beginning of the eclipse will be visible generally in Asia, the extreme northwestern part of Australia, the Indian Ocean, Europe, Africa, the Atlantic Ocean, Arctic regions, the northeastern part of North America and the eastern part of South America. The ending will be visible generally in western Asia, the western part of the Indian Ocean, Europe, Africa, the Arctic regions, Atlantic Ocean, North America except the extreme northwestern part, South America, and the southeastern part of the Pacific Ocean.

Observers in the eastern half of the United States alone will be able to see the total phase of the eclipse. For those living in the Eastern Standard Time belt the partial phase of the eclipse will be well underway as the moon rises and the total phase will begin shortly thereafter. Those who live in the Central Standard Time belt will see the eclipse in its total phase at the moon's rising. Observers in the western half of the United States will in general see only the partial phase of the eclipse, which will be in progress as the moon rises, and the ending of the eclipse.

The Moon enters the umbral shadow of the earth at 4:54 P.M. E.S.T. and is first total emersed in the shadow at 6:05 P.M. E.S.T. It begins to emerge from the shadow at 7:30 P.M. E.S.T. and is entirely outside the umbral shadow at 8:40 P.M. E.S.T. It draws clear of the penumbral shadow about an hour later, at 9:55 P.M. E.S.T.

II. A Partial Eclipse of the Sun, February 13, 1952. This eclipse will be visible only from points in the Orient, Alaska, and the western portion of the Pacific Ocean. At the time of greatest eclipse 76% of the Sun's diameter will be covered by the Moon.

III. A Partial Eclipse of the Sun, July 10, 1953. Visibility of this eclipse is restricted generally to points in the Arctic Region. The southernmost point of visibility of the eclipse is extreme northwestern Canada and that only a small fragment of the Sun's diameter will be covered and then just at sunset.

IV. A Total Eclipse of the Moon, July 26, 1953. The beginning of this eclipse will be visible generally in North America except the eastern and northeastern parts, South America except the eastern part, Antarctica, the Pacific Ocean, Australia, and the extreme northeastern part of Asia. The ending of the eclipse will be visible generally in the Pacific Ocean except the eastern part, the northwestern tip of North America, Australia, Antarctica, the Indian Ocean and the eastern and central parts of Asia.

Observers in the Mountain Standard Time belt of the United States will generally be able to see the Moon enter the Earth's umbral shadow and to follow the partial phases of the eclipse to the start of the total phase which will be beginning just as the Moon sets. Observers in the Pacific Standard Time belt will have better luck, in that they will be able to observe the first hour approximately of the total phase of the eclipse before the Moon sets.

V. A Partial Eclipse of the Sun, August 9, 1953. This eclipse will be visible only from points in the southeastern portion of the Pacific Ocean and the southern tip of South America.

OCCULTATIONS, 1953

There will be no occultations of stars or planets worthy of note to naked eye observers during 1953.

EARTH IN PERIHELION AND APHELION, 1953

The Earth will be in Perihelion on January 2, 1 A.M., distant from the Sun 91,314,000 miles. The Earth will be in Aphelion on July 9, 1 P.M., distant from the Sun 94,418,000 miles.

VENUS, MARS, JUPITER AND SATURN, 1953.

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.

1953		VENUS		Key	MARS		Key	JUPITER		Key	SATURN		Key
		h m			h m			h m			h m		
JANUARY	1st	sets	8 04 P.M.	F	sets	8 34 P.M.	F	sets	2 34 A.M.	L	rises	1 08 A.M.	K
	"	11th	" 8 25 P.M.	G	"	" 8 35 P.M.	G	"	" 1 55 A.M.	L	"	" 13 31 A.M.	K
	"	21st	" 8 43 P.M.	H	"	" 8 36 P.M.	H	"	" 1 18 A.M.	L	"	" 11 50 P.M.	K
FEBRUARY	1st	sets	9 00 P.M.	I	sets	8 36 P.M.	H	sets	12 38 A.M.	L	rises	11 07 P.M.	K
	"	11th	" 9 12 P.M.	J	"	" 8 35 P.M.	I	"	" 12 04 A.M.	L	"	" 10 28 P.M.	K
	"	21st	" 9 20 P.M.	K	"	" 8 35 P.M.	J	"	" 11 29 P.M.	L	"	" 9 47 P.M.	K
MARCH	1st	sets	9 21 P.M.	L	sets	8 34 P.M.	J	sets	11 04 P.M.	M	rises	9 14 P.M.	K
	"	11th	" 9 13 P.M.	M	"	" 8 33 P.M.	K	"	" 10 33 P.M.	M	"	" 8 33 P.M.	K
	"	21st	" 8 48 P.M.	M	"	" 8 32 P.M.	L	"	" 10 03 P.M.	M	"	" 7 50 P.M.	K
APRIL	1st	sets	7 56 P.M.	M	sets	8 30 P.M.	L	sets	9 32 P.M.	M	rises	7 03 P.M.	K
	"	11th	sets 6 51 P.M.	M	"	" 8 29 P.M.	M	"	" 9 03 P.M.	M	rises	6 20 P.M.	K
	"	21st	rises 3 58 A.M.	F	"	" 8 26 P.M.	M	"	" 8 35 P.M.	M	sets	4 68 A.M.	G
MAY	1st	rises	3 24 A.M.	G	sets	8 23 P.M.	N	sets	8 08 P.M.	N	sets	4 17 A.M.	H
	"	11th	" 2 57 A.M.	G	"	" 8 20 P.M.	N	"	" 7 40 P.M.	N	"	" 3 36 A.M.	H
	"	21st	" 2 34 A.M.	G	"	" 8 14 P.M.	O	sets	7 13 P.M.	N	"	" 2 55 A.M.	H
JUNE	1st	rises	2 14 A.M.	G	sets	8 07 P.M.	O	rises	3 56 A.M.	D	sets	2 10 A.M.	H
	"	11th	" 1 58 A.M.	G	"	" 7 59 P.M.	O	"	" 3 25 A.M.	D	"	" 1 30 A.M.	H
	"	21st	" 1 44 A.M.	F	"	" 7 48 P.M.	O	"	" 2 54 A.M.	D	"	" 12 50 A.M.	H
JULY	1st	rises	1 33 A.M.	E	sets	7 36 P.M.	O	rises	2 22 A.M.	D	sets	12 11 A.M.	H
	"	11th	" 1 26 A.M.	E	rises	4 11 A.M.	C	"	" 1 52 A.M.	D	"	" 11 28 P.M.	H
	"	21st	" 1 23 A.M.	D	"	" 4 04 A.M.	D	"	" 1 19 A.M.	D	"	" 10 49 P.M.	H
AUGUST	1st	rises	1 25 A.M.	D	rises	3 57 A.M.	D	rises	12 44 A.M.	C	sets	10 07 P.M.	H
	"	11th	" 1 33 A.M.	D	"	" 3 51 A.M.	D	"	" 12 09 A.M.	C	"	" 9 29 P.M.	G
	"	21st	" 1 46 A.M.	D	"	" 3 45 A.M.	E	"	" 11 36 P.M.	C	"	" 8 52 P.M.	G
SEPTEMBER	1st	rises	2 05 A.M.	D	rises	3 29 A.M.	F	rises	10 59 P.M.	C	sets	8 11 P.M.	G
	"	11th	" 2 25 A.M.	E	"	" 3 32 A.M.	F	"	" 10 24 P.M.	C	"	" 7 34 P.M.	G
	"	21st	" 2 47 A.M.	F	"	" 3 26 A.M.	G	"	" 9 48 P.M.	C	"	" 6 57 P.M.	G
OCTOBER	1st	rises	3 10 A.M.	G	rises	3 19 A.M.	G	rises	9-12 P.M.	C	sets	6 20 P.M.	G
	"	11th	" 3 34 A.M.	H	"	" 3 12 A.M.	H	"	" 8 33 P.M.	C	"	" 7 44 P.M.	G
	"	21st	" 3 57 A.M.	I	"	" 3 05 A.M.	H	"	" 7 54 P.M.	C	"	" 7 08 P.M.	G
NOVEMBER	1st	rises	4 24 A.M.	J	rises	2 57 A.M.	I	rises	7 09 P.M.	C	rises	5 35 A.M.	K
	"	11th	" 4 49 A.M.	K	"	" 2 49 A.M.	I	"	" 6 26 P.M.	C	"	" 5 01 A.M.	K
	"	21st	" 5 14 A.M.	L	"	" 2 41 A.M.	J	"	" 5 43 P.M.	C	"	" 4 28 A.M.	K
DECEMBER	1st	rises	5 40 A.M.	M	rises	2 33 A.M.	J	rises	4 58 P.M.	C	rises	3 54 A.M.	L
	"	11th	" 6 05 A.M.	N	"	" 2 25 A.M.	K	rises	4 13 P.M.	C	"	" 3 20 A.M.	L
	"	21st	" 6 28 A.M.	O	"	" 2 17 A.M.	K	sets	6 37 A.M.	C	"	" 2 45 A.M.	L
	"	31st	rises 6 45 A.M.	O	rises	2 08 A.M.	L	sets	5 52 A.M.	C	rises	2 10 A.M.	L

MORNING AND EVENING STARS, 1953

(Also see Page 75)

(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. More precisely, it is a Morning Star when it is less than 180° west of the Sun in right ascension and Evening Star when it is less than 180° east. When the Planet is near conjunction or opposition, the distinction is unimportant.)

Mercury will be favorably situated for being seen as an Evening Star when near its greatest eastern elongations about March 2, June 27 and October 23. On these dates it will set 1 h. 48 m., 1 h. 28 m., and 0 h. 50 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations about April 15, August 13 and December 1, on which dates it will rise 0 h. 48 m., 1 h. 30 m., and 1 h. 46 m., respectively, before sunrise.

Venus will grace the western sky as an Evening Star from the beginning of the year until it comes to conjunction on April 13. During this period it will reach its greatest brilliancy on March 8. From April 13 until the year's end, Venus will be a Morning Star, at its greatest brilliancy on May 19.

Mars too is an Evening Star at the year's beginning and remains so until it reaches conjunction on July 8. Thereafter it may be seen in the eastern sky before sunrise as a Morning Star for the rest of the year.

Jupiter joins Mars and Venus as an Evening Star during the first part of the year until it reaches conjunction on May 24. Thereafter it is a Morning Star until coming to opposition on December 13, whereupon it returns to the eastern sky after sunset as an Evening Star for the remainder of the year.

Saturn is a Morning Star until April 14 when it reaches opposition and a Morning Star again from conjunction on October 23 until the year's end. It is an Evening Star in the interim period from April 14 to October 23.

1952

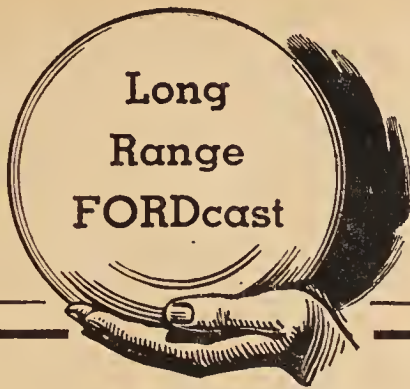
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1953

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1954

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10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	11	12	13	14	15	16	17				
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	18	19	20	21	22	23	24				
24	25	26	27	28	29	30	28	-	-	-	-	-	-	28	29	30	31	-	-	-	25	26	27	28	29	30	-				
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAY.							JUNE.							JULY.							AUGUST.										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
-	-	-	-	-	-	1	-	-	1	2	3	4	5	-	-	-	-	1	2	3	1	2	3	4	5	6	7				
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14				
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21				
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28				
23	24	25	26	27	28	29	27	28	29	30	-	-	-	25	26	27	28	29	30	31	29	30	31	-	-	-	-				
30	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
-	-	-	1	2	3	4	-	-	-	-	1	2	3	-	1	2	3	4	5	6	-	-	-	-	1	2	3	4			
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11				
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18				
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25				
26	27	28	29	30	-	-	24	25	26	27	28	29	30	28	29	30	-	-	-	-	26	27	28	29	30	31	-				
-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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LAST WINTER'S WEATHER

(Nov. and Dec. 1951—Jan., Feb. and March 1952)

The forecast of last winter's weather by Abe Weatherwise even by Abe's own standards was one of the most successful he has made in many years. "Stormy" was his general overall description of the five month period. And certainly there were enough storms in sufficient variety to satisfy even the most demanding. In his month by month breakdown, November, by the records of the Blue Hill Observatory, was well nigh perfect. The first two weeks of December were not as cold as he had anticipated. But there was no lack of wind (northwesterly) or precipitation during the month. In fact from the 13th on, (18 days) the wind did blow from the northwest or west. The January thaw came in the last week, and for the "fair" week of January 11-18, he was about half right. The groundhog saw his shadow in most places, February 2nd. It was cold during the week of the 10th to the 17th—and Abe's "blizzard up to your gizzard" came right in on schedule . . . the "other barrel" of it nearly ruining Cape Cod. March did not show up as well as the rest of Abe's months but was not too far away to be inconsistent with what actually did happen.

The winter was marked by storms and floods of great intensity throughout the country and was particularly remarkable in that New York City and other places along the coast were singularly lucky in escaping storms which were assuredly headed in their direction . . . but, at the last minute, turned away. As U. S. Weather Bureau men can testify, forecasting at these spots last winter was no job for a nervous woman. Their short term forecasts in these areas should be the cause for great congratulations—and subsequent raises in pay.

NEXT WINTER'S WEATHER

(Nov. and Dec. 1952—Jan., Feb. and March 1953)

"SWINKFUL AND HEAVY-TIMED"

(with a violent storm in March)

NOVEMBER, 1952. Starts off cold and stays that way for ten days. May snow come from the 10th to the 15th and all the rest of the month will bring an unusual number of storms—chiefly rain.

DECEMBER, 1952. The first two weeks of December will bring about as bad weather as you'll ever want to see for that time of year. But the last two weeks will moderate some and on Christmas Day there will be more bare than snow covered lawns.

JANUARY, 1953. The January thaw will fall this year between the 22nd and 28th in an otherwise normal month. Colder the first two weeks than the last with most of the snow falling between the 10th and 22nd.

FEBRUARY, 1953. Groundhog will see his shadow in most places on February 2nd meaning, once again, a long cold, wet spring will follow. The month will bring plenty of snow and cold weather except possibly from the 20th to the 27th when it will be comparatively mild.

MARCH, 1953. A rainy and stormy month which will conclude the winter's many and various average storms perhaps with one "whopper" falling in the week of the 15th to the 22nd. Then it will storm some more.

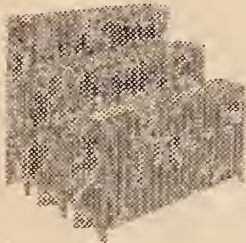
HOLIDAY WEEKENDS

Only Labor Day, September 7 (which falls on Monday) and Christmas, (on Friday) are long weekend vacations in 1953. The weather will be fair on both. Thanksgiving (on Thursday) November 26th will be stormy, 4th of July (Saturday) rainy, Memorial Day (Saturday), May 30th and Washington's Birthday, (Sunday) February 22nd will both be overcast.

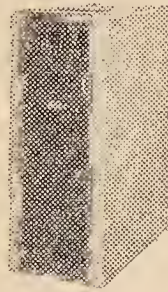


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HOW TO USE THIS ALMANAC

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 1953: 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 of the left hand pages. 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: ♂♂☉ on page 13 opposite Jan. 6 means Mars and the Sun are on that day in opposition.

1. Names and Characters of the Principal Planets.

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

2. Names and Characters of the Aspects.

♁ Conjunction, or in the same degree.	♁ Dragon's Head, or Ascending Node.
☐ 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 1953.

Golden Number 16	Solar Cycle 21	Roman Indiction 6
Epact 14	Dominical Letter D	Year of Julian Period 6666

Movable Feasts and Fasts for 1953.

Septuagesima Sun. Feb. 1	Good Friday Apr. 3	Whitsunday May 24
Shrove Sunday Feb. 15	Easter Sunday Apr. 5	Trinity Sunday May 31
Ash Wednesday Feb. 18	Low Sunday Apr. 12	Corpus Christi June 4
1st Sun. in Lent Feb. 22	Rogation Sun. May 10	1st Sunday in Advent Nov. 29
Palm Sunday Mar. 29	Ascension Day May 14	

THE SEASONS, 1953

Eastern Standard Time

Winter Solstice (Winter, 1952),	December 21, 4.44 P.M.—Sun enters Capricornus, ♑
Vernal Equinox (Spring, 1953),	March 20, 5.01 P.M. — “ “ Aries, ♈
Summer Solstice (Summer),	June 21, 12.00 Noon — “ “ Cancer, ♋
Autumnal Equinox (Autumn),	September 23, 3.07 A.M.— “ “ Libra, ♎
Winter Solstice (Winter),	December 21, 10.32 P.M.— “ “ Capricornus, ♑

STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 26, deduct it Sept. 27 for Daylight Saving Time

1953]

JANUARY, FIRST MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	22s.59	7	22 21	13	21 27	19	20 18	25	18 55	2	22 54	8	22 13	14	21 16	20	20 05	26	18 40	3	22 48	9	22 05	15	21 05	21	19 51	27	18 24	4	22 42	10	21 56	16	20 54	22	19 38	28	18 09	5	22 36	11	21 47	17	20 42	23	19 24	29	17 53	6	22 29	12	21 37	18	20 30	24	19 09	30

☾ Last Quarter, 8th day, 5 h. 09 m., morning, W.

● New Moon, 15th day, 9 h. 08 m., morning, E.

☽ First Quarter, 22nd day, 12 h. 43 m., morning, W.

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

JANUARY hath 31 days.

[1953



The time's delight, and mine,
Is the precisely dated
Angle and curve and shine,
And the day's idiom dated
Now, by the living tongue
Set to the breathing lung.

The time, that touches, once,
This temporary town,
And I, a man who hunts
His happiness up and down—
We look, we listen how
Sweet is our native Now.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Circumcision. Tides {10.2	<p>This is the philosopher's month—good for pipe smoking in the Boston rocker—excellent for feet warming. Ma's activities will be about the same as usual, likely stepped up some—you being under foot or sick-a-bed from house draughts.</p> <p>But if you have figured out your taxes and how to pay them, then you may relax and think backwards and forwards on this farm business of yours. You may ponder the days when you and your Dad and your brothers did all the milking by hand, when there was no such thing as electric milkers, hay balers, and a bubbler for each cow—when soil analysis, contour ploughing, crop rotation, and county agents were just new-fangled ideas (or not ideas yet)—when your horses or your oxen pulled your machines—when you had a lot of sheep and a collie to drive them—when you had strong sons growing up to help you and sturdy daughters who would some day raise their own farm families.</p> <p>You will reflect your sons didn't stay on the farm because all the new machinery you got sort of took their places. Maybe they did better off the farm—maybe they didn't—but anyhow you didn't lack too much for help, and you've been turning out two or three times the crops and milk with less labor than in the old days. Things are pretty good with you, though there is an ache behind it—your farm as a family unit is gone forever.</p>
2	Fr.	⊕ in Peri Days have lengthened one cock's stride {8.8	
3	Sa.	[4th ♀ in ☽ in Apo.] {8.8	
4	D	2d S. a. Chris. Holy name {9.7	
5	M.	∪ Stat. Take down in R.A. Xmas greens {8.8	
6	Tu.	Epiph. ♂ ♂ ☉ on Eq. {8.7	
7	W.	E. Mass. & N.H. Cattle quake 1925 need salt {8.6	
8	Th.	♁ ♀ ☉ Galileo Hol. died 1642 La. {8.7	
9	Fr.	♁ ♀ ☉ Bklyn. tornado 1889 Tides {7.9	
10	Sa.	Carlson's "Enterprise" sank 1952 {9.0	
11	D	1st S. a. Ep. Frisco City of {7.7	
12	M.	Plough Monday 1952 Stalled {9.3	
13	Tu.	☾ rides low. [14th ♀ in Aph] {9.7	
14	W.	St. Hil. ☐ ♀ ☉ ☽ ☽ {10.2	
15	Th.	As the days lengthen the cold strengthens {11.1	
16	Fr.	☾ in Peri Hoax of the bottle 1749 Tides {9.6	
17	Sa.	☐ ♀ ☉ ☽ ☽ Tides {11.3	
18	D	2d S. a. Ep. ☽ ☽ ☾ {10.0	
19	M.	☾ on Eq. [18th ♀ ☽] Hol. south {10.3	
20	Tu.	INAUGURAL DAY Tides {10.5	
21	W.	Soldiers of Liberty Feast Boston 1793 {10.8	
22	Th.	♁ ♀ ☾ Underground Moon Tides {9.6	
23	Fr.	Battle of Apparitions in the Air 1642 {8.4	
24	Sa.	♀ in ☽ [25th ♀ Stat. in R.A.] {9.6	
25	D	3d S. a. Ep. ☾ runs high. {8.0	
26	M.	Spanish Loyalists Surr. 1939 {9.6	
27	Tu.	♁ ♂ ☾ Audubon died 1851 Tides {8.0	
28	W.	City of Boston left Halifax 1870 Tides {9.7	
29	Th.	☾ Total Eclipse in R.A. Wolf Moon Tides {8.4	
30	Fr.	F.D.R.'s Aurora Bor. day 1st. eng. rec. Ky., W.Va. {9.8	
31	Sa.	♀ Gr. El. 1560 E. {8.9	

1953]

FEBRUARY, SECOND MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days		Days.		Days.		Days.		Days.		Days.	
	0	'	0	'	0	'	0	'	0	'	0	'
1	17s.	02	7	15 15	13	13 17	19	11 12	25		9	01
2	16	45	8	14 56	14	12 57	20	10 51	26		8	39
3	16	28	9	14 36	15	12 36	21	10 29	27		8	16
4	16	10	10	14 17	16	12 16	22	10 07	28		7	53
5	15	52	11	13 57	17	11 55	23	9 45				
6	15	33	12	13 37	18	11 34	24	9 23				

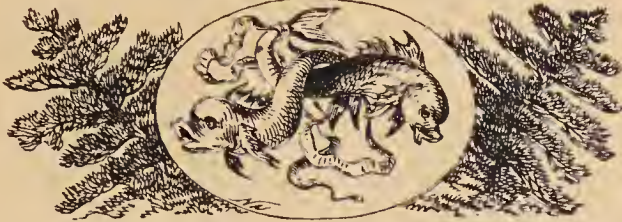
- ☾ Last Quarter, 6th day, 11 h. 09 m., evening, W.
- New Moon, 13th day, 8 h. 10 m., evening, E.
- ☽ First Quarter, 20th day, 12 h. 44 m., evening, E.
- Full Moon, 28th day, 1 h. 59 m., evening, E.

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

FEBRUARY hath 28 days.

[1953



Walk the winter evening, slowly,
Take its cold into the bone,
Be of the winter wintry, wholly.
You will be less man alone.

Take the frozen pond for mind,
Take, for heart, the field in frost,
Stubble and gray, at rest and blind,
Losing all, and itself, lost.

Be of the winter's kind and kin,
With a short season's tryst to keep,
Knowing how it has always been
With pond and field and heart and mind
And all the winter's kith and kind,
The other side of sleep.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	Sept. S. ☐ ♃ ☉ ☾ in {9.0 Purif. ♁ ♀ ☽ Sup. Apo. {9.6	Sleigh bells
2	M.	Mary Gr. Hel. Income tax {9.1 Lat. S. amend. 1913 {9.1	now
3	Tu.	American Episcopal Church founded 1887 Tides {9.1	ring
4	W.	♁ ♀ ☾ ☽ ☾ ☽ Stat. in R.A. {8.7	but
5	Th.	King George Arbor VI died 1952 Day Ariz. {9.0	skiing's
6	Fr.	Shoes rationed 1943 Tides {9.0	the
7	Sa.	1943 Tides {9.1	thing.
8	D	Serag. S. Tides {9.1	Mild.
9	M.	rides Japs left Guadalcanal '43 {9.3	Why
10	Tu.	♁ ♁ ☽ Normandy capsized 1942 {8.3	shovel
11	W.	The tragic Yalta Conference of 1945 Tides {10.2	and
12	Th.	LINCOLN'S BIRTHDAY Tides {9.6	sweep
13	Fr.	Partial Eclipse Geese are laying {11.2	just
14	Sa.	St. Val. ♁ ♀ ☾ ☾ in Peri. Hol. Ariz. {10.7	roll
15	D	Quin. S. ☾ ☾ ☽ in Shrove Eq. Sun. {11.5	out the
16	M.	♁ ♁ ☽ Quite a blizzard '52 {11.0	jeep.
17	Tu.	Shrove Tu. ♁ ♀ ☾ Tides {11.1	10.9
18	W.	Ash Wed. Fast day Tides {10.9	10.5
19	Th.	♁ ♃ ☾ Auld Deer worst of the year Tides {9.4	Rime
20	Fr.	Women admitted Fast to Bar 1879 day {10.1	this
21	Sa.	[22 nd ♀ in ☽ ☾ runs high] {9.6	time,
22	D	1st S. L. Wash. Bthday Tides {9.2	then
23	M.	♁ ☽ ☾ 16 ft. tide at Boston 1723 {9.0	clouds
24	Tu.	St. Matthias Tides {9.0	lose
25	W.	Fast Ember Days Day 25, 27, 28th Tides {8.2	their
26	Th.	Dinoflagellates turned Florida tides red 1950 Tides {9.2	9.4
27	Fr.	in ♀ in Fast Day Tides {9.4	shrouds.
28	Sa.	♁ Peri Elliott dest. Thurrott 1760 {9.1	

Shrimps or any raw fish for breakfast will help that had "morning after".

You have probably taken note this time of year in checking over your tools and farm implements that a good many things seemed missing. Allowing for the natural wearing out of things or the misplacing of them, there will probably still be quite a few that will just seem to have "walked off." Well then, why not do something about it—right now when you have the time? Spend a few dollars and get a branding iron (better with your name than initials) and brand every wooden handle or machine on the place. Make yourself a lockup for what you can't brand—chains, certain tools, and your good rope.

Likely you do have fire and theft insurance — probably with a clause that says you don't collect on any loss less than \$50.00. Maybe you can add up to more than \$50.00 the stuff you are missing, but have you reasonable proof that these things were stolen? Granted that your insurance company might honor this claim this time, such constant, vague small loss claims won't go down with them many times. Of course it is a very different matter where you have clear-cut losses due to an obvious theft or fire.

Besides insurance, then, for protection look to the branding iron, a lock that is sound, a place for everything, a list of the things in their places (so far as you can), and a frequent check-up by the master. Can be done.

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MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	7s. 31	7	5 12	13	2 ^o 51	19	0 29	25	1 53	2	7 08	8	4 49	14	2 27	20	0s. 05	26	2 17	3	6 45	9	4 25	15	2 04	21	0N. 19	27	2 40	4	6 22	10	4 02	16	1 40	22	0 42	28	3 04	5	5 59	11	3 38	17	1 16	23	1 06	29	3 27	6	5 35	12	3 15	18	0 52	24	1 30	30

☾ Last Quarter, 8th day, 1 h. 26 m., evening, E.

● New Moon, 15th day, 6 h. 05 m., morning, W.

☽ First Quarter, 22nd day, 3 h. 10 m., morning, E.

○ Full Moon, 30th day, 7 h. 55 m., morning, E.

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

MARCH hath 31 days.

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Who opened the dread gale's enormous door
 And let him out? . . .
 And later were surprised to hear the roar
 Diminish to a shout,
 And dwindle to a whine that might have been
 The sick hound coming home, and let him in?

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	2nd S. I. PURIM (on Hol. Eq. '9.4	<p>This is the month that puts the "whether" in the weather prediction. For March is neither winter nor spring and fair weather or foul are about as predictable as March hares. So with the weather man it's just a matter of guessing whether it 'twill or whether it 'twont—or whether he consults the Old Farmer's Almanac.</p> <p>As the snow leaves the fields and the brushy woodlands, fire hazards increase and will until well into April or May. Fire hazard is gauged professionally by the amount of drying out of woodlands at a given day, the amount of humidity then, the amounts of wind, sun, and humidity expected immediately. And it depends, too, upon the number of fools along the highways—and soon along our streams—who knock the dottle out of their pipes or throw their matches and cigarettes away anywhere—or burn their rubbish in a high, dry wind. The stories of our great fires have become almost legendary—for we like to make our legends overnight, forgetting how real the stuff they were made of is for us today, such as the fool, the match, the tinder-box.</p> <p>It is well, now, to get at your ploughing and your fertilizing as soon as possible. But go by the season and not by the calendar. If you plan to use bulldozers or other heavy machinery for clearing out walls or pastures, better put it off for another month at least.</p>
2	M.	Carroll Swan Gr. El. Hol. (9.3	
3	Tu.	Iceberg Patrol starts out Tides {9.4 9.2	
4	W.	♁ΨC ♃C Tides {8.5 9.0	
5	Th.	The Ides begin beware of Tides {9.5 8.7	
6	Fr.	Old Colind Tides {9.5 8.4	
7	Sa.	♀ Greatest brilliancy begins Sugaring R.A. (rides {8.4 8.1	
8	D	3rd S. I. ♀ Stat in R.A. (low {9.3 7.9	
9	M.	♁ Gr. Hel. Dr. Sanders acquitted 1950 Tides {9.3 7.9	
10	Tu.	Boston firemen get first pay checks 1739 Tides {9.4 8.2	
11	W.	J. Appleseed died 1847 Great blizzards Tides {9.8 8.8	
12	Th.	St. Gregory of 1888 and 1939 Tides {10.2 9.5	
13	Fr.	Uranus Disc. 1831 Tides {10.7 10.2	
14	Sa.	♁ in Taxes due [15th Hol. Tenn.] (Eq. {11.1 10.8	
15	D	4th S. I. ♁♀♁♁ on Eq. {10.3 11.3	
16	M.	[17th ♁♁♁ ♁♀♁♁] {11.8 out	
17	Tu.	St. Patrick Day equals night Tides {11.5 11.0	
18	W.	♁ ♁ ♁ Inf. ♁ in ♁♁ {11.4 10.6	
19	Th.	St. Joseph's Day ♁ ♁ C Tides {11.1 9.8	
20	Fr.	Spring begins 5.01 p.m. ♁ en-♀ ters {10.6 9.1	
21	Sa.	♀ Gr. Hel. ♀ Stat. (runs in R.A. high) {10.0 8.4	
22	D	Pa. S. h Gr. Hel. ♁ in R.A. (Stat. in R.A.) {9.4 7.9	
23	M.	♁♁♁ Oysters spawn on full tides now Tides {8.9 7.7	
24	Tu.	The bull market began in 1928 Tides {8.7 7.7	
25	W.	Annunc. Lady Day Tides {8.0 8.6	
26	Th.	Nat. Bowditch born 1773 Tides {8.7 8.3	
27	Fr.	♁ in Apo. Seven sorrows on Cincinnati riots 1884 Tides {8.8 8.7 9.0 9.0	
28	Sa.	♁ Eq. Scott perished '12 {9.1 9.3	
29	D	Palm S. Stat. Eiffel Tower open 1889 {9.1 9.5	
30	M.	♀ in R.A. First day Passover ♁ΨC ♃C {9.1 —	
31	Tu.		

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APRIL, FOURTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
		1	4N.37	7	6 54	13	9 08	19	11 14	25	13 15	31	15 00	1	2 00	7
	2	5 00	8	7 16	14	9 28	20	11 35	26	13 34	3	4 31	9	7 39	15	9 50
	3	5 23	9	7 39	15	9 50	21	11 55	27	13 53	4	5 46	10	8 01	16	10 11
	4	5 46	10	8 01	16	10 11	22	12 15	28	14 13	5	6 08	11	8 23	17	10 32
	5	6 08	11	8 23	17	10 32	23	12 35	29	14 31	6	6 31	12	8 45	18	10 53
	6	6 31	12	8 45	18	10 53	24	12 55	30	14 50						

- ☾ Last Quarter, 6th day, 11 h. 58 m., evening, E.
- New Moon, 13th day, 3 h. 09 m., evening, W.
- ☽ First Quarter, 20th day, 7 h. 40 m., evening, W.
- ☉ Full Moon, 28th day, 11 h. 20 m., evening, 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 Fast.	Full Sea, Boston.		☽ Rises.		Key	☽ Souths.		☽'s Place	Moon's Age
			h.	m.		h.	m.		h.	m.		h.	m.	h.	m.		h.	m.		
91	1	W.	5	27	H	6	10	J	12	43	12	0	0 $\frac{1}{2}$	8 $\frac{P}{M}$ 46	N	12 $\frac{A}{M}$ 49	SCO	17		
92	2	Th.	5	25	H	6	12	J	12	47	12	0 $\frac{1}{2}$	1	9 53	O	1 39	SCO	18		
93	3	Fr.	5	23	H	6	13	J	12	50	12	1 $\frac{1}{4}$	1 $\frac{3}{4}$	10 58	P	2 30	SCO	19		
94	4	Sa.	5	21	H	6	14	J	12	53	13	2	2 $\frac{1}{2}$	11 $\frac{P}{M}$ 59	P	3 22	SGR	20		
95	5	S.	5	20	H	6	15	J	12	55	13	2 $\frac{3}{4}$	3 $\frac{1}{4}$	—	—	4 18	SGR	21		
96	6	M.	5	18	H	6	16	J	12	58	13	3 $\frac{1}{2}$	4 $\frac{1}{4}$	12 $\frac{A}{M}$ 54	P	5 16	CAP	22		
97	7	Tu.	5	16	H	6	17	J	13	01	14	4 $\frac{1}{2}$	5 $\frac{1}{4}$	1 39	O	6 13	CAP	23		
98	8	W.	5	15	G	6	18	K	13	03	14	5 $\frac{3}{4}$	6 $\frac{1}{4}$	2 17	N	7 08	AQR	24		
99	9	Th.	5	13	G	6	19	K	13	06	14	6 $\frac{3}{4}$	7 $\frac{1}{4}$	2 49	M	8 02	AQR	25		
100	10	Fr.	5	12	G	6	21	K	13	09	14	7 $\frac{3}{4}$	8 $\frac{1}{4}$	3 17	K	8 54	PSC	26		
101	11	Sa.	5	10	G	6	22	K	13	12	15	8 $\frac{3}{4}$	9 $\frac{1}{4}$	3 43	J	9 45	PSC	27		
102	12	S.	5	08	G	6	23	K	13	15	15	9 $\frac{3}{4}$	10	4 $\frac{A}{M}$ 08	H	10 37	ARI	28		
103	13	M.	5	06	G	6	24	K	13	18	15	10 $\frac{1}{2}$	11	sets	—	11 $\frac{A}{M}$ 30	ARI	29		
104	14	Tu.	5	05	G	6	25	K	13	20	15	11 $\frac{1}{2}$	11 $\frac{3}{4}$	7 $\frac{P}{M}$ 58	N	12 $\frac{A}{M}$ 25	TAU	1		
105	15	W.	5	03	G	6	26	K	13	23	16	—	0 $\frac{1}{4}$	9 15	O	1 22	TAU	2		
106	16	Th.	5	02	G	6	27	K	13	25	16	0 $\frac{1}{2}$	1	10 23	P	2 20	G'M	3		
107	17	Fr.	5	00	G	6	28	K	13	28	16	1 $\frac{1}{4}$	2	11 $\frac{P}{M}$ 27	P	3 18	G'M	4		
108	18	Sa.	4	58	G	6	30	K	13	32	16	2 $\frac{1}{4}$	2 $\frac{3}{4}$	—	—	4 15	CNC	5		
109	19	S.	4	57	G	6	31	K	13	34	17	3	3 $\frac{3}{4}$	12 $\frac{A}{M}$ 17	P	5 08	CNC	6		
110	20	M.	4	55	F	6	32	L	13	37	17	4	4 $\frac{3}{4}$	12 57	O	5 57	CNC	7		
111	21	Tu.	4	54	F	6	33	L	13	39	17	5	5 $\frac{3}{4}$	1 28	N	6 43	LEO	8		
112	22	W.	4	52	F	6	34	L	13	42	17	6	6 $\frac{3}{4}$	1 55	M	7 26	LEO	9		
113	23	Th.	4	51	F	6	35	L	13	44	17	6 $\frac{3}{4}$	7 $\frac{1}{2}$	2 17	K	8 07	VIR	10		
114	24	Fr.	4	49	F	6	36	L	13	47	18	7 $\frac{3}{4}$	8 $\frac{1}{4}$	2 37	J	8 46	VIR	11		
115	25	Sa.	4	48	F	6	37	L	13	49	18	8 $\frac{1}{2}$	9	2 56	I	9 26	LIB	12		
116	26	S.	4	46	F	6	39	L	13	53	18	9 $\frac{1}{4}$	9 $\frac{3}{4}$	3 16	H	10 07	LIB	13		
117	27	M.	4	45	F	6	40	L	13	55	18	10	10 $\frac{1}{4}$	3 $\frac{A}{M}$ 36	G	10 50	LIB	14		
118	28	Tu.	4	44	F	6	41	L	13	57	18	10 $\frac{3}{4}$	11	rises	—	11 $\frac{P}{M}$ 36	SCO	15		
119	29	W.	4	42	F	6	42	L	14	00	18	11 $\frac{1}{4}$	11 $\frac{1}{2}$	7 $\frac{P}{M}$ 43	N	—	—	—		
120	30	Th.	4	41	F	6	43	L	14	02	19	—	0	8 $\frac{P}{M}$ 50	O	12 $\frac{A}{M}$ 25	SCO	16		



Lovely the springing land under the light.
 The light has come like one from a far country,
 Having heard of the land in tales of travellers:
 "The land is green, there, and the green stirr
 In a small wind, and spreads, under your sight,
 Up slopes, and over the round hills, to find
 The watcher, there — and spreads, then, over his mind".
 (It is man's love the poem is speaking of.
 — I know, I am the man . . . and it is love.)

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, Etc.	Farmer's Calendar.
1	W.	All Fool's A Fast Hol. {9.7 Day day Mich. }9.0	Hokey
2	Th.	Maundy Vin♂ Tides {9.3 Thursday }8.9	pokey
3	Fr.	Good Fri. Holiday many states {9.8 }8.7	soft
4	Sa.	□ ☉ ☉ S.S. Steineman {9.8 wreck 1884 }8.5	and
5	D.	Easter Day ☾ rides {9.7 low }8.3	smoky.
6	M.	Fish Hawks return to Greenport, N.Y. Tides {9.6 }8.2	
7	Tu.	Cain born. H. Ford {9.5 Abel slain died 1947 }8.4	Breezy
8	W.	La Salle Tides {9.6 foll. }8.8	and clear,
9	Th.	Miss.R. March into Egypt {9.8 to sea }9.3	real
10	Fr.	in Peepers {10.1 1682 are peeping }10.0	Spring
11	Sa.	♂ ♀ ☾ ☾ Eq. [12 th in] {10.5 }10.7	is
12	D.	Low S. ♀ Aph. ♂ ♀ ☾ Hol. {10.8 N.C. }11.2	
13	M.	♂ ♀ ☾ Inf. ♀ ☾ Okla., Va. {10.9 }11.6	near.
14	Tu.	♂ ♀ ☾ Geese are winging north {10.8 }11.6	Gentle
15	W.	♀ Gr. El. W. ♂ ♂ ☾ ☾ ☾ ☾ ☾ {10.5 }11.5	showers
16	Th.	Ave. date last killing frost but see May 28, 1884 {11.5 }10.0	beckon
17	Fr.	☾ runs War workers {11.1 high frozen 1943 }9.5	the
18	Sa.	[19 th ☾ ☾ ☾] Joan of Arc {10.5 1909 }8.9	flow-
19	D.	2nd a. E. Patriots' D. Me., Mass. {9.9 Hol. }8.4	
20	M.	Ice out of N.H.'s large lakes 1952 Tides {9.2 }8.0	ers.
21	Tu.	Rome founded Hol. Tides {8.7 754 B.C. Texas }7.9	Rain,
22	W.	Quail saved Hol. {8.4 Israelites Neb.-Okla. }8.0	rain
23	Th.	St. George Shakespeare {8.3 born 1564 }8.3	gives
24	Fr.	☾ in Died same day {8.4 Apo. 1616 }8.6	every-
25	Sa.	St. Mark, Ev. ☾ on Eq. Tides {8.5 }8.9	one
26	D.	3rd a. E. D.S.T. Hol. Fla., Ga., Miss. {8.8 begins }9.2	
27	M.	Fast Day ♂ ♂ ♀ Holiday N. Hamp. Tides {8.7 }9.5	a
28	Tu.	[27 th ♂ ♀ ☾ ☾ ♀ ☾ }8.7 }9.7	
29	W.	Jap Peace Treaty signed 1952 Tides {8.3 }10.0	big
30	Th.	Canadian geese arrive Canada Tides {— }8.8	pain.

I haven't seen a real old-time tramp for many a spring, but he and his brethren used to be a sign of spring in our town. There was a particular spot where we could count on seeing them. Down behind the Old Sailor's Home it was— on the soft sunny banks of a lane that wandered in mud or dust from the sand dunes and followed the meanderings of a tidal creek which ended in the town dump. It was a wonderful place for tramps—God bless 'em.

And the gypsies, harbingers of spring as well—where are they? The last band I saw were in an enormous Pierce-Arrow and an equally enormous Locomobile that had once been a hearse. The gypsies in the hearse were making a merry home of it with the back doors flung wide open and all the interior bright with their colors.

Then there were the Italian women who used to come waddling over our lawns and fields to get dandelion greens. Well I remember them—bandanas on head, stomachs enormous within tightly tied aprons—ungainly silhouettes that could, however, with astonishing ease and rapidity, bob up and down as they filled their aprons.

And, of course, there was the Italian with his monkey and lurdy-gurdy. We still see him now and then, and, when we hear the rusty strains of La Traviata and Il Trovatore cranked out once more, it is April in our hearts.

There's no fool like an old fool.

1953]

MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	15 ^N 08	7	16 52	13	18 26	19	19 48	25	20 59						
	2	15 26	8	17 08	14	18 40	20	20 01	26	21 09						
	3	15 44	9	17 24	15	18 55	21	20 13	27	21 20						
	4	16 01	10	17 40	16	19 09	22	20 25	28	21 29						
	5	16 18	11	17 56	17	19 22	23	20 37	29	21 39						
	6	16 35	12	18 11	18	19 35	24	20 48	30	21 48						

☾ Last Quarter, 6th day, 7 h. 21 m., morning, W.

● New Moon, 13th day, 12 h. 06 m., morning, E.

☽ First Quarter, 20th day, 1 h. 20 m., evening, W.

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

MAY hath 31 days.

[1953



The donkey, dull and dun in the morning road,
Not part of the brightness, here, not quick in the sun,
A piece of prose, a slow thing with a load . . .
(May God apply his mercy and his goad
To such another one!)

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Fr.	St. Phil. & James ♀ Stat. {10.1 In R.A. { 8.7	Cloudy
2	Sa.	♀ Gr. Hel. Rides Kentucky Hol. {10.2 ♀ Lat. S. ♀ low Derby Calif. { 8.7	
3	D	4th S. a. E. Invention of the Cross {10.1 { 8.6	but
4	M.	Moses on Mt. Hol. {10.0 Sinal 1491 B.C. R. I. { 8.6	not rowdy.
5	Tu.	Robins arr. at 35 deg. Tides {9.9 Buds unfold at 44 deg. { 8.8	Clear.
6	W.	Peepers peep at 50 deg. Tides {9.7 Bees seek first pollen { 9.0	Rain.
7	Th.	Humming birds await first flowers { 9.7 { 9.4	Lowery
8	Fr.	♂ on The Lexington Eq. sunk 1942 Tides {9.8 { 9.9	and
9	Sa.	Mother's Day is tomorrow Tides {9.9 { 10.4	showery.
10	D	♂ Rog. S. ♀ in Hol. {10.1 Perl N.C., S.C. {10.9	Nice
11	M.	The Three Chilly Saints Minor Rogation {10.2 { 11.3	while
12	Tu.	♂ ♀ ♂ Rogation {10.2 { 11.5	this
13	W.	♂ ♀ ♂ Underground Moon Tides {10.1 { 11.5	fine
14	Th.	Asc. D. Holy Thurs. ♂ ♂ ♂ { 9.9 { 9.3	weather
15	Fr.	♂ runs high Goswold at New Bedford 1506 {11.3 { 9.5	lingers,
16	Sa.	♀ in ♂ ♂ ♂ Armed Fes. Day {10.9 { 9.2	cross
17	D	1st S. a. Asc. American Day {10.3 { 8.8	your
18	M.	Apple Trees Blossom Tides {9.8 { 8.5	fingers.
19	Tu.	♀ Greatest Brilliancy Ore. Hol. Tides {9.2 { 8.4	Clear.
20	W.	SHAVUOTH Hol. N.C. Tides {8.8 { 8.3	Does
21	Th.	♀ in ♂ ♂ in Apo. Tides {8.4 { 9.4	not
22	Fr.	♂ on Capt. Kidd gibbeted 1701 {8.2 { 8.5	rain,
23	Sa.	[24th ♂ ♀ ♂ Sup. ♂ ♀ ♀ {8.1 { 8.3	it
24	D	♀ Pent. Whit Sunday ♂ ♀ ♂ {8.1 { 9.1	pours.
25	M.	♂ ♀ ♂ ♂ ♀ Tides {8.2 { 9.4	Clear.
26	Tu.	♂ in St. Augustline {8.3 Perl. { 9.7	Murky,
27	W.	Ember Days 27-29-30th Tides {8.4 { 10.0	misty,
28	Th.	Youth's Companion Fire 1885 Tides {9.3 { 10.2	dirty,
29	Fr.	♂ rides low Block Island torpedoed 1944 {8.7 { 10.4	and
30	Sa.	Memorial Day Tides { 8.3	sultry.
31	D	Trinity S. ♂ ♀ ♀ Tides {10.5 { 8.9	are about to blossom again.

Many books have been written about apples, but the book we apple growers know best is the one that Mother Nature rewrites for us every season. We prune, fertilize, spray—pretty much according to chapter and verse (though there are always new wrinkles to the old tract), and hope for a good crop.

But between the time of the first swelling bud and the picking of the fruit may lie many evils, as they must for all whose business is growing things.

Here is a partial list of the chief hazards of the orchardist: frost, snow, or prolonged cold at blossoming time, either killing the blossoms or preventing the bees from working; fungus disease (scab) and the onsets of a number of flies, moths, beetles and worms to be fought with sprays or dusts; drought or too much rain; hail or great winds (even hurricanes); porcupine, deer, raccoon and other animal damage as the fruit swells and sweetens; early frost before or at picking time; careless handling of fruit by inexperienced pickers; when winter comes on and snows deepen, the girdling of trees by mouse and rabbits, and a bit later the "budding" by partridge and other birds.

Occupational hazards—but we are not really thinking about them now. Rather we are sensing in this mellow May night that out beyond the water hole where the frogs are chirping our trees are about to blossom again.

1953]

JUNE, SIXTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	22	N.05	7	22 46	13	23 13	19	23 26	25	23 23	23	23	23	26	25
2	22	13	8	22 52	14	23 17	20	23 27	26	23 22	23	27	26	23 27	26	23 22
3	22	20	9	22 57	15	23 19	21	23 27	27	23 19	23	27	27	23 27	27	23 19
4	22	27	10	23 02	16	23 22	22	23 27	28	23 17	23	27	28	23 27	28	23 17
5	22	34	11	23 06	17	23 23	23	23 26	29	23 14	23	26	29	23 26	29	23 14
6	22	40	12	23 10	18	23 25	24	23 25	30	23 10	23	25	30	23 25	30	23 10

☾ Last Quarter, 4th day, 12 h. 35 m., evening, W.

● New Moon, 11th day, 9 h. 55 m., morning, W.

☽ First Quarter, 19th day, 7 h. 01 m., morning, E.

○ Full Moon, 26th day, 10 h. 29 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 Past.	Full Sea. Boston.		D	Key	D	D's	Moon's Age
			Rises.	h. m.		Sets.	h. m.				Morn.	Even.					
152	1	M.	4 09	D	7 15	N	15 06	18	1 1/4	2	10 ^P _M 53	M	2 ^A _M 59	CAP	19		
153	2	Tu.	4 09	D	7 16	O	15 07	18	2	2 3/4	11 22	L	3 53	AQR	20		
154	3	W.	4 08	C	7 16	O	15 08	18	3	3 3/4	11 ^P _M 48	K	4 45	AQR	21		
155	4	Th.	4 08	C	7 17	O	15 09	18	4	4 1/2	—	—	5 34	PSC	22		
156	5	Fr.	4 08	C	7 18	O	15 10	17	5	5 1/2	12 ^A _M 12	I	6 23	PSC	23		
157	6	Sa.	4 07	C	7 19	O	15 12	17	6	6 1/2	12 36	H	7 12	ARI	24		
158	7	S.	4 07	C	7 19	O	15 12	17	7	7 1/2	1 02	F	8 02	ARI	25		
159	8	M.	4 07	C	7 20	O	15 13	17	8	8 1/2	1 32	E	8 55	TAU	26		
160	9	Tu.	4 07	C	7 20	O	15 13	17	9	9 1/4	2 06	D	9 51	TAU	27		
161	10	W.	4 06	C	7 21	O	15 15	16	10	10 1/4	2 ^A _M 49	C	10 49	G'M	28		
162	11	Th.	4 06	C	7 22	O	15 16	16	10 3/4	11	sets	—	11 ^A _M 47	G'M	0		
163	12	Fr.	4 06	C	7 22	O	15 16	16	11 1/2	11 3/4	8 ^P _M 43	P	12 ^P _M 44	CNC	1		
164	13	Sa.	4 06	C	7 22	O	15 16	16	—	0 1/2	9 23	O	1 38	CNC	2		
165	14	S.	4 06	C	7 23	O	15 17	16	0 1/2	1 1/4	9 55	M	2 28	LEO	3		
166	15	M.	4 06	C	7 23	O	15 17	15	1 1/4	2	10 21	L	3 15	LEO	4		
167	16	Tu.	4 06	C	7 24	O	15 18	15	2	2 3/4	10 43	K	3 58	LEO	5		
168	17	W.	4 06	C	7 24	O	15 18	15	3	3 1/2	11 04	J	4 39	VIR	6		
169	18	Th.	4 06	C	7 24	O	15 18	15	3 3/4	4 1/4	11 23	I	5 18	VIR	7		
170	19	Fr.	4 06	C	7 25	O	15 19	15	4 1/2	5	11 ^P _M 42	G	5 58	LIB	8		
171	20	Sa.	4 06	C	7 25	O	15 19	14	5 1/2	6	—	—	6 39	LIB	9		
172	21	S.	4 07	C	7 25	O	15 18	14	6 1/4	6 3/4	12 ^A _M 04	F	7 22	LIB	10		
173	22	M.	4 07	C	7 25	O	15 18	14	7 1/4	7 1/2	12 28	E	8 08	SCO	11		
174	23	Tu.	4 07	C	7 26	O	15 19	14	8	8 1/4	12 56	D	8 59	SCO	12		
175	24	W.	4 07	C	7 26	O	15 19	13	8 3/4	9	1 32	C	9 53	SGR	13		
176	25	Th.	4 08	C	7 26	O	15 18	13	9 3/4	9 3/4	2 ^A _M 16	B	10 51	SGR	15		
177	26	Fr.	4 08	C	7 26	O	15 18	13	10 1/2	10 1/2	rises	—	11 ^P _M 51	CAP	16		
178	27	Sa.	4 08	C	7 26	O	15 18	13	11 1/4	11 1/2	8 ^P _M 14	O	—	—	—		
179	28	S.	4 09	C	7 26	O	15 17	13	—	0	8 52	N	12 ^A _M 50	CAP	17		
180	29	M.	4 09	C	7 26	O	15 17	12	0 1/4	0 3/4	9 24	L	1 46	AQR	18		
181	30	Tu.	4 10	C	7 26	O	15 16	12	1	1 1/2	9 ^P _M 52	K	2 ^A _M 40	AQR	19		

JUNE hath 30 days.

[1953



Like a great bee.
Like a great, blundering bee,
I was, then —
Hovering, sending the starved gaze
Into the colored cups

If eye could find,
And store away for alchemy,
Something that might,
In knowledgable ways,
Turn honey for the mind.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	M.	NICOMEDE Tides { ^{10.5} / _{9.1} Heavy	
2	Tu.	♂ ♀ ♂ Supreme Court def. { ^{10.4} / _{9.2} squall	Weeds and crops leap alike now, and the farmer must needs leap with them. There are not enough "rare" days in June for his busyness, and that is all he is concerned with.
3	W.	Confederate Hol. Fla., La., Miss., { ^{10.2} / _{9.4}	
4	Th.	Memorial Day S.C., Tenn., Tex., Va. { ^{10.0} / _{9.6} and	
5	Fr.	Corpus Christi Moon { ^{9.8} / _{9.9} that's	
6	Sa.	♀ Gr. Hel. on in { ^{9.6} / _{10.2} not all.	
7	D	Lat. N. Eq. C Perl. { ^{9.5} / _{10.6} Nasty.	Sayeth The Old Farmer for 1876. "The corn has come to the hoe and there is no time to lose. Weeds grow fast. Keep them under from the first. It does not pay to raise weeds." Well, live and learn.
8	M.	Invasion of Europe 1944 Tides { ^{9.5} / _{10.9} Warmer	
9	Tu.	2nd S.a. ♯. Tides { ^{9.4} / _{11.1} and	
10	W.	♂ ♀ ♀ 42 Degrees 1932 Tides { ^{9.4} / _{11.1} bright	
11	Th.	Indians repulsed at Wells, Maine 1692 Tides { ^{9.4} / _{11.1} more	
12	Fr.	♂ ♀ ♂ Boston Riot Broad St., 1837 { ^{9.4} / _{11.1} summer-	
13	Sa.	♂ ♀ ♂ St. Barnabas high Tides { ^{9.4} / _{11.1} like.	
14	D	♂ ♂ ♂ Thoreau starts for Cape 1857 { ^{9.3} / _{10.9} Fair.	
15	M.	Flag Hol. Day Mo., Pa. { ^{10.6} / _{9.1} Guess	
16	Tu.	St. Bernard Hol. Idaho Tides { ^{10.2} / _{8.9} wot?	
17	W.	Sacred Heart ♂ ♀ ♂ Tides { ^{9.7} / _{8.3} It is	
18	Th.	Bunker Hill 1775 Hol. Kty., Mass. { ^{9.3} / _{8.7} getting	
19	Fr.	on in Apo. Tides { ^{8.8} / _{8.7} hot.	
20	Sa.	♀ in Maximilian exec. 1867 Tides { ^{8.4} / _{8.7} Showers.	
21	D	Longest days Hol. shortest nights W. Va. { ^{8.1} / _{8.8} Calm	
22	M.	3rda. T. Summer Pa's begins Day { ^{8.0} / _{8.9} but	
23	Tu.	♀ Gr. El. W. [21 st ♂ ♀ ♂ ♀ ♀] { ^{7.9} / _{9.2} cooler.	
24	W.	Witches delight in these summer nights Tides { ^{7.9} / _{9.5} Clear.	
25	Th.	Stat. Cabot disc. { ^{8.1} / _{9.8} Clear.	
26	Fr.	in R.A. N. Am. 1497 { ^{9.8} / _{10.2} Nice	
27	Sa.	♂ tides Salem Fire low. 1914 Tides { ^{8.3} / _{10.2} days	
28	D	Invasion Moon Tides { ^{8.6} / _{10.5} the	
29	M.	♀ Gr. El. Korea 1950 Tides { ^{8.9} / _{10.8} Clear.	
30	Tu.	5th S. a. ♯. Tides { ^{9.2} / _{9.5} rule.	
		St. Peter Marry today, good luck all the way { ^{10.9} / _{9.5}	
		♂ in Perl [29 th ♀ ln 28] { ^{10.9} / _{9.8}	

We always liked June's tunes.

- Get out your lantern and your boat and your fish pole and be after the hornpouts come dark. "Pouts" are sweet-est this month.

1953]

JULY, SEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	23	N.	06	7	22	34	13	21	49	19	20	49	25	19	37
2	23	02			8	22	28	14	21	40	20	20	38	26	19	24
3	22	57			9	22	21	15	21	30	21	20	27	27	19	11
4	22	52			10	22	13	16	21	20	22	20	15	28	18	57
5	22	47			11	22	05	17	21	10	23	20	03	29	18	43
6	22	41			12	21	57	18	21	00	24	19	50	30	18	28

☾ Last Quarter, 3rd day, 5 h. 03 m., evening, E.

● New Moon, 10th day, 9 h. 28 m., evening, E.

☽ First Quarter, 18th day, 11 h. 47 m., evening, W.

○ Full Moon, 26th day, 7 h. 20 m., morning, 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 East.	Full Sea.		☽		Key	☽'s		Moon's Age	
			Rises.	h. m.		Sets.	h. m.		h.	m.		Morn.	Even.	Rises.	h. m.		Souths.	h. m.		Place
182	1	W.	4	10	C	7	25	O	15	15	12	1	$3\frac{1}{2}$	2	$10\frac{P}{M}17$	J	3	$A31$	PSC	20
183	2	Th.	4	11	C	7	25	O	15	14	12	2	$3\frac{1}{4}$	3	10 41	H	4	20	PSC	21
184	3	Fr.	4	11	C	7	25	O	15	14	12	3	$4\frac{1}{4}$	4	11 06	G	5	09	ARI	22
185	4	Sa.	4	12	C	7	25	O	15	13	11	4	$4\frac{3}{4}$	5	$11\frac{P}{M}34$	E	5	59	ARI	23
186	5	S.	4	12	C	7	25	O	15	13	11	5	$3\frac{1}{4}$	6	$1\frac{1}{4}$	—	6	50	TAU	24
187	6	M.	4	13	C	7	24	O	15	11	11	6	$3\frac{3}{4}$	7	$12\frac{A}{M}06$	D	7	44	TAU	25
188	7	Tu.	4	14	C	7	24	O	15	10	11	7	$3\frac{3}{4}$	8	12 45	C	8	40	G'M	26
189	8	W.	4	14	C	7	24	O	15	10	11	8	$3\frac{3}{4}$	9	1 32	B	9	37	G'M	27
190	9	Th.	4	15	C	7	23	O	15	08	11	9	$3\frac{3}{4}$	10	$2\frac{A}{M}28$	B	10	34	G'M	28
191	10	Fr.	4	16	C	7	23	N	15	07	11	10	$1\frac{1}{2}$	10	sets	—	11	$A29$	CNC	29
192	11	Sa.	4	17	D	7	22	N	15	05	10	11	$1\frac{1}{4}$	11	$7\frac{P}{M}55$	N	12	$P20$	CNC	1
193	12	S.	4	17	D	7	22	N	15	05	10	—	0	8 23	M	1	08	LEO	2	
194	13	M.	4	18	D	7	21	N	15	03	10	0	$1\frac{1}{4}$	0	8 46	K	1	53	LEO	3
195	14	Tu.	4	19	D	7	21	N	15	02	10	1	$1\frac{1}{2}$	9 07	J	2	34	VIR	4	
196	15	W.	4	20	D	7	20	N	15	00	10	1	$\frac{1}{2}$	2 9 27	I	3	15	VIR	5	
197	16	Th.	4	21	D	7	19	N	14	58	10	2	$\frac{1}{4}$	2	9 46	H	3	54	VIR	6
198	17	Fr.	4	21	D	7	19	N	14	58	10	3	$2\frac{1}{4}$	3	10 07	G	4	34	LIB	7
199	18	Sa.	4	22	D	7	18	N	14	56	10	3	$3\frac{1}{4}$	4	10 29	F	5	16	LIB	8
200	19	S.	4	23	D	7	17	N	14	54	10	4	$3\frac{3}{4}$	5	10 55	D	6	00	SCO	9
201	20	M.	4	24	D	7	16	N	14	53	10	5	$3\frac{3}{4}$	6	$11\frac{P}{M}26$	C	6	48	SCO	10
202	21	Tu.	4	25	D	7	16	N	14	51	9	6	$2\frac{1}{2}$	6	$3\frac{3}{4}$	—	7	40	SGR	11
203	22	W.	4	26	D	7	15	N	14	48	9	7	$1\frac{1}{2}$	7	$12\frac{A}{M}06$	C	8	36	SGR	12
204	23	Th.	4	27	D	7	14	N	14	47	9	8	$1\frac{1}{4}$	8	12 56	B	9	34	SGR	13
205	24	Fr.	4	28	D	7	13	N	14	45	9	9	$1\frac{1}{4}$	9	1 57	B	10	34	CAP	14
206	25	Sa.	4	29	D	7	12	N	14	43	9	10	$10\frac{1}{4}$	10	$3\frac{A}{M}08$	C	11	$P33$	CAP	15
207	26	S.	4	30	D	7	11	N	14	41	9	10	$3\frac{3}{4}$	11	rises	—	—	—	—	—
208	27	M.	4	31	D	7	10	N	14	39	9	11	$1\frac{1}{2}$	—	$7\frac{P}{M}53$	L	12	$A29$	AQR	16
209	28	Tu.	4	32	E	7	09	M	14	37	9	0	$0\frac{1}{2}$	8 20	J	1	23	AQR	17	
210	29	W.	4	33	E	7	08	M	14	35	9	0	$3\frac{3}{4}$	8 45	I	2	14	PSC	18	
211	30	Th.	4	34	E	7	07	M	14	33	9	1	$1\frac{1}{4}$	2 9 10	G	3	05	PSC	19	
212	31	Fr.	4	35	E	7	06	M	14	31	9	2	$1\frac{1}{2}$	3 9	$9\frac{P}{M}37$	F	3	$A55$	ARI	20



The blossoms, few and scattered, nearly hid
 In the coarse grasses, were a meadow secret;
 A hurrying passer-by might well pass by
 And on, and never guess. They made no bid
 For being seen by the too busy eye . . .
 Even an idle wanderer in the meadow
 Might miss the small and few and nearly hid
 In the coarse grasses, there. I nearly did.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	W.	First Toll Erie Canal 1820 Tides {10.8 9.9	<p>New York, Minneapolis, Palm Beach, Los Angeles, or Punkin Corners—it doesn't matter where we live—this month we will be glad of our shade trees. When the thermometer tops ninety about the best friends we've got, along with water and green grass, are these fine old trees and the sweet, cool shade of them.</p> <p>Lots of communities we know are interested in trees. Interested in cutting them down, that is. But for the philosophy of the clean stump: "That's that," we can't say a thing. We'd like to hear more often the bright hope for the young sapling just planted: "This will be." Yes, this will be a great tree for our children's children—a tree of shade, and beauty, and civic pride.</p> <p>Certainly most of us know a joy in trees, and when we travel about—through our magazines or on vacations—the elms in the other fellow's town, the great red woods of California, the pines of Maine—beautiful trees everywhere—are things that stay in our memories as long as anything we have seen. But we tend to take our own trees for granted and shrug off their loss by disease or to new building developments as something inevitable—or at least not our concern.</p> <p>When will we learn that these trees of ours don't stand for us as rich uncles? We inherit nothing in their dying. But we are planting nothing in their place.</p>
2	Th.	Visitation of Mary ☾ on Eq. Tides {10.5 10.1	
3	Fr.	Ψ Stat. SS United States in R.A. Maiden Voyage '52 {10.1 10.1	
4	Sa.	Independence Day Tides {9.7 10.2	
5	D	6th S. a. ♀. ⊕ in Aph. {9.3 10.8	
6	M.	Life with Father began 1933 Tides {9.0 10.4	
7	Tu.	St. Frances Cabrini ♀♀☾ Tides {8.8 10.5	
8	W.	♂♂☾ ♂♂☉ ☾high. {8.8 10.6	
9	Th.	♀ in Philadelphia Fire 1850 in Aph. {8.9 10.6	
10	Fr.	♀ Stat. in R.A. ☉ Partial Eclipse ♂♂Ψ {8.9 10.6	
11	Sa.	♂♂☉ [10th ♂♂☾ ♂♂☾] {9.0 10.5	
12	D	6th S. a. T. ♀Gr. Hel. Lat. S. ♂♂♂ {9.1 10.8	
13	M.	☐♂☉ ☐Ψ☉ [12th ♂♀☾] {10.3 9.1	
14	Tu.	Bastille Day The Campanile Fell 1902 Tides {10.0 9.2	
15	W.	St. Swith. DOG DAYS BEGYN Tides {9.7 9.1	
16	Th.	☾ on Eq. ☾ in Apo. Tides {9.3 9.1	
17	Fr.	Jas. Whistler Died 1903 Tides {8.9 9.0	
18	Sa.	♂Ψ☾ ♂♂☾ Tides {8.5 9.0	
19	D	7th S. a. T. Tides {8.1 9.0	
20	M.	St. Margaret Tides {7.9 9.0	
21	Tu.	Lowest Morning High Tide of Year Tides {7.7 9.2	
22	W.	M. Magdalene ♀♀♂ Tides {7.7 9.5	
23	Th.	☾rides low. S.A.G. on: Letters 1729 Tides {8.0 9.9	
24	Fr.	Detroit FD. 701 Hol. Utah Tides {8.4 10.4	
25	Sa.	St. James ♂♀☉ Inf. {8.9 10.8	
26	D	9th a. ♀. ☾ Total Eclipse Tides {9.4 11.1	
27	M.	Wright Flight Over 1 hr. 1909 Tides {9.9 11.3	
28	Tu.	♂♀♂☾ ☾ in Peri. Tides {10.8 11.3	
29	W.	♀ Stat. in R.A. ☾ on Eq. Tides {11.3 10.6	
30	Th.	Pony Penning Day Assateague, Va. Tides {11.0 10.7	
31	Fr.	First American Patent Issued 1790 Tides {10.6 10.6	

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AUGUST, EIGHTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	17 ^N .59	7	16 23	13	14 37	19	12 43	25	10 42	2	17 44	8	16 06	14	14 19	20	12 24	26	10 21	3	17 28	9	15 48	15	14 00	21	12 04	27	10 01	4	17 12	10	15 31	16	13 41	22	11 44	28	9 39	5	16 56	11	15 13	17	13 22	23	11 23	29	9 18	6	16 40	12	14 55	18	13 03	24	11 03	30

☾ Last Quarter, 1st day, 10 h. 16 m., evening, E.

● New Moon, 9th day, 11 h. 10 m., morning, W.

☽ First Quarter, 17th day, 3 h. 08 m., evening, W.

○ Full Moon, 24th day, 3 h. 21 m., evening, E.

☾ Last Quarter, 31st day, 5 h. 46 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. Frasl.	Full Sea. Boston.		D Rises.	Key	D Souths.		D's Place	Moon's Age
			h.	m.		h.	m.		h.	m.		Morn.	Even.			h.	m.		
213	1	Sa.	4 36	E	7 05	M	14 29	10	3 ¹ / ₄	3 ³ / ₄	10 ^P _M 08	D	4 ^A _M 47	ARI	21				
214	2	S	4 37	E	7 03	M	14 26	10	4 ¹ / ₄	4 ³ / ₄	10 45	C	5 40	TAU	22				
215	3	M.	4 38	E	7 02	M	14 24	10	5 ¹ / ₄	5 ³ / ₄	11 ^P _M 29	B	6 35	TAU	23				
216	4	Tu.	4 39	E	7 01	M	14 22	10	6 ¹ / ₂	6 ³ / ₄	—	—	7 32	G'M	24				
217	5	W.	4 40	E	7 00	M	14 20	10	7 ¹ / ₂	7 ³ / ₄	12 ^A _M 22	B	8 28	G'M	25				
218	6	Th.	4 41	E	6 59	M	14 18	10	8 ¹ / ₂	8 ³ / ₄	1 21	B	9 23	CNC	26				
219	7	Fr.	4 42	E	6 57	M	14 15	10	9 ¹ / ₂	9 ¹ / ₂	2 25	C	10 15	CNC	28				
220	8	Sa.	4 43	E	6 56	M	14 13	10	10 ¹ / ₄	10 ¹ / ₂	3 ^A _M 31	D	11 04	LEO	29				
221	9	S	4 44	E	6 55	M	14 11	10	11	11	sets	—	11 ^A _M 49	LEO	0				
222	10	M.	4 45	E	6 53	L	14 08	10	11 ¹ / ₂	11 ³ / ₄	7 ^P _M 12	K	12 ^P _M 32	LEO	1				
223	11	Tu.	4 46	F	6 52	L	14 06	11	—	0 ¹ / ₄	7 32	J	1 12	VIR	2				
224	12	W.	4 47	F	6 51	L	14 04	11	0 ¹ / ₂	0 ³ / ₄	7 52	H	1 52	VIR	3				
225	13	Th.	4 48	F	6 49	L	14 01	11	1	1 ¹ / ₂	8 11	G	2 32	LIB	4				
226	14	Fr.	4 49	F	6 48	L	13 59	11	1 ³ / ₄	2 ¹ / ₄	8 33	F	3 12	LIB	5				
227	15	Sa.	4 50	F	6 46	L	13 56	11	2 ¹ / ₂	2 ³ / ₄	8 57	E	3 55	SCO	6				
228	16	S	4 51	F	6 45	L	13 54	12	3 ¹ / ₄	3 ¹ / ₂	9 25	D	4 40	SCO	7				
229	17	M.	4 53	F	6 43	L	13 50	12	4	4 ¹ / ₂	10 01	C	5 30	SCO	8				
230	18	Tu.	4 54	F	6 42	L	13 48	12	5	5 ¹ / ₄	10 45	B	6 22	SGR	9				
231	19	W.	4 55	F	6 40	L	13 45	12	5 ³ / ₄	6 ¹ / ₄	11 ^P _M 39	B	7 18	SGR	10				
232	20	Th.	4 56	F	6 39	L	13 43	12	6 ³ / ₄	7 ¹ / ₄	—	—	8 17	CAP	11				
233	21	Fr.	4 57	F	6 37	L	13 40	13	7 ³ / ₄	8	12 ^A _M 44	C	9 15	CAP	12				
234	22	Sa.	4 58	F	6 36	L	13 38	13	8 ³ / ₄	9	1 58	D	10 12	AQR	13				
235	23	S	4 59	F	6 34	K	13 35	13	9 ¹ / ₂	10	3 ^A _M 16	E	11 ^P _M 08	AQR	14				
236	24	M.	5 00	G	6 32	K	13 32	13	10 ¹ / ₂	10 ³ / ₄	rises	—	—	—	—				
237	25	Tu.	5 01	G	6 31	K	13 30	14	11 ¹ / ₄	11 ¹ / ₂	6 ^P _M 45	I	12 ^A _M 01	PSC	16				
238	26	W.	5 02	G	6 29	K	13 27	14	—	0	7 11	H	12 54	PSC	17				
239	27	Th.	5 03	G	6 28	K	13 25	14	0 ¹ / ₂	0 ³ / ₄	7 39	F	1 46	ARI	18				
240	28	Fr.	5 04	G	6 26	K	13 22	15	1 ¹ / ₄	1 ³ / ₄	8 09	E	2 39	ARI	19				
241	29	Sa.	5 05	G	6 24	K	13 19	15	2 ¹ / ₄	2 ¹ / ₂	8 45	C	3 33	TAU	20				
242	30	S	5 06	G	6 23	K	13 17	15	3	3 ¹ / ₂	9 ^P _M 27	B	4 30	TAU	21				
243	31	M.	5 07	G	6 21	K	13 14	15	4	4 ¹ / ₂	10 18	B	5 ^A _M 27	G'M	22				

AUGUST hath 31 days.

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The hill shuts out the sky
To eastward . . . In the west
Another thrusting crest
Stops the adventurous eye. —
And zenith is too high.

Eye roams the road along
The low field, being fond
Of the blue wood beyond,
And rests to make a song
Of love — a valley song
Of love.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	Lammas Day Hol. Col. Tides { 10.0 10.4	Good
2	D	10th S.a. ♯. Tides { 9.4 10.2	time
3	M.	Sodam & Gomorrah Overthrown Tides { 8.9 10.1	for
4	Tu.	♀ Stat. ♂ ♀♂ in R.A. ♂ ♀♂ { 8.5 10.0	vacation
5	W.	♂ ♀♂ Cruns high Tides { 8.4 10.0	all
6	Th.	TRANSFIGURATION Tides { 8.4 10.0	over
7	Fr.	Name of Jesus ♂ ♂ ♂ ♂ ♀♂ { 8.6 10.1	the na-
8	Sa.	♂ ♂ ♂ Rocket Alt. Record 1951. 133.5 Miles { 8.8 10.1	tion.
9	D	10th a. T. ☉ Partial Eclipse { 9.0 10.1	Fair.
10	M.	St. Laurence Watch for His tears { 9.2 10.0	Fair.
11	Tu.	Hay fever season 1897 Goldrush Tides { — 9.3	Rain
12	W.	♂ on J. P. Kennedy, Jr. Eq. K. 1944 { 9.8 9.4	at
13	Th.	♀ Gr. El. W. ☾ in Apo Tides { 9.6 9.4	night,
14	Fr.	Victory Day [15th ♂ ♀♂ ☾] Hol. R.I. { 9.3 9.4	
15	Sa.	ASSUMP. ♂ ♀♂ ☾ ☉ { 8.9 9.3	days
16	D	11th a. T. Battle of Bennington, Vt. 19.2 { 8.4 9.2	clear
17	M.	♀ in ♂ Nancy Hanks in 2.07 1/2-1892 Tides { 8.1 9.1	and
18	Tu.	"To Die for Liberty is a Pleasure-Not a Pain" Tides { 7.8 9.1	bright.
19	W.	♂ rides Five hang for Cleveland Witchcraft 1692 defeated 1794 Tides { 7.7 9.2 9.5	Storms. Clear
20	Th.	1765-David Wheeler made Boston's 1st complete fire engine { 8.3 10.0	
21	Fr.	♂ in Peri ♂ ♀♂ { 8.8 10.5	nights rainy
22	Sa.	♀ Peri ♂ ♀♂ { 8.8 10.5	nights rainy
23	D	13th a. ♯. ♂ ♂ ♀♂ Tides { 9.5 11.0	days.
24	M.	St. Bartholomew Tides { 10.1 11.3	Stormy.
25	Tu.	♂ on Eq. ☾ in Peri Tides { 10.7 11.5	Changeable
26	W.	Up to 1899, U.S. had been in 2607 scraps. Every day in year, including Feb. 29 is anniversary of some bloody contest { 11.1 11.4 11.3	
27	Th.	Dog Days Tides { 11.0 11.2	but favor-
28	Fr.	end { 11.0 11.2	
29	Sa.	John the Baptist beheaded Hol. Calif. { 10.5 10.9	able.
30	D	14th a. ♯. St. Fiac. Hol. La. { 9.8 10.5	Nice
31	M.	Moon has two last quarters this month. Tides { 9.1 10.1	days.

A nation's agriculture and the start of her wars, if she be the aggressor, are very much tied together. Dictators and war lords want the granary full before lighting the powder keg. And, of course, late August and early September are the times for grain harvest. That we bear this in mind is in no sense a prediction of war, but simply a reminder that this is a dangerous month on the war calendar.

But to the work on the farm. August is a "breather" month that may give us a chance to catch up on things that we have been able to pass over but not forget. So we come back to the old themes of the removal of walls and the cutting of brush. How much easier and more economical to cultivate or hay one large field, unbroken by walls, than four little fields adding up to the same area, each wall-bounded. Bulldozers push away or bury walls incredibly fast. Of course, stone walls have their place, and always will, to enclose pasture. They never wear out or rot—the most economical fences in the world.

Brush encroaches slowly but surely from the fence or wall edges into all our fields. August is the best month to cut around these edges and win back our "lost" acres. Flame throwers are excellent to follow up and prevent resprouting.

But brush, like walls, has its place. Never cut it where you do not really have to. It is the natural home and shelter of much of our wild life.

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SEPTEMBER, NINTH MONTH.

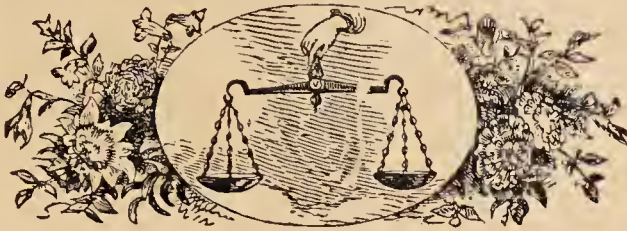
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			Days.		
	0	/		0	/		0	/		0	/		0	/	
1	8N.	13		7	6	00	13	3	44	19	1	25	25	0	55
2	7	51		8	5	38	14	3	21	20	1	02	26	1	19
3	7	30		9	5	15	15	2	58	21	0	38	27	1	42
4	7	07		10	4	52	16	2	35	22	0N.	15	28	2	05
5	6	45		11	4	30	17	2	11	23	0s.	09	29	2	29
6	6	23		12	4	07	18	1	48	24	0	32	30	2	52

- New Moon, 8th day, 2 h. 47 m., morning, E.
- ☽ First Quarter, 16th day, 4 h. 49 m., morning, E.
- Full Moon, 22nd day, 11 h. 15 m., evening, W.
- ☾ Last Quarter, 29th day, 4 h. 51 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 Fast.	Full Sea, Boston.		☽ Rises.	Key	☽ Souths.		☽'s Place	Moon's Age
			h.	m.		h.	m.				h.	m.			h.	m.		
244	1	Tu.	5	08	G	6	19	K	13 11 16	5	5 $\frac{1}{2}$	11 ^P 15	B	6 ^A 24	G'M	23		
245	2	W.	5	09	G	6	18	K	13 09 16	6 $\frac{1}{4}$	6 $\frac{1}{2}$	—	—	7 19	CNC	24		
246	3	Th.	5	11	G	6	16	K	13 05 16	7 $\frac{1}{4}$	7 $\frac{1}{2}$	12 ^A 18	C	8 12	CNC	25		
247	4	Fr.	5	12	G	6	14	K	13 02 17	8 $\frac{1}{4}$	8 $\frac{1}{2}$	1 23	D	9 01	LEO	26		
248	5	Sa.	5	13	H	6	12	J	12 59 17	9 $\frac{1}{4}$	9 $\frac{1}{4}$	2 28	E	9 47	LEO	27		
249	6	S	5	14	H	6	11	J	12 57 17	9 $\frac{3}{4}$	10	3 32	F	10 30	LEO	28		
250	7	M.	5	15	H	6	09	J	12 54 18	10 $\frac{1}{2}$	10 $\frac{3}{4}$	4 ^M 33	G	11 11	VIR	29		
251	8	Tu.	5	16	H	6	07	J	12 51 18	11	11 $\frac{1}{4}$	sets	—	11 ^A 51	VIR	0		
252	9	W.	5	17	H	6	05	J	12 48 18	11 $\frac{3}{4}$	—	6 ^P 17	H	12 31	LIB	1		
253	10	Th.	5	18	H	6	04	J	12 46 19	0	0 $\frac{1}{4}$	6 38	F	1 ^P 11	LIB	2		
254	11	Fr.	5	19	H	6	02	J	12 43 19	0 $\frac{1}{2}$	0 $\frac{3}{4}$	7 01	E	1 53	LIB	3		
255	12	Sa.	5	20	H	6	00	J	12 40 20	1 $\frac{1}{4}$	1 $\frac{1}{2}$	7 28	D	2 37	SCO	4		
256	13	S	5	21	H	5	58	J	12 37 20	2	2 $\frac{1}{4}$	8 00	C	3 24	SCO	6		
257	14	M.	5	22	H	5	57	J	12 35 20	2 $\frac{3}{4}$	3	8 40	C	4 15	SGR	7		
258	15	Tu.	5	23	H	5	55	J	12 32 21	3 $\frac{1}{2}$	3 $\frac{3}{4}$	9 29	B	5 08	SGR	8		
259	16	W.	5	24	H	5	53	J	12 29 21	4 $\frac{1}{4}$	4 $\frac{3}{4}$	10 28	B	6 04	CAP	9		
260	17	Th.	5	25	I	5	51	I	12 26 21	5 $\frac{1}{4}$	5 $\frac{3}{4}$	11 ^P 36	C	7 00	CAP	10		
261	18	Fr.	5	26	I	5	50	I	12 24 22	6 $\frac{1}{4}$	6 $\frac{3}{4}$	—	—	7 56	CAP	11		
262	19	Sa.	5	28	I	5	48	I	12 20 22	7 $\frac{1}{4}$	7 $\frac{3}{4}$	12 ^A 50	D	8 51	AQR	12		
263	20	S	5	29	I	5	46	I	12 17 22	8 $\frac{1}{4}$	8 $\frac{3}{4}$	2 07	F	9 45	AQR	13		
264	21	M.	5	30	I	5	44	I	12 14 23	9 $\frac{1}{4}$	9 $\frac{1}{2}$	3 ^M 26	G	10 38	PSC	14		
265	22	Tu.	5	31	I	5	42	I	12 11 23	10	10 $\frac{1}{2}$	rises	—	11 ^P 30	PSC	15		
266	23	W.	5	32	I	5	41	I	12 09 23	10 $\frac{3}{4}$	11 $\frac{1}{4}$	5 ^P 37	G	—	—	—		
267	24	Th.	5	33	I	5	39	I	12 06 24	11 $\frac{1}{2}$	—	6 07	F	12 ^A 24	ARI	16		
268	25	Fr.	5	34	I	5	37	I	12 03 24	0	0 $\frac{1}{2}$	6 41	D	1 20	TAU	17		
269	26	Sa.	5	35	I	5	35	I	12 00 24	1	1 $\frac{1}{4}$	7 22	C	2 17	TAU	18		
270	27	S	5	36	I	5	34	I	11 58 25	1 $\frac{3}{4}$	2	8 11	B	3 16	G'M	19		
271	28	M.	5	37	I	5	32	H	11 55 25	2 $\frac{3}{4}$	3	9 08	B	4 16	G'M	20		
272	29	Tu.	5	38	J	5	30	H	11 52 25	3 $\frac{3}{4}$	4	10 11	B	5 13	CNC	21		
273	30	W.	5	39	J	5	28	H	11 49 26	4 $\frac{3}{4}$	5	11 ^P 16	C	6 ^A 08	CNC	22		



Beauty was stubborn in the flower.
Suffering all things, wind and chill,
Her lord's, the sun's, declining power,
And a wrong season, beauty still
Stood in her lovely will.

So, one day . . . so, another day,
Till the hordes came too harshly down
For any vallant thing to stay —
Save in the mind: this sweet renown
Of a most gallant town.

D.M.	D.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	♂ ♀ Gr. Hel. runs high 8.6	Yellow
2	W.	[1st Great magnetic storms 1859] Tides {8.2	and
3	Th.	♂ ♀ Singapore again Br. 1945 Tides {8.1	hazy,
4	Fr.	♂ ♀ Hudson Disc. Hudson, R. 1609 {8.3	fine
5	Sa.	Ocean vampire caught Delaware Bay 1823 (9th) {8.6	and
6	D.	14tha. T. ♂♂ ♀ in ♂♂ {8.9	lazy.
7	M.	Labor Day ♂ ♀ ☉ Snp. {9.2	Stormy.
8	Tu.	Virgin Mary ♂ ♀ ☾ on Eq. {9.4	Cool.
9	W.	☾ In Galveston Hol. Apo. Hurr. 1900 Calif. {9.6	Clouds
10	Th.	Rosh Hashanah Tides {9.7	up-
11	Fr.	♂ ♀ ☾ ♂ ♀ Tides {9.3	stairs
12	Sa.	Royal William 1st str. across Atlantic 1833 Md. Hol. {9.1	bring
13	D.	15tha. T. ♂ ♀ Pershing B. 1860 Tides {8.7	heavy
14	M.	Holy Elections Cross Maine Tides {8.4	airs.
15	Tu.	Star Spangled Banner composed 1814 (14th) Tides {8.1	Fine.
16	W.	☾ rides Ember days low. 16, 18, 19th. Okla. {7.9	Tem-
17	Th.	St. Lambert Constitution Day {9.2	peratures
18	Fr.	☐ ♀ ☉ Gale in south 1813 Tides {8.2	are
19	Sa.	Yom Klppur Atoneament Gr. Hel. Lat. N. Tides {8.7	low,
20	D.	17tha. ♀. Panic of 1873 {9.4	did you see
21	M.	St. Matthew N. E. Hurr. 1938 Tides {10.1	the
22	Tu.	☾ on Eq. ☾ in Harvest Perl. Moon {10.8	rainbow?
23	W.	Autumn begins 3.07 A.M. ☾ on Eq. ☾ in Harvest Perl. Moon {11.3	rainbow?
24	Th.	First Day Succoth Mt. Auburn Consecr. 1831 ☾ on Eq. ☾ in Harvest Perl. Moon {11.4	Now
25	Fr.	♀ in ♂ American Indian Day {11.2	beware
26	Sa.	Nights again equal days Tides {10.8	of hurri-
27	D.	18tha. ♀. D.S.T. ends {10.2	canes
28	M.	♂ ♀ ☾ runs high Tides {9.5	and
29	Tu.	St. Michael & All Angels Tides {8.8	does not.
30	W.	♂ ♀ ♀ ♂ ♀ ☾ Tides {8.3	rain.

The vineyards of California and New York State are greatly to be admired, but to a New Englander the Concord grape is especially his own—bred in the heart of New England, Concord, Massachusetts. Here is the story, briefly, of the finest grape in the world, and its originator.

Ephraim Bull moved from Boston to Concord for his health's sake and bought a house next to Nathaniel Hawthorne's in 1838. He started improving his health by rambles about his estate, and one day found a wild grape vine—the Northern Fox. Its vigorous quality took his fancy and he gathered a number of the grapes. These he planted whole at a depth of two inches. After nursing the resultant vines for six years, he finally obtained many varieties. Only one, which he called the Concord, did he deem worthy of cultivation. On Sept. 10, 1849, he got his first bunch of Concord grapes. Not only were they soft of skin, large and attractive, a striking blue, but they ripened early—just right for New England that had a season shortened at both ends by late and early frosts. A few years after he was selling thousands of seedlings at \$5 each. He guaranteed that his gold leaf would not rust or his grapes rot or fall off the vines—and to this day the true Concord properly grown does not.

(Condensed in part from an article by Helen Buckley in the New England Homestead.)

Eight hours of sleep is enough for young and old.

1953]

OCTOBER, TENTH MONTH.

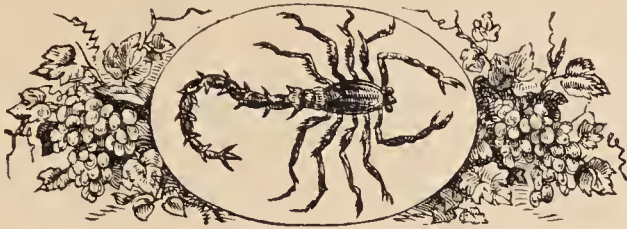
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	3s. 15	7	5 35	13	7 50	19	10 03	25	12 10						
	2	3 38	8	5 57	14	8 13	20	10 24	26	12 30						
	3	4 02	9	6 20	15	8 35	21	10 46	27	12 51						
	4	4 25	10	6 43	16	8 57	22	11 07	28	13 11						
	5	4 48	11	7 05	17	9 19	23	11 28	29	13 31						
	6	5 11	12	7 28	18	9 41	24	11 49	30	13 51						

- New Moon, 7th day, 7 h. 40 m., evening, E.
- ☾ First Quarter, 15th day, 4 h. 44 m., evening, W.
- Full Moon, 22nd day, 7 h. 56 m., morning, E.
- ☾ Last Quarter, 29th day, 8 h. 09 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.		☽ Rises.	Key	☽ Souths.	☽'s Place	Moon's Asc
			h.	m.		h.	m.				Morn	Even					
274	1	Th.	5 40	J	5 27	H	11 47	26	5 ³ / ₄	6	—	—	6 ^A _M 58	CNC	23		
275	2	Fr.	5 42	J	5 25	H	11 43	26	7	7 ¹ / ₄	12 ^A _M 21	E	7 46	LEO	24		
276	3	Sa.	5 43	J	5 23	H	11 40	27	7 ³ / ₄	8	1 25	F	8 29	LEO	25		
277	4	S.	5 44	J	5 21	H	11 37	27	8 ³ / ₄	9	2 27	G	9 11	VIR	26		
278	5	M.	5 45	J	5 20	H	11 35	27	9 ¹ / ₄	9 ¹ / ₂	3 27	H	9 51	VIR	27		
279	6	Tu.	5 46	J	5 18	H	11 32	28	10	10 ¹ / ₂	4 ^A _M 27	I	10 30	VIR	28		
280	7	W.	5 47	J	5 16	H	11 29	28	10 ¹ / ₂	11	sets	—	11 10	LIB	29		
281	8	Th.	5 48	J	5 15	H	11 27	28	11	11 ¹ / ₂	5 ^P _M 07	F	11 ^A _M 52	LIB	1		
282	9	Fr.	5 49	J	5 13	G	11 24	28	11 ³ / ₄	—	5 32	E	12 ^P _M 36	SCO	2		
283	10	Sa.	5 51	K	5 11	G	11 20	29	0	0 ¹ / ₄	6 03	D	1 22	SCO	3		
284	11	S.	5 52	K	5 10	G	11 18	29	0 ³ / ₄	1	6 40	C	2 11	SGR	4		
285	12	M.	5 53	K	5 08	G	11 15	29	1 ¹ / ₂	1 ¹ / ₂	7 26	B	3 03	SGR	5		
286	13	Tu.	5 54	K	5 06	G	11 12	29	2 ¹ / ₄	2 ¹ / ₂	8 21	B	3 57	SGR	6		
287	14	W.	5 55	K	5 05	G	11 10	30	3	3 ¹ / ₄	9 23	C	4 52	CAP	7		
288	15	Th.	5 56	K	5 03	G	11 07	30	4	4 ¹ / ₄	10 33	D	5 46	CAP	8		
289	16	Fr.	5 57	K	5 02	G	11 05	30	4 ³ / ₄	5 ¹ / ₄	11 ^P _M 46	E	6 40	AQR	9		
290	17	Sa.	5 59	K	5 00	G	11 01	30	5 ³ / ₄	6 ¹ / ₄	—	—	7 32	AQR	10		
291	18	S.	6 00	K	4 58	G	10 58	31	6 ³ / ₄	7 ¹ / ₄	1 ^A _M 01	F	8 23	PSC	11		
292	19	M.	6 01	K	4 57	G	10 56	31	7 ³ / ₄	8 ¹ / ₄	2 17	H	9 15	PSC	12		
293	20	Tu.	6 02	K	4 55	G	10 53	31	8 ³ / ₄	9 ¹ / ₄	3 35	I	10 07	ARI	13		
294	21	W.	6 04	K	4 54	G	10 50	31	9 ¹ / ₂	10	4 ^A _M 54	K	11 02	ARI	14		
295	22	Th.	6 05	L	4 52	F	10 47	31	10 ¹ / ₂	11	rises	—	11 ^P _M 59	TAU	15		
296	23	Fr.	6 06	L	4 51	F	10 45	32	11 ¹ / ₄	11 ³ / ₄	5 ^P _M 13	D	—	—	—		
297	24	Sa.	6 07	L	4 49	F	10 42	32	—	0	6 00	B	12 ^A _M 59	TAU	16		
298	25	S.	6 08	L	4 48	F	10 40	32	0 ¹ / ₂	0 ³ / ₄	6 55	B	2 00	G'M	17		
299	26	M.	6 09	L	4 46	F	10 37	32	1 ¹ / ₂	1 ³ / ₄	7 58	B	3 00	G'M	18		
300	27	Tu.	6 11	L	4 45	F	10 34	32	2 ¹ / ₄	2 ³ / ₄	9 04	C	3 58	CNC	19		
301	28	W.	6 12	L	4 44	F	10 32	32	3 ¹ / ₄	3 ¹ / ₂	10 10	D	4 52	CNC	20		
302	29	Th.	6 13	L	4 42	F	10 29	32	4 ¹ / ₄	4 ¹ / ₂	11 ^P _M 16	E	5 41	LEO	21		
303	30	Fr.	6 14	L	4 41	F	10 27	32	5 ¹ / ₄	5 ¹ / ₂	—	—	6 27	LEO	22		
304	31	Sa.	6 16	L	4 40	F	10 24	32	6 ¹ / ₄	6 ¹ / ₂	12 ^A _M 19	G	7 ^A _M 09	LEO	23		



The day was like a dream
Of day, sunny and mild,
From which no thing awoke.
Weightless, it came to seem
Like something that a child
Thought, once, and never spoke.

A painter might have made
The day's too delicate glow,
Or a poet, for his book;
In our violent parade,
It had, just so,
The other, happy look.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Scallop season opens Tides {8.1 9.0	Cloudy
2	Fr.	Simchath Torah Tides {8.1 8.0	only
3	Sa.	♂ ♀ ♀ [4 th ♀ ♀ ♂] Tides {8.3 8.9	by
4	D	18 th a. T. St. Francis D'Assissi Tides {8.7 9.0	
5	M.	♂ ♂ ♀ ♀ ♀ in ♀ on {9.0 9.1	turns.
6	Tu.	♄ in Talks first popular 1927 Tides {9.8 9.1	
7	W.	Gen. Grant Statue unveiled N.Y.C. 1891 {9.5 9.1	Finest
8	Th.	♂ ♀ ♀ Chicago fire 1871 Tides {9.7 9.1	
9	Fr.	♂ ♀ ♀ Tides {9.8 —	clearest
10	Sa.	♀ in Trees are Blushing Hol. Okla. Tides {9.0 9.8	
11	D	19 th a. T. D.A.R. organized 1890 {8.8 9.8	zip-
12	M.	Columbus Hol. N.D., Wisc. {8.5 9.7	piest
13	Tu.	♄ rides Cranberries low harvested Tides {8.3 9.6	days
14	W.	Dismal Swamp Canal opened 1899 Tides {8.1 9.4	
15	Th.	♃ Stat. in R.A. Boston's first bldg. law 1679 {8.1 9.3	of
16	Fr.	☐ ♂ ☉ Milwaukee Ed. 1745 Tides {8.2 9.3	
17	Sa.	♂ ♀ ☉ Chopin died 1849 Tides {8.6 9.5	this
18	D	21 st a. ♀. St. Luke, Ev. Tides {9.2 9.9	
19	M.	♄ on Bad floods, Va. Eq. Wash., Md. 1942 {9.9 10.3	year.
20	Tu.	Crace Darling, sea heroine, died 1842 Tides {10.6 10.6	Clear.
21	W.	♄ in Old Ironsides Peri. launched 1797 {11.3 10.9	Clear.
22	Th.	Hunter's Moon [23 rd ♀ ♀ ☉] {11.7 10.9	Clear.
23	Fr.	♀ Gr. El. E. Year's highest tides {11.9 10.7	Rains
24	Sa.	[25 th ♀ Cr. Hel. in Lat. S. ♂ Aph. runs high] {11.8 —	
25	D	22 nd a. ♀. Christ the King 25 degrees 1879 {10.3 11.5	are cold,
26	M.	♂ ♃ ♄ Tides {9.3 9.9	
27	Tu.	N.Y. subway opened-Hall to 145th-1904 {9.2 10.3	winds
28	W.	St. Simon St. Jude ♂ ♂ ♄ Tides {8.7 9.6	are
29	Th.	♄ Stat. in R.A. Stock Market crash '29 Tides {8.3 9.0	
30	Fr.	De Soto discovered Mississ. river 1528 Tides {8.2 8.6	bold.
31	Sa.	All Hallow's Eve Hol. Nev. {8.2 8.4	Clear.

How many of us have never been the victim of some fraud or confidence racket? The business may be as simple and painless as the extraction of your dime by the bum who wants to buy "a cup of coffee." But fraud can be infinitely higher-priced, bolder, or more ingenious than that. Realizing that millions of dollars are annually taken from farmers by fraud, the **Rural New-Yorker** offers in its "Publisher's Desk" column a unique service. It exposes fraud for free—and more, it is frequently able to get money returned to the victim. By exposing fraudulent companies or individuals it opens the way for the bloodhounds of the law. Ironically, however, it reveals the ease with which frauds can operate year after year in their chosen racket though well known to the law as old offenders. We quote from the "Publisher's Desk."

"Again David S. Wright, proprietor of the Lake Shore Feed Company of Dunkirk, N. Y., has been fined—this time \$3,000—for violation of the U. S. law in shipping mislabeled and impure seeds in interstate commerce. Mr. Wright has been found guilty of this same offense seven times in nine years and fined a total of \$10,500. The Judge warned Mr. Wright to 'stop this performance.' At his last trial Mr. Wright indicated he would close up his business, but he still continued it, although he admits the frequent court appearances are humiliating to him."

1953]

NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	14s. 29	7	16 19	13	18 01	19	19 30	25	20 47						
	2	14 49	8	16 37	14	18 17	20	19 44	26	20 59						
	3	15 07	9	16 55	15	18 32	21	19 57	27	21 10						
	4	15 26	10	17 12	16	18 47	22	20 10	28	21 21						
	5	15 44	11	17 28	17	19 02	23	20 23	29	21 31						
	6	16 02	12	17 44	18	19 16	24	20 35	30	21 41						

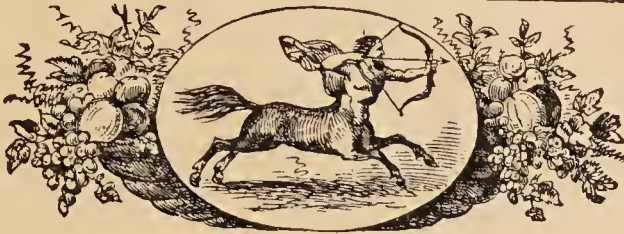
- New Moon, 6th day, 12 h. 58 m., evening, W.
- ☽ First Quarter, 14th day, 2 h. 52 m., morning, E.
- Full Moon, 20th day, 6 h. 12 m., evening, E.
- ☾ Last Quarter, 28th day, 3 h. 16 m., morning, W.

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.		Key	☽ Rises.		Key	☽ Souths.		☽'s Place	Moon's Age
			h.	m.		h.	m.				Morn.	Even.		h.	m.		h.	m.		
305	1	S	6	17	L	4	38	F	10 21	32	7 1/4	7 1/2	H	1 ^A _M 20	H	7 ^A _M 49	VIR	25		
306	2	M	6	18	L	4	37	F	10 19	32	8	8 1/4	I	2 20	I	8 29	VIR	26		
307	3	Tu	6	19	L	4	36	E	10 17	32	8 3/4	9	J	3 20	J	9 09	LIB	27		
308	4	W	6	21	M	4	35	E	10 14	32	9 1/2	9 3/4	K	4 20	K	9 50	LIB	28		
309	5	Th	6	22	M	4	34	E	10 12	32	10	10 1/2	M	5 ^A _M 22	M	10 33	LIB	29		
310	6	Fr	6	23	M	4	32	E	10 09	32	10 3/4	11		sets		11 ^A _M 19	SCO	30		
311	7	Sa	6	24	M	4	31	E	10 07	32	11 1/4	11 3/4	C	4 ^P _M 41	C	12 ^P _M 08	SCO	1		
312	8	S	6	26	M	4	30	E	10 04	32	11 3/4	—	C	5 25	C	12 59	SGR	2		
313	9	M	6	27	M	4	29	E	10 02	32	0 1/2	0 1/2	B	6 17	B	1 53	SGR	3		
314	10	Tu	6	28	M	4	28	E	10 00	32	1	1 1/4	B	7 17	B	2 48	CAP	4		
315	11	W	6	29	M	4	27	E	9 58	32	1 3/4	2	D	8 24	D	3 42	CAP	5		
316	12	Th	6	31	M	4	26	E	9 55	32	2 3/4	2 3/4	E	9 35	E	4 35	AQR	6		
317	13	Fr	6	32	M	4	25	E	9 53	31	3 1/2	3 3/4	F	10 ^P _M 47	F	5 26	AQR	7		
318	14	Sa	6	33	M	4	24	E	9 51	31	4 1/2	4 3/4		—		6 16	PSC	8		
319	15	S	6	34	M	4	23	E	9 49	31	5 1/2	5 3/4	G	12 ^A _M 00	G	7 05	PSC	9		
320	16	M	6	35	M	4	22	E	9 47	31	6 1/2	6 3/4	I	1 14	I	7 55	ARI	10		
321	17	Tu	6	37	M	4	21	D	9 44	31	7 1/4	7 3/4	J	2 29	J	8 46	ARI	11		
322	18	W	6	38	N	4	21	D	9 43	31	8 1/4	8 3/4	L	3 47	L	9 41	TAU	12		
323	19	Th	6	39	N	4	20	D	9 41	30	9 1/4	9 3/4	M	5 ^A _M 06	M	10 39	TAU	13		
324	20	Fr	6	40	N	4	19	D	9 39	30	10	10 1/2		rises		11 ^P _M 39	G'M	14		
325	21	Sa	6	42	N	4	18	D	9 36	30	11	11 1/2	B	4 ^P _M 38	B	—	—	—		
326	22	S	6	43	N	4	18	D	9 35	30	11 3/4	—	B	5 38	B	12 ^A _M 41	G'M	15		
327	23	M	6	44	N	4	17	D	9 33	29	0 1/4	0 1/2	C	6 45	C	1 42	CNC	17		
328	24	Tu	6	45	N	4	16	D	9 31	29	1 1/4	1 1/4	D	7 54	D	2 39	CNC	18		
329	25	W	6	46	N	4	16	D	9 30	29	2	2 1/4	E	9 01	E	3 32	CNC	19		
330	26	Th	6	47	N	4	15	D	9 28	28	2 3/4	3	F	10 06	F	4 20	LEO	20		
331	27	Fr	6	49	N	4	15	D	9 26	28	3 3/4	4	G	11 ^P _M 09	G	5 04	LEO	21		
332	28	Sa	6	50	N	4	14	D	9 24	28	4 3/4	5		—		5 46	VIR	22		
333	29	S	6	51	N	4	14	D	9 23	27	5 1/2	5 3/4	I	12 ^A _M 10	I	6 26	VIR	23		
334	30	M	6	52	N	4	14	D	9 22	27	6 1/2	6 3/4	J	1 ^A _M 10	J	7 ^A _M 06	LIB	24		

NOVEMBER hath 30 days.

[1953



Walking the road, alone — toward what might be?
 Walking away — from what might once have been? —
 By winter twilight, all that I could see
 Was man abroad, when others had gone in.

If I seem less at ease, here, than before,
 It is because of two sides to a door,
 And man abroad, when others have gone in.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	All Saints ♀ Gr. Hel. Tides {8.4 Lat. N. 8.4	Stays
2	M.	☾ on in Tides {8.7 Eq. ☾ Apo. 8.4	clear
3	Tu.	Election ♂♂ ☾ Stat. in {9.0 Day ♂♂ ☾ R.A. 8.5	you
4	W.	♂ ♀ ☾ Eugene Field {9.3 Day D. 1895 8.6	think
5	Th.	Fawkes ♂ ♀ ☾ Tides {9.6 Day ♂ ♀ ☾ 8.6	
6	Fr.	St. Leonard Undergound {9.7 Moon 8.6	but
7	Sa.	♂ ♀ ♀ ♂ ♀ ☾ Tides {9.9 8.6	now
8	D	23rd a. ☾ Tides {10.0 —	comes
9	M.	☾ rides Steve Brodie Tides {8.5 low. jumped, 1888 10.0	the
10	Tu.	"Dr. Livingstone I Presume"—1891 Tides {8.5 8.9	
11	W.	St. Martin Tides {8.4 8.8	storm.
12	Th.	1st killing frost Nantucket 1939 Tides {8.4 8.7	Clear.
13	Fr.	Indian Summer ☽ in ☽ Tides {8.5 begins ♀ Transit of Sun ♂ ♀ ☽ Inf. 9.4	A
14	Sa.	25th a. ☽. Tides {9.1 9.5	mild
15	M.	☾ on Suez Canal Tides {9.7 Eq. op. 1869 9.6	spell
17	Tu.	18th-1883 U.S. changed over to standard time {10.2 9.8	of
18	W.	♀ in ☾ in Tides {10.3 Peri. ☾ Peri. 10.0	
19	Th.	Basketball Fixers sentenced 1951 Tides {11.3 10.2	weather.
20	Fr.	[22nd ♂ ♀ ☾ runs high] Tides {11.7 10.2	
21	Sa.	Mayflower Compact Tides {11.7 10.0	Fine
22	D	26th a. ☽. St. Cecilia ☽ {11.6 —	days.
23	M.	♂ ♀ ♀ ♀ Stat. Hol. in R.A. Md. {9.8 11.2	Storms
24	Tu.	♂ ☾ ☾ Tides {9.5 10.7	with
25	W.	U.S. Great Lakes Decl. high seas 1893-21st. Tides {9.1 10.1	hail.
26	Th.	Thanksgiving Tides {8.8 9.4	Perhaps
27	Fr.	The Portland lost 1898 (29th) Tides {8.5 8.9	snow.
28	Sa.	Cocoanut Grove fire 1942 ♀ Gr. Hel. Lat. N. {8.4 8.4	Don
29	D	1st S. Advent ☾ on Eq. {8.4 8.1	your
30	M.	St. Andrew ☾ in Apo. {8.5 7.9	woollies.

You can do much or nothing this month, but it is the best month in the year to work profitably in cool comfort and not go wrong on anything. The pressure is off. Your plowing done now eases the burden of it in the terribly hurried spring months. Manure on your fields will go right to work for you as the snow runs off. Your axe will never ring more sweetly nor bite more deeply than in the November woods. Better now to repair walls and fences than in the muck of April.

There is no pleasure in gathering leaves, but when we burn them we are philosophers leaning on our rakes. And what more poignant in the chill November dusk than the smoke of burning leaves? For in it is somehow all the memories of our youth—and fallen leaves and drifting smoke are the symbols and sadness of life.

But we don't burn leaves any more. We rake them up and wheel them to the compost heap, as we are told to do by the Garden Club—and our wife. This undoubtedly ranks as second only on our list of tedious undertakings. The first is pulling out by hand these same leaves (and the neighbors') from the barberry hedge. We reward ourselves by pinning on our bosom one more invisible cluster to the Medal of the Fallen Leaf—First Class. Next year we shall pin another.

This is the month for blue devils and suicides.

1953]

DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	21s. 50	7	22 38	13	23 10	19	23 25	25	23 24	2	21 59	8	22 45	14	23 14	20	23 26	26	23 22	3	22 08	9	22 50	15	23 17	21	23 27	27	23 19	4	22 16	10	22 56	16	23 20	22	23 27	28	23 17	5	22 24	11	23 01	17	23 22	23	23 26	29	23 13	6	22 31	12	23 06	18	23 24	24	23 25	30

- New Moon, 6th day, 5 h. 48 m., morning, E.
- ☾ First Quarter, 13th day, 11 h. 30 m., morning, E.
- Full Moon, 20th day, 6 h. 43 m., morning, W.
- ☽ Last Quarter, 28th day, 12 h. 43 m., morning, 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. East.	Full Sea, Boston.		☽	Key	☽		Key	☽'s		Moon's Age
			Rises.	h. m.		Sets.	h. m.		h.	m.		h.	m.			Morn.	Even.		h.	m.	
335	1	Tu.	6 53	N	4 13	D	9 20	27	7 $\frac{1}{4}$	7 $\frac{3}{4}$	2 10	K	7 $\frac{A}{M}$ 46	LIB	25						
336	2	W.	6 54	N	4 13	D	9 19	26	8	8 $\frac{1}{2}$	3 $\frac{A}{M}$ 11	L	8 29	LIB	26						
337	3	Th.	6 55	N	4 13	D	9 18	26	8 $\frac{3}{4}$	9 $\frac{1}{4}$	4 14	M	9 14	SCO	27						
338	4	Fr.	6 56	N	4 13	D	9 17	25	9 $\frac{1}{2}$	10	5 18	N	10 02	SCO	28						
339	5	Sa.	6 57	N	4 13	D	9 16	25	10 $\frac{1}{4}$	10 $\frac{3}{4}$	6 $\frac{A}{M}$ 22	O	10 53	SGR	29						
340	6	S.	6 58	O	4 12	C	9 14	25	10 $\frac{3}{4}$	11 $\frac{1}{4}$	sets	—	11 $\frac{A}{M}$ 47	SGR	0						
341	7	M.	6 59	O	4 12	C	9 13	24	11 $\frac{1}{2}$	—	5 $\frac{P}{M}$ 10	C	12 $\frac{P}{M}$ 42	CAP	1						
342	8	Tu.	7 00	O	4 12	C	9 12	24	0	0 $\frac{1}{4}$	6 16	C	1 38	CAP	2						
343	9	W.	7 01	O	4 12	C	9 11	23	0 $\frac{3}{4}$	0 $\frac{3}{4}$	7 27	D	2 31	CAP	3						
344	10	Th.	7 02	O	4 12	C	9 10	23	1 $\frac{1}{2}$	1 $\frac{3}{4}$	8 39	F	3 23	AQR	4						
345	11	Fr.	7 03	O	4 12	C	9 09	22	2 $\frac{1}{4}$	2 $\frac{1}{2}$	9 51	G	4 13	AQR	5						
346	12	Sa.	7 04	O	4 13	C	9 09	22	3 $\frac{1}{4}$	3 $\frac{1}{2}$	11 $\frac{P}{M}$ 03	H	5 02	PSC	6						
347	13	S.	7 04	O	4 13	C	9 09	21	4	4 $\frac{1}{2}$	—	—	5 50	PSC	8						
348	14	M.	7 05	O	4 13	C	9 08	21	5	5 $\frac{1}{2}$	12 $\frac{A}{M}$ 16	J	6 39	ARI	9						
349	15	Tu.	7 06	O	4 13	C	9 07	21	6	6 $\frac{1}{2}$	1 30	K	7 31	ARI	10						
350	16	W.	7 06	O	4 14	C	9 08	20	7	7 $\frac{1}{2}$	2 46	M	8 25	TAU	11						
351	17	Th.	7 07	O	4 14	C	9 07	20	8	8 $\frac{1}{2}$	4 03	N	9 23	TAU	12						
352	18	Fr.	7 08	O	4 14	C	9 06	19	8 $\frac{3}{4}$	9 $\frac{1}{2}$	5 18	O	10 23	G'M	13						
353	19	Sa.	7 08	O	4 15	C	9 07	19	9 $\frac{3}{4}$	10 $\frac{1}{4}$	6 $\frac{A}{M}$ 27	P	11 $\frac{P}{M}$ 24	G'M	14						
354	20	S.	7 09	O	4 15	C	9 06	18	10 $\frac{1}{2}$	11 $\frac{1}{4}$	rises	—	—	—	—						
355	21	M.	7 10	O	4 16	C	9 06	18	11 $\frac{1}{2}$	—	5 $\frac{P}{M}$ 32	O	12 $\frac{A}{M}$ 23	CNC	15						
356	22	Tu.	7 10	O	4 16	C	9 06	17	0	0 $\frac{1}{4}$	6 42	N	1 18	CNC	16						
357	23	W.	7 11	O	4 17	C	9 06	17	0 $\frac{3}{4}$	1	7 49	L	2 10	LEO	17						
358	24	Th.	7 11	O	4 17	C	9 06	16	1 $\frac{1}{2}$	1 $\frac{3}{4}$	8 54	K	2 56	LEO	18						
359	25	Fr.	7 11	O	4 18	C	9 07	16	2 $\frac{1}{4}$	2 $\frac{1}{2}$	9 57	J	3 40	VIR	19						
360	26	Sa.	7 12	O	4 18	C	9 06	15	3 $\frac{1}{4}$	3 $\frac{1}{4}$	10 57	I	4 21	VIR	20						
361	27	S.	7 12	O	4 19	C	9 07	15	4	4 $\frac{1}{4}$	11 $\frac{P}{M}$ 58	G	5 02	VIR	21						
362	28	M.	7 12	O	4 19	C	9 07	14	4 $\frac{3}{4}$	5	—	—	5 42	LIB	22						
363	29	Tu.	7 13	O	4 20	C	9 07	14	5 $\frac{1}{2}$	6	12 $\frac{A}{M}$ 58	F	6 23	LIB	23						
364	30	W.	7 13	O	4 21	C	9 08	13	6 $\frac{1}{2}$	7	2 01	E	7 06	SCO	24						
365	31	Th.	7 13	O	4 21	O	9 08	13	7 $\frac{1}{4}$	7 $\frac{3}{4}$	3 $\frac{A}{M}$ 03	D	7 $\frac{A}{M}$ 53	SCO	25						



Remembering how the Lord God made heaven and earth
And the fullness thereof
Out of his very great love,

I have taken it on myself to fashion, here,
The images thereof.
These, too, are shapes of love.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	♀ Gr. El. 88C Tides {8.7	<p>The farm year as we look back on it can be a confused jumble of impressions unless we have had some system in keeping farm records. Of course we all keep records and whether they be in a jumble or not is chiefly a question of keeping them faithfully and then filing them.</p> <p>Our check book will give us simply enough our costs if we pay all bills by check. Our daily diary reports what we have done on the farm and materials used, and it also records the weather. Unless we need a more arduous system of daily or weekly cards reporting the activities of each worker (and this will be necessary where many are employed) the diary will carry the story of each worker's daily activities. Milk records, egg records, etc., are recorded on the spot and summarized and checked on frequently—as are the receipts for what is owed us.</p> <p>But there is another kind of record and that is a photographic record of our farm year. For each week, let us say, we take one roll of film covering every phase of farm activity—seeding the new piece, the apple trees in dormant stage, the ploughing and harrowing for the corn, etc. These photographs may be appropriately filed as to subject and have transcribed on their backs such information from our diary as we may wish to record in this way.</p> <p>A Merry Christmas to you—and a photogenic New Year.</p>
2	W.	Chanukah Atomic age began 1942 Tides {7.9	
3	Th.	♂ h C [2 nd ♂ ψ C] Tides {9.0	
4	Fr.	♂ ψ C Grapes ripe in Bolivia Tides {8.1	
5	Sa.	♂ ψ C Phi Beta Kappa founded 1776 Tides {9.5	
6	D	2d S. in A. C rides low {8.3	
7	M.	Disaster of Pearl Harbor 1941 Hol. Del. {9.7	
8	Tu.	Conception Tides {8.4	
9	W.	of Virgin Mary Tides {8.9	
10	Th.	Gustavos Adolphus The Great born 1594 Alfred Nobel D. 1901 Tides {7.9	
11	Fr.	Edward VII abdicated 1936 Tides {10.2	
12	Sa.	[13 th ♂ ♂ ψ ♂ λ ⊙ C on Eq.] Tides {8.8	
13	D	3d S. in A. St. Lucy {10.2	
14	M.	George Washington D. 1799 Tides {9.2	
15	Tu.	in Bill of Rights Peri 1791 Tides {9.3	
16	W.	Ember days 16, 18 & 19th Tides {10.0	
17	Th.	Lazarus died 63A.D. for second time Tides {9.2	
18	Fr.	Shortest days and longest nights 17-26th Tides {10.7	
19	Sa.	♂ λ C runs high Tides {9.3	
20	D	4th S. in A. First radio message 1902 Tides {11.3	
21	M.	St. Thomas Winter begins 10:32 P.M. Tides {9.5	
22	Tu.	♂ ♂ C ♀ in ♀ Tides {11.2	
23	W.	New Orlent Coal Mine disaster 1951-21st Tides {9.4	
24	Th.	Last Horse Car in Boston 1900 Tides {10.9	
25	Fr.	Christmas Tides {9.2	
26	Sa.	St. Stephen on Eq. Tides {9.4	
27	D	1sta. Ch. ♀ in ♀ St. John Tides {9.8	
28	M.	Holy Underground Innocents Moon C on Eq. Tides {8.7	
29	Tu.	♂ ψ C Merry yesterday bad luch all the way Tides {9.3	
30	W.	♂ ♂ C ♂ h C Tides {8.6	
31	Th.	Lowest evening high tide of year Tides {7.6	



Relieve the **PRESSURE PAIN** of **Sore, Aching Muscles!**

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

RAM. Aries, THE HEAD.
(ARI) MAR. 20-APRIL 20

TWINS.
Gemini,
ARMS.
(G'M)

LION,
Leo.
HEART.
(LEO)

BALANCE,
Libra.
REINS.
(LIB)
SEPT. 22
OCT. 22.

ARCHER,
Sagittarius,
THIGHS.
(SGR)

WATERM'N
Aquarius,
LEGS.
(AQR)



BULL,
Taurus,
NECK.
(TAU)

CRAB,
Cancer,
BREAST.
(CNC)
JUNE 21
JULY 21.

VIRGIN,
Virgo,
BOWELS.
(VIR)

SCORPION,
Scorpio,
LOINS.
(SCO)

GOAT,
Capricornus,
KNEES.
(CAP)
DEC. 21
JAN. 21.

FISHES. Pisces, THE FEET.
(PSC)

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. We give him to you at their request that you may laugh at, rather than believe in, his antics. As the earth spins its way around the sun, we have noted the sun (since about 3000 B.C.) "passes through" 12 divisions of the sky, marked off roughly by 30 day periods, and distinguished respectively by 12 different constellations said to resemble for any mundane star gazer, by the formation or pattern of the stars, the animals whose names appear above. At certain times of the year, for example, we say, "It is Spring, the Sun enters Aries." (See bottom page 11.) By studying the next to last column of pages 12 to 34, you will note the moon's place in the zodiac for everyday in the year. Abbreviations (ARI for Aries, etc.) correspond with those in parentheses above.

PLANTING BY THE ZODIAC

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. That is, supposedly, crops or flowers which bear crops above ground do better when planted by the "light of the moon" — viz., in the new or first quarter. Those which have root crops like potatoes or iris prefer being planted during the full or last quarter.

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 the crop indicated during 1953.

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 13-20	Mar 15-Apr 7	Mar 15-22	Feb 15-Mar 7
Beans (Early)	May 7-Jun 21	May 13-20	Apr 15-30	Apr 13-20	Mar 15-Apr 7	Mar 15-22
(Late)	Jun 15-Jul 15	Jun 11-19	Jun 1-21	Jun 11-19	Aug 7-30	Aug 9-17
Beets (Early)	May 1-15	May 6-13	Mar 15-Apr 30	Mar 15	Feb 7-29	Feb 6-13
(Late)	Jul 15-Aug 15	Jul 26-31	Jul 15-30	Jul 26-31	Aug 7-30	Aug 1-9
Broccoli (E)	May 15-30	May 13-20	Mar 7-30	Mar 15-22	Feb 15-Mar 15	Feb 13-20
(Late)	Jun 15-Jul 7	Jun 11-19	Aug 1-20	Aug 9-16	Sept 7-30	Sept 8-16
Brussels Spr.	May 15-30	May 13-20	Mar 7-Apr 15	Mar 15-22	Feb 11-Mar 20	Feb 13-20
Cabbage (E)	May 15-30	May 13-20	Mar 7-Apr 15	Mar 15-22	Feb 7-Mar 20	Feb 13-20
(L)	Jun 7-Aug 7	Jun 11-19	Jun 1-Jul 7	Jun 10-18	Jul 15-30	Jul 10-18
Carrots (E)	May 15-20	May 13-20	Mar 7-31	Mar 8-15	Feb 15-Mar 7	Feb 6-13
(Late)	Jun 15-Jul 21	Jun 26-J. 14	Apr 7-May 30	Apr 20-28	Aug 1-Sept 7	Aug 1-9
Cauliflower (E)	May 15-30	May 13-20	Mar 15-Apr 7	Mar 8-15	Feb 15-Mar 7	Feb 13-20
(Late)	June 15-Jul 21	Jun 11-19	Jun 1-Jul 7	Jun 11-19	Aug 7-30	Aug 9-17
Celery (Early)	May 15-Jun 30	Jun 1-4	May 7-30	May 6-13	Apr 15-30	Apr 6-13
(Late)	Jul 15-Aug 15	Jul 26-30	Jun 15-Jul 7	Jun 26-30		None
Corn, Sweet (E)	May 15-Jun 15	May 13-20	Mar 15-30	Mar 8-15	Feb 15-29	Feb 13-20
(Late)	Jun 15-30	Jun 11-19	May 7-Jun 21	May 13-20	Aug 7-30	Aug 9-17
Cucumber	May 7-Jun 20	May 13-20	Apr 7-May 15	Apr 13-20	Mar 7-Apr 15	Mar 15-22
Egg Plant	Jun 1-30	Jun 11-19	Apr 7-May 15	Apr 13-20	Mar 7-Apr 15	Mar 15-22
Endive (Early)	May 15-30	May 12-20	Apr 7-May 15	Apr 13-20	Feb 15-Mar 20	Feb 13-20
(Late)	Jun 7-30	Jun 11-19	Jul 15-Aug 15	Jul 10-18	Aug 15-Sept 7	Aug 9-17
Kale (Early)	May 15-30	May 13-20	Mar 15-Apr 7	Mar 15-22	Feb 15-Mar 7	Feb 13-20
(Late)	Jul 1-Aug 7	Jul 10-18	Jul 15-31	Jul 10-18	Sept 7-30	Sept 8-16
Leek	May 15-30	May 13-20	Mar 7-Apr 7	Mar 15-22	Feb 15-Apr 15	Feb 13-20
Lettuce	May 15-Jun 30	May 13-20	Mar 1-31	Mar 15-22	Feb 15-Mar 7	Feb 13-20
Melon (Musk)	May 15-Jun 30	May 13-20	Apr 15-May 7	Apr 13-20	Mar 15-Apr 7	Mar 15-22
Onion	May 15-Jun 7	May 6-13	Mar 1-31	Mar 8-15	Feb 1-28	Feb 6-13
Parsley	May 15-30	May 13-20	Mar 1-31	Mar 15-22	Feb 20-Mar 15	Feb 13-20
Parsnip	Apr 1-30	Apr 6-13	Mar 7-31	Mar 8-15	Jan 15-Feb 7	Jan 8-15
Peas (Early)	Apr 15-May 7	Apr 13-20	Mar 7-31	Mar 15-22	Jan 15-Feb 7	Jan 15-22
(Late)	Aug 15-30	Aug 9-17	Jul 7-31	Jul 10-18	Aug 15-30	Aug 9-17
Pepper	May 15-Jun 30	May 13-20	May 1-31	May 13-20	Apr 1-20	Apr 13-20
Pumpkin	May 15-30	May 13-20	Apr 23-May 15	Apr 13-20	Apr 7-20	Apr 13-20
Potatoes	May 15-30	May 6-13	Apr 7-May 30	Apr 6-13	Jan 1-Mar 7	Jan 8-15
Radish (Early)	Apr 15-30	Apr 6-13	Mar 7-31	Mar 8-15	Jan 21-Mar 1	Jan 8-15
(Late)	Aug 15-30	Aug 17-31	Aug 7-31	Aug. 1-9	Sept 1-21	Sept 22-29
Spinach (E)	May 15-30	May 13-20	Mar 15-Apr 20	Mar 13-20	Feb 7-Mar 15	Feb 13-20
(Late)	Jul 15-Sept 7	Jul 10-18	Aug 1-Sept 15	Aug. 9-17	Sept 1-21	Sept 8-16
Swiss Chard	May 1-30	May 13-20	Mar 15-Apr 15	Mar 13-20	Feb 7-Mar 15	Feb 13-20
Summer Squ	May 15-Jun 15	May 13-20	Apr 15-May 15	Apr 13-20	Mar 15-Apr 15	Mar 15-22
Tomato	May 15-30	May 13-20	Apr 7-30	Apr 13-20	Mar 7-20	Mar 15-22
Turnip (Early)	Apr 7-30	Apr 6-13	Apr 7-30	Apr 6-13	Jan 20-Feb 15	Jan 8-15
(Late)	Jul 1-Aug 15	Jul 26-31	Aug 1-20	Aug 1-9	Sept 1-Oct 15	Sept 22-29
Wheat (Fall)	Oct 7-30	Oct 7-15	Sept 15-Oct 20	Sept 8-15	Oct 15-Dec 7	Oct 7-15
(Spring)	Apr 7-30	Apr 13-20	Apr 1-20	Apr 13-20	Mar 15-31	Mar 15-22

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.

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		

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UNDERWOOD'S!



TIP:

Underwood's does wonders for eggs! Mix it into omelets and souffles. Spread it on toast under poached eggs.

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THE ORIGINAL...ALL FINE HAM...ZESTFULLY SEASONED

Send for FREE RECIPE FOLDER! Wm. Underwood Co., 84 Walnut St., Watertown 72, Mass.

RECIPES — KITCHEN HINTS —



SNATCHES 'N SNACKS

Whatever the season there's always the reason for snatches 'n snacks . . . This could mean Sunday night suppers, bits to nibble before an early movie, lunches to take to the porch and late snacks for family or friends after a concert, grange meeting or just because you're hungry.

Of course eggs lead the list of quick-fix foods. Always on hand, nutritious and easily prepared they also possess their share of glamour. For example:

EGGS 'N HASH

Cover the bottom of a well greased baking dish with warm corned beef hash. With a tumbler make deep hollows in the hash, dot each with butter and then break an egg into it. Season as desired with salt and pepper and cover with one tablespoon heavy cream. Bake in a 400°F. oven until the eggs are set and serve in the same dish in which they have been cooked.

EGGS 'AND'

Cut a circle from a slice of bread and butter both sides generously. Place in a hot buttered frying pan over low heat. Drop an egg into the center. Cook slowly until the egg is set and the underside is brown, then turn and brown on the other side. Season, garnish and serve with sausage cakes.

SUPPER DISH SPAGHETTI

(Prepare ahead of time)

$\frac{1}{2}$ cup shredded American Cheese	3 hard cooked eggs, chopped
$\frac{1}{4}$ cup minced green pepper	2 cups medium white sauce
$\frac{1}{4}$ cup minced pimiento	Boiled spaghetti

Prepare the white sauce and add the cheese, chopped pepper, pimiento and hard cooked eggs into it and then mix gently with the cooked spaghetti. Pour into buttered casserole and bake until golden brown on the top. Sprinkle with pimiento filled green olives and serve hot from the casserole.

NOODLE MIX-UP

Mix one can salmon with toasted almonds, salt and pepper and hot buttered noodles into a medium white sauce. Place in a buttered casserole and sprinkle with dry wheat cereal and bake in a 350°F oven for about fifteen minutes.

BROILED RICE AND OYSTERS

$\frac{1}{2}$ cup minced onions	$\frac{1}{2}$ teas. salt
2 cups chopped celery	$\frac{1}{4}$ tsp. sage
3 T. all purpose flour	Pinch of thyme
$\frac{1}{2}$ cup milk	Pepper
3 cups hot drained, boiled Wild Rice	1 pint small oysters
	$\frac{1}{2}$ cup buttered cracker crumbs

Brown the onions and the chopped celery in butter and then stir in flour, milk, rice and seasonings and place in a shallow rectangular baking dish. Dip oysters in melted butter and crumbs and arrange over top of rice. Sprinkle with crumbs and place beneath the broiler and broil slowly until the oysters curl. Serve hot.



Old fashioned supper

Long before it was time to eat, you sniffed that warm, mellow, spicy fragrance.

Then — at last — in she came, with the brown and tan crockery bean pot wrapped in a white cloth, fresh from the hot brick oven.

After that, it was just you and that big piping-hot plate of juicy, tender beans — and no time for talk. You were happy (and she knew it). It was Saturday night . . . time for your favorite Baked Bean Supper.

Want an old-fashioned, tempting supper like that? Tonight? All right, just try B&M New England Brick Oven Baked Beans. They're made the slow, careful, home-baked way . . . the way that gives you the rich,

hearty flavor of real Down-East Baked Beans. It's a flavor that comes from plump, tender beans with a rare tangy sauce of old-time spicings and big chunks of pork, slow-baked all day long in real bean pots in real brick ovens 'til every bean is chock-full of deep-down good eating. It's a flavor you won't forget.

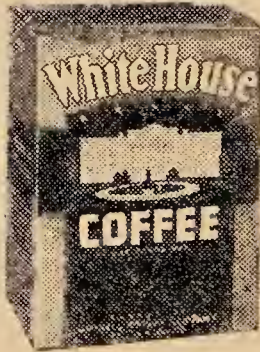
B&M Baked Beans come in tins or glass jars. Just heat them and serve. (And for a real Baked Bean Supper serve them with B&M's rich Brown Bread with Raisins.)



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*Enjoy really good coffee, vacuum
packed or in the economy package,
and priced to save you money.*

ask your grocer for

WHITE HOUSE COFFEE

Box 1871

BOSTON, (5) MASS.

HOUSEHOLD HINTS

1. Should olive oil become cloudy add 1 teaspoon salt for each quart and let stand at room temperature overnight.
2. Try adding bread crumbs to your scrambled eggs. They'll go farther and add taste appeal and better texture.
3. When eggs are cracked and you wish to boil them add 1 T. salt to each quart of water.
4. For new richness in your gravy try adding 1 T. evaporated milk.
5. When you've over salted a food take a piece of clean white cloth and stretch across the top of the pot. Sprinkle it with flour and as the contents of the pot cooks the cloth will absorb the surplus in short time.
6. When you have the time dry out stale bread in the oven and then run it through your food grinder and store in a tight jar to be already when you need it.
7. Drop a small piece of butter in rice or spaghetti water and you'll find that it won't boil over.
8. If you've overcooked custard so that it curdles take your beater and whip until smooth.
9. To sour milk just stir in 1 tablespoon vinegar to each cup sweet milk.
10. Always remove milk stains with cold water. Also . . . for easy washing rinse milk glasses in cold water before washing.
11. What to do with left over cooked cereal? Chill it and then pan fry it and serve with syrup.
12. If you're troubled with rust spots, i.e., white gloves, shirts, kitchen towels, etc., soak with lemon juice and then cover with salt and then allow to stand in the sun until the stain disappears.
13. If you wish to clarify fat that you've already used in frying drop several slices of raw potatoes into warm fat and then reheat slowly and stir occasionally. Remove browned potatoes and strain the fat through cheesecloth which you've laid in the bottom of a strainer. Cool in refrigerator.
14. Do not store foods in the refrigerator in brown paper bags since the cold cannot penetrate them.
15. Freshness IS important. When shopping for fruits and vegetables remember that the longer they've been in the market the more vitamins they've lost. Put fruits and vegetables into your refrigerator as soon as you get home.
16. When serving cucumbers, peel, score the sides with a fork and chill in the refrigerator before adding to a salad.
17. Always save the outside leaves of lettuce, cabbage, celery, etc., to add to soup.
18. When you hardcook an egg remember to simmer in hot water . . . DO NOT BOIL . . . for about thirty minutes.
19. To scald, can mean to dip food in boiling liquid for a short time or to pour boiling water over object.
20. When using wine in recipes always follow the suggested quantity and remember that when you use wine in cooking you are not feeding alcohol to your family since it will lose its alcoholic content under heat.

OLD FARMER'S ALMANAC SPECIALS

REAL MINCEMEAT

3 pounds lean beef chopped fine	½ cup orange juice
2 pounds chopped suet	2 T. salt
3½ quarts apples chopped fine	4 cups sugar
3 pounds seedless raisins, chopped	1 cup black coffee
2 pounds currants	2 cups cider
1¼ pounds citron cut in small pieces	1¼ teas. cloves
½ cup chopped candied orange peel	1 teas. allspice
½ cup chopped candied lemon peel	2 teas. cinnamon
½ cup lemon juice	4 cups brandy
	½ cup sherry
	1 cup currant jelly

Mix all the ingredients except the sherry and the brandy and cook for about two hours. When cool, not cold, add the liquor and let stand in an earthenware crock for at least a week before using. You'll find that the above recipe will make about twelve quarts and will keep for an indefinite period in a cool place.

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since 1887—

LOG CABIN SYRUP!



It's 66 years since
New Englanders first bought
Log Cabin, and they still
enjoy that wonderful
maple flavor. The Log Cabin
packed for New England is a
special blend of sugar and
Vermont maple sugar! It's
rich in that "Sugarbush"
flavor New Englanders
naturally love!

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Folks buy far more **LOG CABIN**
than any other maple-blended syrup!

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OF GOOD EATING



Old New England recipes and New England foods are famed throughout the world. That's why we are proud that more New Englanders shop at First National Stores than at any other food stores.

FIRST NATIONAL
STORES

ANECDOTES & PLEASANTRIES

THE COMPLEAT ANGLER

I care not, I, to fish in seas—
 Fresh river best my mind do
 please,
 Whose sweet calm course I con-
 template,
 And seek in life to imitate:
 In civil bounds I fain would
 keep,
 And for my past offenses weep.

And when the timorous trout I
 wait,
 To take, and he devour my bait,
 How poor a thing, sometimes I
 find,
 Will captivate a greedy mind:
 And when none bite, I praise
 the wise,
 Whom vain allurements ne'er
 surprise.

Izaak Walton

FOUR-FIFTHS OF A PIG

"The whole hog or nothing" is what a farmer of Westminster, Mass., must have thought when he was faced with killing four-fifths of a pig. The slaughter house explained that the Office of Price Stabilization wouldn't permit them to slaughter more than 20% of the animals brought in and that worked out to four-fifths of a pig for the farmer.

FROM MARK TWAIN'S NOTEBOOK

"Wit and Humor—if any difference it is in duration—lightning and electric light. One is vivid, brief—the other fools along and enjoys elaboration.

"No gentleman ever swears—the obscure person who shouts this from his pulpit, or his good goody paper, sees no immodesty in setting himself above Wellington, Washington, etc.

"U. S. Government:

'We have killed 200 Indians.'

'What did it cost?'

'\$2,000,000.'

'You could have given them a college education for that.'

"I went to church the first Sunday (in Germany) and on Tuesday came a tax of twelve marks for church support. I have not been to church since. I can't afford religious instruction at that price. Only the rich can be saved here.

"Truth is the most precious thing we have. Economize it.

"Noise proves nothing. Often a hen that has merely laid an egg cackles as if she had laid an asteroid.

"What marriage is to morality, a properly conducted liquor license is to sobriety.

"The human imagination is much more capable than it gets credit for. That's why Niagara is always a disappointment when we see it for the first time.

"(Greeting to 1900) The 20th century is a stranger to me. I wish it well but my heart is all for my own century. I took 65 years of it, just on a risk, but if I had known as much about it as I know now I would have taken the whole of it.

"What is the difference between a taxidermist and a tax collector? The taxidermist takes only your skin.

"The man who is a pessimist before 48 knows too much; if he is an optimist after it, he knows too little.

"Man was made at the end of the week's work, when God was tired."

THE SENSITIVE CAT

There once was a sensitive cat
 Who couldn't abide the word
 "scat."

"If you want me to go,"
 She yowled, "Say so, you know,
 But don't be so rude as all that."

(Alice Brown in The St. Nicholas)

THE ORDER OF THE BATH

The first building (a hotel) in the world said to have a "bath in every room" was the Buckingham, built in the 1870's. "way uptown" at the corner of Fiftieth Street and Fifth Avenue in New York, then a fashionable country resort. The spot upon which the Buckingham was built is the site of Radio City where the offices of business executives are equipped with private baths hundreds of feet in the air.

FOOD FOR THOUGHT

Sings the chicken:

"Why worry about tomorrow
 When it really doesn't mat-
 ter.

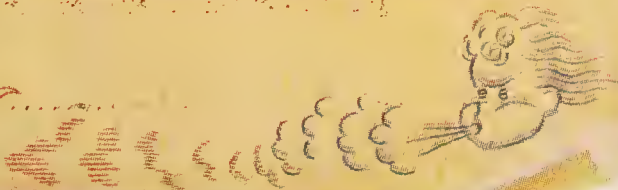
Let's face it, men, we might as
 well,

We'll wind up on a platter."



Chiquita Banana
presents her

***FAVORITE BANANA
RECIPE FOR EVERY
MONTH IN THE YEAR***



The photographs of New England scenes on the following pages were taken by the internationally famous photographer Samuel Chamberlain.



Congregational church at Jaffrey, New Hampshire.

A midwinter favorite with everyone!

Bananas Pan-fried with Ham and Eggs

2 tablespoons butter or
margarine
2 firm bananas*

1 slice ham, cut $\frac{1}{4}$ to
 $\frac{1}{2}$ inch thick
2 eggs

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

Melt butter or margarine in large skillet. Cut ham into 2 pieces, and place in skillet. Peel bananas and fry slowly with ham about 8 minutes, turning both bananas and ham frequently to brown evenly. Carefully break 1 egg at a time into saucer; slip each egg, one at a time, into skillet containing bananas and ham. Fry over low heat, about 3 minutes longer or until eggs are set, the ham is browned and bananas are tender . . . easily pierced with a fork.

Two servings.

Important: If your skillet is not large enough to fry this combination together, fry separately, using butter or margarine for the frying when the fat from the ham is insufficient.

Variation

BANANAS PAN-FRIED WITH SAUSAGE OR BACON AND EGGS: Sausage or bacon may be used in place of ham but should be fried separately. Sausage or bacon and cooked bananas make an excellent flavor combination.





Midwinter scene, Beverly, Mass.

A special treat for Valentine parties!

Banana Cherry Gelatin Dessert

1 package cherry-flavored
gelatin

2 ripe bananas*
Dessert topping

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

Mix gelatin according to package directions. Chill only until slightly thickened. Partly fill 1 pint-sized mold with gelatin. Peel bananas, slice and arrange on top of the gelatin. Fill mold with remaining gelatin. Chill until firm. Unmold. Garnish with additional slices of ripe banana and cherries, if desired. Serve plain or topped with cream, custard sauce or fruit sauce.

Makes 4 to 6 servings.

Important: If desired, 4 to 6 individual molds may be used in place of 1 large mold.

Variation

BANANA GELATIN SALAD: Serve with sour cream, mayonnaise or a tart, French-style salad dressing. Garnish with crisp salad greens.



Boat basin, Mystic, Conn.

A New England Lenten delight!

Banana Pancakes

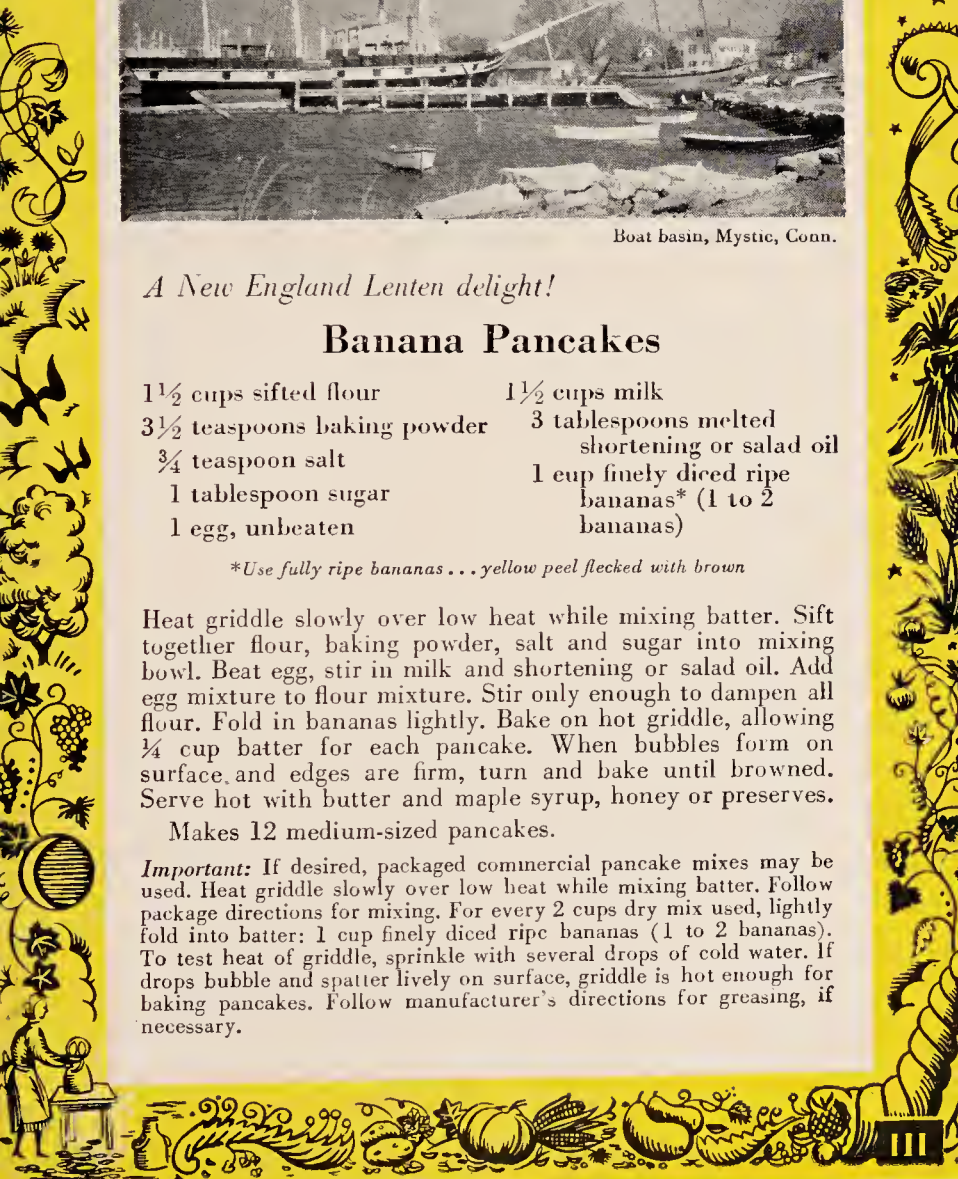
1½ cups sifted flour	1½ cups milk
3½ teaspoons baking powder	3 tablespoons melted shortening or salad oil
¾ teaspoon salt	1 cup finely diced ripe bananas* (1 to 2 bananas)
1 tablespoon sugar	
1 egg, unbeaten	

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

Heat griddle slowly over low heat while mixing batter. Sift together flour, baking powder, salt and sugar into mixing bowl. Beat egg, stir in milk and shortening or salad oil. Add egg mixture to flour mixture. Stir only enough to dampen all flour. Fold in bananas lightly. Bake on hot griddle, allowing ¼ cup batter for each pancake. When bubbles form on surface, and edges are firm, turn and bake until browned. Serve hot with butter and maple syrup, honey or preserves.

Makes 12 medium-sized pancakes.

Important: If desired, packaged commercial pancake mixes may be used. Heat griddle slowly over low heat while mixing batter. Follow package directions for mixing. For every 2 cups dry mix used, lightly fold into batter: 1 cup finely diced ripe bananas (1 to 2 bananas). To test heat of griddle, sprinkle with several drops of cold water. If drops bubble and spatter lively on surface, griddle is hot enough for baking pancakes. Follow manufacturer's directions for greasing, if necessary.



Door of the
Reverend John Williams'
house, Old Deerfield, Mass.,
built in 1707.



Sure cure for spring fever!

Banana Chocolate Cream Pie

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

**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. 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, if desired.

Makes 1 pie or 6 tarts.

PUDDING MIXES: Packaged commercial pudding mixes of any flavor may be used as filling for this pie. Prepare according to directions on package. Then cool thoroughly and follow the above recipe directions for placing filling and bananas into pie shell.



Apple orchard, Hamilton, Mass.

May is milk month and time for

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 CHOCOLATE MALTED MILK SHAKE: Add 4 teaspoons chocolate malted milk and $\frac{1}{4}$ teaspoon vanilla before mixing milk shake.

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

BANANA PINEAPPLE MILK SHAKE: Use $\frac{1}{4}$ cup canned, unsweetened pineapple juice in place of a fourth of the milk before mixing milk shake.

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

BANANA VANILLA MILK SHAKE: Add $\frac{1}{2}$ teaspoon vanilla before mixing milk shake.

Important: For a COLDER DRINK, add about 2 tablespoons of crushed ice, and ice cream if desired, before mixing milk shake.

For a SWEETER DRINK, add ice cream or plain sugar syrup.





Macy, "West Brick" and "Middle Brick" houses, Nantucket, Mass.

Mighty popular with young and old . . .

Banana Split

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

**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. Pour chocolate sauce over 1 portion of ice cream. Cover other 2 portions of ice cream with fruit sauce, crushed fruit or preserves. Garnish with whipped cream, nuts and cherry or berry, 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.



Lobster pots at Cape Porpoise, Maine.

July means hot weather and cooling

Salmon Salad Tropical

- | | |
|---|---|
| 1 cup sliced or diced, ripe bananas* (1 to 2 bananas) | 2 tablespoons chopped sweet pickle |
| ½ cup drained, diced, canned pineapple | 1 teaspoon salt |
| 1 to 1½ cups cooked, flaked salmon (fresh or canned) | 1 tablespoon mayonnaise or salad dressing |
| ½ to 1 cup diced celery | 1 tablespoon prepared mustard |
| | Lettuce |
| Salad greens for garnish | |

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

Combine bananas and pineapple. Add salmon, celery, pickle and salt. Mix together mayonnaise or salad dressing and mustard and add to banana mixture. Mix lightly. Combine 2 or 3 crisp lettuce leaves to form a cup and arrange on each salad plate. Fill each lettuce cup with salad mixture. Garnish salad with crisp salad greens.

Four to six servings.

Variations

TUNA AND BANANA SALAD: In place of salmon, use 1 to 1½ cups (one 7-ounce or one 12-ounce can) cooked, flaked tuna.

CHICKEN SALAD TROPICAL: In place of salmon, use 1 to 1½ cups, diced, cooked chicken.

Important: When canned salmon or tuna is used, drain and mix liquid with the mayonnaise or salad dressing.

One tablespoon of lemon juice may be added to the mayonnaise or salad dressing, if desired.

For additional color and texture contrast, cold, cooked peas, crisp carrot strips or radishes may be arranged on each salad.



AUGUST



Country store, Plymouth, Vermont.

A New England custom . . . porch suppers with

Banana Chiffon Cake

- | | |
|--|--|
| 2 $\frac{1}{4}$ cups sifted cake flour | 1 cup mashed ripe bananas* |
| 1 $\frac{1}{2}$ cups sugar | (2 to 3 bananas) |
| 3 teaspoons baking powder | 1 tablespoon fresh lemon |
| 1 teaspoon salt | juice |
| $\frac{1}{2}$ cup cooking or salad oil | $\frac{1}{2}$ teaspoon cream of tartar |
| 5 medium-sized egg yolks,
unbeaten | 1 cup egg whites (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).





Lighthouse at Truro, Cape Cod, Mass.

Schooldays call for lunches and

Banana Drop Cookies

- | | |
|------------------------------------|---------------------------------|
| 2 $\frac{1}{4}$ cups sifted flour | 2 eggs |
| 1 cup sugar | 1 cup mashed ripe bananas* |
| 2 teaspoons baking powder | (2 to 3 bananas) |
| $\frac{1}{4}$ teaspoon baking soda | 1 teaspoon vanilla |
| $\frac{3}{4}$ teaspoon salt | $\frac{1}{4}$ teaspoon cinnamon |
| $\frac{2}{3}$ cup shortening | 1 tablespoon sugar |

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

Sift together flour, sugar, baking powder, soda and salt into mixing bowl. Cut in shortening. Add eggs, bananas and vanilla and beat until thoroughly blended. Drop by teaspoonfuls about 1 $\frac{1}{2}$ inches apart, onto ungreased cookie pans. Sprinkle with a mixture of cinnamon and 1 tablespoon sugar. Bake in a moderately hot oven (400°F.) about 12 minutes, or until cookies are done. Remove baked cookies from pan immediately.

Makes about 3 dozen medium-sized cookies.

Variation

BANANA CHOCOLATE CUP COOKIES: Fold 1 package (6 oz.) semi-sweet chocolate pieces into cookie batter.



OCTOBER



Bullet Hill School, built in 1778, at Southbury, Conn.

October is the time for delicious

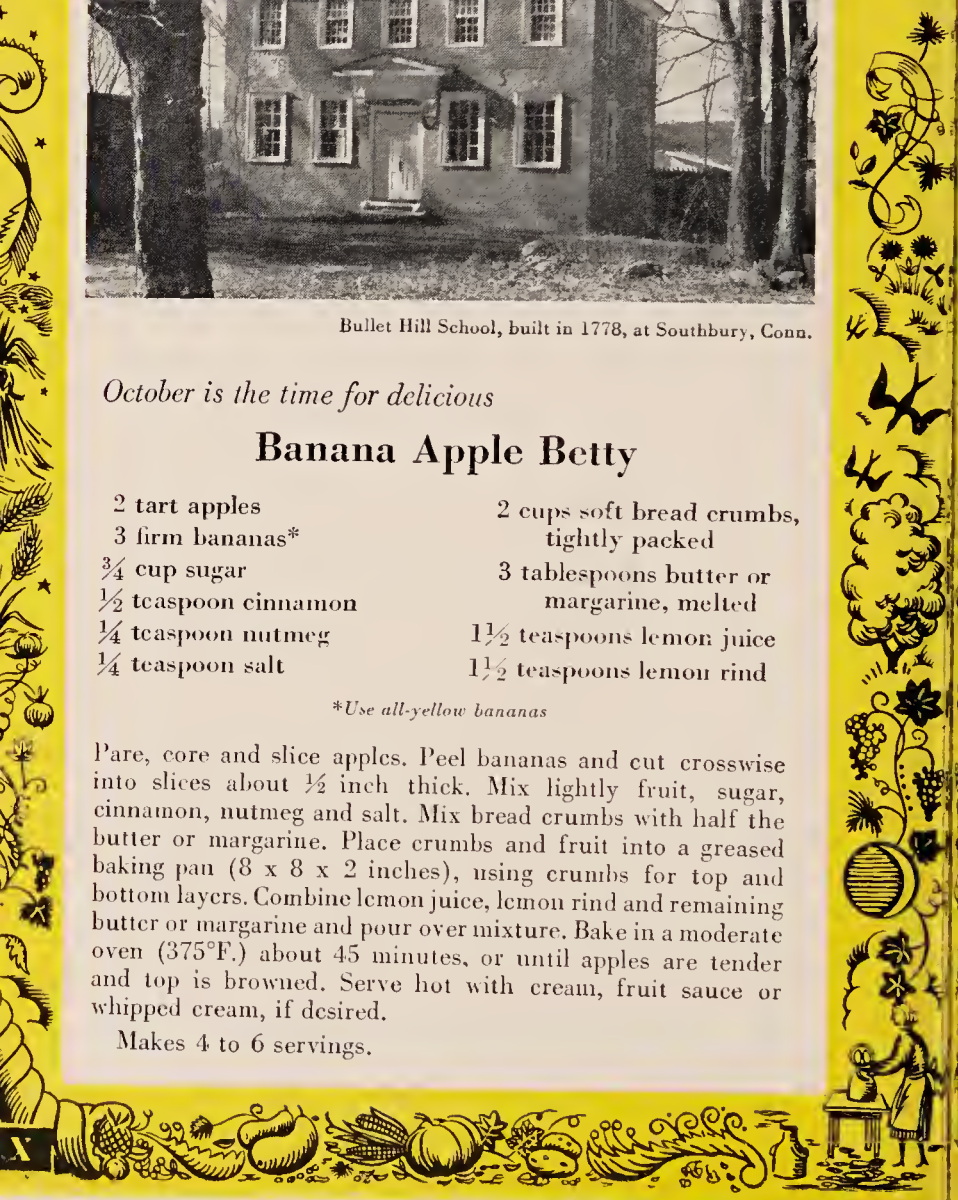
Banana Apple Betty

- | | |
|---------------------------------|--|
| 2 tart apples | 2 cups soft bread crumbs,
tightly packed |
| 3 firm bananas* | 3 tablespoons butter or
margarine, melted |
| $\frac{3}{4}$ cup sugar | $1\frac{1}{2}$ teaspoons lemon juice |
| $\frac{1}{2}$ teaspoon cinnamon | $1\frac{1}{2}$ teaspoons lemon rind |
| $\frac{1}{4}$ teaspoon nutmeg | |
| $\frac{1}{4}$ teaspoon salt | |

**Use all-yellow bananas*

Pare, core and slice apples. Peel bananas and cut crosswise into slices about $\frac{1}{2}$ inch thick. Mix lightly fruit, sugar, cinnamon, nutmeg and salt. Mix bread crumbs with half the butter or margarine. Place crumbs and fruit into a greased baking pan (8 x 8 x 2 inches), using crumbs for top and bottom layers. Combine lemon juice, lemon rind and remaining butter or margarine and pour over mixture. Bake in a moderate oven (375°F.) about 45 minutes, or until apples are tender and top is browned. Serve hot with cream, fruit sauce or whipped cream, if desired.

Makes 4 to 6 servings.





Old mill, Granby, Conn.

A Thanksgiving favorite is

Banana Cranberry Cream Pie

- | | |
|-------------------------------|----------------------------|
| 1 envelope unflavored gelatin | 2 tablespoons lemon juice |
| $\frac{1}{4}$ cup cold water | 1 teaspoon lemon rind |
| 2 cups whole cranberry sauce | 2 ripe bananas* |
| | 1 baked 9-inch pie shell |
| | 1 cup heavy cream, whipped |

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

Soften gelatin in cold water. Mix together cranberry sauce, lemon juice and lemon rind. Dissolve gelatin over hot water. Stir into cranberry sauce mixture. Chill mixture until slightly thickened. Peel and slice bananas. Fold lightly into cranberry mixture. Pour into pie shell and chill until firm. Top with whipped cream. Garnish with additional slices of ripe banana, if desired.

Makes 1 9-inch pie.





Famous Faneuil Hall, Boston, Mass.

Festive fare for the holidays

Holiday Banana Tea Bread

- | | |
|--|---|
| 1 $\frac{3}{4}$ cups sifted flour | $\frac{1}{4}$ cup (2 ounces) finely cut,
candied pineapple |
| 2 teaspoons baking powder | $\frac{1}{4}$ cup (2 ounces) finely cut,
candied cherries |
| $\frac{1}{4}$ teaspoon baking soda | $\frac{1}{4}$ cup (2 ounces) thinly
sliced citron |
| $\frac{1}{2}$ teaspoon salt | $\frac{1}{4}$ cup (2 ounces) finely cut,
candied orange peel |
| $\frac{1}{3}$ cup shortening | $\frac{1}{4}$ cup raisins |
| $\frac{2}{3}$ cup sugar | |
| 2 eggs, well-beaten | |
| 1 cup mashed ripe bananas*
(2 to 3 bananas) | |
| $\frac{1}{2}$ cup walnuts or pecans,
broken | |

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

Sift together flour, baking powder, soda 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. Add nuts, pineapple, cherries, citron, orange peel and raisins, mixing only enough to distribute fruit evenly. Turn into well-greased bread pan ($8\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ inches) and bake in a moderate oven (350°F.) about 1 hour 10 minutes or until bread is done.

Makes 1 loaf.



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Glooms the pig:

"The lives of swine are short
and sorry—
Pig today and pork tomorry."

*HIS ATTENTION WAS
DIVERTED*

Johnson—"I saw Mat this morning."

Jackson—"Ah! ha!"

Johnson—"Yes, and I had a great mind to speak to him. He owes me \$50."

Jackson—"I hear he has been sick. How was he looking?"

Johnson—"Well, he was looking the other way when I met him."

JUST BETWEEN US COWS

Says the bright young Black Angus calf (who ought to have her tail twisted) to her friend the Jersey: "The difference between a milk cow and a beef cow is, they'll only want you for what they can get out of you, while they'll want me for what I am."

(The Rural New Yorker)

WORDS OF WISDOM

Life never gets a goldfish down. An apple a day keeps the doctor away—unless it's a green one.

Only believe half of what you hear. Then get it in writing.

No axe cuts so well as the one you had before.

As the little dog said when they cut off his tail, "It won't be long now."

There is nothing nicer than a little bit of money (as we have mentioned before).

*THEY SHALL HEAR THE
TRUTH TWICE*

The Reverend Dr. Strong of Hartford, Conn. (this was back in the 1870's) was not often outwitted by his congregation. On one occasion he had invited a young minister to preach for him, but he proved a dull speaker and interminably long. The congregation was thoroughly wearied before it was all over. Now those were the days when the two a day Sunday service was in order—and a matter of conscience. Time for the afternoon service rolled around.

Dr. Strong lived near the bridge across the Connecticut and about the time for beginning of the service he saw his people flocking in great numbers across the bridge to the "other" church. He readily understood that they feared, if they came to his church, they might hear the same young man in the afternoon. Collecting his wits he said to the young minister, "My brother who ministers at the church across the

river is very feeble and I know he will take it kindly if you will preach to his people. If you will agree, I will give you a note to him, and be as much obliged to you as I would to have you preach for me. And I want you to preach the same sermon that you preached to my people this morning."

The young minister, supposing this to be a recommendation of his sermon, started off in good spirits, delivered his note, and was most cordially invited to preach. He saw before him at least half of Dr. Strong's people, and they had to listen for two hours to the same sermon they had heard in the morning.

And with that we are reminded that we have always wanted to requote the following from the Old Farmer of 1896.

TWO PRAYERS

Our minister gets up to pray,
and lets the spirit flow,
And tells the Lord a lot er things
he thinks he ought to know;
Tells him about the government,
how politics'll turn,—
Coz He don't mix in politics and
hez no way to learn.

He preaches on the President,
and describes his evil natur',
And gives away the Cabinet and
our venal legislatur';
Shows how corruption festers, an'
tells of things, I fear,
That the Lord—they come so
sudden—will be surprised to
hear.

He takes the cyclopedy, an' he
weaves it in his prayer,
Sandwiched in with choice statistics
which he picks every-
where.
They say the Lord knows every-
thing,—sometimes I uster
doubt;
Now, I know, our pastor tells
him; that's the way he finds it
out.

In the meetin' t'other evenin' he
lifted up his face,
And much interestin' gossip laid
before the Throne of Grace.
Chunks of useful information did
he shrewdly intersperse,
That would make the Lord en-
lightened ez to all the universe.

Then Jim Drew, the drunken
sailor, jest riz up in the aisle,
And though 'twas in a holy place,
we couldn't help but smile;
But Deacou Briggs he nudged me
hard; sez he, "Don't grin that
way,
For don't you see he's sober, and
the rascal's goin' to pray."

(Continued on page 91)

LATEST DEVELOPMENTS IN AGRICULTURAL SCIENCE

FEEDS AND BREEDS

As we write this, it is reported that the musk ox (true name is Ovibos) will be brought back to New England, which used to be part of his normal range. As you read this, perhaps John J. Teal of McGill University will be domesticating the beasts on his farm for the Vermont Animal Research Foundation. Ovibos can put up with any amount of snow and can live off forage that would not support a cow or a sheep. Half way between sheep and cow, Ovibos has meat that is better than beef, wool that is the lightest and the softest known, and milk that is as good as cow's milk. Theoretically Ovibos will require no attention. The question is—can he be domesticated?

Calves fed aureomycin concentrate made 12 to 14% greater gains than like fed calves getting no aureomycin in a recent test at the Vermont Agricultural Experiment Station. The greater gains of the anti-biotic-fed calves were produced with only slightly more feed. The supplemented calves made better use of their feed, requiring 1.58 pounds of total nutrients to produce a pound of gain while the control calves consumed 1.72.

Aureomycin in the form of an ointment is invaluable to stop mastitis, the number one interrupter in the flow of saleable milk.

The National Farm Chemurgic Council rates the use of a newly processed synthetic milk substitute for sow's milk as one of the most important scientific developments of the past year. This synthetic milk is composed of dried milk by-products, fats, vitamins, minerals and terramycin, and is known as terralac. Pigs using terralac can be taken from their mothers within 48 hours of birth as against the usual weaning age of 56 days. Less mortality on pigs fed on terralac, and at 13 weeks they will average to weigh 98 pounds against the 70 pounds of litter mates raised on the mother. Another advantage is that a sow freed of its litter holds its weight and condition and can raise three litters a year instead of two. Actually this synthetic milk can be used to raise all kinds of other animals with equally good results. Price is, at the present, 35 cents a pound and it will take about 12 pounds to get the pig to the weaning age.

How would you like a nice midget turkey for your Sunday dinner—plump and full-grown at about 8 pounds. G. T. Klein of the University of Massachusetts says that if you want to get into the raising of these midget birds the best and most uniform strain he knows is the Beltsville. They are readily available and the price of poults is not prohibitive.

Maybe you know about the pheasant-chicken. There is such a bird—a true (and often thought impossible) cross between a pheasant and a chicken. James H. Knowles of Centralia, Washington, has produced the bird and named it the Northwester Pheasant-Chicken. After twelve years of experimenting crossing pheasants and hens, it wasn't until 1944 that he got his first fertile hybrid. The Northwester Pheasant-Chicken requires nine consecutive matings by pheasants and chickens—two strains of pheasants, Ringneck and Mongolian, and two strains of chickens, Cornish and New Hampshire. The bird sells for about 10 cents a pound more than chicken, but it has as much as 15 per cent more edible meat pound for pound, is broader breasted, and the drumsticks are white meat. 17 million of them went to market last year and there will probably be twice that number in 1953.

CHEMICAL CONTROLS

The disheartening feature of chemicals to control insects and other pests is that while like DDT they may be almost 100% efficient when first used, they become less and less efficient over the years as immunity is built up against them. We still have our plagues of caterpillars that will not succumb, when they ought, to all the wonders of chemical control we can command. The mosquito

and the housefly have apparently bred a new hardness to offset our strongest assaults. By and large, however, we have kept ahead of insects and other pests by finding more powerful or utterly different chemical controls. We just wonder if we always will.

In the meantime we are finding new uses for DDT, and new places to use it, where birds and friendly insects have no immunity against it. It is of real concern to the farmer where airplane spraying of DDT is used over woodlands or marshlands nearby. There is, too, the problem of herbicides, used to destroy brush and weeds. More than 100 million acres are probably herbicided annually now with 2,4-D, 2,4,5-T and Ammate (for woody plants) and TCA for grasses. Where to destroy and when and how often directly concerns the life of our birds, since we destroy their covers and natural feeds. There has been no rule of thumb set down for use of herbicides and insecticides to do the least amount of danger to bird and beast and man. Commonsense, careful observation, and cautious reluctance to over-use these materials must guide us at the present.

For general area-wide control, the entomologists recommend less dependence on chemical sprays and dusts and more dependence on permanent control methods. They believe more emphasis should be placed on draining and filling mosquito-breeding areas, and stocking bodies of water with fish that eat the mosquito larva.

They encourage less extensive use of chemical insecticides against mosquito larva if it is practical to direct control efforts against adult mosquitoes. There is evidence that resistance builds up more rapidly when insecticides are used on larva than it does when they are used against adult mosquitoes.

MISCELLANY

On how to get rid of farm surpluses the *Farm Journal* in a poll of its readers found that a livestock solution was number one in farmers' choice. Farmers point out "that livestock cannot only eliminate most surpluses, but can at the same time improve the national diet, help conserve soil, provide more employment within agriculture, and return more of the consumer's food dollar to the farmer."

25 years from now we'll have another 25 million people as U. S. customers for our farm surpluses. By that time chemurgic research will have found many more uses for crops, and several new crops will be established.

Write your state extension director (see pages 69 and 70 for names of directors) for a list of publications put out by your state's extension service. In these you will find information about all the latest wrinkles covering everything from Animal Husbandry to "How to Grow Salad Greens and Pot Herbs in Winter."

Science is sometimes just commonsense and here are a number of commonsense ways to get rid of woodchucks in their holes: the use of cyanogas bombs. Gasoline-soaked burlap bags have been used in two ways. (1) Stuff the soaked rags down the holes and fill in the entrances. (2) Stuff the rags down the hole, drop a match in. Another method is to use 10 parts salt mixed with 1 part arsenate of lead, then put the mixture way down the hole where pets can't get at it. Whatever method you choose, use it before the chucks have their young in early summer.

The latest in baled hay are the rolled bales, the advantage being that their curved surfaces turu moisture and rain and protect the sealed-in layers beneath.

Your barn can be a damp place, almost sure to be highly humid, for a single dairy cow gives off over a gallon of moisture as vapor every day. Use of waterproof resorcinol glue in the precision manufacture of barn and utility rafters is a modern answer to overcoming effects of such dampness.

MACHINES

What appeared a couple of years ago as an interesting and promising method of applying fungicides and insecticides in orchards, has now become established practice in many large orchards. We refer to the use of concentrate materials in a mist sprayer. What the mist sprayer does is make use of a terrific air blast to carry the fine particles into the trees, since the particles are too small to be forced any distance by the pressure when expelled from the nozzles. It is customary to use concentrations of materials (DDT, lead, sulphur, etc.) of 2 to 8 times that used in standard dilute sprays. The advantage of the concentrate-mist sprayer method is that the coverage over a greater area than by the old dilute spray method and the coverage far more even and complete due to the excessive fineness of the droplets. The method is said to be actually cheaper than the old dilute spray methods.

TREES

The chestnut trees of New England long-since attacked and destroyed by blight—most of them—are still making abortive attempts at a come-back, but usually as shoots from old stumps. We have no real hope for a generation of saplings. Some nurseries are now putting on the market hardy Chinese chestnuts that will grow anywhere in the United States—and this is good news indeed. Two or more trees must be planted for pollination.

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- Alabama: P. O. Davis, Alabama Polytechnic Institute, Auburn.
- 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: J. Earl Coke, College of Agriculture, University of California, Berkeley 4.
- Colorado: F. A. Anderson, Colorado Agricultural and Mechanical College, Fort Collins.
- Connecticut: R. G. Hepburn, Associate Director, University of Connecticut, Storrs.
- 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: H. P. Rusk, 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. E. 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.
- 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: C. V. Ballard, 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: R. B. Tootell, 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. W. Creel, 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)

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Wisconsin:	W. W. Clark, Associate Director, College of Agriculture, University of Wisconsin, Madison 6.
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GREAT SHIPS

October 4, 1953 will be the 100th anniversary of the launching of the largest ship in the world. A monument on Castle Island, Boston Harbor, commemorates this event. She was 4355 tons, register; and 6000 tons capacity, 325 feet long, 53 foot beam, 39 feet depth of hold. To build her were used a million and a half feet of hard pine, over 2000 tons of white oak, 336 tons of iron, 50 tons of copper, and 15,653 square yards of canvas. She was called The Great Republic.

July 7, 1953 will also mark the first anniversary of the first Atlantic crossing of the new American liner—the United States—in the course of which she set a new Eastward coursing record of three days, ten hours and 40 minutes. The United States is but a mere 53,330 tons compared to the 83,673 tons of the Queen Mary—the largest ship afloat. The Queen Elizabeth (81,235 tons) previously held the record which she won in 1936 with a crossing of that of the United States plus ten hours and 2 minutes. The "Mary" has never pushed herself for a try at the record and probably never will.

MOBY DICK, 1951

An albino sperm whale of 56 ton was taken in December 1951 off the coast of Peru by the whaler, Anglo Norse (French Registry). Roald Daler, of Tonsberg, Norway, has photographs of this catch.

More Epitaphs

Sent in by Clara J. Hallett
Hannah Gree, Spinster
Died at the age of 92;
God takes the good, too good
On earth to stay
And leaves the bad too bad
To take away.

Added by a wag:
And that's the cause of Hannah's
Long delay.

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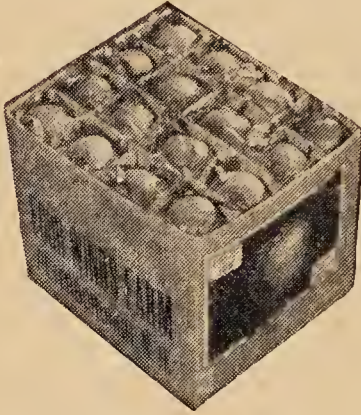
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(See offer on page 8)

THOSE NORTHERN LIGHTS

A vulgar opinion which persisted even unto the 1952 OFA is that the Aurora Borealis was never seen in England until March 6, 1715. More research on the subject (at the instance of a few irate readers) prompts us now to write that the first account in an English book of said lights appeared January 30, 1560— with subsequent accounts— October 7, 1564 and November 14, 1574.

You will also find said lights mentioned in the Bible (Maccabees V-1, 2, 3, 4.) They were known to and mentioned by Aristotle in his *De Meteoris*. They were, of course, known in England long before the Norman Conquest (See Matt. of Westminster.) The nearest approach to these northern lights in products made by the hand and brain of man is the Neon Light, seen on every Main Street, from Gill, Massachusetts to the Point de las Reyes, California.

'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, Earthquakes can occur at any time or at any place, but the Sun's rays are reflected from the Moon on the Earth with a greater strain at these periods.

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

Ed. Note. OFA readers will find the symbols telling of the Moon in relation to the Equator on pages 13-35 of this edition—also the dates and hour of the phases of the moon are to be found on the left hand pages 12-34.

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PRINCIPAL HOLIDAYS, ETC. IN 1953

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 4 (**) R. I. Independence Day
Jan. 8 (**) Battle of New Orleans	May 10 (**) Memorial Day (N. C. & S. C.)
Jan. 19 (**) Robert E. Lee's Birthday	May 10 (***) Mother's Day
Jan. 20 (**) Inaugural Day (D.C.)	May 16 (**) Armed Forces Day
Jan. 26 (**) MacArthur Day (Ark.)	May 20 (**) Mecklenburg Day (N. C.)
Jan. 30 (**) F. D. R.'s Day	May 20 (**) Citizenship Day
Feb. 4 (**) Arbor Day (Ariz.)	May 30 (*) Decoration or Memorial Day
Feb. 12 (**) Abraham Lincoln's Birthday	June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., La., Miss., S. C., Tenn., Tex. & Va.)
Feb. 14 (**) Admission Day (Arizona)	June 14 (**) Flag Day (Mo. & Pa.)
Feb. 14 (***) Valentine's Day	June 15 (**) Pioneer Day (Idaho)
Feb. 15 (***) Susan B. Anthony Day	June 17 (**) Bunker Hill Day (Suffolk County, Mass.)
Feb. 17 (**) Mardi Gras (Ala., Fla., La.)	June 20 (**) West Virginia Day
Feb. 22 (*) George Washington's Birthday	June 21 (***) Father's Day
Mar. 1 (**) State Day (Nebraska)	July 4 (*) Independence Day
Mar. 2 (**) Texas Independence Day	July 13 (**) Forrest's Day (Tenn.)
Mar. 7 (**) Burbank Day (Cal.)	July 24 (**) Pioneer Day (Utah)
Mar. 15 (**) Jackson Day (Tennessee)	Aug. 1 (**) Colorado Day
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)	Aug. 14 (**) Victory Day (R. I.)
Mar. 25 (**) Maryland Day	Aug. 16 (**) Bennington, Vt. Battle Day
Apr. 1 (**) State Election (Michigan)	Aug. 30 (**) Huey Long Day (La.)
Apr. 3 (***) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.)	Sept. 7 (*) Labor Day
Apr. 6 (**) Easter Monday (N. C.)	Sept. 9 (**) Admission Day (Cal.)
Apr. 12 (**) Halifax Day (N. Car.)	Sept. 12 (**) Defender's Day (Md.)
Apr. 13 (**) Jefferson Day (Mo., Okla., Va.)	Sept. 14 (**) Election Day (Me.)
Apr. 14 (***) Pan American Day	Sept. 16 (**) Cherokee Day (Okla.)
Apr. 19 (**) Patriots' Day (Me., Mass.)	Sept. 17 (***) Constitution Day
Apr. 21 (**) San Jacinto Day (Texas)	Sept. 28 (***) Am. Indian Day
Apr. 22 (**) Arbor Day (Nebr.)	Oct. 5 (**) Missouri Day
Apr. 22 (**) Okla. Day	Oct. 10 (**) Okla. Hist. Day
Apr. 24 (**) Arbor & Bird Day (Mass.)	Oct. 12 (*) Columbus Day
Apr. 26 (***) Memorial Day (Fla., Ga., Miss.)	Oct. 31 (**) Nevada Day
Apr. 27 (**) Fast Day (N. H.)	Nov. 1 (**) All Saints' Day (La.)
	Nov. 3 (*) Election Day
	Nov. 4 (**) Will Rogers Day (Okla.)
	Nov. 11 (**) Armistice Day
	Nov. 23 (**) Repudiation Day (Md.)
	Nov. 26 (*) Thanksgiving Day
	Dec. 7 (**) Delaware Day
	Dec. 21 (***) Forefather's Day
	Dec. 25 (*) Christmas Day

THE PLANETARY PARADE, 1953

(FACT, NOT FANCY.)

The distribution of the Planets in the sky during 1953 brings several groupings worthy of note.

Venus and Mars, both Evening Stars during the first quarter of the year, keep close company during January, February and March, marred only by a disparity of brightness that favors Venus, the brighter. Their company is closest about January 17 when Venus, moving more swiftly to the eastward across the heavens, overtakes and passes within less than a Moon's breadth of Mars. A young crescent moon joins this picture the next evening, January 18, to form a pretty triangle, as it does again on February 17 and March 17.

About April 1, Venus and Mars moving eastward together across the starry background, overtake Jupiter, the third evening star of the year's early months and the three form a fairly close triangle on the evenings about that date in the western sky after sunset.

The hours before sunrise bring other close planetary groupings in the last months of the year, though one such occurs in the latter half of July, when Venus and Jupiter are close neighbors for a while. During October it is Venus and Mars which provide the spectacle, especially on October 4 when Venus passes within an apparent half's breadth of Mars. The following morning the waning moon joins them to make a triumvirate.

A month later, in mid-November, Venus and Saturn are close heavenly neighbors.

Mercury, that planet little seen unless close watch is kept, has a helpful identifier in Venus in late April, when, on the mornings centering on April 27, they are together in the eastern sky before sunrise with Mercury to the lower right of brighter Venus. On November 14, Mercury makes itself visible, by transiting the bright face of the Sun as it passes through inferior conjunction. The transit is but a grazing one with Mercury crossing high on the sun's disc.

SPACE-WORLD FLEDGLINGS.

(SCIENCE-FICTION.)

We are farther ahead in our space-world thinking than anyone ever dreamed or wrote we would be. The expressions—in some cases, actual accomplishments, of our scientists, have long since left that dean of all dreamers, Jules Verne, back in the doldrums of a factual world.

Messages are now being picked up in New York such as "What God Hath Wrought" in Morse code, reflected back from the Moon, originally sent to the Moon from Philadelphia. Our Viking type rocket has penetrated into the 134th mile (from the earth's surface) of the atmosphere. Instrumentation of rockets with cameras and other devices is making possible temperature, density, meteor and other studies never attempted before. Ionization stratification, containing meteor particle clouds, in eight layers, some 3 miles thick, beginning at some 62 miles above our heads, have displaced the ancient conception of a visible dome. At this 62-mile ceiling, solar radiation in wave length ranges from 1425 to 1650 A° —undergoes rapid transition from O_2 to O_1 .

In that valuable publication, *American Rocket Society News*, May-June 1952 issue, is reported a lecture by one Wernher von Braun, rocket expert, technical director for guided missile development, Redstone Arsenal, at Huntsville, Alabama. Before a capacity audience, Dr. von Braun "described the possibility, within the next 10 or 15 years, of a man made Satellite—a 250 ft. wide, wheel shaped space station . . . this artificial moon, which will be carried into space, piece by piece, by rocket ships, will have specially designed powerful telescopes, optical screens, radarscopes, and cameras. It will travel along a celestial route 1075 miles above the earth, completing a trip around the globe every two hours, at a speed of 15,840 mph." It will "be capable of carrying a crew and some 30 or 40 tons of cargo." It will be "24 stories tall, weighing 7000 tons," and have "three power plants driven by a combination of hydrazine and nitric acid." Included will be "ample reserves for the return trip to earth."

Along with such stuff we were confronted recently with the statements of a respected friend that a fellow member with him on a board of directors had been told by one of America's foremost airmen that it was possible that "flying saucers" were being motivated

by some sort of detectable intelligence. The airman was said to have stated that no other explanation was possible of his experience in watching, while he was travelling close to the speed of sound, one of these saucers encircle his plane three times—and then disappear into space.

THE RAIN-MAKERS, 1953 (IMPROBABLE PROBABILITIES)

"I think," said Dr. Irving Langmuir, pioneer with Vincent Schaefer and other General Electric Company scientists in silver iodide cloud seeding back in 1946-47, "that in one or two years man will be able to abolish most damage effects from hurricanes." Former Mayor O'Dwyer of New York City, now out of range in Mexico City, bit—gave Dr. Wallace E. Howell, Harvard's proponent in this school of advanced thinking, a year's contract (February 1950-51) to perform cloud seeding which might alleviate drought conditions. When Mother Nature eventually came across on November 25, 1950, with heavy storms, the city awoke to find its municipal funds being used to make a survey to show Howell's experiments had been failures—and threatened with damage suits of over two million dollars.

When one is told by knowledgeable scientists that the total atmospheric effect of our largest atom bomb explosion would hardly be noticeable alongside a small thunderstorm, it is little wonder that experienced meteorologists are aghast at the number of otherwise sensible men and women who now still entertain such magnificent dreams as those which Dr. Langmuir expressed back in 1946-47.

Cloud seeding, as nearly as we can determine, has wonderful laboratory significance—might even be of some value in specific instances when the right kind of cloud is hanging over the right kind of land pocket—but, in the over-exaggerated thinking now being entertained about it, makes as little sense, for wide area or substantial weather control, as did the foolery of medicine men.

In a speech at the Keene Teachers College before the New Hampshire Academy of Science, May 5, 1951, Dr. Howell concerned himself with the special problem of snowfall stimulation for New Hampshire skiing.

"I do not think it is outside the realm of probability to say that the snow depth (by December 19 at Bethlehem) might be boosted in a two inch season to four inches."

An Associated Press dispatch from Washington, July 17, 1951, contained an official U. S. Weather Bureau report on this whole matter. Congress, it said, put up funds; the Weather Bureau, Air Force, Navy and National Advisory Committee for Aeronautics had completed some 40 cloud seeding tests to determine the "economic importance and usefulness" of rain-making with dry ice and other stimulators. "Man definitely can't do it in winter-time" are the exact words in the AP dispatch used to describe the Weather Bureau's final answer.



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OF AMERICAN

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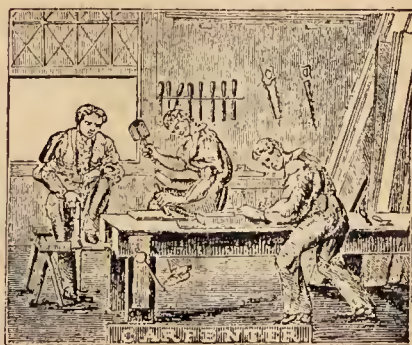
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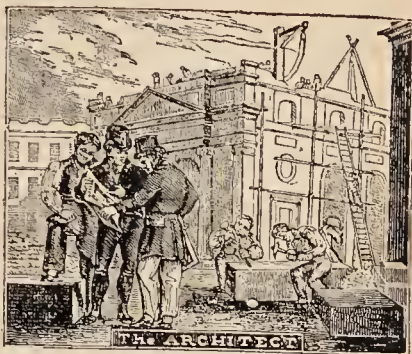
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LEONARDO'S OF 1953.



GONE BUT NOT FORGOTTEN.



SHAMPOO TODAY, MADAM?



HOME-COOKED SELLS WELL.

WORD CHARADES

(For answers turn to page 109)

1

My **first** a piece of water is;
 My **second** an exclamation:
 My **third** is used by fishermen:
 My **whole** defends the nation.

2

With letters five my name you
 spell,
 Or numerals call them quite as
 well;
 My **first** a 100 as you see,
 My **fifth** just half as much will be,
 My **second** and **third** will give us
 four,
 And **third** and **fourth** will make
 two more;
 My **whole** is what we all must be
 To make us patterns of courtesy.

3

My **first** gives light and heat, no
 doubt;
 My **second** keeps the robbers out;
 My **whole** is heard in deadly
 strife,
 Destroying or preserving life.

4

My **first** to my **whole** my **second**
 should be,
 Then all would be members of
 one family.

5

My **first** is a plaything, my **sec-**
ond no one wishes to play
 with, and my **whole** plays
 with nobody.

6

When parched earth in sunshine
 basks,
 Or rain and hail in torrents fall,
 My **second** shelters from them
 all
 And schoolboys busy at their
 tasks
 Do what my **first** imports,
 And are my **whole** when they are
 done
 And they resume their sports.

7

Five letters do comprise my name,
 From every point I'm still the
 same;
 Pray, read me, and you'll quickly
 see,
 What time will make both you
 and me.

8

My **first** is French, my **second**
 English and my **whole** is
 Latin.

9

My **first** a useful instrument
 To lawyers when on business
 bent;
 My **second's** lord of all creation,
 Sea and land and every nation;
 My **third**, my **second** made with
 art,

To trade with many a foreign
 part.

My **whole** you'll see, that, when
 combined,
 A useful art to all you'll find.

10

A man of fourscore winters white
 Sat dozing in his chair;
 His frosted brow was quite my
first,
 With glorious silver hair,
 My **whole** lay playing at his feet
 And a glance upward stole;
 My **second** I can wager you,
 Was father of my **whole**.

11

My **first** is half, my **second** **whole**,
 and my **whole** is a half.

12

My **first** is a dwelling, my **second**
 is a dwelling, and my **whole**
 is a dwelling.

13

Just two thirds of ten and one
 third of eleven,
 My **first** and my **second** contain;
 For my **third** you must take four
 parts of the seven
 Composing a grammar. Then
 plain

To your view you will find that
 my **whole** is displayed,
 Denoting a message that is
 quickly conveyed.

14

My **first** is a kind of butter; my
second is a kind of lieker;
 my **whole** is a kind of
 charger.

15

I know a boy; his name's my
last,
 And yet he is my **first**,
 Because of all the scamps I know,
 He really is the worst.

I saw him tumble down today
 And on the pavement roll;
 I saw him fight another boy,
 I saw him get my **whole**.

His old cap was my **whole**, I
 think;
 A tattered coat he had;
 And yet withall, he seemed to be
 A very merry lad.

Carolyn Wells

16

Straight like an arrow to my **first**,
 Amid a silvery shower
 Of song, my startled **total** burst
 From yonder leafy bower.
 My merry **last**, the ploughman's
 elock,
 Not only poets praise
 Thy skill, the shepherd leaves his
 flock
 To hearken to thy lays.

Norman D. Gray

EASTER DATES

Bancroft H. Brown, Professor of Mathematics at Dartmouth College.

Easter may be as early as March 22, and as late as April 25. There are thus 35 days on which Easter may occur. Together with the fact that the year may be Common or Leap, there are 35 times 2, or 70 different Church calendars. Of these 70 possible calendars, 63 have actually occurred since the Gregorian Calendar Reform in 1582 A.D. The other 7 will eventually occur—unless the system is changed—but Easter on April 24 in a Leap year will not occur until 4292 A.D.

March 22	34 times
23	67
24	87
25	133
26	171
27	199
28	218

April 19	262
20	229
21	208
22	173
23	120
24	99
25	52

The intermediate dates average 232 with small fluctuations.

The actual rules for the determination of Easter are so incredibly complicated and arbitrary, that it is surprising to find any definite pattern appearing from them. However, it is demonstrable that in every century, Easter is on the same day in the 1st and 96th years; also on the 2nd and 97th; also on the 3rd and 98th. It is also demonstrable that no other rule of this kind exists.

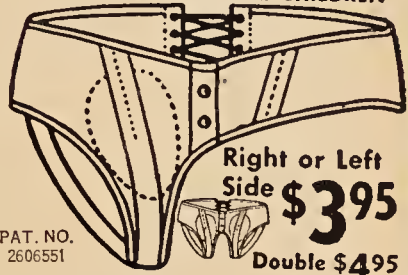
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DEPT. OF HEWLETT, NEW YORK

OLD-FASHIONED PUZZLES

(Answers on page 109)

Conundrums

1. Who is everyone's visitor but no one's guest; and everywhere welcome but never invited in?
2. What drum is best when it cannot be beaten?
3. What is always a hazardous ship to embark in?
4. What musical instrument invites one to fish?
5. How should one measure the gait of a horse?
6. What part of a fish is like the end of a book?

Riddles

1

I scamper to school with the children;
I stay with the baby at home.
With the feet of civilized mortals,
All over the world I roam.

Across the lawn and the terrace
I stretch like a snake in the grass.

I am loved by the birds and the blossoms,
But not by the people who pass.

I wait for the tired mother,
When her household cares are done;

But only with sighs she greets me,—
Never with smiles,—not one.

2

We bring you words of weal and woe,
And with your messages we speed.

But when we've traveled to and fro

We're worthless things indeed.
At home, alas! we're stamped upon.

We're served the same in distant places.

Ah, well! our usefulness is gone,
We show it on our faces.

Problems

1. Thirteen children dance in a ring holding hands. How many rings may they form without a child ever taking any other child by the hand twice?

2. A farmer had 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 rest?

Anagrams

1

My second transposed has often proved a snare,
And has ruined the lives of full many a score:

Has put rags on their backs,
filled asylums and jails,
And driven my whole from the door.

Now if you would my first, abstainers will say,
The victims of sorrows and wrong,

Set them an example, the curse throw away;

Your joy will be great and your life may be long.

2

I met my whole in a far distant land,
Shiftless and wild he roamed upon the sand.

"Are you my last?" with sudden fear I said.

He only said my first and shook his head.

Yet, but reverse the letters of my whole.

A friend you'll see, a noble, loving soul.

3

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.

4

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 again they're not so cheering,
But quite the opposite appearing.

"NOT ADVERTISING"

On a preceding page of this Almanac you will find the advertisement of the Joseph Harris Company of Rochester, New York — seedsmen since goodness knows when. It is common knowledge that nowadays the seed houses in general have become far removed from the soil, and seemingly far more interested in making a penny or two by the sale of some gadget to a name on their mailing lists—than in the promotion of better vegetables and flowers. The Joseph Harris Company is an (if not the) exception to this rule. Our experience with them indicates more than satisfactory results from their seeds and plants . . . and in their service. It is not often we pause to recommend in this Almanac—and we never do in order to obtain advertisements. In this case it is our feeling that with the seed business in its present state, some attention should be called to at least one house successfully swimming against the tide.

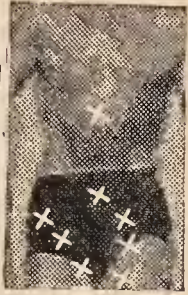
A query by Ted Manus of 1176 94th St., Brooklyn, N. Y.: Did a native of Vermont at one time receive a book from an angel in strange hieroglyphics which he translated with Miraculous aid?

Know the answer?

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Alabama.....	R	Oct. 1	16	\$.06	1	Reciprocal	yes	no
Arizona.....	60	Dec. 15	18	.05	2	³	yes	yes
Arkansas.....	55	Jan. 1	18	.065	2	30 days	no	yes
California.....	55	Jan. 1	16	.045	3	³	yes	yes
Colorado.....	60	On issue	16	.06	2	Reciprocal	yes	yes
Connecticut.....	45	Feb. 15	16	.04	2	Reciprocal	yes	no
Delaware.....	55	3mos.bth.	16	.05	...	Reciprocal	yes	yes
D. C.....	25	Mar. 1	16	.04	...	Reciprocal	yes	yes
Florida.....	60	Jan. 5	16	.07	...	Reciprocal	yes	yes
Georgia.....	55	Jan. 1	16	.06	3	30 days	yes	no
Idaho.....	R	Jan. 2	16	.06	...	Reciprocal	yes	yes
Illinois.....	R	Dec. 31	15	.04	2	Reciprocal	yes	yes
Indiana.....	R	Jan. 2	16	.04	...	60 days	yes	yes
Iowa.....	R	Dec. 1	16	.04	2	Reciprocal	yes	no
Kansas.....	R	Jan. 1	16	.05	2	Reciprocal	yes	yes
Kentucky.....	60	Dec. 29	16	.07	...	Reciprocal	yes	⁶
Louisiana.....	60	Jan. 1	15	.09	2	Reciprocal	no	yes
Maine.....	45	Dec. 25	15	.06	2	Reciprocal	yes	no
Maryland.....	50	Mar. 1	16	.05	2	Reciprocal	yes	yes
Massachusetts.....	40	Jan. 1	16	.043	...	Reciprocal	⁹	no
Michigan.....	R	On sale	16	.045	3	90 days	yes	yes
Minnesota.....	60	Nov. 1	15	.05	...	Reciprocal	yes	no
Mississippi.....	60	Nov. 1	17	.07	2	³	no	no
Missouri.....	R	On issue	16	.02	2	Reciprocal	yes	yes
Montana.....	55	Jan. 1	15	.06	...	30 days	yes	yes
Nebraska.....	60	Jan. 1	15½ ²	.05	...	³	yes	yes
Nevada.....	R	Dec. 15	16	.055	...	No limit	yes	yes
New Hampshire.....	50	Mar. 1	16	.05	...	Reciprocal	yes	no
New Jersey.....	50	Mar. 1	17	.03	...	Reciprocal	yes	yes
New Mexico.....	60	Dec. 15	14	.06	2	90 days	yes	yes
New York.....	50	Jan. 1	18	.04	...	Reciprocal	yes	no
North Carolina.....	55	Dec. 1	16	.07	3 ¹¹	Reciprocal	yes	yes
North Dakota.....	50	On issue	16	.05	2	Reciprocal	yes	yes
Ohio.....	50	Mar. 1	16	.04	3	Reciprocal	yes	yes
Oklahoma.....	65	Dec. 11	16	.065	2	60 days	yes	yes
Oregon.....	55	On issue	16	.06	...	Reciprocal	yes	yes
Pennsylvania.....	50	Mar. 15	18	.05	...	Reciprocal	yes	yes
Rhode Island.....	50	Mar. 1	16	.04	2	Reciprocal	yes	no
South Carolina.....	55	Sept. 18	14	.07	...	90 days	no	no
South Dakota.....	60	Jan. 1	15	.05	3 ¹²	90 days	yes	yes
Tennessee.....	R	Mar. 1	16	.07	2	30 days	yes	yes
Texas.....	60	Feb. 1	16	.05	1.1	Reciprocal	no	yes
Utah.....	60	Dec. 15	16	.05	2	Reciprocal	yes	yes
Vermont.....	50	Mar. 1	18	.05	...	Reciprocal	yes	no
Virginia.....	50	Mar. 15	15	.06	...	6 mos.	yes	yes
Washington.....	50	Nov. 15	16	.065	3	Reciprocal	yes	yes
West Virginia.....	55	June 20	16	.05	...	90 days	yes	yes
Wisconsin.....	65	On issue	16	.04	...	Reciprocal	yes	yes
Wyoming.....	60	Dec. 1	15	.05	2	90 days	yes	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.

⁹Permit showing compliance with state compulsory liability insurance law must be obtained after 30 days.

¹⁰State has compulsory insurance.

¹¹\$15 maximum.

¹²Registry tax on first registration in state.

*South Dakota does not require. All other states do.

Sixteen states increased Gas or Sales Tax from 1951 for 1952.

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DIGEST OF LATEST AVAILABLE FISH AND GAME LAWS

Courtesy: State Commissioners and Hunting & Fishing Magazine

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 1952-53 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, 1952

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

State and Species	Seasons	Limits, Season	State and Species	Seasons	Limits, Season
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	6			
Muskkrat (fur),	(S-Nov. 1-Jan. 1	6	Colorado		
Otter	Nov. 20-Jan. 31		Deer		1
Quail	Nov. 22-Feb. 20	8	Elk ♂	} Oct. 15-31 †	1
Turkey	Special	5	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	All fish	May 25-Oct. 31	10
W-eye pike	No closed season	15	(Lakes under 7000	ft. open all year)	to 20
Alaska			Connecticut		
Bison	Oct. 1-15	1	Deer	By permit	1
Deer	(E. Sep. 1-Nov. 15 ♂	3‡	Rabbit	Nov. 1-Dec. 31	30
	(W. Sep. 15-Oct. 15 ♂	3‡	Squirrel	Oct. 21-Nov. 25	30
Moose	(E. Sep. 15-Oct. 14 ♂	1	Quail	Discretionary	
	(W. Sep. 1-20, Dec.	1	Pheasant ♂	Oct. 21-Nov. 25	15
	1-20	2	Grouse	Oct. 21-Nov. 25	15
Bear, br. & grz.	Sept. 1-June 20 †	2	Trout	Apr. 16-July 15	10
Bear, black	(E. Sept. 1-Jan. 20	3	Lake trout	Apr. 16-Oct. 31	3
	(W. No closed season	2	Pickeral	Apr. 16-Feb. 9	6
Caribou	Special Zones	2	Wall-eye	Apr. 16-Feb. 9	6
Mountain goat	(E. Aug. 20-Nov. 15	1‡	Bass, black	July 1-Oct. 31	10
Mountain sheep	(W. Sep. 1-Oct. 31	1‡	Bass, striped	Apr. 16-Feb. 9	10
Rabbit	Aug. 20-31 †	1‡	Perch	Apr. 16-Feb. 9	15
Grouse &	No closed season †	1‡	Salmon, sockeye	Apr. 16-Aug. 31	5
Ptar'g'n	Sept. 1-Feb. 28	10	Shad	Apr. 16-July 15	5
Trout & grayling	† agg.	10	Alewives	Apr. 1-Jun. 15	
	†	15‡			
Arizona			Delaware		
Elk	Nov. 17-Dec. 2	1	Rabbit	Nov. 15-Dec. 31	6
Deer	By zones	1	Squirrel	Sept. 15-Nov. 1	6
Rabbit	Dec. 1-Feb. 28	6	Quail	Nov. 15-Dec. 31	12
Javelina	Mar. 1-31	6	Pheasant	Nov. 15-Dec. 31 ♂	6
Antelope	By Permit		Bass	June 25-Feb. 1	6
Buffalo	By Permit		Pike, pkl.,		
Turkey	Oct. 9-13	1	w. eyed pike	June 25-Mar. 1	6
Trout	May 5-Sept. 30	10	Trout	Apr. 16-Aug. 15	6
Bass	No closed season	10			
Bluegill	No closed season	10	Florida		
Chan. Catfish	No closed season	10	Deer, male	Nov. 20-Jan. 6 † ♂	2
			Squirrel	Nov. 20-Feb. 1 †	10
Arkansas			Quail	Nov. 20-Feb. 1 †	10
Deer	(Nov. 10-15 ♂	11	Turkey	Nov. 20-Feb. 1 †	2
Squirrel	(Dec. 8-13 ♂	1	Bass, black	No closed season	8
Quail	Oct. 1-Dec. 31	1	Bream, perch	No closed season	20
Turkey	Dec. 1-Jan. 31	8	Tarpon	No closed season	
Bass, black	Apr. 1-10	8			
Trout	May 16-Mar. 16	1	Georgia		
Pike, Jack salmon	May 16-Oct. 31	8	Deer	Nov. 10-25 ♂	1
Bream, perch	No closed season	6	Bear	Nov. 20-Feb. 15 †	
Lake Bass	No closed season	6	Squirrel	Nov. 1-Jan. 5	10
		20	Quail	Nov. 25-Feb. 25	15
			Grouse	Nov. 20-Feb. 25	3
			Turkey	Nov. 15-Feb. 15 †	2
			Rabbit	No closed season	
California			Opossum	Oct. 1-Feb. 15	
Deer	(C.-Aug. 9-Sept. 14	2	Bass, striped	No closed season †	10
	(S.-Sept. 20-Oct. 19	1	Bass, black	No closed season †	10
Bear	(C.-Aug. 9-Dec. 31	2	Bass, rock	No closed season †	10
Rabbit, Ctn. T.	(S.-Sept. 20-Dec. 31	4	Bass, Ky. or r-eye	No closed season †	10
Rabbit, Jack	Nov. 22-Dec. 4	2	Bream, perch	No closed season †	10
Quail	Jan. 1-Aug. 31	8	Crappie	No closed season †	15
Pheasant	Nov. 22-Dec. 31 †	2	Pickeral	No closed season †	15
Trout (exc. gldn)	Nov. 22-Dec. 1 ♂	15	Wall-eyed pike	No closed season †	3
(Sp. wnter seas.)	May 3-Oct. 31 †	15	Muskellunge	No closed season †	2
Salmon	May 3-Oct. 31 †	15	Trout	Apr. 1-Nov. 15 †	10
Bass, black	May 3-Feb. 28	5			
Sunfish, Perch	May 3-Feb. 28	25			

Idaho			Ken, (cont.)		
Moose	By permit	1	Quall	Nov. 20-Jan. 10	10
Deer, elk	Local seasons	1	Ruffed Grouse	Nov. 20-Dec. 15	2
Mt. goats, sheep	By permit		Bass, black	No closed season	10
Quail	Not set		Trout	No closed season	10
Pheasant	Not set		W.-eyed pike, sand pike or sauger	No closed season	15
Rabbit (Ctnt)	Oct. 1-Jan. 31	4	} No closed season		10
Hun. partridge	Not set			Striped bass	No closed season
Sage hen	Not set		Crappie	No closed season	15
Grouse, other	Not set	2	Rock bass	No closed season	15
Pheasant	Not set	2	Muskellunge	No closed season	15
Rabbit	Oct. 1-Jan. 31	4			
Trout	June 4-Oct. 31	7#	Louisiana		
Black Bass	No closed season	10#	Deer	Nov. 15-Jan. 10 †	1
Sturgeon	No closed season	1	Bear	Closed	1
Bass (l-mouth)	No closed season	10	Rabbit	Oct. 15-Feb. 15	5
Crappie, Perch, Sunfish	No closed season	25	Squirrel	Oct. 5-Dec. 21	8
		1	Quail	Dec. 1-Feb. 10	10
Bass (s-mouth)	Not set		Turkey	Closed	1
Salmon (steelhd.)	June 4-Oct. 31	2	Bass, black, yel., white	No closed season	15
			Crappie	No closed season	25
			Sunfish	No closed season	50
Illinois			Maine		
Rabbit	Nov. 11-Jan. 15	8	Deer	Oct. 21-Nov. 30 †	1
Squirrel	Special zones	5	Bear	No closed season	
Quail	Nov. 11-Dec. 11	10	Rabbit	Oct. 1-Feb. 28 †	4
Pheasant	Nov. 11-Nov. 25 †	2	Squirrel	Oct. 1-Oct. 31	4
Bass, black	No closed season	10	Pheasant	Oct. 1-Nov. 15	2
Bass (rk., wrnth. wh., yel.)	No closed season	50	Grouse	Oct. 1-Nov. 15	4
crappies, sunf., blue-gills	No closed season	ln ag-g.)	Salmon, togue(a)	Ice out-Sept. 30	25
Buffalo, bullhd., catf., carp, shphd.	No closed season		Salmon, togue(b)	Ice out-Sept. 15	25
Trout	Apr. 1-Sept. 30	8	Salmon, togue(c)	Ice out-Aug. 15	25
Perch	No closed season		Trout (a)	Ice out-Sept. 30	25
Pickrel	May 1-Nov. 30	8	Trout (b)	Ice out-Sept. 15	25
Wall-eyed pike	May 1-Feb. 15	8	Trout (c)	Ice out-Aug. 15	25
Bass, S.M.	Special zones	10	Wb. perch(a)	Ice out-Sept. 30	25
			Wb. perch(b)	Ice out-Sept. 15	25
			Wb. perch(c)	Ice out-Aug. 15	25
			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
			Pickrel	No closed season	10 †
			a-Lakes & ponds		
			b-Riv. abv. tidewtr.		
			c-Brooks, streams		
Indiana			Maryland		
Rabbit	Nov. 10-Jan. 10	5	Deer	Dec. 3-8 †	1
Squirrel	Not set	5	Squirrel	Oct. 10-31	6
Quail	Nov. 10-Dec. 20	10	Quail	Nov. 15-Dec. 31 †	6
Pheasant	Dates not set		Grouse	Nov. 15-Dec. 31 †	2
Hun. partridge	Nov. 10-Dec. 20	5	Pheasant	Nov. 15-Dec. 31 † †	1
Bluegill, rd.-eared sunf., crappie	No closed season	ln ag-g.)	Turkey	Nov. 15-Nov. 30 †	1
Rock bass	June 16-Apr. 30	6	Trout	Apr. 15-July 15	10
Bass, silv. or yel., bl., Ky., wh. or str.	June 16-Apr. 30	ln ag-g.)	Bass-non-tdl.	July 1-Nov. 30	10
Pike-perch	June 16-Apr. 30	6	Str. (rek.) bass, non-tdl. wtrs.	Mar. 15-Nov. 30	10
Pike or pickrel	June 16-Apr. 30	6	Wall-eyed pike	Apr. 1-Nov. 15	10
Yellow perch	June 16-Apr. 30	6	Pike, pickrel	July 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 †	
Iowa			Massachusetts		
Rabbit	Not set	10	Deer	Dec. 3-8	1
Squirrel	Not set	6	Hare	Oct. 20-Feb. 5	2
Pheasant	Not set	2	Rabbit, (Ctnt)	Oct. 20-Feb. 5	5
Quail	Not set	8	Squirrel	Oct. 20-Nov. 20	5
Hungarian partridge	Date not set		Quail	Oct. 20-Nov. 20 †	4
Trout	May 1-Nov. 30	8	Grouse	Oct. 20-Nov. 20	2
Northern pike	May 15-Feb. 15	5	Pheasant	Oct. 20-Nov. 20 †	2
Bass	May 30-Feb. 15	5	Bass	July 1-Feb. 15	5
Pike, sand or saug., w.-eyed	May 15-Feb. 15	8	Pike	Apr. 15-Feb. 15	5
Bullheads	No closed season	25	Muskellunge	Apr. 15-Feb. 15	5
Yell. pch. and bass, yellow str., silver	May 15-Feb. 15	15	Pickrel	Apr. 15-Feb. 15	10
Crapp., cal. bass	No closed season	15	White perch	Apr. 15-Feb. 15	15
Catfish	Apr. 15-Nov. 30 †	8	Salmon	Apr. 15-July 31	5
			Trout	Apr. 15-July 31 †	12
			Bluegls., cal. bass, crappie, hrnd. pout, sunfish, yel. pch.	Apr. 15-Feb. 15	20
Kansas			Michigan		
Squirrel	June 15-Nov. 30	8	Bear	Not set	1
Quail	Not set		Rabbit	Not set	5
Pheasant	Not set		Deer	Not set	1
Rabbit	Dec. 15-Oct. 15		Grouse, prairie chicken	Not set	3
Bass	May 26-Apr. 24	10			
Kentucky					
Rabbit	Nov. 20-Jan. 10	8			
Squirrel	Aug. 20-Nov. 5	6			

Michigan (cont.)			Neb. (cont.)	
Pheasant	Not set	8	Bass, black	No closed season†
Squirrel	Not set	10	Crappie, sunf.,	15
Trout	Apr. 28-Sept. 14	5	rock bass	No closed season†
Lake Trout	Apr. 28-Sept. 14	15†	Bullheads	No closed season†
Black Bass	June 21-Sept. 14†	5†	Catfish	No closed season†
No. pike, pk. pcb.	Apr. 26-Sept. 14	5	Perch	No closed season†
Muskellunge	Apr. 26-Mar. 15	25	Pike, w.-eye,	No closed season†
Crappie, whtf.	No closed season	10	saug. no'tbn.	1. Dec. 15-Mar. 15
White bass	No closed season	10	Muskrat,	2. Nov. 15-Jan. 15
Crappie, rk.			Mink	
bass, yel. pcb.	} No closed season	25†	Nevada	
bluegills, sun-				Antelope
fish			Deer	Not set
Whitefish	No closed season	7	Rabbit	Not set
Minnesota			Quail	Dates not set
Deer (Bow	Not set	1	Pheasant	Dates not set
and Arrow)			All game fish	Apr. 15-Oct. 1
Deer	Not set	1	New Hampshire	
Bear	Not set	7	Deer	{ North—Nov. 1-30
Squirrel	Not set	10	Bear	{ South—Dec. 1-31
Quail	Not set	3	Rabbit, hare	No closed season
Pheasant	Not set	10	Squirrel	Oct. 1-Mar. 1
Rabbit	Not set	15	Quail	Oct. 1-Nov. 1
Raccoon	Not set	15	Grouse	No open season
W.-eyed pike,	} May 12-Feb. 15†	8	Trout, brook	Oct. 1-Dec. 1
saugers, gt.				Pheasant
no. pike,			Trout, lake	May 1-Aug. 31
pickerel			Lake Trout (fly)	Jan. 1-Sept. 30†
Muskellunge	May 12-Feb. 15†	2	Salmon	September
Bass	June 23-Nov. 30†	6	Trout, golden	Apr. 1-Aug. 31
Trout	May 1-Sept. 5†	15	Bass	Apr. 1-Aug. 31
Lake Trout	{ Dec. 29-Feb. 15†	{ 5	Pike-perch	July 1-Oct. 31†
Crappies, sunfish	{ May 1-Sept. 30†	{ 5	Pickerel	May 28-Oct. 31†
wh. & rk. bass			Mink, otter	May 28-Jan. 31
Catfish	May 12-Feb. 15†	15	muskrat	Nov. 1-Feb. 1
Bullheads	May 12-Feb. 15†	10	New Jersey	
Whitefish	May 12-Feb. 15†	50	Deer	1
Buffalo	May 12-Feb. 15†	15	Archery	} Not available
Mississippi			Rabbit, squirrel	
Deer	Nov. 20-Dec. 26	1	Quail	10
Bear	No open season	5	Grouse	3
Rabbit	Any open season	5	Pheasant	50
Squirrel	Oct. 14-Dec. 15	8	Trout	Apr. 12-Sept. 30
Quail	Dec. 10-Feb. 10†	8	Pike, pick'l,	May 20-Nov. 30
Turkey	Nov. 20-Dec. 26†	1	pike-perch	10
Bass	No closed season	15	Bass, bl., Os-	June 5-Nov. 30
Crappie	No closed season	15	wego, white	No closed season
White perch	No closed season	15	Calico, rock	Apr. 1-Nov. 30
Sunfish	No closed season	25	bass, crappie	No closed season
Missouri			Bass, striped	Apr. 1-Nov. 30
Deer	Not set (res. only)	1	Wh., yel. pcb.,	No closed season
Rabbit	{ May 30-Oct. 31	{ 6	catf., sunf.	
Squirrel	{ Nov. 10-Feb. 28	{ 10	New Mexico	
Quail	{ Nov. 10-30	{ 4	Deer	Nov. 8-19
Stizostedion	{ Nov. 10-Dec. 31	{ 4	Elk	Not set
Micropterus	{ May 30-Nov. 30	{ 6	Bear	{ Sept. 1-Nov. 3
Salmo and	{ Mar. 1-Nov. 30	{ 6	Antelope	{ Nov. 8-30
salvelinus	{ Mar. 15-Nov. 30	{ 9	Turkey	Shooting by
Roccus & morone	{ Mar. 15-Nov. 30	{ 9	Squirrel	permitt ♂
Ambloplites	{ Mar. 15-Nov. 30	{ 12	Trout	Nov. 8-Nov. 19†
Chaneobryttus	{ Mar. 15-Nov. 30	{ 6	Bass, pike pcb.	No closed season
Pomoxis	{ Mar. 15-Nov. 30	{ 6	Chan. catf.	{ N. May 1-Oct. 31
Ictalurus	{ Mar. 15-Nov. 30	{ 12	Crappie	{ S. May 25-Oct. 31
Lepomis pallidos*	{ Mar. 15-Nov. 30	{ 12	Sunf., ring pcb.	
Montana			and bream	{ Apr. 1-Mar. 31
Antelope	Sept. 5-Nov. 9†	1	Bullhd., yel. and	{ June 1-Nov. 30
Deer	Oct. 15-Nov. 15† ♂	1†	mud catfish	No closed season
Bear	Apr. 15-Nov. 15†	1†	New York	
Elk	Oct. 1-Jan. 30†	1	Deer	Oct. 25-Nov. 30† ♂
Moose	Sept. 15-Dec. 31†	1	Bear	Oct. 25-Nov. 30†
Goat	Local seasons	1†	Rabbit	By dept. order
Grouse			Squirrel	Oct. 17-Nov. 21
Quail, turkey	} Dates not set		Quail	Nov. 1-15
Sage hen				Grouse
Hun. partridge			Pheasant ♂	Not set
Pheasant			Raccoon	{ N. Oct. 25-Jan. 1
All game fish	May 18-Nov. 15	15	Black bass	{ S. Oct. 29-Nov. 4
Nebraska			Striped bass	July 1-Nov. 30†
Deer	Special permits	1	Muskellunge	No closed season
Quail	Nov. 1-25†	7	Salmon, ldekd.	July 1-Dec. 1†
Rabbit	{ Sept. 25-Jan. 31	{ 10	Salmon, chinook	Apr. 1-Sept. 10
Squirrel	{ Oct. 1-Dec. 31	{ 5	Pike-perch	Apr. 1-Sept. 10
Pheasant	{ Oct. 26-Nov. 25 ♂†	{ 5	Pickerel	May 1-Mar. 1†
Grouse	{ Nov. 10-12†	{ 2		May 1-Mar. 1†
Trout	{ Apr. Oct. 31†	{ 7		

N. Y. (cont.)			Pennsylvania		
Gt. no'n. pike	May 1-Mar. 1†	10†	Deer, female	No open season	
Trout, brk., br., r'bow	Apr. 12-Sept. 7	10†	Deer, 2 pt. ant.	Nov. 29-Dec. 11	1
Lake trout	Apr. 1-Sept. 10	3†	Deer, no ant.	Dec. 3-15	
Bullheads	No closed season†	†	Bear	Not set	1
Whitefish	Apr. 1-Sept. 10†	†	Rabbit, Cttl.	Nov. 19-24	1
Perch, white	No closed season	25†	Raccoon	Nov. 1-30	4
Perch, yellow	No closed season†		Squirrel	Nov. 1-Feb. 1	
Long Island			Quall, Bbwh't.	Nov. 1-30	6
Squirrel	Nov. 1-Dec. 31	5	Grouse, Rfd.	Nov. 1-17	4
Grouse	Not set	2	Pheas'nt, r'gnk, m.	Nov. 1-17	2
Pheasant	Nov. 1-Dec. 31	4	Turkey	Nov. 1-30†	2
Quall	Nov. 1-Dec. 31	4	Partridge, Hun.	Nov. 1-13	1
North Carolina			Hare, snshoe	Dec. 24-Jan. 1	2
Deer	Oct. 15-Jan. 1	1	Trout	May 3-Sept. 15	8
Bear	Oct. 15-Jan. 1	2	Trout, lk. or sal.	May 3-Sept. 25	5
Rabbit	Nov. 27-Jan. 31	5	Bass	Dec. 29-Feb. 15	6
Pheasant	Nov. 1-Jan. 31	8	Pike-perch	Jun. 21-Nov. 30	6
Squirrel	Oct. 15-Jan. 1	8	Pickere'l	May 17-Feb. 15	6
Quall		8	Yell. pch., rock	May 17-Feb. 15	3
Grouse	Nov. 27-Jan. 31	2	bass, str. or		
Turkey		1	cal. bass, wh.;		
Russlan boar	Oct. 15-Jan. 2	1	crappie, sunf.;		
Raccoon	Oct. 15-Feb. 15	10	catf., suckers,		
Trout	Apr. 15-Aug. 31	8	carp		
Bass, black	No closed season	5		No closed season	15
Pike, walleyed	No closed season	5			
Bass, striped	No closed season	8	Rhode Island		
Trout	Apr. 15-Aug. 31	10	Rabbit	Nov. 1-Dec. 31†	5
North Dakota			Hare	Nov. 1-Dec. 31	2
Deer	Not set	1	Squirrel	Nov. 1-Dec. 31	5
Sharptail	Not set	3	Quall	Nov. 1-Dec. 31	6
Pin'd grouse			Grouse	Nov. 1-Dec. 31†	2
Sage & ruffed	Dates not set		Pheasant	Nov. 1-Dec. 31 ♂	3
grouse; part'ge			Bass	June 20-Feb. 20†	6
Pheasant	Not set	4	Pickere'l	June 20-Feb. 20†	10
Bass	June 16-Oct. 31	5	Trout	Apr. 15-July 15†	10
Wall-eyed pike,			Striped bass	No closed season	
northern pike	May 16-Oct. 31	5	Perch, white	Apr. 15-Feb. 20	20
Sunfish	May 16-Feb. 28	15	Perch, yellow	Apr. 15-Feb. 20	30
Trout, Salmon	May 2-Sept. 30	5	All fresh water fishing closed		
Perch, Crappie	May 16-Feb. 28		Feb. 21-Apr. 14, incl.		
Ohio			South Carolina		
Deer	Not set	1	Deer	Nov. 15-22† ♂	1
Rabbit	Not set	4	Rabbit	Nov. 24-Feb. 15	
Squirrel	Not set	4	Squirrel	Oct. 15-Jan. 31	
Pheasant	Not set		Quall	Nov. 24-Feb. 15	
Hun. partridge	Not set		Turkey	Nov. 23-Mar. 1	5
Grouse	Not set	2	Trout, speckled	Jan. 1-Oct. 1	20
INLAND DIST.			Trout, rainbow	Jan. 1-Oct. 1	20
Muskellunge	No closed season†	2	Bass	No closed season†	8†
Wall-eyed pike	No closed season†	6	South Dakota		
Sauger	No closed season†	6	Deer	Not set	1
Trout	No closed season†		Grouse, prairie		
Bass	No closed season†		chicken		
LAKE ERIE DIST.			Pheasant	Not set	3
Muskellunge	No closed season†		Hun. partridge		4
Wall-eyed pike	No closed season†		Trout	May 1-Sept. 30	10
Sauger	No closed season†		Bass, w.-eyed		
Trout	No closed season†		plke, pickere'l	May 1-Apr. 30	6
Bass	No closed season†		Bluegills	May 1-Apr. 30	15
Oklahoma			Bullheads, pch.	May 1-Feb. 28	50
Deer	Not set	1	Crappies, sunf.	May 1-Apr. 1	15
Squirrel	May 15-Jan. 1	10	Tennessee		
Quall	Inter. (Nov.-Jan.)	10	Deer	Nov. 13-15 ♂†	1†
Pheasant	Not set		Bear	Oct. 16-Nov. 12	
Bass	No closed season†	10	Rabbit	Nov. 27-Jan. 25	5
Chan. catfish	No closed season†	15	Squirrel	Sept. 15-Dec. 15	6
Crappie	No closed season†	15	Quall	Nov. 27-Jan. 25	8
Trout	No closed season		Grouse	Nov. 27-Jan. 25	3
Oregon			Wild boar	Oct. 16-Nov. 12	1†
Deer	Not set	1	Trout	Mar. 1-Oct. 1	10
Elk	Not set	1	Bass	May 30-Mar. 31	10
Antelope	Not set	1	Raccoon	Oct. 15-Jan. 25	
Squirrel	Not set	5	Opossum	Oct. 15-Jan. 25	
Quall	Not set	5	Red fox	Oct. 15-Jan. 25	
Blue Sage Hen	Not set	2	Rock bass	May 30-Mar. 31	10
Grouse, other	Not set	5	White, str. bass	No closed season	20
Pheasant	Not set	2	Yellow bass or		
Hun. partridge	Not set		jacks	No closed season	25
Trout, salmon,			Warmouth bass	No closed season	25
steelhead,	Apr. 14-Sept. 30	10	Bluegill bream	No closed season	25
less than 20"			Catfish	No closed season	
Bass, black;	No closed season	30	Buffalo	No closed season	
Perch, crappie,			Texas		
catf., sunf.,			Antelope	Oct. 1-9	1
bream, pike			Deer	Nov. 16-Dec. 31† ♂	2
Str. bass,	No closed season	15	Bear	Nov. 16-Dec. 31	1
shad	No closed season	1	Peccary	Nov. 16-Dec. 31†	2

Texas (cont.)			Wash. (cont.)		
Squirrel	{ Oct. 1-Dec. 31†		Quall	Oct. 12-Nov. 9	3
Quall	{ May 1-July 31†	10	Pheasant	Oct. 12-Nov. 9	3
Turkey	{ Dec. 1-Jan. 16†	12	Hungarian	Oct. 12-Nov. 9	5
Bass, bl., sp'tcd	Nov. 16-Dec. 31† ♂	3	partridge		
White bass	No closed season	15	Steelhead	Dec. 1-Feb. 28†	3
Trout	No closed season	25	Other game fish		
Crappie	No closed season	5	Lowl'd lakes	E: May 21-Sept. 15	20
Catfish	No closed season	25	Gen'l season	W: May 21-Oct. 31	20
Utah			West Virginia		
Antelope	Not set	1	Deer	Dec. 3-5†	1
Deer	Not set	1	Rabbit	Nov. 11-Jan. 3	4
Elk (By permit)			Pheasant	Nov. 11-12 ♂	2
Bison	By permit		Raccoon	Nov. 3-Jan. 10	2
Grouse, sage hen,			Bear	Nov. 3-29	1
prairie chicken			Squirrel	Oct. 18-Nov. 29	4
Pheasant	{ Not set	3†	Quall	Nov. 11-Dec. 13	7
Quall	{	10	Grouse	Oct. 18-Jan. 3	4
Bass	May 10-Oct. 12	12	Turkey	Oct. 18-Nov. 8	1
Trout	Jun. 14-Oct. 7	12	Trout, rnbw.,		
Salmon	Jun. 14-Oct. 7	12	brown bk.	Apr. 28-Sept. 3	10
Vermont			Bass	June 14-Mar. 14	8
Deer	Nov. 14-27 ♂†	1	Pickelrel	No closed season	
Squirrel	Oct. 1-Oct. 31	4	Muskellunge,		
Rabbit	Oct. 1-Feb. 28	3	w. eyed pike	No closed season	
Quall	No open season		Rk. bass, crappie,		
Grouse	Oct. 1-Oct. 31	4	sunl., bluegill	No closed season	
Pheasant	No open season		Catfish	No closed season	
Bear	June 1-Dec. 31		Perch	No closed season	
Trout	May 1-Aug. 14	20	Wisconsin		
Lake trout,			Deer	Not set	1
salmon	May 1-Aug. 31	2	Deer (bow &		
Bass	July 1-Nov. 30	5	arrow)	Not set	1
Muskellunge	June 15-Apr. 14	25#	Bear	Not set	
Pike-perch	May 1-Mar. 14	25#	Raccoon	Not set	3
Pickelrel	May 1-Mar. 14	25#	Rabbit	Not set	3
Smelt	June 1-Mar. 31		Squirrel	Not set	3
Virginia			Grouse	Not set	3
Deer	Nov. 20-Jan. 5 † ♂	1	Pheasant	Not set	2
Bear	Nov. 20-Jan. 5 †	1	Hun. partridge	Not set	4
Elk	Closed season		Quall	Not set	4
Rabbit	Nov. 20-Jan. 20 †	75	Bass, black	June 20-Jan. 15	5
Squirrel	{ E. Sept. 15-Nov. 20		Trout	May 3-Sept. 7	10
	{ W. Sept. 30-Jan. 20	125	Lake trout	Apr. 1-Sept. 30†	5
Quall	{ E. Nov. 20-Jan. 20	15	Wall eyed pikc,		
Grouse	{ W. Nov. 20-Jan. 5	20	sauger	May 17-Jan. 15	5†
Pheasant	Nov. 20-Jan. 5	4	No. pike, pick'l	May 17-Jan. 15	5†
Turkey	Nov. 20-Jan. 5	8	Muskellunge	May 25-Nov. 1	
Bass	{ W. June 20-Dec. 31.		Bass, other	No closed season	25
Trout	{ E. June 1-Mar. 15	8	Catfish	No closed season	5
Pike	{ May 1-Sept. 15	8	Sturgeon	Sept. 5-Oct. 15	5
Crappie	{ W. Same as bass	20	Other panfish	No closed season	25†
Bream	{ E. June 1-Mar. 15		Wyoming		
Washington			Deer	Local season† ♂	1
Deer	Local seasons	1	Moose	Local seasons ♂	1
Bear	Special seasons		Elk	Local season† ♂	1
Elk	Nov. 2-11 ♂	1	Bear	Local seasons†	1
Mt. Goat	Sept. 14-30	1	Sheep	Local seasons† ♂	1
Rabbit	{ W. Oct. 12-Feb. 28		Antelope	Local seasons†	2
Grouse	{ E. Oct. 12-Mar. 31	5	Pheasant	Not set	
	Sept. 13, 14, 20, 21,		Brook trout	May 1-Oct. 31	20
	Oct. 5-12	3	Other trout	May 1-Oct. 31†	12
			Grayling	May 1-Oct. 31†	20
			Bass	May 1-Oct. 31†	20
			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, 1952, by the Fish and Wildlife Service, U. S. Dept. of Interior, Chicago 50, Illinois. 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.

FISHING TIME and WEATHER

Don't go by the barometer, says Dr. George Bennett, Aquatic Biologist, Urbana, Illinois. Dr. Edwin Cooper, Institute for Fisheries Research, Ann Arbor, Michigan agrees. Both men quote records extending from 6 months to two years of experiment to back up their statements. Similarly, James Sieh and John Parsons disclose in an Iowa Academy of Science Bulletin that wind direction, velocity, cloudiness or rain have little effect on fish bites. So all that's left is Astrology which says fish bite during the last quarter of the moon or during the new moon. We suggest that following the stocking truck around is about the only way you can catch fish nowadays — after the season has been open for a week.

Continued from page 65
 He started in and sez, "Oh, Lord,
 I'm jest chuek full er sin,
 An' there ain't no place, I reckon,
 for your merey to squeeze in;
 For I'm jest good fer nothin', an'
 an ole wreck from the sea;
 Take me—I ain't wuth takin'—
 but I give myself to Thee."

Then he broke down and blub-
 bered out, and jest set down to
 bawl,
 And then there came a loud
 "Amen!" that near burst
 through the wall.

We knew a spark of heavenly
 fire had touched this earthly
 clod.
 For his soul in all its nakedness
 had shown itself to God.

There warn't much learnin' in
 his prayer, but yet it traveled
 far,
 An' went floatin' up to glory,
 where the shinin' angels are.
 The pastor's prayer so weightied
 down 'ith figgers, facts, and
 proof.
 Got lodged among the rafters and
 never reached the roof.



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ATTACKS

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THE BEST TIME FOR CUTTING TIMBER

I trust I shall not be charged with egotism, by those who know me, when I say that I have wrought more kinds of timber than most men have, and for more uses than any I know of, and it has been my endeavour to determine what time for felling and what kind of timber is best for the use desired. And from the many observations I have made from both, I am satisfied and ready to say, without hesitation, that September is the best time, although I believe, that if the bark of timber trees could be taken off in June, without felling the tree or injury to the wood, and then let stand until September, the timber would be stronger and more durable. I have seen this done to elm, walnut, and maple. All these are considered of the most perishable kinds that are made use of for timber. —All of them proved to be two years afterwards. I have seen white oak timber felled in February and March, the sap of the wood was perished September on one side of the logs. I have seen wood, cut in May and June, in which more than the sap of the wood was perished in one year. I have seen timber that was cut in September that the sap was perfectly sound and bright two years afterwards. I have used white maple for hoops to buckets that was cut in September that lasted 21 years in constant use, the first ten years for water, the remaining for feeding of swine. I have one now that was hooped with maple that was blown down in the September gale 1815, which is perfectly sound.—*Contribution to The New England Farmer 1824.*

THE THREE GREAT EXERTIONS

In Wales, England, the three great exertions of human labour in the world are known as the lifting of the stone of Sketty, the erection of Stonehenge, and the formation of Silbury Hill, near Kennet.

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	20 to 30	325	336	352
Stallion.....	4 "	12 to 15		235	282	300
Cow.....	18-24 mos.	10 to 14	30 to 40	145	147	152
Bull.....	12-18 "	10 to 12		110	114	120
Ewe.....	18 "	6	35 to 45	8 to 12	147	155
Ram.....	12-14 "	7		356	367	378
Sow.....	9 "	6	8 to 12	309	315	325
Boar.....	9 "	6		58	63	67
She Goat.....	18 "	6	20 to 30	58	60	64
He Goat.....	18 "	5		25	30	35
Ass.....	3 yrs.	10 to 12	20 to 30	19	21	24
Jack.....	4 "	12 to 15		24	26	30
She Buffalo.....	18-24 mos.	8	30	28	30	32
Bitch.....	16-18 "	8		27	30	33
Dog.....	12-16 "	8	12 to 18	16	18	20
She Cat.....	12 mos.	6		25	28	30
He Cat.....	12 "	10	6 to 8	20	23	25
Doe Rabbit.....	6 "	5 to 6		40	42	45
Buck Rabbit.....	6 "	5 to 6	5 to 6	22	30	34
Cock.....	6 "	5 to 6				
Hen.....						
Turkey.....						
Duck.....						
Goose.....						
Pigeon.....						
Pea Hen.....						
Guinea Hen.....						
Swan.....						
Hen or Duck's Eggs.....						

Also See Calendar Page 27.

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=½ pt.
 1 cup water=½ lb.
 4 tablespoons flour=1 oz.
 2 tablespoons butter=1 oz.
 3 teaspoons soda=½ oz.
 4 teaspoons baking powder=
 ½ oz.
 2 cups granulated sugar=1 lb.
 2½ cups confectioners' sugar=
 1 lb.
 2½ cups wheat flour=1 lb.
 3½ cups whole wheat flour=
 1 lb.
 2½ cups buckwheat flour=1 lb.
 5½ cups coffee=1 lb.
 6½ 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=5½ yards=16½ feet
 1 mile=320 rods=1760 yards=
 5280 feet
 1 nautical mile=6080 feet
 1 knot=1 nautical mile per hour
 1 furlong=¼ 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=30¼ sq. yards=
 272¼ 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

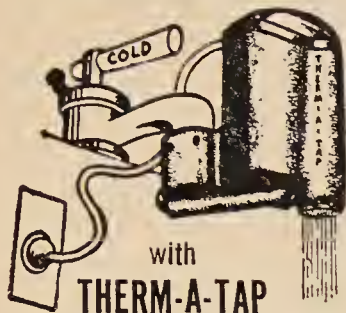
Troy

(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

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THE BIRTHPLACE OF OUR VEGETABLES

Potatoes came from far Virginia;
Parsley was sent us from Sardinia;
French beans, low grown on the earth,
To distant India trace their birth;
But scarlet runners, gay and tall,
That climb upon your garden wall—
A cheerful sight to all around—
In South America were found.
The onion traveled here from Spain;
The leek from Switzerland we gain,
Garlic from Sicily obtain.
Spinach in far Syria grows;
Two hundred years ago or more,
Brazil the artichoke sent o'er,
And Southern Europe's sea coast shore
Beet root on us bestows.
When 'Lizabeth was reigning here
Peas came from Holland and were dear.
The south of Europe lays its claim
To beans, but some from Egypt came.
The radishes both thin and stout,
Natives of China are, no doubt;
But turnips, carrots, and sea kale,
With celery so crisp and pale,
Are products of our own fair land;
And cabbages—a goodly tribe
Which abler pens might well describe—
Are also ours, I understand.

AMICUS.

—Goldthwaite's Geographical Magazine

COST OF THE BIBLE

'Tis very vain for me to boast
How small a price my Bible cost:
The Day of Judgement will make it clear
'Twas very cheap or very dear.

Auth. Unk.

POSTAL RATES.—DOMESTIC

July 1, 1952

Domestic rates were omitted from the 1952 Edition as changes were being made which were not available until after our deadline. These rates are in effect for 1953 as far as we can ascertain.

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 3 $\frac{3}{8}$ by 5 $\frac{1}{8}$)..... .02

Government Postal Cards, each..... .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 ounce. Fourth Class Rate applies when it is lower than Second Class.

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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 1 $\frac{1}{2}$ 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 ounce 1 $\frac{1}{2}$ cents.

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

ZONES	Local	1st and 2nd	3rd	4th	5th	6th	7th	8th
1st Lb.	10c	11c	12c	13c	15c	16c	17c	18c
Each Add. Lb.	1 $\frac{1}{2}$ c	2 $\frac{1}{2}$ c	3c	4c	5 $\frac{1}{2}$ c	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.

Weight in Pounds	LOCAL	1-2 Up to 150 miles	3 150 to 300 miles	4 300 to 600 miles	5 600 to 1000 miles	6 1000 to 1400 miles	7 1400 to 1800 miles	8 Over 1800 miles
1	\$0.15	\$0.17	\$0.17	\$0.19	\$0.21	\$0.23	\$0.25	\$0.27
2	.17	.20	.21	.24	.28	.33	.37	.41
3	.18	.22	.24	.29	.35	.42	.48	.55
4	.19	.25	.28	.34	.42	.51	.60	.69
5	.20	.27	.31	.38	.48	.60	.71	.83
6	.22	.29	.35	.43	.55	.70	.83	.97
7	.23	.32	.38	.48	.62	.79	.94	1.11
8	.24	.34	.42	.53	.69	.88	1.06	1.25
9	.25	.37	.45	.57	.75	.97	1.17	1.39
10*	.27	.39	.49	.62	.82	1.07	1.29	1.53
11	.28	.41	.52	.67	.89	1.16	1.40	1.67
12	.29	.44	.56	.72	.96	1.25	1.52	1.81
13	.30	.46	.59	.76	1.02	1.34	1.63	1.95
14	.32	.49	.63	.81	1.09	1.44	1.75	2.09
15	.33	.51	.66	.86	1.16	1.53	1.86	2.23
20	.39	.63	.84	1.10	1.50	1.99	2.44	2.93

(Continued on Page 98)

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	\$0.80	\$0.80	\$0.80
Each added pound	.48	.50	.56	.64	.72	.80	.80	.80

POSTAL RATES. — FOREIGN

Letters.—For the places in the following list the postal rate is 3 cents each ounce or fraction. For all other foreign destinations, 5 cents first ounce and 3 cents each additional ounce or fraction: Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras (Republic), Mexico, Nicaragua, Panama, Paraguay, Peru, Philippines, Salvador, El; Spain and possessions; Uruguay, Venezuela.

Post Cards.—Single post cards for places enumerated above 2 cents. Single post card for all other foreign destinations 3 cents. Maximum size 6x4¼ inches, minimum size 4x2¼ inches.

Printed Matter.—1½ cents for each two ounces or fraction thereof.

Eight-ounce Merchandise Packages.—Packages of merchandise weighing 8 ounces or less, for the countries named in the table above, except the Philippines, 2 cents for each 2 ounces. Do not seal. Mark—"May be Opened for Inspection."

Small Packets.—Three cents for each 2 ounces, with a minimum charge of 15 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.)

AIR MAIL: U.S. (Outside Continent) AND FOREIGN

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.

Aa. Postals and Post Cards:—4 cents each.

B. 8 cents: Cuba .08—½ oz.

C. 10 cents: Central and South America, West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10—½ 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—½ oz.

E. 25 cents: All other localities .25—½ oz.

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

F. Air-letter sheets, 10 cents each to any foreign country, on sale at all postoffices.

INTERNATIONAL PARCEL POST BY AIR

Because of the varying rates and conditions, as well as frequent changes, applicable to foreign 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. Packages

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

WINTER LIGHTNING
Laconia, N.H. (AP)

Dec. 21, 1951

Tuesday night Alvin Davis, 36, of Laconia, during the height of a blinding snowstorm, was guiding his two-wheel plow along his driveway.

Suddenly there was a blinding flash of lightning and a roaring peal of thunder.

Davis fell to the ground, unconscious.

His son, Richard, 13, said his father asked for a glass of water and then slumped to the ground.

Richard called his mother and the two rubbed snow on the unconscious man until he regained consciousness.

At the town meeting held in Lynn, Mass., week before last, a resolution to introduce music into the town schools was rejected; also a resolution to petition for a city charter.—

March 29, 1847

The antiquity of the husbandman's art is not to be contested by any other. The first three men in the world, were a gardener, a ploughman, and a grazier; and if any man object that a second of these was a murderer, I desire he would consider, that as soon as he was so, he quitted our profession, and turned builder—

"God the first garden made, and the first city Cain." 1824

Start NYLON Club
in Your Neighborhood



MAKE BIG MONEY
FULL or SPARE TIME!

NYLONS GUARANTEED
9 MONTHS



CHEVROLET
given as
EXTRA BONUS

HOSE FOR
OWN USE
Sent With Outfit

MEN and WOMEN! Start a Wil-knit NYLON Club. Friends and neighbors give you orders for beautiful NYLONS—THEN, as members of your club, depending on quantity, they get new Nylons absolutely FREE, if their hose wear out, run, or even snag—from any cause whatever—within NINE MONTHS. Many have made exceptional earnings of \$50.00 to \$60.00 the first week—and more! I can also arrange to have a new Chevrolet delivered to you by your local dealer as a bonus—so you can drive around to call on your Club Members. Just send me your name on a postal card so I can send you all this money-making information . . . absolutely FREE. Please send your hose size. Do it NOW! Just mail postcard to me. **L. Lowell Wilkin,** WIL-KNIT HOSIERY CO., A-12211 Midway, Greenfield, Ohio

The "house out back" calling! ActivO can cure it of unpleasantness. Just sprinkle over waste. Odors reduced or eliminated. Waste converted into ash-like fertilizer-humus. \$2.59 size good for many months' treatment. . . . Helpful, too in septic tanks and cesspools. . . . ActivO also amazingly useful for making compost, activating soils and lawns, feeding potted plants,

growing mushrooms, etc. . . . for many FARMING and GARDENING uses. Send for complete free details. Liberal-quantity size for 3 tons compost or energizing and CONDITIONING 10,000 lbs. soils, mulches, etc., only \$6.99. Sizes at dealers, \$1.00 and up. Time to use ActivO now. Get it today!



HELP HELP!



NO ODOR!

BENSON-MACLEAN

BOX 50 BRIDGETON, INDIANA

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 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, enter the corrections table on pages 104 and 105 in that section, the longitude of which is nearest your town's and, using your town's latitude, interpolate between the corrections shown for various latitudes for figures to insert in Columns A to Q for your town in the space below.

Modify these figures by four minutes for each degree of difference of longitude between the longitude of your town and the longitude of the table chosen as nearest it. Add this modification if your town's longitude is greater than the table's longitude, subtract it if it is lesser.

The net figures resulting from this modification will be those to use in correcting the Almanac figures for Boston to give the standard times for your town. The figure for insertion in the Moon column (D) is derived by interpolating between longitudes to fit the longitude of your town. For examples, see next page.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	D	
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
YOUR TOWN																			
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			HOUSTON, TEXAS		
Sunrise	5:10	A.M.E.S.T.	Sunrise (Boston)	5:10	A.M.E.S.T.
Key Letter		G	Correction (Column G, page 105)	+ :49	
			Sunrise (Houston)	5:59	A.M.C.S.T.
Sunset	6:22	P.M.E.S.T.	Sunset (Boston)	6:22	P.M.E.S.T.
Key letter		K	Correction (Column K, page 105)	+ :24	
			Sunset (Houston)	6:46	P.M.C.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 15 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		HOUSTON, TEXAS	
Length of day (From calendar page 18, April 11.)	13h 12m	Sunset (Boston)	6:46 P.M.
		Sunrise (Boston)	5:59 A.M.
		Length of Day	12h 47m

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

HOUSTON

Moonrise 3:43 A.M., E.S.T.
Key letter J

Moonrise (Boston) 3:43 A.M.
Correction (Column J, page 105) +:30
Correction (Column **D**, page 105) +:04

April 11
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Moonrise (Houston) 4:17 A.M., C.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

HOUSTON

Moon souths 9:45 A.M., E.S.T.

Moon souths (Boston) 9:45 A.M.
Correction (Column I, page 105) +:37
Correction (Column **D**, page 105) +:04

April 11
Page 18

Moon souths (Houston) 10:26 A.M., C.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	HOUSTON, TEXAS (Latitude 28° 51' N.)
Sunrise	5:10 A.M.		Sunrise 5:59 A.M.
Subtract length of twilight (Column 4 of table)	1:39		Subtract length of twilight (Column 4 of table) 1:23
Dawn breaks	3:31 A.M.E.S.T.		Dawn breaks 4:36 A.M.C.S.T.
Sunset	6:22 P.M.		Sunset 6:46 P.M.
Add length of twilight	1:39		Add length of twilight 1:23
Dark descends	8:01 P.M.E.S.T.		Dark descends 8:09 P.M.C.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. Since Gulf ports are not beset with the tidal problems of ports on the open ocean, 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)	1.00 P.M.E.S.T.	High tide (Boston)	1.00 P.M.
April 16		Correction above	-3.00
Height (from page 19)	8.5 feet	High tide (Miami)	10.0 A.M.E.S.T.
		Height (Miami)	2.6 feet
		(8.5 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.)

Lo.	ZONES Lat.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
Your Town: To find the corrections for your town, see instructions on page 100																			
67°W	45°N	-28	-27	-25	-23	-22	-20	-19	-17	-16	-14	-13	-11	-10	-8	-7	-5	-4	-1
69°W	45°N	-21	-20	-18	-17	-15	-13	-12	-11	-9	-8	-6	-4	-3	-2	0	2	3	0
69°W	44°	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	0
71°W	45°N	-14	-13	-11	-9	-8	-6	-5	-3	-2	0	1	3	4	6	7	9	10	0
71°W	43°	-4	-3	-3	-3	-2	-2	-2	-1	-1	0	0	0	1	1	1	1	1	0
71°W	41°	5	5	4	4	3	3	2	1	1	0	0	0	-1	-2	-2	-3	-3	0
73°W	45°N	-4	-3	-1	1	2	4	5	7	8	10	11	13	14	16	17	19	20	0
73°W	43°	2	2	2	3	3	3	4	4	4	4	5	5	5	5	6	6	6	0
73°W	41°	13	12	11	11	10	9	9	8	7	7	6	6	5	4	3	3	2	0
75°W	45°N	3	5	6	8	10	11	13	14	15	17	19	20	22	23	25	26	28	1
75°W	43°	14	14	15	15	15	16	16	16	17	17	17	18	18	18	19	19	19	1
75°W	41°	23	22	21	20	20	19	18	17	16	16	15	14	13	12	11	10	9	1
75°W	40°	28	26	25	23	22	21	19	18	17	15	14	13	11	10	8	7	6	1
75°W	36°	42	39	36	32	29	25	22	19	16	12	8	5	2	-1	-5	-8	-11	1
80°W	44°N	27	28	29	30	31	31	32	33	33	34	35	36	37	37	38	39	39	1
80°W	40°	44	43	42	41	40	39	38	36	35	34	33	32	31	30	29	27	26	1
80°W	36°	61	59	56	52	49	45	42	38	35	31	28	25	22	18	15	11	8	1
80°W	32°	75	72	67	61	56	51	46	41	36	30	25	20	15	10	5	0	-5	1
80°W	30°	82	78	72	66	61	55	49	43	36	31	24	18	12	6	0	-6	-10	1
80°W	26°	94	89	82	74	67	59	52	44	37	29	21	14	6	-1	-8	-16	-23	1
85°W	44°N	49	50	51	52	53	54	55	56	57	59	60	61	62	63	64	65	66	2
85°W	40°	65	63	62	60	59	57	55	54	52	51	49	48	46	45	44	43	42	2
85°W	36°	78	75	72	68	65	61	58	55	52	48	44	41	38	35	31	28	25	2
85°W	32°	93	90	85	80	75	70	65	60	56	51	46	40	35	30	26	21	17	2
85°W	30°	97	93	88	82	76	70	64	58	52	46	40	34	28	23	18	12	7	2
90°W	48°N	-14	-10	-7	-3	1	4	8	12	15	17	22	26	30	33	37	41	46	3
90°W	44°	4	5	6	7	8	10	11	12	13	14	16	17	18	19	21	22	23	3

Eastern Standard Time

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GLOSSARY OF ASTRONOMICAL TERMS, ETC.

- An. Ecl.** . . . see Eclipse, Annular.
- Aph.** — **Aphelion** . . . Planet revolving about Sun reaches point in its orbit farthest away from the Sun.
- Apo.** — **Apogee** . . . Moon reaches point in its orbit farthest from Earth.
- Appulse** . . . if during eclipse Moon passes only through the penumbra.
- Aspect** . . . description of the relative position of two or more bodies in the solar system. These are described by signs, etc., on the calendar pages thus $\odot \delta \Upsilon$, etc. By consulting the meaning of the signs and aspects on page 11, you will arrive at the meaning for the "sign language" used on pages 12-35, viz., Conjunction (ζ) of Mars (δ) and the Jupiter (Υ) occurs on this day. (See par. 2, page 11.)
- Conj.** — **conjunction** . . . moment of closest approach to each other of any two heavenly bodies.
- conscr.** . . . consecrated.
- declination** (see top left hand calendar pages) . . . measure of angular distance any celestial object lies perpendicularly north or south of celestial equator. Exactly analogous to terrestrial latitude. OFA gives declination at time each day the Sun is due South.
- Domical Letter** . . . used in reckoning civil calendars.
- Eclipse** . . . conjunction or opposition of sun and moon occurs with moon at or near a node.
- Eclipse, annular** . . . when sunlight shows around the Moon during the eclipse.
- Eclipse, lunar** . . . opposition of Sun and Moon with moon at or near node.
- Eclipse, solar** . . . conjunction of Sun and Moon with Moon at or near node.
- Ecliptic** . . . that circle in which the plane of the orbit of the Earth about the Sun would if extended cut the celestial sphere — or the apparent path of the Sun in the sky in a year due to the Earth's revolution about the Sun each year.
- El.** — **elongation** . . . apparent angular distance of a member of the solar system from the Sun as seen from the Earth.
- Epac** . . . used in reckoning ecclesiastical calendars, age of calendar moon Jan. 1.
- Eq.** . . . equator.
- Equinox, autumnal** . . . Sun passes from northern to southern hemisphere. Fall.
- Equinox, vernal** . . . sun passes from southern to northern hemisphere. Spring.
- E.S.T.** . . . Eastern Standard Time.
- Full Sea** (Morn and Eve) . . . the time the tide is high in the morning and in the evening at Commonwealth Pier, Boston. A correction table in the OFA also adjusts this time for other places. (See page 100.)
- Gr. El.** . . . greatest elongation.
- Geocentric** . . . measure of celestial longitude and latitude when observer is at center of the Earth.
- Golden Number** . . . used in reckoning civil calendars.
- Heliocentric** . . . measure of celestial longitude and latitude when observer is at center of the Sun.
- Inf.** — **Inferior** . . . Inferior conjunction is when the Planet is between the Sun and the Earth.
- Jullan Period** . . . First year was 4713 B.C. Its length is 7980 years.
- Key** . . . columns of letters marked thus refer to correction table on page 103-107 so that the times given may be adjusted to localities other than Boston.
- Lat.** — **latitude**.
- Moon's Age** . . . average time elapsing between new moons (max. $29\frac{1}{2}$ days). Calculated when Moon is due South.
- (D) First Quarter . . . moon in quadrature East or one half of the side of the moon toward the earth is illuminated.
- (O) Full Moon . . . moon reaches opposition.
- (Q) Last Quarter . . . moon in quadrature West.
- (●) New Moon . . . Sun and Moon in conjunction.
- Moon's Phases** . . . Aspects of Moon and Sun.
- Moon's Place** . . . Moon's position in the Zodiac when due South or which "sign" it is in. See page 11 — par. 3.
- Moon Rise and Set** . . . as used in the OFA apply only to risings and settings between sunset and sunrise . . . or during the night.
- Moon Runs High or Low** . . . day of month Moon Souths highest or lowest above the horizon.
- Moon Souths** : . . . Moon exactly above South point of observer's horizon.
- Node** . . . when a Planet or Moon in its motion crosses the ecliptic.
- Node, Ascending** . . . Planet or Moon crosses ecliptic from South to North.
- Node, Descending** . . . Planet or Moon crosses ecliptic from North to South.
- Occultations** . . . eclipses of Stars by the Moon.
- Opposition** . . . time when Sun, and Moon or Planet appear on opposite sides of the sky (elongation 180 degrees).
- O.S.** — **Old Style** . . . was when calendar was eleven days "out of whack." In September, 1752, the 3rd was reckoned as the 14th, to make present calendar.
- Penumbra** . . . concentric area of partial shadow around the umbra.
- Peri.** — **Perigee** . . . Moon reaches point in its orbit closest to Earth.

GLOSSARY (Continued)

- Peri.** — Perihelion . . . Planet revolving about the Sun reaches point in its orbit closest to Sun.
- Quadrature** . . . Moon or Planet lies a quarter turn of the sky from the Sun.
- R.A.** — Right Ascension . . . the measure Eastward along the celestial equator of any celestial body from the vernal equinox to the point where the circle which passes through the object perpendicular to the celestial equator intersects the latter.
- Rain** . . . drops large enough to splatter on the old man's bald head.
- Roman Indiction** . . . used in reckoning ecclesiastical calendars.
- Snow** . . . when a cat's tracks are visible on the barn roof.
- Solar Cycle** . . . used in reckoning civil calendars.
- Solstice, Summer** . . . point at which the Sun is farthest north of the celestial equator, passing overhead on the Tropic of Cancer. Beginning of Summer.
- Solstice, Winter** . . . limit of Sun's journey south of the celestial equator, passing overhead on the Tropics of Capricorn. Beginning of Winter.
- Star, Evening** . . . above horizon at Sunset.
- Star, Morning** . . . above horizon at Sunrise.
- Stat.** — stationary . . . when the apparent movement of a Planet against the background of Stars stops — just before same comes to opposition.
- Sunrise and Sunset** . . . visible rising and setting of Sun's upper limb across the unobstructed horizon of an observer whose eyes are 15 feet above ground level.
- Sun Fast** . . . the times given in this column must be subtracted from your Sun Dial to arrive at the correct time.
- Sup.** — Superior . . . Superior Conjunction is when the Sun is between the Planet and the Earth.
- Twilight** . . . begins or ends when stars of the sixth magnitude disappear or appear at the Zenith — or the Sun is appr. 18 degrees below the horizon.
- Umra** . . . deep shadow through which the Moon passes during eclipse.
- Underground Moon** . . . one which changes its phases between 12 M. and 1 A.M.
- Weather Indications** . . . in italics on the right hand calendar pages indicate the weather over, as a rule, three or four days time as shown by the spread of the words down the page.
- Zenith** . . . point in heavens directly over observer's head.
- Zodiac** . . . sixteen degree sky road outside of which moon and planets never wander. It is divided into twelve equal divisions called the Signs of the Zodiac. and forms much of the basis of some astrology — and superstition. See page 11 — par. 3 and page 37.

ANSWERS TO WORD CHARADES ON PAGE 80

- | | | | |
|--------------|----------------|-----------------|--------------|
| 1. Bayonet | 5. Rattlesnake | 9. Penmanship | 13. Telegram |
| 2. Civil | 6. Con-tent | 10. Grandson | 14. Ramrod |
| 3. Fire-lock | 7. Level | 11. Semi-circle | 15. Worsted |
| 4. Man-kind | 8. Latin | 12. Penmanship | 16. Skylark |

ANSWERS TO OLD-FASHIONED PUZZLES ON PAGE 82

Conundrums

1. The post-man. 2. A conundrum. 3. Author-ship. 4. A cast-a-net. 5. With a 3-foot rule. 6. The fin-is.

Riddles

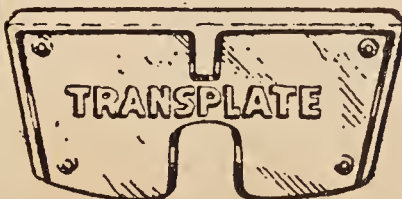
1. Hose. 2. Postage stamps.

Problems

1. Six rings. 2. Twenty-four rods. 3. Five feet.

Anagrams

1. Bless-ing. 2. Nomad. 3. March-Charm. 4. Melons-Lemons-Solemn.



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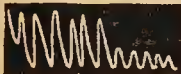
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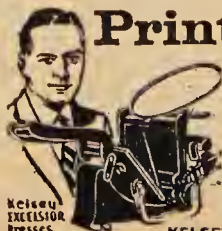
Cypher Contest Winners

Winners of the contest announced page 110 of the 1952 OFA were Lavina Thomas, Oakland, Maine (1st), Rita Huff, No. Edgewood, Maine (2nd), Doris Gallant, Searsport, Maine (3rd). It took an enlarging glass to see the key was 39-32 which referred to Page 39, line 32.

For this year, the money goes (1st, \$25.00—2nd, \$15.00—3rd, \$5.00) for the best one line rhyme to the solution of Cypher 72-2-2. Contest closes Aug. 15, 1953. No entries returned. . . all become property of Yankee, Inc. Case of the place money lumped and divided. Staff of YANKEE final judge. Winners announced 1954 OFA. Address Cypher Contest, Yankee, Inc., Dublin, N. H.

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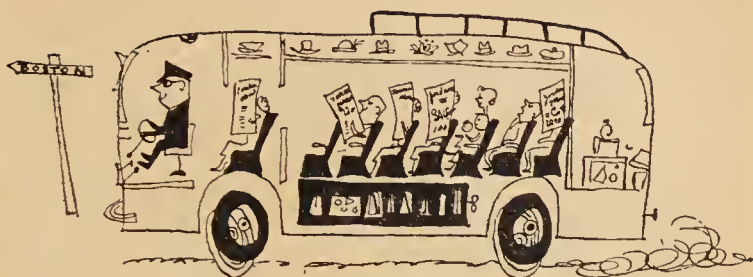


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Photo by L. Willard

VANISHING AMERICAN.

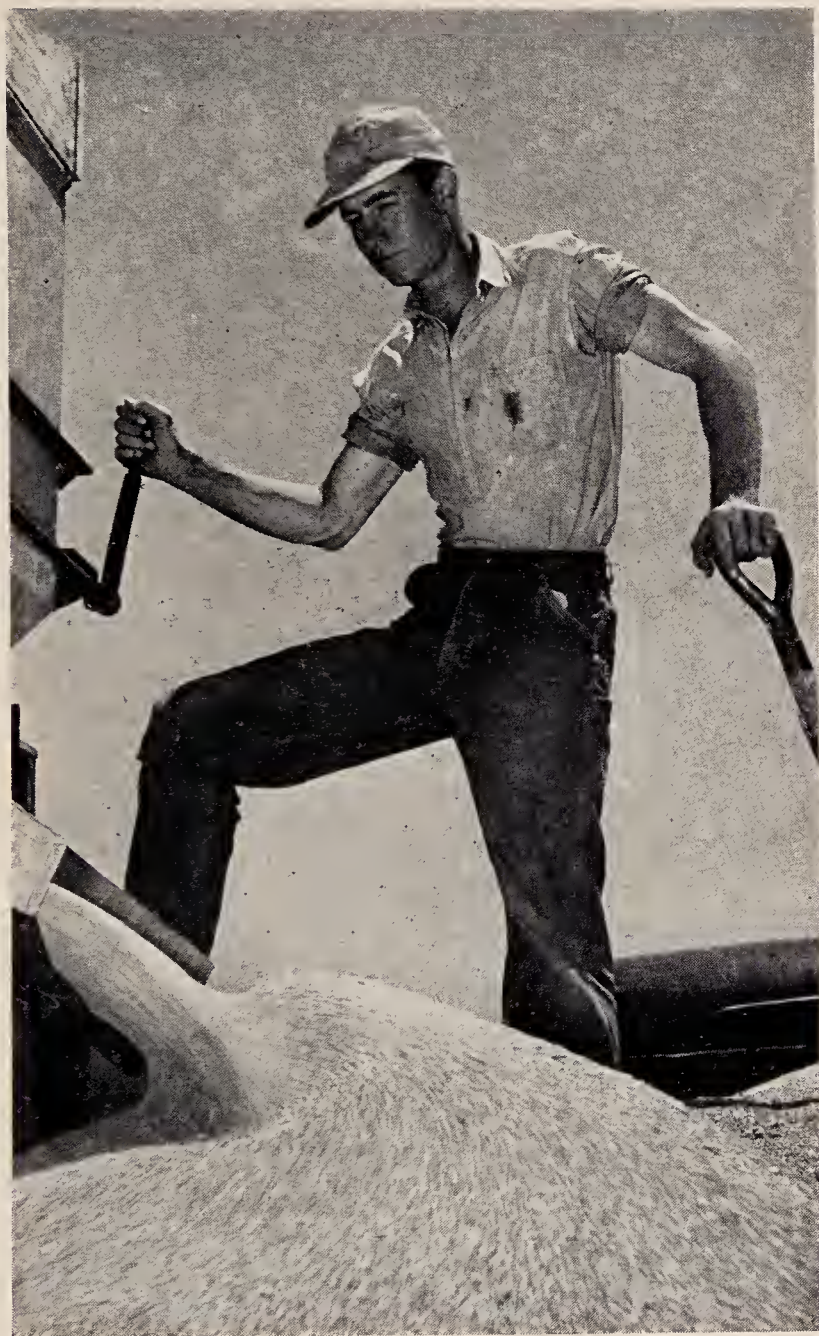
For the first time in history, horse population of the USA has dropped below the five million mark. Old Dobbin here in Scollay Square, Boston, seems unconcerned.



CATERPILLAR THREAT.

E. J. Courteau, Range Editor of the Hibbing, Minnesota Daily Tribune, reported an invasion during the Spring of 1952 of trillions upon trillions of forest tent caterpillars upon his state. Foliage was stripped from every tree in a 13 million acre area. Garden stuffs, bushes, fruit trees—all went. Enemy parasites keep the worm back except for once about every 15 to 17 years when the caterpillars outbreed them. Just before ending its life as a worm the caterpillar drops to the ground and starts a "march" in search of a place to pupate. In Minnesota this year, this "march" covered highways, railway tracks, interior and exterior house walls—and walks. The worms had to be shovelled and scooped away—cremated—for public safety and interest.

In the East, the problem is not as serious—but well could be. Minnesotans confess that local officials and residents, maintained the same do-nothing attitude about these pests



one now finds in the East. The caterpillar nuisance should be done away with before it is too late. In the meanwhile, America's great wheat belt brought forth in 1952 the greatest crop in history to push insect threats farther and farther into the hinterland. Photo above by Bob Taylor shows worker opening the flood gate of his truck so that the wheat from the fields is joined to huge reserves. (Telephoto of Eastern tent caterpillars by R.S.)



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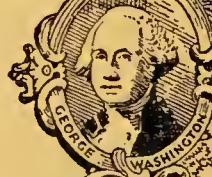
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