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SPRING.



SUMMER.

THE OLD

FARMER'S

1959

ALMANAC

BY ROBERT B. THOMAS



AUTUMN.



WINTER.

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Now unto Heav'n direct thy curious Eyes,
And view the wonderous Glory of the Skies:
And send thy Mind to walk the highest Sphere,
And know the Heav'ns as if thou hadst been there.
Each Star above doth in a silent Story,
Declare the Greatness of their Maker's Glory.
Anon. 1726

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METHOD OF TRIMMING HAIR
In accordance with the Blue Laws of
Connecticut.

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This ALMANAC is not easily produced. There are some 400,000 calculations which must be made, and verified. Before use, therefore, a thorough study of the explanations which follow and appear on pages 3, 7-9, 15, 91, and 97-102 is recommended. Queries must be accompanied by stamped addressed reply envelope.

The LONG RANGE FORECASTS about the weather appear in prose on page 9 and in verse, *in italics*, on pages 17 through 39. Opposite January 1 to 5, on Page 17, you will note: "*Snowy contortions of blizzard proportions.*" which means the Almanac expects this kind of weather sometime during this period . . . in the Boston area. For adjustments to other localities see pages 9 and 97.

For those interested in the INFLUENCE OF THE MOON, ZODIAC, etc. fishermen will appreciate page 14 where the best Moon Dates for fishing are given; also when the Moon is in CNC, SCO, or PSC (pages 16-38) is most favorable. The new columns (pages 16-38) on Moon Rise and Set should be especially valuable. This is information carried *only* by this Almanac. Planters should consult Page 42 and the signs CNC, LIB, and SCO; brush cutters the full and last quarters of the Moon; post setters and women wanting permanent waves, TAU, LEO, and AQR. For tooth extraction, G'M, VIR, SGR, CAP, and PSC seem best. Such superstitions of course have no sensible value, but these are all here for those who believe they have.

To Patrons

This is the 167th consecutive annual edition of **The (Old) Farmer's Almanac(k)** . . . the oldest continuously published, in the same name and format, periodical in America. This edition is for the year 1959, or Atomic Year 15. Over 1,250,000 copies have been made available for sale.

Since the press date, July 1957, of our last edition two major comets — the first since 1910 (Arend-Roland and Cherbak-Mkros) — as well as several man-made satellites have brought about renewed interest in outer space. Such diversions, contributing as these have to man's spirit of adventure and the broadening of his imagination, serve to remind us of the marvels of the Creation and the Universe. On the other hand, the continuance of thermo-nuclear H Bomb explosions and experiments with intercontinental ballistic missiles reveal the Evil One is with us yet.

If we may believe students of cyclical trends, especially The Foundation for the Study of Cycles, 1959 is to be a year of lull before a storm of international warfare which will begin in 1960. In this, as we urged here a year ago, it seems vital the national budget be brought into balance and the dangerous rivers of private as well as public debt be dammed. Surely, as is not now the case, any strong defense must be consonant with an **unassailable economy**.

The Calendar Page poetry this year is taken from a 1783 Almanac — author unknown. The Farm Calendars have been prepared as usual by Benjamin M. Rice — the Astronomy, etc., by Loring Andrews. You will not find a "Moon Souths" column this year on the left hand calendar pages inasmuch as an extra column has been introduced which enables readers to determine the times of both rising and setting of the moon, day or night, throughout the year anywhere in the U.S.A. However as the Moon's Place in the Zodiac is given as of the time of the Moon's Southing those readers who desire this information may, by consulting Page Seven herewith arrive at these desired times. The apparent error in not advancing (page 15) the Chronological Cycles last year for 1958 one year over 1957 has been taken up this year in advancing same two years over 1957. The new Fish & Game Tables, devised last year, have met with favorable comment, especially among the State Commissioners.

It seems regrettable that the simian imitation of this Almanac through such devices as similarity of title, appearance, content, and publicity releases continues to deceive the unwary. Legally, the theft of goodwill seems punishable only to the extent of proven damages — a difficult task when increasing sales everywhere of this Almanac seem to be the rule.

A. C., Wichita, Kans.: Your request for a page giving marital requirements in the various states duly noted. If we may judge from observation, in most we would say these consist only in being able to boast of one good eye, a Social Security check, and the ability to stand up during the ceremony. F. F. P., Wildwood, N. J., and H. A. Bergen, N. J. States Trees, Birthstones, Flowers, and Birds have long been contemplated as useful information here, or were until the New Hampshire legislature got to arguing for some months at taxpayers' expense as to whether a chickadee, chicken, or dodo become this state's bird. C. A. H., Chicago, Ill.: Pluto may be an escaped moon from Neptune but like some taxpayers its new residence is not yet established and so must still be considered a planet. B. B. B., Cohasset, Mass.: Just to please you, the weather in this Almanac is given both in verse and prose.

As in other years, we are unable to find words or ways to express fully the gratitude this Almanac owes to the many without whose aid and interest it could not exist. We trust our own efforts in its behalf may continue to warrant your approbation. 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 30, 1958

EDAVILLE RAILROAD



What could be more nostalgic, and more fun too, than riding a real old time steam train on a 5 ½ mile trip through the heart of Cape Cod's Cranberryland. With steam locomotives now virtually extinct on American Railroads, EDAVILLE is one of the few remaining places in this country where you can turn back the pages of time and relive the golden years of railroad-ing. There is fun for the entire family — Don't miss it! In addition to the fabulous train ride, there is a very complete railroad museum, a fire equipment museum, steam locomotives of many types and gauges, a horse car ride, free picnic groves and playground. It is a paradise for camera enthusiasts.

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Route 58, South Carver, Massachusetts

1959

Holidays

WEATHER

† Are recommended as "with pay" holidays—regardless of regular periods—for all commercial employes. (*) Quite generally observed. All dates are also included in abbreviated form in the Farm Calendars, pages 17-39. (**) State holidays only. (***) Observed some places though probably not holidays.

Jan. 1 (*†) New Year's, Thurs., Stormy and cold.	May 20 (**) Mecklenburg (N. C.)
Jan. 8 (**) Battle of New Orleans	May 30 (*†) Decoration or Memorial Day, Sat., Showers
Jan. 19 (**) Robert E. Lee's Birthday (South)	June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., Ky., La., Miss., S. C., Tenn., Tex. & Va.)
Jan. 26 (**) MacArthur (Ark.)	June 14 (**) Flag (Mo. & Pa.)
Jan. 30 (**) F. D. R's Day (Ky.)	June 15 (**) Pioneer Day (Idaho)
Feb. 10 (**) Mardi Gras (Ala., Fla., La.)	June 17 (**) Bunker Hill (Suffolk Co., Mass.) Wed., Misty.
Feb. 12 (*) Lincoln's Birthday. (13 States), Thurs., Stormy, warm.	June 20 (**) West Virginia Day
Feb. 14 (**) Admission Day (Ariz.)	June 21 (***) Father's Day
Feb. 14 (***) Valentine's Day	July-4 (*†) Indep., Sat., Hot.
Feb. 15 (***) Susan B. Anthony	July 13 (**) Forrest's (Tenn.)
Feb. 22 (*†) George Washington's Birthday, Sun., Sleet.	July 24 (**) Pioneer Day (Utah)
Mar. 1 (**) State Day (Nebraska)	Aug. 1 (**) Colorado Day
Mar. 2 (**) Texas Ind. Day	Aug. 14 (**) Victory (Ark., R. I.)
Mar. 7 (**) Burbank Day (Cal.)	Aug. 16 (**) Bennington, Vt. Bat.
Mar. 15 (**) Jackson Day (Tenn.)	Aug. 30 (**) Huey Long (La.)
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)	Sept. 7 (*†) Labor Day, Mon., Rain.
Mar. 25 (**) Maryland Day	Sept. 9 (**) Admission Day (Cal.)
Mar. 27 (**) Good Friday (Ark., Cal., Conn., Del., Fla., Ill., Ind., La., Md., Minn., N. J., N. D., Penn. & Tenn.) Rainy wind.	Sept. 12 (**) Defender's (Md.)
Mar. 30 (**) Easter Monday (N. C.)	Sept. 16 (**) Cherokee (Okla.)
Apr. 12 (**) Halifax Day (N. C.)	Sept. 17 (***) Citizenship Day
Apr. 13 (**) Jefferson Day (Ala., Mo., Neb., Okla.)	Sept. 25 (***) Am. Indian Day
Apr. 14 (**) Pan American Day	Oct. 5 (**) Missouri Day
Apr. 19 (**) Patriots' Day (Me., Mass.), Sun., Cold, snow.	Oct. 10 (**) Okla. Hist. Day
Apr. 21 (**) San Jacinto (Tex.)	Oct. 11 (**) Pulaski Day (Neb.)
Apr. 22 (**) Okla. Day	Oct. 12 (*†) Columbus (All states except 10) Mon., Fine
Apr. 24 (**) Nat'l Arbor Day	Oct. 24 (**) United Nations Day
Apr. 26 (**) Memorial Day (Ala., Fla., Ga., Miss.)	Oct. 31 (**) Nevada Day
Apr. 27 (**) Fast Day (N. H.), Mon., Storms	Nov. 1 (**) All Saints' Day (La.)
May 4 (**) R. I. Indep. Day	Nov. 4 (**) Will Rogers (Okla.)
May 10 (**) Mem. Day (N. & S. C.)	Nov. 11 (*†) Veterans' (All states except 4) Wed., Storms
May 10 (***) Mother's Day	Nov. 14 (**) Sadie Hawkins Day
May 16 (**) Armed Forces Day	Nov. 23 (**) Repudiation (Md.)
	Nov. 26 (*†) Thanksgiving Day, Thurs., Rain
	Dec. 7 (**) Delaware Day
	Dec. 10 (**) Wyoming Day
	Dec. 21 (***) Forefather's Day
	Dec. 25 (*†) Christmas Day, Fri., Green

LONG HOLIDAY WEEKENDS, 1959

The year 1959 promises at least five long holiday weekends: Feb. 22nd (Sun. celebrated Mon.), Labor Day (Mon.), Columbus Day (Mon.), Thanksgiving (Thursday) and Christmas (Friday). For those whose plans may be said to be variable, one can also count four more: New Year's Day (Thurs.), Lincoln's (Thurs.), Good Friday (some states), Fast Day (Mon. N. H. only). If this Almanac was purchased Nov. 1, 1958 or before Thanksgiving, one should also remember the latter, and that Christmas, 1958 falls on a Thursday.

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ECLIPSES FOR THE YEAR 1959

There will be three eclipses in 1959, two of the Sun and one of the Moon. Only the eclipse of the Sun on October 2 will be visible from points within the United States and even then under unfavorable circumstances.

I. **A Partial Eclipse of the Moon, March 24, 1959.** The beginning of this eclipse will be visible generally in Australia, the extreme western part of the Pacific Ocean, Asia except the extreme northeastern part, the Indian Ocean, Europe, Africa, the east part of the South Atlantic Ocean, and Antarctica. Its ending will be visible generally in Asia except the northeastern part, western Australia, the Indian Ocean, Africa, Europe, the Atlantic Ocean except the northwestern part, the eastern tip of South America and Antarctica.

II. **An Annular Eclipse of the Sun, April 8, 1959.** The path of visibility of the annular phase starts at sunrise in the South Indian Ocean and ends at sunset northeast of the Samoas. Midway the eclipse will be visible from Australia, from points within the 140 mile wide path from Perth in the southwest straight across the desert to Cape Melville in the northeast. Further northeast some islands in the Solomon, Marshall and Society Islands also lie within the path. As a partial eclipse it will be visible generally in the South Indian and South Pacific Oceans from near the Cape of Good Hope on the west to the longitude of Hawaii on the east.

III. **A Total Eclipse of the Sun, October 2, 1959.** The path of totality of this eclipse begins in New England at sunrise, swinging eastward from north-central Massachusetts across Boston and the Massachusetts coastline north of Boston into the Atlantic. It next touches land at the Gold Coast in Africa and cuts a southeast course across the continent to Italian Somaliland on the east, ending at sunset in the Indian Ocean. As a partial eclipse it will be visible generally throughout the northern hemisphere, from points east of the line from Tallahassee, Florida to Hudson Bay in North America, the Atlantic Ocean, Europe, the Middle East, and all of Africa but its southernmost part.

EARTH IN PERIHELION AND APHELION, 1959

The Earth will be in Perihelion on January 1, 8 P.M., distant from the Sun 91,318,000 miles. The Earth will be in Aphelion on July 5, 2 A.M., distant from the Sun 94,427,000 miles.

TO FIND TIMES OF MOON SOUTHS

The time the Moon souths at Boston on any date in approximately midway between the time of moonrise on that date and the time of the *next following* moonset. The time so found is usually sufficiently accurate for most purposes.

When moonrise occurs late in the afternoon of the date, the moonset *next following* will usually be that of the following day. The average of these times may be a time early in the morning of that next day. When this happens, repeat the procedure starting with moonrise of the day preceding that for which the time the moon souths is desired.

If greater accuracy is needed, apply the additional correction in minutes from this table:

No. of days from		0	1	2	3	4	5 to 8	9	10	11	12	13
☽—runs high	Add	0	2	3	4	4	4	3	2	2	1	0
☽—rides low	Subtract	0	1	2	3	3	4	3	3	3	2	1

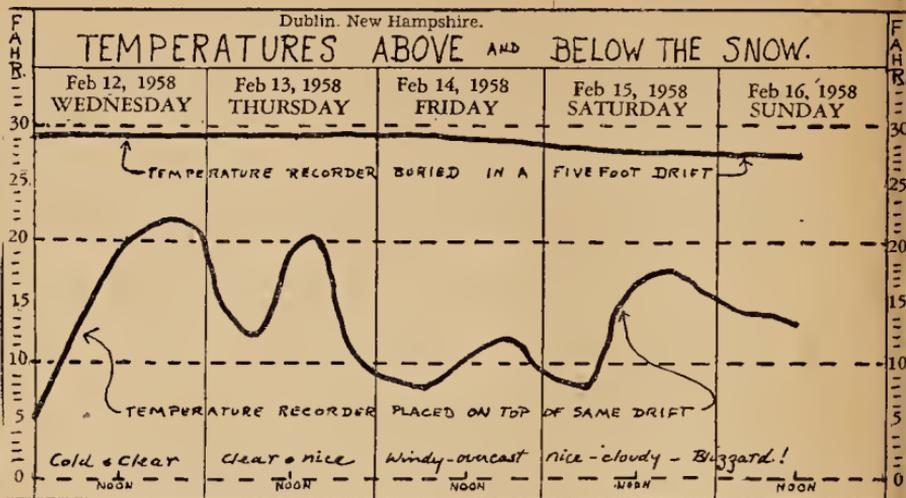
Examples: On April 10 moonrise (see page 22) at Boston is at 6.36 A.M., moonset at 8.50 P.M. The approximate time the moon souths at Boston (average of these times) is 1.43 P.M. April 10 is eleven days after the previous date the moon (see page 20) rode low (March 30). Subtracting the correction of 3 minutes, shown in the table above, gives the more accurate time of 1.40 P.M.

On April 26 moonrise at Boston is at 10.43 P.M. The next following moonset is on April 27 at 8.46 A.M. The average of these times is 3.44 A.M., April 27, the following day. Repeating the computation starting with moonrise of April 25 gives the time the moon souths as 2.43 A.M., April 26. Since April 26 is a day on which the moon rides low, no further correction is needed for greater accuracy.

The time the moon souths at 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 ☽ on pages 100-1.

BOSTON		PITTSBURGH	
Moon souths	1.40 P.M.E.S.T.	Moon souths (Boston)	1.40 P.M.
April 10		Correction (Column I, page 101)	+ :36
See above		Correction (Column ☽, page 101)	+ :01
		Moon souths (Pittsburgh)	2.17 P.M.E.S.T.

FOR FULL MOON DAYS (1959-1962) SEE PAGE 108



LAST WINTER'S WEATHER

The above chart leads off our summary of how the weather was between November 1957 and March 1958 because of the unusual lasting qualities of the snows from January on. Although in some places like Montana and Nova Scotia the season was almost exceptionally mild—and started off to be so during November and December in New England—practically all the snow which fell elsewhere on elevations of 500 feet or more stayed right there until nearly the end of April. Thus, even though the apparent total snowfall was not as great as it has been in some other years, these spots had accumulations by mid-March rarely, if ever, seen during this century. Many people had snow up to the second story—and the average man soon had to abandon all hope of keeping the front entrance cleared to more than passage room—and even that had to be on a one or two foot base.

Using the Blue Hill Observatory record of what actually happened against the forecasts of Abe Weatherwise which appeared on Page 9 of last year's Almanac, we find that of the 31 forecasts made for the period (Nov.-Mar.), 67% were correct. Of the total, only 2 were completely incorrect, and 15 were completely correct. The balance were partially right. He foresaw Florida's cold wave—the severe storms of Jan. 7, 14, Feb. 9, Mar. 9 and 15, but was only half right on those of Feb. 16 and Mar. 20.

As we go to press, the woods seem damper than usual at this time of year—giving rise to the belief there are many more insects about than in other years. Also, the birds are returning from two to three weeks late. But the apple blossoms seem to be out right on their normal average date of bloom (May 20).

While Illinois and Texas were experiencing their wettest Novembers ever, New England enjoyed its second warmest December on record. The 12-20" snowstorm of January 7 and 8 set the wintry pattern of many so-called "Ben Franklin's storms"—so called because of his discovery that New England's northeasters really begin in Virginia. Jan. 14-15 saw 2.64" rain in 24 hours: the 25-29th anywhere from 6" to 20" snow. Feb. 7-9 brought snow and rain and on the 16th Blue Hill experienced its greatest 24-hour snowfall (22.2") on record. The month left with a 1.86" deposit of rain, snow and sleet. On March 3, Greenville, Maine, was seen with 54" of snow cover and ice 26" thick. On top of this, March delivered three near blizzards—on the 9th, 15th and 20-22—creating emergencies in such places as New Haven, Conn. All told, March presented only 3 clear days.

Weather Forecast

(Applies to Boston but will work for other places by subtracting one day for each Time Zone west, by reading five deg. lower temperature for every 100 miles north of 42 Lat. N. or 5 deg. higher for every 100 mi. South of 42 Lat. N. and by considering every 1000 feet of altitude is five degrees cooler.)

This is May 28, 1958 and Abe Weatherwise, our traditional forecaster has just handed us his views on the weather for the period beginning November 1, 1958 through and including December 31st, 1959. Summary and full details follow herewith and in verse on pages 17 through 39.

"MILDER THAN USUAL"

The seasonal snowfall (Nov. '58-Mar. '59) will amount to between 30 and 61 inches as against 90.5 inches last season.

Annual rainfall for the 12 months of 1959 will be from 50 to 80 inches compared with the 46.8 seventy-three year average — one third of same falling in June and July.

Average temperature for the 12 months of 1959 will fall to between 48 and 49 degrees, a degree or so above average.

In general expect a cold Dec. ('58), a mild February, ('59) an early Spring, a hot, wet June and July, and an early cool Fall.

November, 1958. Temp. 35-40 (1 to 5 above normal), 2" snow, 6-8" rain. 1-3, Windy, cold; 4-10, Moderates then storm; 11-15, Snow; 16-20, Clears then storms; 21-25, Blnstery with snow squalls; 26-30, Rain or snow.

December, 1958. Temp. 25-28 (slightly below normal), 5-7" snow, 3-4" rain, 1-2, Cold rain; 3-10, Wind brings snow; 11-15, Snow storm; 16-23, Mild then bitter; 24-25, Lowery; 26-31, Cold then storms.

January, 1959. Temp. 21-26 (3 to 6 above normal), 7-20" snow, 2-6" rain. 1-7, Near blizzard; 8-15, Mild but not clear; 16-23, Clear, cold, then mild; 24-31, Thaw, stays mild.

February. Temp. 25-28 (2½ to 5½ above normal), 12-15" snow, 3-4" rain. 1-6, Northeast storm with snow; 7-14, Southeast storm with rain; 15-22, Storm with rain and wind; 23-28, Snows.

March. Temp. 33-36 (1 to 4 above normal). 0-12" snow, 2½-6" rain. 1-7, Milder occasional rain; 8-16, Cold, snow, then clear and mild; 17-23, Windy and cool; 24-31, Clear and sunny.

April. Temp. 45-47 (1 to 3 above normal), 1-4" snow, 3" rain. 1-6, Coastal fog, clear inland; 7-15 Cool, windy; 16-23, Rain and snow; 24-30, Intermittent showers.

May. Temp. 53-59 (Normal). 4½-6" rain. 1-6, Hall and tornadoes; 7-15, Cooler; 16-22, Rain; 23-28, Windy, warmer with showers; 20-31, Hot.

June. Temp. 63-66 (½ deg. above normal). 9-11" rain. 1-5, Occasional showers; 6-14, Heavy rains; 14-20, Mrky and hot; 21-26, Never quite clears or cools; 27-30, Cool and fine.

July. Temp. 66-68 (1 to 3 below normal). 4-12" rain. 1-4, Fair; 5-12, Cool between showers; 12-18 Hot and much rain; 19-25, Clears off hot; 26-31, Changeable with rain.

August. Temp. 67-72 (0 to 5 above normal). 3-6" rain. 1-3, Hnmid; 4-10, Tornado or two; 10-16, Storm from East; 17-25, Cool and windy; 26-31, Cool and nice.

September. Temp. 59-63 (1 above normal). 5-7" rain. 1-8, Pleasant and mild; 9-15, Cooler; 16-23, Clear, signs of frost; 24-30, Rain.

October. Temp. 51-53 (1½ to 3½ above normal). 2-3" rain. 1-7, Clear; 8-15, Mnch colder, some rain; 16-22, Stormy with high winds; 23-31, Changeable.

November. Temp. 38-42 (3 to 7 above normal). Trace of snow. 1-4" rain. 1-6, Clears off windy; 8-14, Rain, snow flurries in places; 15-22, Rain, wind, and snow; 23-30, Clears off cold.

December. Temp. 25-32 (Normal). 2-4" snow, 2-3" rain. 1-5, North-easter with sleet; 6-12, Fair but chilly; 13-20, Milder with rain; 21-27, Clears then snow flurries; 28-31, Fair and colder.

N. B. For verification, compare the above with the monthly and annual summaries issued by the Blue Hill Meteorological Observatory, Milton, Massachusetts.

VENUS, MARS, JUPITER AND SATURN, 1959.

Below are given the times 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 pages 98-100.

1959		VENUS		Key	MARS		Key	JUPITER		Key	SATURN		Key	
		h	m		h	m		h	m		h	m		
JANUARY	1st	sets	5 17 P.M.	C	sets	3 15 A.M.	M	rises	3 32 A.M.	M	rises	6 22 A.M.	N	
	"	11th	" 5 41 P.M.	D	"	2 45 A.M.	N	"	3 01 A.M.	M	"	5 47 A.M.	N	
	"	21st	" 6 07 P.M.	E	"	2 21 A.M.	N	"	2 30 A.M.	M	"	5 13 A.M.	N	
FEBRUARY	1st	sets	6 35 P.M.	F	sets	1 58 A.M.	N	rises	1 54 A.M.	M	rises	4 34 A.M.	N	
	"	11th	" 7 01 P.M.	G	"	1 40 A.M.	N	"	1 21 A.M.	N	"	3 59 A.M.	N	
	"	21st	" 7 25 P.M.	H	"	1 24 A.M.	O	"	12 46 A.M.	N	"	3 24 A.M.	N	
MARCH	1st	sets	7 45 P.M.	I	sets	1 12 A.M.	O	rises	12 17 A.M.	N	rises	2 55 A.M.	N	
	"	11th	" 8 09 P.M.	K	"	12 58 A.M.	O	"	11 40 P.M.	N	"	2 18 A.M.	N	
	"	21st	" 8 34 P.M.	L	"	12 44 A.M.	O	"	11 01 P.M.	N	"	1 40 A.M.	N	
APRIL	1st	sets	9 01 P.M.	M	sets	12 28 A.M.	P	rises	10 16 P.M.	N	rises	12 50 A.M.	N	
	"	11th	" 9 26 P.M.	N	"	12 13 A.M.	P	"	9 34 P.M.	N	"	12 20 A.M.	N	
	"	21st	" 9 49 P.M.	O	"	11 58 P.M.	P	"	8 50 P.M.	N	"	11 41 P.M.	N	
MAY	1st	sets	10 09 P.M.	P	sets	11 40 P.M.	O	rises	8 06 P.M.	M	rises	11 01 P.M.	N	
	"	11th	" 10 24 P.M.	P	"	11 23 P.M.	O	rises	7 21 P.M.	M	"	19 20 P.M.	N	
	"	21st	" 10 32 P.M.	P	"	11 05 P.M.	O	sets	4 23 A.M.	E	"	9 39 P.M.	N	
JUNE	1st	sets	10 33 P.M.	O	sets	10 43 P.M.	N	sets	3 36 A.M.	E	rises	8 53 P.M.	N	
	"	11th	" 10 26 P.M.	N	"	10 22 P.M.	N	"	2 53 A.M.	E	"	8 11 P.M.	N	
	"	21st	" 10 13 P.M.	M	"	10 00 P.M.	M	"	2 11 A.M.	E	rises	7 29 P.M.	N	
JULY	1st	sets	8 18 P.M.	J	sets	9 37 P.M.	M	sets	1 29 A.M.	E	sets	3 59 A.M.	D	
	"	11th	" 9 29 P.M.	K	"	9 13 P.M.	L	"	12 48 A.M.	E	"	3 17 A.M.	D	
	"	21st	" 8 58 P.M.	J	"	8 49 P.M.	L	"	12 08 A.M.	E	"	2 35 A.M.	D	
AUGUST	1st	sets	8 18 P.M.	J	sets	8 22 P.M.	K	sets	11 25 P.M.	E	sets	1 49 A.M.	C	
	"	11th	" 7 31 P.M.	I	"	7 56 P.M.	K	"	10 47 P.M.	E	"	1 07 A.M.	C	
	"	21st	" 6 36 P.M.	I	"	7 31 P.M.	J	"	10 12 P.M.	E	"	12 26 A.M.	C	
SEPTEMBER	1st	sets	5 32 P.M.	I	sets	7 04 P.M.	I	sets	9 30 P.M.	E	sets	11 42 P.M.	C	
	"	11th	rises	4 19 A.M.	H	"	6 39 P.M.	I	"	8 54 P.M.	E	"	11 03 P.M.	C
	"	21st	" 3 23 A.M.	J	"	6 11 P.M.	H	"	8 20 P.M.	E	"	10 24 P.M.	C	
OCTOBER	1st	rises	2 43 A.M.	J	sets	5 45 P.M.	H	sets	7 42 P.M.	D	sets	9 42 P.M.	C	
	"	11th	" 2 23 A.M.	J	"	5 21 P.M.	G	"	7 08 P.M.	D	"	9 05 P.M.	C	
	"	21st	" 2 16 A.M.	J	sets	4 57 P.M.	F	"	6 36 P.M.	D	"	8 29 P.M.	C	
NOVEMBER	1st	rises	2 18 A.M.	J	rises	6 09 A.M.	L	sets	6 00 P.M.	D	sets	7 49 P.M.	C	
	"	11th	" 2 26 A.M.	I	"	6 06 A.M.	M	"	5 28 P.M.	D	"	7 13 P.M.	C	
	"	21st	" 2 38 A.M.	H	"	6 03 A.M.	M	"	4 56 P.M.	D	"	6 39 P.M.	C	
DECEMBER	1st	rises	2 54 A.M.	G	rises	6 00 A.M.	N	sets	4 22 P.M.	D	sets	6 04 P.M.	C	
	"	11th	" 3 12 A.M.	G	"	5 57 A.M.	N	"	6 32 A.M.	N	"	5 20 P.M.	C	
	"	21st	" 3 31 A.M.	F	"	5 53 A.M.	N	"	6 08 A.M.	N	"	4 56 P.M.	C	
"	31st	rises	3 50 A.M.	E	rises	5 49 A.M.	O	sets	5 39 A.M.	N	sets	4 22 P.M.	D	

MORNING AND EVENING STARS, 1959

(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 12, July 8 and November 3. On these dates it will set 1 h. 45 m., 1 hr. 22 m., and 54 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations, about April 26, August 23 and December 12, on which dates it will rise 50 m., 1 hr. 31 m., and 1 h. 52 m., respectively, before sunrise.

Venus will be an Evening Star from the year's beginning until September 1, when it comes to conjunction. For the balance of the year it will be seen in the eastern sky before sunrise as a Morning Star. It will reach its greatest brilliancy, while an Evening Star, on July 26, and, while a Morning Star, on October 8.

Mars is also an Evening Star during most of the year, until October 30 when it reaches conjunction. For the balance of the year it is a Morning Star.

Jupiter is a Morning Star from January 1 until May 18, when it comes to opposition. From May 18 until it reaches conjunction on December 6 it will be an Evening Star, then again a Morning Star for the balance of the year.

Saturn is a Morning Star for the first half of the year, from January 1 to June 26, and an Evening Star for the second half of the year, from June 26 onward.



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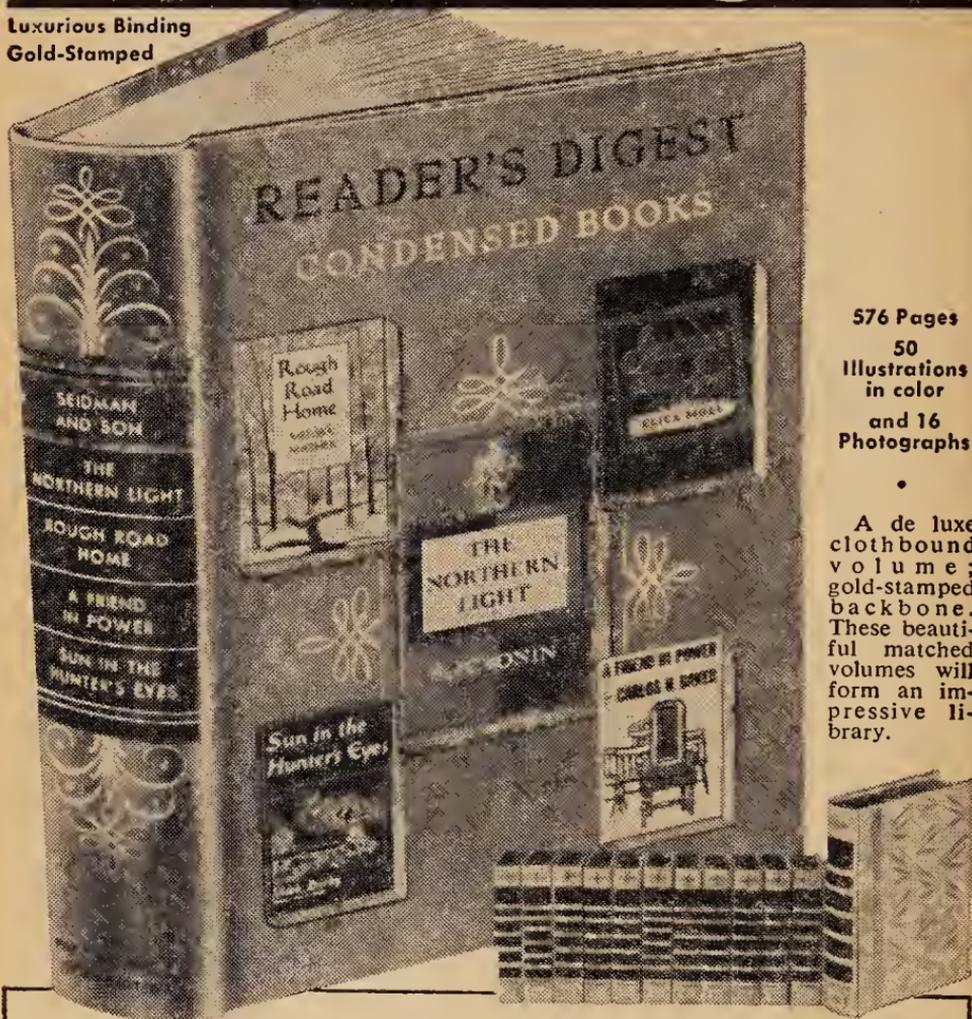
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IF NECESSARY.

1958

JANUARY.							FEBRUARY.							MARCH.							APRIL.								
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	-	-	1	2	3	4	5	6	7	8	-	-	1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8	6	7	8	9	10	11	12		
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15	13	14	15	16	17	18	19		
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22	20	21	22	23	24	25	26		
26	27	28	29	30	31	-	23	24	25	26	27	28	-	23	24	25	26	27	28	29	27	28	29	30	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	2	3	1	2	3	4	5	6	7	-	-	1	2	3	4	5	-	-	-	-	-	1	2		
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9		
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16		
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23		
25	26	27	28	29	30	31	29	30	-	-	-	-	-	27	28	29	30	31	-	-	24	25	26	27	28	29	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	5	6	5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13		
7	8	9	10	11	12	13	12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20		
14	15	16	17	18	19	20	19	20	21	22	23	24	25	16	17	18	19	20	21	22	14	15	16	17	18	19	20		
21	22	23	24	25	26	27	26	27	28	29	30	31	-	23	24	25	26	27	28	29	21	22	23	24	25	26	27		
28	29	30	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	28	29	30	31	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Bold Face Dates 1959 **Best Fishing Days**

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	-	-	-	-	-	-	-	29	30	31	-	-	-	-	26	27	28	29	30	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	6	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30	-	-	-	-	26	27	28	29	30	31	-	23	24	25	26	27	28	29
31	-	-	-	-	-	-	-	-	-	-	-	-	-	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
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
27	28	29	30	-	-	-	25	26	27	28	29	30	31	29	30	-	-	-	-	-	27	28	29	30	31	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1960

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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	-	1	2	3	4	5	6	-	-	1	2	3	4	5	-	-	-	-	-	1	2
3	4	5	6	7	8	9	7	8	9	10	11	12	13	6	7	8	9	10	11	12	3	4	5	6	7	8	9
10	11	12	13	14	15	16	14	15	16	17	18	19	20	13	14	15	16	17	18	19	10	11	12	13	14	15	16
17	18	19	20	21	22	23	21	22	23	24	25	26	27	20	21	22	23	24	25	26	17	18	19	20	21	22	23
24	25	26	27	28	29	30	28	29	-	-	-	-	-	27	28	29	30	31	-	-	24	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	2	3	4	5	6	7	-	-	1	2	3	4	-	-	1	2	3	4	5	-	1	2	3	4	5	6	
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	4	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31	-	-	-	-	26	27	28	29	30	-	-	24	25	26	27	28	29	30	28	29	30	31	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	2	3	4	5	6	7	8	-	-	1	2	3	4	5	-	4	5	6	7	8	9
4	5	6	7	8	9	10	9	10	11	12	13	14	15	6	7	8	9	10	11	12	4	5	6	7	8	9	10
11	12	13	14	15	16	17	16	17	18	19	20	21	22	13	14	15	16	17	18	19	11	12	13	14	15	16	17
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25	26	27	28	29	30	-	30	31	-	-	-	-	-	27	28	29	30	-	-	-	25	26	27	28	29	30	31
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Introduction

STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 26, (deduct it Oct. 25) for Daylight Saving Time
For States which retain September D.S.T. Closing Date, Deduct it Sept. 27.

Chronological Cycles for 1959.

Golden Number	3	Solar Cycle	81	Roman Indiction	12
Epact	21	Dominical Letter*	D	Year of Julian Period	6672

*The Dominical Letter is used instead of the usual "S" for "Sunday" by almanac makers for determining at a glance (a) the year of the almanac, (b) on what day of the week any day of the month will fall.

Movable Feasts and Fasts for 1959.

Septuagesima Sun.	Jan. 25	Good Friday	Mar. 27	Whitsunday	May 17
Shrove Sunday	Feb. 8	Easter Sunday	Mar. 29	Trinity Sunday	May 24
Ash Wednesday	Feb. 11	Low Sunday	Apr. 5	Corpus Christi	May 28
1st Sun. in Lent	Feb. 15	Rogation Sun.	May 3	1st Sunday in	
Palm Sunday	Mar. 22	Ascension Day	May 7	Advent	Nov. 29

THE SEASONS OF 1959

Winter (1958)	December 22	3.40 A.M.	(Sun enters Capricornus)
Spring (1959)	March 21	3.55 A.M.	(Sun enters Aries)
Summer	June 21	10.50 P.M.	(Sun enters Cancer)
Fall	September 23	2.09 P.M.	(Sun enters Libra)
Winter	December 22	9.35 A.M.	(Sun enters Capricornus)

Names and Characters of the Principal Planets.

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

Names and Characters of the Aspects.

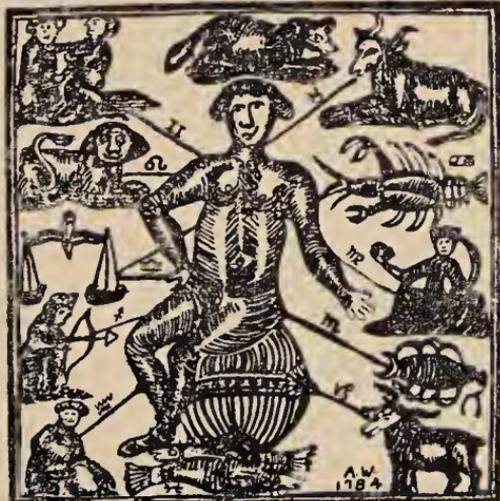
♋ Conjunction, or in the same degree.	♋ Dragon's Head, or Ascending Node.
♌ Quadrature, 90 degrees.	♌ Dragon's Tail, or Descending Node.
♍ Opposition, or 180 degrees.	

CALENDAR PAGE EXPLANATIONS AND SIGNS

On the right hand pages you will find every now and again the symbols given above conjoined in groups of three to give you what is happening in the heavens. See Glossary, Page 91. Example: ☉♃☾ on page 17 opposite Jan. 7 means Saturn and the Moon are on that day in conjunction, or nearest to each other. See also pages 98-102 which explain how you may correct these pages 17-39 for use anywhere in the U.S.A. See also pages 7, 9, 10, 15, 42, 97, 103 and Glossary, 91.

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

♈ Aries, head. ARI	Mar. 21-Apr. 19
♉ Taurus, neck. TAU	Apr. 20-May 20
♊ Gemini, arms. GEM	May 21-June 20
♋ Cancer, breast. CNC	June 21-July 22
♌ Leo, heart. LEO	July 23-Aug. 22
♍ Virgo, belly. VIR	Aug. 23-Sept. 22
♎ Libra, reins. LIB	Sept. 23-Oct. 22
♏ Scorpio, secrets. SCO	Oct. 23-Nov. 21
♐ Sagittarius, thighs. SGR	Nov. 22-Dec. 21
♑ Capricornus, knees. CAP	Dec. 22-Jan. 19
♒ Aquarius, legs. AQR	Jan. 20-Feb. 18
♓ Pisces, feet. PSC	Feb. 19-Mar. 20



These signs abbreviated appear for each day pages 16-38.

Man of the Signs used by Abe Weatherwise, 1784.

1959]

JANUARY, FIRST MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	23	01	7	22 24	13	21 31	19	20 23	25	19 01					
2	22	57	8	22 16	14	21 21	20	20 10	26	18 46						
3	22	51	9	22 08	15	21 10	21	19 58	27	18 31						
4	22	45	10	22 00	16	20 59	22	19 44	28	18 16						
5	22	38	11	21 51	17	20 47	23	19 30	29	18 00						
6	22	32	12	21 41	18	20 35	24	19 16	30	17 44						

- ☾ Last Quarter, 2nd day, 5 h. 50 m., morning, W.
- New Moon, 9th day, 12 h. 34 m., morning, E.
- ☽ First Quarter, 16th day, 4 h. 26 m., evening, E.
- Full Moon, 24th day, 2 h. 32 m., evening, E.
- ☾ Last Quarter, 31st day, 2 h. 06 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



Now Winter spreads the sullen cloud
 Full fraught with fleecy snow;
 And *Boreas* roars the storm aloud,
 Through all the plains below.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Circumcision. ☾ on Eq. ⊕ in Peri. <i>Snowy</i>	<p>There were a half a dozen of us and we were in the last few hours of a week's vacation we had especially enjoyed. All of us except Jim were feeling depressed at the thought of going back to the grind again so soon. "How come, Jim," I finally asked him, "that you are as cheerful as if you were just starting off on your vacation instead of ending it? How come?"</p> <p>"Simple," said Jim, "I say to myself this is a night I have just gotten off and how darned lucky I am to get it. And I say that right to the last hour and the last minute."</p> <p>A sight better philosophy, I thought, than living each moment as if it were your last.</p> <p>And then there's the other, which really gives me a lift into the New Year. It has to do with Arthur, a three year old of whom I am very fond. As I entered his father's house, without knocking, I saw the youngster standing with his back to me at the living room door—standing very still, I thought, and not like him at all, and then I noticed his right hand clenched around his toy hammer, while his left was held stiffly in front of him, as if he would cast it from him—and blood dripped from the thumb. His face was white and puckered, but there were no tears—and he did not know I was there as he said over and over to himself, "Be brave, Arthur, be brave, Arthur, be brave."</p> <p>Well, Happy New Year—and don't forget—"Be Brave."</p>
2	Fr.	♀ Aph. in Stuffed birds the ladies style 1882 <i>contortions</i>	
3	Sa.	1st U.S. Religious Journal publ. 1816 {10.0 9.4} <i>with</i>	
4	D	2nda. Ch. ♂Ψ☾ {10.2 9.3} <i>real</i>	
5	M.	12th Take down in night Xmas greens ☾ Peri. ♂Ψ☾ {10.5 9.4}	
6	Tu.	♂Ψ☾ {10.9 9.6} <i>blizzard proportions.</i>	
7	W.	♂♂☾ ♂♂☾ Tides {11.2 9.8} <i>A</i>	
8	Th.	Dr. C. F. Brooks d. 1958 Hol. La. {11.4 10.0} <i>windy</i>	
9	Fr.	First American Balloon Ascent 1793 {11.4 10.1} <i>storm</i>	
10	Sa.	♂♀☾ ♂♂☾ Tides {11.3 11.0} <i>that's not</i>	
11	D	1st S. a. Ep. Tides {10.0 11.0} <i>warm.</i>	
12	M.	Plough M. ♀ in ♂ If sunny look for much wind {9.9 10.5}	
13	Tu.	Star In Flag for each state 1794 {9.7 10.0} <i>This wintry</i>	
14	W.	St. Hil. Coldest in year (14-25) ☾ Eq. {9.5 9.4} <i>fog'd</i>	
15	Th.	Democratic Donkey born 1870 Tides {9.2 8.8} <i>freeze</i>	
16	Fr.	Famous winter of 1816 began Tides {9.0 8.4} <i>a dog.</i>	
17	Sa.	Shanghai - N.Y. Clipper rec. 1859 ☾ in Apo. Tides {8.8 8.0} <i>Cold</i>	
18	D	2 S. a. Ep. ♂♂☾ Tides {8.7 7.8} <i>and</i>	
19	M.	Lowest W. Feb. 17 p.m. High Tide Hol. So. {8.8 7.7} <i>bold,</i>	
20	Tu.	The U.S. prayed for snow 1803 Tides {9.0 7.9} <i>then mild</i>	
21	W.	♂ runs All business high suspended 1856 Tides {9.2 8.1} <i>and</i>	
22	Th.	♀ Aph. in 1st Am. novel ☾ Aph. publ. 1789 Tides {9.5 8.4} <i>wild.</i>	
23	Fr.	Marriage Day of Joseph and Mary Tides {9.9 8.8} <i>First a</i>	
24	Sa.	"Wolf" Full Moon ♀ Gr. Hel. Lat. S. Tides {10.2 9.9}	
25	D	Sep. S. Conversion of St. Paul ♂♂☾ {10.4 9.5}	
26	M.	"Stand secure midst this falling world" 1662-3 Hol. Ark. {— 10.6}	
27	Tu.	Very cold 1839, warm 1939 ☾ {9.8 10.7} <i>good</i>	
28	W.	☾ on City of Boston disappeared 1870 {10.1 10.5} <i>thaw</i>	
29	Th.	Heavy rain Portland, Maine, 1895 {10.2 10.3} <i>then more</i>	
30	Fr.	First lifeboat launched 1790 F.D.R. Day Hol. Ky., W.Va. {10.3 9.9}	
31	Sa.	☾ in Peri. ♂Ψ☾ {10.2 9.5} <i>snow, paw.</i>	

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FEBRUARY, SECOND MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	17s. 10	7	15 23	13	13 26	19	11 22	25	9 11						
	2	16 53	8	15 04	14	13 06	20	11 00	26	8 49						
	3	16 36	9	14 45	15	12 46	21	10 39	27	8 26						
	4	16 18	10	14 26	16	12 25	22	10 17	28	8 03						
	5	16 00	11	14 06	17	12 04	23	9 55								
	6	15 42	12	13 46	18	11 43	24	9 33								

● New Moon, 7th day, 2 h. 22 m., evening, W.

☽ First Quarter, 15th day, 2 h. 20 m., evening, E.

○ Full Moon, 23rd day, 3 h. 54 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



The floods embrace their iron shores
Fast bound in icy chains;
And Winter sheds his frozen stores
O'er all the silent plains.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	Ser. S. St. Bridget 62C {10.1 East- 9.2	<p>It is a pleasant thing of a winter's evening to sit before the fire with my boyhood friend. He is a dear fellow, but shows signs of senility, I fear. Of late he is given to remembering things that never happened. Pray listen as I shall answer him.</p> <p>"Now, friend, you have told us how as a boy you got up at 4 a.m., milked five cows, did the barn chores, fed the hens, filled the wood box, walked three miles to the little red school house, opened it up (for even at the age of nine you were the janitor and got twenty-five cents a month), swept out, lit the pot-bellied stove, cleaned the blackboard, set the birch switches up in the corner, sharpened teacher's pencils, and still had half an hour to read voraciously in 'Lives of Great Americans.'</p> <p>"All this, sir, is greatly exaggerated, if not pure fiction. Maybe you did get up at 4 a.m. And what you did to make yourself miserable before you got to school was your business. But except for that month in the spring of '88 when I had the whooping cough (and you filled in), I was the janitor of that school house from the time I was seven—at ten cents an hour. And what's more I shut up that miserable institution. I alone closed the brute shutters—ten pairs of them—stood on the dunce stool to do it. Then raked out the fire, and struggled home five miles through the dark to milk my ten cows. Those, sir, are the facts."</p>
2	M.	Gr. Hog Pul. M. {10.1 9.0	
3	Tu.	rides 8 8 4 Chaplains {10.2 low 8 8 8 Day {9.0	
4	W.	L. Braille 8hC Tides {10.4 born 1809 {9.2 Ship Eugene {10.6	
5	Th.	N.Y. - Rio. - 33 days, 1812 {9.4 112 ft. wave sighted Tides {10.8 S.S. Ramapo, 1933 {9.7	
6	Fr.	22 below zero Kingston, R.I. 1934 88C {10.8 9.9	
7	Sa.	Shrove S. Stat. {10.8 in R.A. {10.0	
8	D	Three schooners {— grounded 1896 {10.6	
9	M.	Shrove on Hol. Ala. {10.0 Tuesday Eq. Fla., La. {10.3	
10	Tu.	Ash WA. Virgin Mary {9.8 Lourdes 1858 {9.8	
11	W.	Lin. B. Gr. Hel. Hol. {9.7 Lat. S. 13 states {9.4	
12	Th.	World Prayer Snowed {9.4 Day Fla. '58 {8.9	
13	Fr.	St. Val. in Apo. 88C Sup. Adm. Day {9.2 Hol. Ariz. {8.4	
14	Sa.	1st S. L. St. Louis {8.9 fd. 1764 {8.0	
15	D	Realstormy Tides {8.7 1958 {7.8	
16	M.	Modern art came Tides {8.7 to America 1913 {7.7	
17	Tu.	runs O'Brien shot Em. Fast {8.8 high put record 1956 Day & abs. {7.8	
18	W.	Auld deer Blizzard {9.1 "Worst in year" 1934 {8.2	
19	Th.	Fast {9.4 & abs. Ember {8.6	
20	Fr.	T.R.'s Gt. White Days {9.9 Fleet ret. 1909 {9.2	
21	Sa.	2nd S. L. 8 P 8 Wash {10.3 birth. {9.7	
22	D	Famous Iwo Jima Full "Snow" Drive photo 1945 Moon {10.9	
23	M.	St. Mal. Eq. closed 1956 {—	
24	Tu.	Marathon dancing Fast & {10.6 therage 1928 abs. {11.0	
25	W.	in Grand Canyon {10.8 Peri. Park est. 1919 {10.8	
26	Th.	Fast. & Tides {10.8 abs. {10.5	
27	Fr.	Indians invaded Tides {10.7 Deerfield 1704 {10.0	
28	Sa.		

"But if men knaves and fools will be
They'll be ass-ridden by all three." 1781

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MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.					
	0	/		0	/		0	/		0	/				
	1	7s.	41	7	5	23	13	3	02	19	0	40	25	1	42
	2	7	18	8	4	59	14	2	38	20	0s.	16	26	2	06
	3	6	55	9	4	36	15	2	14	21	0N.	08	27	2	39
	4	6	32	10	4	12	16	1	51	22	0	31	28	2	53
	5	6	09	11	3	49	17	1	27	23	0	55	29	3	16
	6	5	46	12	3	25	18	1	03	24	1	19	30	3	40

☾ Last Quarter, 1st day, 9 h. 54 m., evening, E.

● New Moon, 9th day, 5 h. 51 m., morning, E.

☽ First Quarter, 17th day, 10 h. 10 m., morning, E.

○ Full Moon, 24th day, 3 h. 02 m., evening, E.

☾ Last Quarter, 31st day, 6 h. 06 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉ Rises h. m.	☉ Key	☉ Sets h. m.	☉ Key	Length of Days h. m.	Sun Past m.	Full Sea, Boston. Morn h. Eve. h.	☽ Rises h. m.	☽ Key	☽ Sets h. m.	☽ Key	☽ Place	☽ Age
60	1	D	6 20	K	5 34	G	11 14	3	3½	4	—	10 ^A _M 15	E	SGR	22
61	2	M.	6 19	K	5 35	G	11 16	3	4½	5	1 ^A _M 03	11 ^A _M 06	E	SGR	23
62	3	Tu.	6 17	K	5 36	G	11 19	4	5½	6¼	2 02	12 ^P _M 02	E	CAP	24
63	4	W.	6 15	K	5 38	G	11 23	4	6½	7¼	2 55	1 01	E	CAP	25
64	5	Th.	6 14	J	5 39	H	11 25	4	7¾	8¼	3 42	2 04	F	CAP	26
65	6	Fr.	6 12	J	5 40	H	11 28	4	8¾	9¼	4 23	3 07	F	AQR	27
66	7	Sa.	6 11	J	5 41	H	11 30	5	9½	10	4 59	4 09	G	AQR	28
67	8	D	6 09	J	5 42	H	11 33	5	10½	10¾	5 31	5 10	H	PSC	29
68	9	M.	6 07	J	5 43	H	11 36	5	11	11½	6 02	6 11	I	PSC	0
69	10	Tu.	6 05	J	5 45	H	11 40	5	11¾	—	6 32	7 10	J	ARI	1
70	11	W.	6 04	J	5 46	H	11 42	6	0¼	0½	7 01	8 08	K	ARI	2
71	12	Th.	6 02	J	5 47	H	11 45	6	0¾	1¼	7 31	9 05	K	ARI	3
72	13	Fr.	6 00	J	5 48	H	11 48	6	1½	1¾	8 03	10 02	L	TAU	4
73	14	Sa.	5 59	J	5 49	H	11 50	6	2	2½	8 37	10 57	M	TAU	5
74	15	D	5 57	J	5 51	H	11 54	7	2¾	3¼	9 14	11 ^P _M 51	M	G'M	6
75	16	M.	5 55	I	5 52	I	11 57	7	3½	4	9 56	—	—	G'M	7
76	17	Tu.	5 53	I	5 53	I	11 60	7	4½	5	10 42	12 ^A _M 42	M	CNC	8
77	18	W.	5 52	I	5 54	I	12 02	8	5¼	6	11 ^A _M 34	1 30	M	CNC	9
78	19	Th.	5 50	I	5 55	I	12 05	8	6¼	7	12 ^P _M 30	2 16	M	CNC	10
79	20	Fr.	5 48	I	5 56	I	12 08	8	7¼	7¾	1 31	2 58	L	LEO	11
80	21	Sa.	5 47	I	5 57	I	12 10	8	8	8¾	2 37	3 38	K	—	—
81	22	D	5 45	I	5 59	I	12 14	9	9	9½	3 45	4 14	K	LEO	12
82	23	M.	5 43	I	6 00	I	12 17	9	9¾	10¼	4 54	4 50	J	VIR	13
83	24	Tu.	5 41	I	6 01	I	12 20	9	10½	11	6 07	5 27	I	VIR	14
84	25	W.	5 40	I	6 02	I	12 22	10	11½	11¾	7 21	6 04	H	LIB	15
85	26	Th.	5 38	I	6 03	I	12 25	10	—	0¼	8 34	6 42	G	LIB	16
86	27	Fr.	5 36	I	6 04	J	12 28	10	0½	1	9 46	7 24	F	SCO	17
87	28	Sa.	5 34	H	6 05	J	12 32	11	1½	2	10 54	8 10	E	SCO	18
88	29	D	5 53	H	6 07	J	12 34	11	2¼	2¾	11 ^P _M 56	9 01	E	SGR	19
89	30	M.	5 31	H	6 08	J	12 37	11	3¼	3¾	—	9 57	E	SGR	20
90	31	Tu.	5 29	H	6 09	J	12 40	11	4¼	4¾	12 ^A _M 51	10 ^A _M 56	E	CAP	21



HARK! the hoarse goose to Northern climes,
 Directs his tow'ring wing:
 And frogs their croaking musick join,
 To hail the welcome spring.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	3rds S. L. ♂ ♀ C. Swan {10.5 d. 1935 {9.5 Not	<p>Just after sun-up. The kind of day that will keep the sap running in our maples. Frost on the barn roofs, the great drifts down the lane hard and sparkling yet before the sun gets working on them. Herb's ahead plodding beside his two white oxen yoked together. Down in the sugar orchard we can see steam rising from the sap house.</p> <p>As we come down through the orchard the sap is already starting to drop in the buckets, some the old-time wooden ones, some the new metal ones.</p> <p>How quickly on the sunny side of the trees the sap drips—almost at the first touch of the sun—and not a drop yet in the shaded buckets. Chickadees are chickadeeing and a woodpecker tapping away somewhere in this magic wood.</p> <p>And here is the sap house, steam pouring out the open doors and dimming the sun. The air, heavy with smoke and steam, is almost a thing to be tasted—rich and sweet as the bubbling syrup within.</p> <p>Now each of us has a cup full of syrup and pours it a little at a time, piping hot, onto the snow—then scoops it up and eats it—snow and syrup, not quite soft, not quite hard—nectar and ambrosia.</p> <p>Herb has the oxen hitched to the sap sled with its big barrels. We follow after him and look for snow fleas and find them coming up through the sunny drifts. Sap time and spring are here.</p>
2	M.	Cardinal Stritch appointed Chief {10.2 Roman Catholic Missions 1958 {9.0 as	
3	Tu.	♄ rides ♀ in ♂ ♂ ♀ {9.9 rough, low {8.7	
4	W.	Submarine Skate ocean Fast & {9.8 crossing 8 days 11 hrs. 1958 abs. {8.7	
5	Th.	The Ides begin (15th) {9.8 beware of Old Colind {8.9 but rains	
6	Fr.	Detroit saw its Fast {10.0 first autos 1896 & abs. {9.3 make it	
7	Sa.	♂ in Sunday legally. Burbank {10.1 ♂ Peri. observed 321 A.D. Day - Cal. {9.6	
8	D	4th S. L. Foul Sunday tough. Fair Monday	
9	M.	♄ on Earliest formal bill {10.2 Eq. of exchange 1325 {10.0 This	
10	Tu.	♄ ♀ ♂ ♀ 1st U.S. paper {10.1 money 1862 — cold	
11	W.	Snowed 43.7 inches Fast & {10.0 New Haven 1888 abs. {9.9 is brac-	
12	Th.	St. Greg. ♀ Gr. El. U.S. Girl {9.9 E. Scouts fd. 1912 {9.6	
13	Fr.	The Bible first Fast & {9.8 printed 1462 abs. {9.3 ing while	
14	Sa.	♄ in Tides {9.7 Apo. {8.9 snows are racing.	
15	D	♄ Pas. S. Jackson D. {9.4 Hol. Tenn. {8.5 Some sun,	
16	M.	♄ ♂ ♀ Day equals {9.1 night tomorrow {8.1 honeybun.	
17	Tu.	St. Pat. ♄ Not only the moon {8.9 will ride high tonight {7.9	
18	W.	♀ Gr. Hel. ♄ Stat. Fast {8.7 Lat. N. in R.A. & abs. {7.9 We	
19	Th.	St. Jos. Swallows arr. ♄ Stat. {8.8 Capistrano in R.A. {8.1 really	
20	Fr.	Seven Fast ♄ {9.1 sorrows & abs. {8.5 fear Spring	
21	Sa.	Spring begins ♄ en-♀ ♂ ♂ ♄ {9.5 3.55 a.m. Tides {9.1 is	
22	D	♄ Palm S. ♀ in ♂ Tides {9.9 nowhere {9.7	
23	M.	Polygamy but Oysters are {10.4 abol. 1882 still spawning {10.4 near.	
24	Tu.	PURIM ♄ Part. Ecl. on Eq. Changed Full and warm	
25	W.	Lady D. Annun- Fast Hol. {11.0 ciation & abs. Md. {11.3 my	
26	Th.	Maundy in ♄ ♂ ♀ ♄ {11.1 mind, Thursday Peri. {11.4	
27	Fr.	G. Fri. ♄ ♂ Fast Holiday {11.4 & abs. 14 states {10.9	
28	Sa.	♄ ♀ ♄ Fast & abs. {11.4 to noon {10.5 sun, air,	
29	D	Easter ♄ ♂ ♄ Inf. Tides {11.1 {9.9 wind	
30	M.	♄ rides Hol. Tides {10.6 low N.C. {9.4 all are	
31	Tu.	♄ ♂ ♄ Eiffel Tower Tides {10.1 finished 1889 {9.0 kind.	

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APRIL, FOURTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	4N.26	7	6 43	13	8 57	19	11 05	25	13 06						
	2	4 49	8	7 06	14	9 19	20	11 25	26	13 25						
	3	5 12	9	7 29	15	9 40	21	11 46	27	13 45						
	4	5 35	10	7 51	16	10 01	22	12 06	28	14 04						
	5	5 58	11	8 13	17	10 23	23	12 26	29	14 23						
	6	6 21	12	8 35	18	10 44	24	12 46	30	14 41						

- New Moon, 7th day, 10 h. 29 m., evening, W.
- ▷ First Quarter, 16th day, 2 h. 32 m., morning, W.
- Full Moon, 23rd day, 12 h. 13 m., morning, W.
- ◁ Last Quarter, 29th day, 3 h. 38 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉ Rises		Key	☽ Sets		Key	Length of Days h. m.	Sun Fast m.	Full Sea, Boston.		Key	☽		Key	☽	☽	Place	Age
			h.	m.		Morn.	Eve.				h.	m.		h.	m.					
91	1	W.	5 27	H 6 10	J	12 43	12	5 $\frac{1}{4}$	6	1 $\frac{A}{M}$ 41	M	11 $\frac{A}{M}$ 57	E	CAP	22					
92	2	Th.	5 26	H 6 11	J	12 45	12	6 $\frac{1}{4}$	7	2 23	L	1 $\frac{P}{M}$ 00	F	AQR	23					
93	3	Fr.	5 24	H 6 12	J	12 48	12	7 $\frac{1}{2}$	8	3 00	L	2 02	G	AQR	24					
94	4	Sa.	5 22	H 6 13	J	12 51	12	8 $\frac{1}{2}$	9	3 33	K	3 03	H	PSC	25					
95	5	D	5 21	H 6 14	J	12 53	13	9 $\frac{1}{4}$	9 $\frac{3}{4}$	4 04	J	4 03	H	PSC	27					
96	6	M.	5 19	H 6 16	J	12 57	13	10	10 $\frac{1}{2}$	4 33	I	5 02	I	PSC	28					
97	7	Tu.	5 17	H 6 17	J	13 00	13	10 $\frac{3}{4}$	11	5 03	H	6 00	J	ARI	29					
98	8	W.	5 15	H 6 18	K	13 03	14	11 $\frac{1}{2}$	11 $\frac{3}{4}$	5 32	G	6 57	K	ARI	1					
99	9	Th.	5 14	G 6 19	K	13 05	14	—	0	6 04	G	7 54	L	TAU	2					
100	10	Fr.	5 12	G 6 20	K	13 08	14	0 $\frac{1}{4}$	0 $\frac{3}{4}$	6 36	F	8 50	L	TAU	3					
101	11	Sa.	5 10	G 6 21	K	13 11	15	1	1 $\frac{1}{4}$	7 13	E	9 45	M	G'M	4					
102	12	D	5 09	G 6 22	K	13 13	15	1 $\frac{1}{2}$	2	7 52	E	10 36	M	G'M	5					
103	13	M.	5 07	G 6 24	K	13 17	15	2 $\frac{1}{4}$	2 $\frac{3}{4}$	8 37	E	11 $\frac{P}{M}$ 25	M	G'M	6					
104	14	Tu.	5 06	G 6 25	K	13 19	15	3	3 $\frac{1}{2}$	9 26	E	—	—	CNC	7					
105	15	W.	5 04	G 6 26	K	13 22	16	3 $\frac{3}{4}$	4 $\frac{1}{2}$	10 19	E	12 $\frac{A}{M}$ 11	M	CNC	8					
106	16	Th.	5 02	G 6 27	K	13 25	16	4 $\frac{3}{4}$	5 $\frac{1}{4}$	11 $\frac{A}{M}$ 17	F	12 53	M	LEO	9					
107	17	Fr.	5 01	G 6 28	K	13 27	16	5 $\frac{3}{4}$	6 $\frac{1}{4}$	12 $\frac{P}{M}$ 18	F	1 33	L	LEO	10					
108	18	Sa.	4 59	G 6 29	K	13 30	16	6 $\frac{1}{2}$	7 $\frac{1}{4}$	1 22	G	2 09	K	VIR	11					
109	19	D	4 58	G 6 30	K	13 32	17	7 $\frac{1}{2}$	8	2 30	H	2 44	J	VIR	12					
110	20	M.	4 56	G 6 31	L	13 35	17	8 $\frac{1}{2}$	9	3 40	I	3 19	I	LIB	13					
111	21	Tu.	4 54	F 6 32	L	13 38	17	9 $\frac{1}{4}$	9 $\frac{3}{4}$	4 53	J	3 56	H	LIB	14					
112	22	W.	4 53	F 6 34	L	13 41	17	10 $\frac{1}{4}$	10 $\frac{1}{2}$	6 08	K	4 33	G	SCO	15					
113	23	Th.	4 51	F 6 35	L	13 44	17	11	11 $\frac{1}{4}$	7 22	L	5 14	F	—	—					
114	24	Fr.	4 50	F 6 36	L	13 46	18	11 $\frac{3}{4}$	—	8 35	M	5 59	F	SCO	16					
115	25	Sa.	4 48	F 6 37	L	13 49	18	0 $\frac{1}{4}$	0 $\frac{3}{4}$	9 42	M	6 49	E	SGR	17					
116	26	D	4 47	F 6 38	L	13 51	18	1	1 $\frac{3}{4}$	10 43	M	7 45	E	SGR	18					
117	27	M.	4 45	F 6 39	L	13 54	18	2	2 $\frac{1}{2}$	11 $\frac{P}{M}$ 37	M	8 46	E	CAP	19					
118	28	Tu.	4 44	F 6 40	L	13 56	18	3	3 $\frac{1}{2}$	—	—	9 49	E	CAP	20					
119	29	W.	4 43	F 6 42	L	13 59	18	4	4 $\frac{1}{2}$	12 $\frac{A}{M}$ 22	M	10 52	F	AQR	21					
120	30	Th.	4 41	F 6 43	L	14 02	19	5	5 $\frac{3}{4}$	1 $\frac{A}{M}$ 01	L	11 $\frac{A}{M}$ 55	G	AQR	22					



The earth made soft with falling flow'rs,
 Invites the plowman's share,
 And Spring with kind prolific pow'rs,
 Calls forth the lovely year.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, Etc.	Farmer's Calendar.
1	W.	All Fool's Try before Tides {9.7 you trust {8.8 Days	What shall I do with my
2	Th.	Geese flying north now Tides {9.5 {8.8 are hazy,	land? the farmer asks. In this
3	Fr.	1st U.S. Cremation Society 1874 Tides {9.4 {9.0 you'll	New England hill country
4	Sa.	Steinman The peepers {9.5 wreck 1884 are peeping {9.3 be lazy.	fifty years ago, the answer
5	D	Low S. 1st at. Rolfe married {9.6 Easter Pocahontas 1614 {9.6	would have been quite differ-
6	M.	Cain born on {9.6 Abel slain Eq. ♂♀ {9.8 Storms	ent than it is to-day. We need
7	Tu.	Annular Eclipse lows arrive N.H. {9.6 {9.9 now.	far less cleared land for hay
8	W.	Vermont refused admission to Union 1777 {9.6 {10.0 Despite	and grains and far less for
9	Th.	March into Egypt {9.5 adverse comment	grazing now. Our cows do
10	Fr.	♂ in ♀ in ♂ Stat. {10.0 Apo. in R.A. {9.3 the	most of their eating in the
11	Sa.	Mt. Wash. wind rec. (231) 1934 ♂♀ {9.9 {9.1 weather's	barn. They are like chickens
12	D	2nd S. a. E. Halifax D. {9.8 Hol. N.C. {8.8 quite	in a battery, robots of pro-
13	M.	♂ runs Jefferson Day Hol. {9.5 high Ala., Mo., Neb., Okla. {8.5 de-	duction in a limited space.
14	Tu.	♂♂ "A safer refuge our Pan-Am. {9.3 God is still" 1521 Day {8.3	Grain crops are not locally
15	W.	Abraham Lincoln Tides {9.1 died 1865 {8.2 cent.	grown and very little hay.
16	Th.	h Stat. Maple sap run {9.0 in R.A. about over {8.3 Watch	Canadian hay is common here,
17	Fr.	Sardines running ♂♂ Tides {9.0 {8.6 out below,	and more economical.
18	Sa.	Gale of [19 Hol. Me.] Tides {9.2 1851 [th Mass.] {9.1 here	So the hundred acres of hay
19	D	3rd S. a. E. Patriots' Day {9.6 {9.7 come	and pasture on this farm fifty
20	M.	♂ on Stat. ♂ in R.A. ♀ Aph. {10.0 Eq. in R.A. {10.4 rain,	years ago could well be cut to
21	Tu.	"They had not a Hol. Tex. {11.0 second shirt" 1776 San Jacinto {10.5	limited pasturage to-day and
22	W.	Arbor Day - Neb. {10.8 Okla. Day {11.5	at most a few acres for corn,
23	Th.	♂ in St. Passover Pink moon {11.0 Perl. Geo. first day in Perihelion {11.3	alfalfa, etc. In truth the farm
24	Fr.	♀ in Arbor Day {11.0 Perl. ♂♀ Day {— and snow.	could have its barn full of
25	Sa.	St. Mark, Ev. D. S. T. {11.9 begins tomorrow {10.8 Take	cows and not an acre of pas-
26	D	4th S. a. E. ♂rides ♂Gr. EL. {11.7 low ♂W. {10.4 it	ture.
27	M.	♂h♂ [26 ♂♀ Mem. Day - Ala., {11.2 [th ♂ Fla., Ga., Miss.] {10.0	Why not sheep? Before the
28	Tu.	[27 Fast day] {10.7 [th Hol. N.H.] {9.5 easy these days	turn of the century there were
29	W.	Passover Warblers in S.C. {10.1 seventh day Thrush in Ga. {9.2 are	sheep around here by the
30	Th.	Passover Canadian geese {9.6 last day in Canada {9.0 queasy.	thousands. But now it is gen-

DAYLIGHT SAVING. 9 becomes 10 PM — 25th for 26th.

What shall I do with my land? the farmer asks. In this New England hill country fifty years ago, the answer would have been quite different than it is to-day. We need far less cleared land for hay and grains and far less for grazing now. Our cows do most of their eating in the barn. They are like chickens in a battery, robots of production in a limited space. Grain crops are not locally grown and very little hay. Canadian hay is common here, and more economical.

So the hundred acres of hay and pasture on this farm fifty years ago could well be cut to limited pasturage to-day and at most a few acres for corn, alfalfa, etc. In truth the farm could have its barn full of cows and not an acre of pasture.

Why not sheep? Before the turn of the century there were sheep around here by the thousands. But now it is generally felt they cannot be raised commercially in competition with the great sheep sections of the West. But that may not be quite true, and if it isn't, and we do go back somewhat to sheep, much grazing land would be used again.

Orchards? A specialized business now, where if money is to be made it must be from thousands of trees to make economical the special equipment and storages and packing houses needed.

Our advice: put your pastures into pines — and a few balsam for the Christmas tree trade. These plantations are little care once they are in.

1959]

MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	14N.59	7	16 44	13	18 19	19	19 42	25	20 54						
2	15 17	8	17 01	14	18 34	20	19 55	26	21 05							
3	15 35	9	17 17	15	18 48	21	20 08	27	21 15							
4	15 53	10	17 33	16	19 02	22	20 20	28	21 25							
5	16 10	11	17 48	17	19 16	23	20 31	29	21 34							
6	16 27	12	18 04	18	19 29	24	20 43	30	21 43							

● New Moon, 7th day, 3 h. 11 m., evening, W.

☽ First Quarter, 15th day, 3 h. 09 m., evening, E.

○ Full Moon, 22nd day, 7 h. 56 m., morning, W.

☾ Last Quarter, 29th day, 3 h. 13 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉		☽		Length of Days	Sun Fast	Full Sea, Boston.		☽		☽		☽	☽
			Rises h. m.	Key	Sets h. m.	Key			Morn h.	Eve. h.	Rises h. m.	Key	Sets h. m.	Key		
I21	1	Fr.	4 40	F	6 44	L	14 04	19	6	6 $\frac{3}{4}$	1 ^A 37	K	12 ^P 57	G	PSC	23
I22	2	Sa.	4 38	F	6 45	L	14 07	19	7	7 $\frac{1}{2}$	2 08	J	1 57	H	PSC	24
I23	3	D	4 37	E	6 46	M	14 09	19	8	8 $\frac{1}{2}$	2 37	I	2 56	I	PSC	25
I24	4	M.	4 36	E	6 47	M	14 11	19	8 $\frac{3}{4}$	9 $\frac{1}{4}$	3 07	H	3 54	J	ARI	26
I25	5	Tu.	4 34	E	6 48	M	14 14	19	9 $\frac{1}{2}$	10	3 35	H	4 51	K	ARI	27
I26	6	W	4 33	E	6 49	M	14 16	19	10 $\frac{1}{4}$	10 $\frac{1}{2}$	4 05	G	5 48	L	TAU	29
I27	7	Th.	4 32	E	6 50	M	14 18	19	11	11 $\frac{1}{4}$	4 37	F	6 44	L	TAU	30
I28	8	Fr.	4 31	E	6 51	M	14 20	19	11 $\frac{1}{2}$	11 $\frac{3}{4}$	5 13	F	7 39	M	TAU	1
I29	9	Sa.	4 30	E	6 52	M	14 22	19	—	0 $\frac{1}{4}$	5 51	E	8 31	M	G'M	2
I30	10	D	4 28	E	6 53	M	14 25	19	0 $\frac{1}{2}$	1	6 34	E	9 22	M	G'M	3
I31	11	M.	4 27	E	6 55	M	14 28	19	1	1 $\frac{1}{2}$	7 21	E	10 08	M	CNC	4
I32	12	Tu.	4 26	E	6 56	M	14 30	19	1 $\frac{3}{4}$	2 $\frac{1}{4}$	8 13	E	10 52	M	CNC	5
I33	13	W.	4 25	E	6 57	M	14 32	19	2 $\frac{1}{2}$	3	9 08	E	11 ^P 32	L	CNC	6
I34	14	Th.	4 24	E	6 58	M	14 34	19	3 $\frac{1}{4}$	3 $\frac{3}{4}$	10 06	F	—	—	LEO	7
I35	15	Fr.	4 23	E	6 59	M	14 36	19	4	4 $\frac{3}{4}$	11 ^A 09	G	12 ^A 08	L	LEO	8
I36	16	Sa.	4 22	E	7 00	N	14 38	19	5	5 $\frac{3}{4}$	12 ^P 13	H	12 43	K	VIR	9
I37	17	D	4 21	D	7 01	N	14 40	19	6	6 $\frac{1}{2}$	1 20	I	1 17	J	VIR	10
I38	18	M.	4 20	D	7 02	N	14 42	19	7	7 $\frac{1}{2}$	2 28	J	1 50	I	LIB	11
I39	19	Tu.	4 19	D	7 03	N	14 44	19	8	8 $\frac{1}{2}$	3 41	K	2 26	H	LIB	12
I40	20	W.	4 18	D	7 04	N	14 46	19	9	9 $\frac{1}{4}$	4 55	L	3 04	G	SCO	13
I41	21	Th.	4 17	D	7 05	N	14 48	19	9 $\frac{3}{4}$	10 $\frac{1}{4}$	6 08	L	3 46	F	SCO	14
I42	22	Fr.	4 16	D	7 06	N	14 50	19	10 $\frac{3}{4}$	11	7 20	M	4 34	E	—	—
I43	23	Sa.	4 15	D	7 07	N	14 52	19	11 $\frac{1}{2}$	—	8 26	M	5 28	E	SGR	15
I44	24	D	4 15	D	7 08	N	14 53	19	0	0 $\frac{1}{2}$	9 25	M	6 27	E	SGR	16
I45	25	M.	4 14	D	7 09	N	14 55	19	0 $\frac{3}{4}$	1 $\frac{1}{2}$	10 16	M	7 31	E	CAP	17
I46	26	Tu.	4 13	D	7 10	N	14 57	19	1 $\frac{3}{4}$	2 $\frac{1}{4}$	11 00	L	8 37	E	CAP	19
I47	27	W.	4 13	D	7 10	N	14 57	19	2 $\frac{1}{2}$	3 $\frac{1}{4}$	11 ^P 37	K	9 43	F	AQR	20
I48	28	Th.	4 12	D	7 11	N	14 59	19	3 $\frac{1}{2}$	4 $\frac{1}{4}$	—	—	10 47	G	AQR	21
I49	29	Fr.	4 11	D	7 12	N	15 01	18	4 $\frac{1}{2}$	5 $\frac{1}{4}$	12 ^A 10	K	11 ^A 49	H	PSC	22
I50	30	Sa.	4 11	D	7 13	N	15 02	18	5 $\frac{1}{2}$	6 $\frac{1}{4}$	12.41	J	12 ^P 49	I	PSC	23
I51	31	D	4 10	D	7 14	N	15 04	18	6 $\frac{1}{2}$	7	1 ^A 10	I	1 ^P 48	J	ARI	24

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JUNE, SIXTH MONTH.

ASTRONOMICAL CALCULATIONS.

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

● New Moon, 6th day, 6 h. 53 m., morning, E.

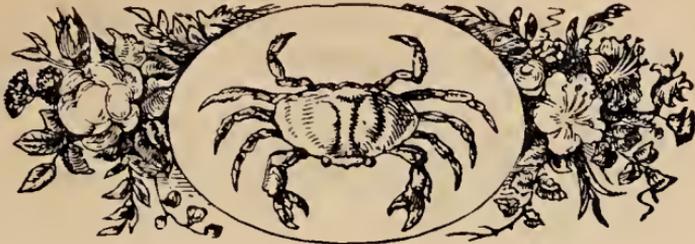
▷ First Quarter, 14th day, 12 h. 22 m., morning, W.

○ Full Moon, 20th day, 3 h. 00 m., evening, E.

◁ Last Quarter, 27th day, 5 h. 12 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉ Rises h. m.	☉ Key	☉ Sets h. m.	☉ Key	Length of Days h. m.	Sun Fast m.	Full Sea, Boston. Morn. h.	Eye. h.	☾ Rises h. m.	☾ Key	☾ Sets h. m.	☾ Key	☾ Place	☾ Age
152	1	M.	4 10	D	7 15	N	15 05	18	7½	8	1 ^A _M 39	H	2 ^P _M 45	K	ARI	25
153	2	Tu.	4 09	D	7 15	N	15 06	18	8¼	8¾	2 08	G	3 42	K	ARI	26
154	3	W.	4 09	C	7 16	O	15 07	18	9	9¼	2 40	F	4 38	L	TAU	27
155	4	Th.	4 08	C	7 17	O	15 09	18	9¾	10	3 13	F	5 34	M	TAU	28
156	5	Fr.	4 08	C	7 18	O	15 10	17	10½	10¾	3 50	E	6 28	M	G'M	29
157	6	Sa.	4 07	C	7 18	O	15 11	17	11¼	11¼	4 32	E	7 19	M	G'M	0
158	7	D	4 07	C	7 19	O	15 12	17	11¾	—	5 18	E	8 07	M	G'M	1
159	8	M.	4 07	C	7 20	O	15 13	17	0	0½	6 08	E	8 52	M	CNC	2
160	9	Tu.	4 07	C	7 20	O	15 13	17	0½	1¼	7 02	E	9 33	M	CNC	3
161	10	W.	4 06	C	7 21	O	15 15	16	1¼	1¾	8 00	F	10 10	L	LEO	4
162	11	Th.	4 06	C	7 21	O	15 15	16	2	2½	9 00	F	10 45	K	LEO	5
163	12	Fr.	4 06	C	7 22	O	15 16	16	2¾	3¼	10 03	G	11 19	J	VIR	6
164	13	Sa.	4 06	C	7 22	O	15 16	16	3¾	4¼	11 ^A _M 07	H	11 ^P _M 52	I	VIR	7
165	14	D	4 06	C	7 23	O	15 17	16	4½	5¼	12 ^P _M 14	I	—	—	LIB	8
166	15	M.	4 06	C	7 23	O	15 17	15	5½	6	1 22	J	12 ^A _M 25	H	LIB	10
167	16	Tu.	4 06	C	7 24	O	15 18	15	6½	7	2 32	K	1 00	G	SCO	11
168	17	W.	4 06	C	7 24	O	15 18	15	7½	8	3 44	L	1 39	F	SCO	12
169	18	Th.	4 06	C	7 24	O	15 18	15	8½	9	4 56	M	2 22	F	SGR	13
170	19	Fr.	4 06	C	7 25	O	15 18	15	9½	9¾	6 04	M	3 11	E	SGR	14
171	20	Sa.	4 06	C	7 25	O	15 19	14	10½	10¾	7 08	M	4 07	E	—	—
172	21	D	4 06	C	7 25	O	15 19	14	11¼	11½	8 04	M	5 09	E	CAP	15
173	22	M.	4 07	C	7 25	O	15 18	14	—	0¼	8 52	M	6 16	E	CAP	16
174	23	Tu.	4 07	C	7 25	O	15 18	14	0½	1	9 34	L	7 23	F	AQR	17
175	24	W.	4 07	C	7 26	O	15 19	14	1¼	2	10 10	K	8 30	G	AQR	18
176	25	Th.	4 08	C	7 26	O	15 18	13	2¼	2¾	10 42	J	9 35	G	PSC	19
177	26	Fr.	4 08	C	7 26	O	15 18	13	3	3¾	11 12	I	10 37	H	PSC	20
178	27	Sa.	4 08	C	7 26	O	15 18	13	4	4½	11 ^P _M 42	H	11 ^A _M 38	I	PSC	21
179	28	D	4 09	C	7 26	O	15 17	13	5	5½	—	—	12 ^P _M 37	J	ARI	22
180	29	M.	4 09	C	7 26	O	15 17	13	6	6½	12 ^A _M 11	G	1 34	K	ARI	23
181	30	Tu.	4 10	C	7 26	O	15 16	12	6¾	7¼	12 ^P _M 43	C	2 ^P _M 31	L	TAU	24



The meads their grassy burden yield
 Waiting the mower's hand,
 And future harvests o'er the field
 In waving heauty stand.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	M.	Nicomede Bowden ran 3.58.7 {8.6 mile 1957 {9.3 June	
2	Tu.	♂ ♀ ⊙ Sup. Ethelbert hap- {8.6 tised 597 A.D. {9.5 show-	
3	W.	♀ in Roquefort cheese {8.6 Peri. disc. 1070 {9.6 ers	
4	Th.	♂ in Onward Christian {8.6 Apo. Soldiers {9.8 bring	
5	Fr.	first sung {8.7 July's flowers. 1865 {9.9	
6	Sa.	♂ ♀ ☾ Earliest sunrises {8.7 now to 21st {10.0 Take	
7	D	2nda. Tr. ☾ runs {8.8 high {10.0 refuge,	
8	M.	Laurel blooms Amherst hall {— So. N.E. storm 1806 {8.8 here	
9	Tu.	Worcester tornado Tides {10.0 1953 {8.9 comes	
10	W.	♂ ♀ ☾ Tides {9.9 {9.0 a	
11	Th.	St. Barnabas ♂ ☾ Tides {9.8 {9.1 real	
12	Fr.	SHAVUOTH Worst Cape Horn Tides {9.7 weather ever 1859 {9.2	
13	Sa.	Sunspots disc. 1611 Tides {9.6 {9.5 deluge.	
14	D	4tha. ♀ Flag on Gr. Hel. {9.6 Day ☾ Eq. ♀ Lat. N. {9.8	
15	M.	Boston Peace [14 ♂ ♀ Mo., Pa.] {9.6 Jubilee 1869 [th ♂ ♀ Mo., Pa.] {10.1	
16	Tu.	Sacred ♂ ☾ [15 Pioneer] {9.6 Heart ♂ ☾ [th Day, Idaho] {10.6 In	
17	W.	Bunker ♂ in Hol. Boston {9.8 Hill Day ♂ Aph. Suffolk Co. {11.1 this	
18	Th.	♂ ☾ ☾ Hot, 1749 {10.1 {11.5 flood the	
19	Fr.	♂ in ♀ ☾ ☾ Longest fields are Peri. ♂ ♀ ☾ Days 20-23	
20	Sa.	The full "hot" moon ♂ ☾ {10.5 rides low on the horizon {12.0 all	
21	D	4tha. ☾ Father's SUM. begins Day 10.50 p.m.	
22	M.	[21 ☾ en. ☾ {10.6 [st {12.0} Tides {10.5 mud.	
23	Tu.	♀ Gr. El. ♂ ☾ ☾ {11.7 Foggy and E. {10.4	
24	W.	John the Latest sunsets {11.2 Baptist horn 24-July 1 {10.1 still	
25	Th.	"Blood thicker than ♂ ☾ ☾ {10.7 water" 1859 {9.8 quite	
26	Fr.	Dionysius disc. Tides {10.0 Solar Year 285 B.C. {9.6 soggy.	
27	Sa.	♂ on Yankees outshot the {9.4 Eq. world at Dublin 1875 {9.8 Three	
28	D	6th Sa. ♀. N.E. frosts Tides {8.9 about over {9.2	
29	M.	Peter & Marry today {8.5 Paul good luck always {9.2 cheers,	
30	Tu.	Blondin crossed Tides {8.3 Niagara 1859 {9.2 it clears.	

"Now if ever come perfect days." Green leaves hang, corn thickens, little apples swell beneath the placid June sky. This is the threshold of summer, the perfection of the year. Here is promise, and, for the farmer, a steadfast procedure of helping things grow to ultimate harvest — or the vision of it — and that, for this June day, is the reward of his toil.

While all the world of his farm is as lush and plush as a rich uncle, he labors chiefly now with the expectancy of inheritance.

But not the surety of it. Yet he is better off than his father; has better machinery. He is bombarded with excellent and timely advice of agricultural experts — when and with what to spray or dust, how to combat new pests, how he may put in water holes with the help of The Soil Bank, how to predict surpluses and shortages, where to market his inheritance and how to prepare it for market, etc. And, of course, the time-tested weather predictions of his Almanac are at his elbow.

On this perfect June day the farmer knows, however, that words of wisdom and all the assurances his fine machines and his own caution and experience give him will avail little against droughts or hail or torrents or other Acts of God. And he knows no more than the experts what prices he will reap. Like his fathers, he soaks up June, hopes for the best, and is prepared for the worst.

See you at Nantucket's 300th Anniversary this summer?

1959]

JULY, SEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.					
	0	/		0	/		0	/		0	/				
	1	23	N.08	7	22	37	13	21	52	19	20	54	25	19	43
	2	23	04	8	22	31	14	21	43	20	20	43	26	19	30
	3	22	59	9	22	24	15	21	34	21	20	32	27	19	17
	4	22	54	10	22	16	16	21	25	22	20	20	28	19	03
	5	22	49	11	22	09	17	21	15	23	20	08	29	18	49
	6	22	43	12	22	01	18	21	05	24	19	56	30	18	35

● New Moon, 5th day, 9 h. 00 m., evening, W.

☽ First Quarter, 13th day, 7 h. 01 m., morning, E.

○ Full Moon, 19th day, 10 h. 33 m., evening, E.

☾ Last Quarter, 27th day, 9 h. 22 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉ Rises h. m.	☉ Key	☉ Sets h. m.	☉ Key	Length of Days h. m.	Sun Fast m.	Full Sea, Boston. h.	☽ Rises h. m.	☽ Key	☽ Sets h. m.	☽ Key	☽ Place	☽ Age	
182	1	W.	4 10	c	7 26	o	15 16	12	7 $\frac{3}{4}$	8	H	1 ^A _M 15	H	3 ^P _M 27	L	TAU 25
183	2	Th.	4 11	c	7 25	o	15 14	12	8 $\frac{1}{2}$	8 $\frac{3}{4}$	E	4 22	M	G'M	M	G'M 26
184	3	Fr.	4 11	c	7 25	o	15 14	12	9 $\frac{1}{4}$	9 $\frac{1}{2}$	E	5 14	M	G'M	M	G'M 27
185	4	Sa.	4 12	c	7 25	o	15 13	12	10	10 $\frac{1}{4}$	E	6 04	M	G'M	M	G'M 28
186	5	D	4 12	c	7 25	o	15 13	11	10 $\frac{3}{4}$	10 $\frac{3}{4}$	E	6 50	M	CNC	M	CNC 29
187	6	M.	4 13	c	7 24	o	15 11	11	11 $\frac{1}{4}$	11 $\frac{1}{2}$	E	7 33	M	CNC	M	CNC 1
188	7	Tu.	4 14	c	7 24	o	15 10	11	—	0	E	8 13	L	LEO	L	LEO 2
189	8	W.	4 14	c	7 24	o	15 10	11	0 $\frac{1}{4}$	0 $\frac{3}{4}$	F	8 49	K	LEO	K	LEO 3
190	9	Th.	4 15	c	7 23	o	15 08	11	0 $\frac{3}{4}$	1 $\frac{1}{2}$	G	9 23	K	VIR	K	VIR 4
191	10	Fr.	4 16	c	7 23	o	15 07	11	1 $\frac{1}{2}$	2	H	9 56	J	VIR	J	VIR 5
192	11	Sa.	4 16	d	7 23	n	15 07	10	2 $\frac{1}{2}$	3	I	10 28	I	VIR	I	VIR 6
193	12	D	4 17	d	7 22	n	15 05	10	3 $\frac{1}{4}$	3 $\frac{3}{4}$	J	11 02	H	LIB	H	LIB 7
194	13	M.	4 18	d	7 21	n	15 03	10	4 $\frac{1}{4}$	4 $\frac{3}{4}$	K	11 ^P _M 37	G	LIB	K	LIB 8
195	14	Tu.	4 19	d	7 21	n	15 02	10	5	5 $\frac{1}{2}$	L	—	—	SCO	L	SCO 9
196	15	W.	4 19	d	7 20	n	15 01	10	6 $\frac{1}{4}$	6 $\frac{1}{2}$	L	12 ^A _M 17	F	SCO	L	SCO 10
197	16	Th.	4 20	d	7 20	n	15 00	10	7 $\frac{1}{4}$	7 $\frac{1}{2}$	M	1 02	E	SGR	M	SGR 11
198	17	Fr.	4 21	d	7 19	n	14 58	10	8 $\frac{1}{4}$	8 $\frac{1}{2}$	M	1 53	E	SGR	M	SGR 12
199	18	Sa.	4 22	d	7 18	n	14 56	10	9 $\frac{1}{4}$	9 $\frac{1}{2}$	M	2 52	E	CAP	M	CAP 13
200	19	D	4 23	d	7 18	n	14 55	10	10 $\frac{1}{4}$	10 $\frac{1}{2}$	M	3 55	E	CAP	M	CAP 14
201	20	M.	4 24	d	7 17	n	14 53	10	11	11 $\frac{1}{4}$	L	5 02	E	—	L	— 15
202	21	Tu.	4 25	d	7 16	n	14 51	9	—	0	K	6 09	F	AQR	K	AQR 15
203	22	W.	4 26	d	7 15	n	14 49	9	0 $\frac{1}{4}$	0 $\frac{3}{4}$	K	7 16	G	AQR	K	AQR 16
204	23	Th.	4 26	d	7 14	n	14 48	9	1	1 $\frac{1}{2}$	J	8 21	H	PSC	J	PSC 17
205	24	Fr.	4 27	d	7 13	n	14 46	9	1 $\frac{3}{4}$	2 $\frac{1}{4}$	I	9 24	I	PSC	I	PSC 18
206	25	Sa.	4 28	d	7 12	n	14 44	9	2 $\frac{1}{2}$	3	H	10 25	J	ARI	H	ARI 19
207	26	D	4 29	d	7 11	n	14 42	9	3 $\frac{1}{2}$	4	G	11 ^A _M 23	K	ARI	G	ARI 20
208	27	M.	4 30	d	7 10	n	14 40	9	4 $\frac{1}{4}$	4 $\frac{3}{4}$	F	12 ^P _M 20	K	TAU	F	TAU 21
209	28	Tu.	4 31	d	7 09	m	14 38	9	5 $\frac{1}{4}$	5 $\frac{3}{4}$	F	1 17	L	TAU	F	TAU 22
210	29	W.	4 32	e	7 08	m	14 37	9	6 $\frac{1}{4}$	6 $\frac{1}{2}$	—	—	M	TAU	—	TAU 23
211	30	Th.	4 33	e	7 07	m	14 34	9	7	7 $\frac{1}{2}$	E	3 06	M	G'M	E	G'M 24
212	31	Fr.	4 34	e	7 06	m	14 32	9	8	8 $\frac{1}{4}$	E	3 ^P _M 57	M	G'M	E	G'M 25



Now sable clouds from western skies
 In dusky billows roll,
 Swiftly the forked lightning flies,
 Loud thunders rock the pole.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	W.	Amherst 73 Williams 32 Baseball 1859	C in {8.2 Apo. {9.3
2	Th.	Visit. of Mary Alaska adm. 1958	{8.2 9.3 <i>These</i>
3	Fr.	For Sale Fourth Don't Buy a Fifth Today	{8.3 9.7 <i>days you'll</i>
4	Sa.	Ind. Day Bangor, Me. 125th Cel.	C runs {8.5 high {9.9 <i>praise.</i>
5	D	6th S. a. T.	\oplus Aph. {8.6 {10.0 <i>Thunder</i>
6	M.	Ocean Crossing Record 3 days 10H. 40 M. by S.S. United States 1952	{8.8 {10.1
7	Tu.	St. Frances Cabrini	♀ in ♂ {9.0 <i>and lightning</i>
8	W.	$\text{♂} \text{♀} \text{C}$ $\text{♂} \text{♂} \text{C}$ ♀ E.	Gr. El. {10.2 {9.2 <i>will</i>
9	Th.	$\text{♂} \text{♂} \text{C}$ $\text{♂} \text{♀} \text{C}$	Tides {10.2 {9.4 <i>be</i>
10	Fr.	Barclay walked 1000 mi. in 1000 hours 1809	{10.2 {9.6 <i>real</i>
11	Sa.	C on Eq. ♀ in ♂	{10.1 {9.8 <i>frightening.</i>
12	D	8th S. a. P.	$\text{♂} \text{♀} \text{♂}$ {9.9 {10.0 <i>Sticky</i>
13	M.	Heavy Connect-icut Rains 1897	Forrest Day {9.7 Hol. Tenn. {10.2 <i>and</i>
14	Tu.	$\text{♂} \text{♀} \text{C}$	World 24 hr. record {9.6 Rain Luzon 1911-46 in. {10.4
15	W.	St. Swithin	$\text{♂} \text{♀} \text{C}$ {9.5 {10.7 <i>icky, events</i>
16	Th.	World's First Nuclear Explosion 1945	Tides {9.6 {11.0 <i>may</i>
17	Fr.	C in Peri. ♀ in Stat. ♂ in R.A. ♀ Aph.	{9.7 {11.3 <i>be</i>
18	Sa.	C rides low	$\text{♂} \text{h} \text{C}$ Tides {10.0 {11.6 <i>tricky.</i>
19	D	8th a. T. Ibbotson Mile 3.57.2-1957	{10.2 {11.8 <i>Look</i>
20	M.	St. Marg. ♀ in R.A. Stat. Full	"Buck" Moon <i>what</i>
21	Tu.	Daniel ♀ in Aph. ♂ in Stat. ♀ in R.A.	{10.5 <i>you've</i>
22	W.	Mary M. Clipper Sweepstakes Bom-bay-NY-74 Days-1856	{11.4 {10.4
23	Th.	Tammuz The trees will grow no more this year	{11.0 {10.2 <i>bought,</i>
24	Fr.	C on Eq.	Pioneer D. {10.5 Hol. Utah {10.0
25	Sa.	St. James, Apo.	Dog Days {9.9 begin {9.7 <i>it clears</i>
26	D	10th S. a. P.	♀ Venus at great-est brilliancy {9.3 {9.4
27	M.	Seven Sleepers $\square \text{♀} \text{♂}$	Tides {8.8 {9.2 <i>off hot.</i>
28	Tu.	Stars & Stripes over Guam again 1944	Tides {8.8 {9.1 <i>More</i>
29	W.	C in Apo. $\text{♂} \text{♀} \text{♂}$	Tides {8.1 {9.0 <i>rain</i>
30	Th.	Ponies penned Assateague, Va.	Tides {8.0 {9.1 <i>that's</i>
31	Fr.	C runs high	Tides {8.0 {9.3 <i>plain.</i>

The old house was black behind us, for we had switched off the lights as we came out. Squire Brown settled down on his back stoop.

"Set, son," he invited and stuffed his pipe, scratched a match on the weather-worn steps, and went to puffing. Squire's silence was long, but he broke it finally. (It wasn't fitting for me to do so, knowing Squire.) "Look out there," he said. And I could see the black stem of his pipe pointing down the road to flickering lights. A wave of the pipe to a yellow twinkling across the little valley, then towards a chimney smoking against the moon — and friendly squares of bright windows.

"My neighbors," and he scratched another match, "and poor ones, if I want to think 'em so. But I don't — mostly. Their places and mine have shared fences and walls for four generations. Great Grandfather sold 'em the land.

"I call 'em poor neighbors when they don't help me tend what's theirs and mine — and they need a heap of urging. But not to borrow. Why, they'd have my pump handle if I'd lend it. Never lent anything. Never will.

"But, son," he added, and sighed, "maybe I'm a poor neighbor, too. They share, like to-night, their lights with me — and that's friendship in a way — comfort anyhow. Grandfather just didn't sell land, he bought neighbors. We need 'em. Let's go in and light up. Guess we're neighbors, too."

1959]

AUGUST, EIGHTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	18n.05	7	16 30	13	14 45	19	12 52	25	10 50	2	17 50	8	16 13	14	14 27	20	12 33	26	10 29	3	17 35	9	15 56	15	14 09	21	12 13	27	10 08	4	17 19	10	15 39	16	13 50	22	11 52	28	9 47	5	17 03	11	15 22	17	13 31	23	11 31	29	9 26	6	16 47	12	15 04	18	13 12	24	11 10	30

- New Moon, 4th day, 9 h. 34 m., morning, E.
- ☽ First Quarter, 11th day, 12 h. 10 m., evening, E.
- Full Moon, 18th day, 7 h. 50 m., morning, W.
- ☾ Last Quarter, 26th day, 3 h. 03 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	Rises h. m.	Key	Sets h. m.	Key	Length of Days h. m.	Sun Fast m.	Full Sea. Boston. Morn. n.	Eve n.	☽ Rises h. m.	Key	☽ Sets h. m.	Key	☽ Place	Age
213	1	Sa.	4 35	E	7 05	M	14 30	10	8 $\frac{3}{4}$	9	1 ^A _M 57	E	4 ^P _M 45	M	CNC	27
214	2	D	4 36	E	7 04	M	14 28	10	9 $\frac{1}{2}$	9 $\frac{3}{4}$	2 49	E	5 30	M	CNC	28
215	3	M.	4 37	E	7 03	M	14 26	10	10 $\frac{1}{4}$	10 $\frac{1}{2}$	3 44	E	6 11	L	CNC	29
216	4	Tu.	4 38	E	7 02	M	14 24	10	11	11	4 44	F	6 49	L	LEO	0
217	5	W.	4 39	E	7 00	M	14 21	10	11 $\frac{1}{2}$	11 $\frac{3}{4}$	5 47	G	7 25	K	LEO	1
218	6	Th.	4 40	E	6 59	M	14 19	10	—	0 $\frac{1}{4}$	6 51	H	7 59	J	VIR	2
219	7	Fr.	4 41	E	6 58	M	14 17	10	0 $\frac{1}{2}$	1	7 56	H	8 31	I	VIR	3
220	8	Sa.	4 43	E	6 57	M	14 14	10	1 $\frac{1}{4}$	1 $\frac{3}{4}$	9 04	I	9 05	H	LIB	4
221	9	D	4 44	E	6 55	M	14 11	10	2	2 $\frac{1}{2}$	10 12	J	9 40	G	LIB	5
222	10	M.	4 45	E	6 54	M	14 09	10	2 $\frac{3}{4}$	3 $\frac{1}{4}$	11 ^A _M 20	K	10 18	F	SCO	6
223	11	Tu.	4 46	F	6 52	L	14 08	11	3 $\frac{3}{4}$	4 $\frac{1}{4}$	12 ^P _M 28	L	11 00	E	SCO	7
224	12	W.	4 47	F	6 51	L	14 04	11	4 $\frac{3}{4}$	5 $\frac{1}{4}$	1 35	M	11 ^P _M 48	E	SGR	8
225	13	Th.	4 48	F	6 50	L	14 02	11	5 $\frac{3}{4}$	6 $\frac{1}{4}$	2 39	M	—	—	SGR	9
226	14	Fr.	4 49	F	6 48	L	13 59	11	7	7 $\frac{1}{4}$	3 38	M	12 ^A _M 42	E	CAP	10
227	15	Sa.	4 50	F	6 47	L	13 57	11	8	8 $\frac{1}{4}$	4 32	M	1 41	E	CAP	12
228	16	D	4 51	F	6 45	L	13 54	11	9	9 $\frac{1}{4}$	5 19	M	2 44	E	AQR	13
229	17	M.	4 52	F	6 44	L	13 52	12	10	10 $\frac{1}{4}$	6 01	L	3 50	F	AQR	14
230	18	Tu.	4 53	F	6 42	L	13 49	12	10 $\frac{3}{4}$	11	6 38	K	4 57	G	—	—
231	19	W.	4 54	F	6 41	L	13 47	12	11 $\frac{1}{2}$	11 $\frac{3}{4}$	7 11	J	6 04	G	PSC	15
232	20	Th.	4 55	F	6 39	L	13 44	12	—	0 $\frac{1}{4}$	7 42	I	7 07	H	PSC	16
233	21	Fr.	4 56	F	6 38	L	13 42	13	0 $\frac{1}{2}$	1	8 13	H	8 09	I	ARI	17
234	22	Sa.	4 57	F	6 36	L	13 39	13	1 $\frac{1}{4}$	1 $\frac{3}{4}$	8 44	G	9 10	J	ARI	18
235	23	D	4 58	F	6 35	L	13 37	13	2	2 $\frac{1}{2}$	9 16	G	10 09	K	ARI	19
236	24	M.	5 00	G	6 33	K	13 33	13	2 $\frac{3}{4}$	3 $\frac{1}{4}$	9 49	F	11 ^A _M 06	L	TAU	20
237	25	Tu.	5 01	G	6 31	K	13 30	14	3 $\frac{3}{4}$	4	10 25	E	12 ^P _M 02	L	TAU	21
238	26	W.	5 02	G	6 30	K	13 28	14	4 $\frac{1}{2}$	5	11 05	E	12 57	M	G'M	22
239	27	Th.	5 03	G	6 28	K	13 25	14	5 $\frac{1}{2}$	5 $\frac{3}{4}$	11 ^P _M 50	E	1 48	M	G'M	23
240	28	Fr.	5 04	G	6 27	K	13 23	14	6 $\frac{1}{2}$	6 $\frac{3}{4}$	—	—	2 37	M	G'M	24
241	29	Sa.	5 05	G	6 25	K	13 20	15	7 $\frac{1}{4}$	7 $\frac{1}{2}$	12 ^A _M 39	E	3 23	M	CNC	25
242	30	D	5 06	G	6 23	K	13 17	15	8 $\frac{1}{4}$	8 $\frac{1}{2}$	1 33	E	4 06	M	CNC	26
243	31	M.	5 07	G	6 22	K	13 15	15	9	9 $\frac{1}{4}$	2 ^A _M 31	F	4 ^P _M 46	L	LEO	27

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SEPTEMBER, NINTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			Days.		
	0	/		0	/		0	/		0	/		0	/	
1	8 ^N	23	7	6	11	13	3	54	19	1	36	25	0	44	
2	8	01	8	5	48	14	3	31	20	1	12	26	1	08	
3	7	39	9	5	26	15	3	08	21	0	49	27	1	31	
4	7	17	10	5	03	16	2	45	22	0	26	28	1	55	
5	6	55	11	4	40	17	2	22	23	0 ^N	02	29	2	18	
6	6	33	12	4	17	18	1	59	24	0 ^s	21	30	2	41	

● New Moon, 2nd day, 8 h. 55 m., evening, W.

☽ First Quarter, 9th day, 5 h. 07 m., evening, E.

○ Full Moon, 16th day, 7 h. 51 m., evening, E.

☾ Last Quarter, 24th day, 9 h. 22 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



Rich Autumn, with a lavish hand
Deals forth her mellow store,
The trees beneath the burden bend,
While earth lies cover'd o'er.

D.M. D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1 Tu.	♁♀☉ Inf. ♂♁♁ ♂♂♁ { 9.1 10.1	<p>This is the time to go motor- ing off to anywhere — if you can find the road. Dad used to and got himself happily lost on little byways. The whole family went along too, of course. When he felt tired, or one of us kids "had to go," he'd pull up, find a mossy bank, and fall asleep with his hat over his eyes. We kids would run around and get into hornets and briars while mother sat in the car with her sun shade up. She wasn't fond of mossy banks and motoring.</p> <p>We always came back with a sense of adventure experi- enced, though we never really got anywhere — except once. That day Dad felt he'd gone far enough, tried to turn around, and got bogged down on the wet edge of the road. As we stood around the car, there wasn't even the sound of a cow bell. Then, wonder- fully, we heard a "clap, clap, clap," and two big farm horses and a farmer hove in sight.</p> <p>He pulled the car out and asked us up to his house. Pretty soon we were on his shady, weather-beaten porch drinking milk. There was a strange, nose-itching sort of smell that mother said was from the herbs hung up to dry. There was the smell of cows, too. And the smell of ironing. When the farmer's wife brought us the cold milk, the smell seemed to come right off her apron.</p> <p>Not much of an adventure, perhaps, but it was the end of the road to anywhere. I wish I knew where it was.</p>
2 W.	♁♀♁ Cranberry Harvest begins { 9.6 10.4	
3 Th.	St. Cuthbert now forging his beads Tides { 10.1 10.7	
4 Fr.	Moses, On pat. ♁ Eq. ♂♁♁ h Stat. in R.A. { 10.5 —	
5 Sa.	Dog Days end ♂♂♀ { 10.8 10.7	
6 D	16th a. ♀ Gr. Hel. Lat. S. ♂♀♁ { 10.7 10.9	
7 M.	Labor Day ♁ in Peri. { 10.5 10.9	
8 Tu.	Nativ Mary ♂♀♁ { 10.1 10.7	
9 W.	♀ Gr. Hel. Violent Snow Adm. Day { 9.7 10.4	
10 Th.	A new disease ♁ low ♂h♁ { 9.3 10.2	
11 Fr.	Sets the stage soon to become Tides { 9.1 10.1	
12 Sa.	All the rage Def. Day Hol. Mo. Tides { 9.1 10.2	
13 D	16th a. ♂ Highest world temp. 136 deg. Azilia 1922 { 9.3 10.2 a	
14 M.	Holy Cross Day Tides { 9.7 10.5	
15 Tu.	Ember week—Sat. Tides { 10.0 10.6	
16 W.	Ember Day Cher. Strip Hol. Okla. Tides { 10.2 10.6	
17 Th.	Harvest Moon on Equator ♂♀♁ Sup. { 10.4 10.4	
18 Fr.	Ember [17 Citizenship] Days { 10.4 —	
19 Sa.	Mickey Mouse 1st. app. 1928 { 10.2 10.3	
20 D	18th a. ♀ Stat. in R.A. { 9.8 10.1	
21 M.	Matthew, Apo. Signs of Fall now appear in many places. ♁ in Apo. { 9.4 9.8 9.0 9.5	
22 Tu.	FALL begins 2.09 P.M. ♁ enters ♁ { 8.6 9.2	
23 W.	♁ runs high ♂h♁ { 8.2 8.9	
24 Th.	Am. Indian Day 1918 and 1957 { 8.0 8.8	
25 Fr.	Day and Night almost equal { 8.0 8.8	
26 Sa.	18th a. ♂ D.S.T. ends some places { 8.1 9.0	
27 D	♁♁ No more flogging U.S. Navy 1850 { 8.5 9.3	
28 M.	Michaelmas ♂♀♁ { 9.0 9.7	
29 Tu.	♁♂♂ Tides { 9.6 10.2	
30 W.		

Don't judge men or coffee by the pot they are pour'd from.

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OCTOBER, TENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	3s. 04	7	5 23	13	7 40	19	9 53	25	12 00						
2	3	28	8	5 46	14	8 02	20	10 14	26	12 21						
3	3	51	9	6 09	15	8 25	21	10 36	27	12 41						
4	4	14	10	6 32	16	8 47	22	10 57	28	13 01						
5	4	37	11	6 55	17	9 09	23	11 18	29	13 21						
6	5	00	12	7 17	18	9 31	24	11 39	30	13 41						

- New Moon, 2nd day, 7 h. 31 m., morning, E.
- ☽ First Quarter, 8th day, 11 h. 22 m., evening, W.
- Full Moon, 16th day, 10 h. 58 m., morning, W.
- ☾ Last Quarter, 24th day, 3 h. 22 m., evening, W.
- New Moon, 31st day, 5 h. 41 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉ Rises h. m.	☉ Key	☉ Sets h. m.	☉ Key	Length of Days h. m.	Sun Fast m.	Full Sea, Boston. Morn. h.	Full Sea, Boston. Eve. h.	☽ Rises h. m.	☽ Key	☽ Sets h. m.	☽ Key	☽ Place	☽ Age
274	1	Th.	5 40	J	5 27	H	11 47	26	9 $\frac{3}{4}$	10 $\frac{1}{4}$	4 $\frac{A}{M}$ 32	I	5 $\frac{P}{M}$ 02	I	VIR	29
275	2	Fr.	5 41	J	5 26	H	11 45	26	10 $\frac{1}{2}$	11	5 41	J	5 38	H	LIB	0
276	3	Sa.	5 42	J	5 24	H	11 42	27	11 $\frac{1}{4}$	11 $\frac{3}{4}$	6 52	K	6 15	G	LIB	1
277	4	D	5 43	J	5 22	H	11 39	27	—	0	8 04	L	6 57	F	SCO	2
278	5	M.	5 44	J	5 21	H	11 37	27	0 $\frac{1}{2}$	0 $\frac{3}{4}$	9 16	L	7 42	E	SCO	3
279	6	Tu.	5 45	J	5 19	H	11 34	27	1 $\frac{1}{2}$	1 $\frac{3}{4}$	10 24	M	8 33	E	SGR	4
280	7	W.	5 47	J	5 17	H	11 30	28	2 $\frac{1}{4}$	2 $\frac{3}{4}$	11 $\frac{A}{M}$ 27	M	9 29	E	SGR	5
281	8	Th.	5 48	J	5 15	H	11 28	28	3 $\frac{1}{4}$	3 $\frac{1}{2}$	12 $\frac{P}{M}$ 24	M	10 29	E	CAP	6
282	9	Fr.	5 49	J	5 14	H	11 25	28	4 $\frac{1}{4}$	4 $\frac{3}{4}$	1 14	M	11 $\frac{P}{M}$ 32	E	CAP	7
283	10	Sa.	5 50	K	5 12	G	11 22	29	5 $\frac{1}{2}$	5 $\frac{3}{4}$	1 58	L	—	—	AQR	8
284	11	D	5 51	K	5 10	G	11 19	29	6 $\frac{1}{2}$	7	2 36	L	12 $\frac{A}{M}$ 37	F	AQR	10
285	12	M.	5 52	K	5 09	G	11 17	29	7 $\frac{1}{2}$	8	3 11	K	1 41	G	PSC	11
286	13	Tu.	5 53	K	5 07	G	11 14	29	8 $\frac{1}{2}$	8 $\frac{3}{4}$	3 42	J	2 43	H	PSC	12
287	14	W.	5 55	K	5 06	G	11 11	30	9 $\frac{1}{4}$	9 $\frac{3}{4}$	4 13	I	3 45	I	PSC	13
288	15	Th.	5 56	K	5 04	G	11 08	30	10	10 $\frac{1}{2}$	4 44	H	4 46	J	ARI	14
289	16	Fr.	5 57	K	5 02	G	11 05	30	10 $\frac{3}{4}$	11	5 15	G	5 46	J	ARI	15
290	17	Sa.	5 58	K	5 01	G	11 03	30	11 $\frac{1}{4}$	11 $\frac{3}{4}$	5 47	G	6 45	K	—	—
291	18	D	5 59	K	4 59	G	11 00	30	0	—	6 21	F	7 42	L	TAU	16
292	19	M.	6 00	K	4 58	G	10 58	31	0 $\frac{1}{2}$	0 $\frac{1}{2}$	6 58	E	8 38	M	TAU	17
293	20	Tu.	6 02	K	4 56	G	10 54	31	1	1 $\frac{1}{4}$	7 39	E	9 32	M	G'M	18
294	21	W.	6 03	K	4 55	G	10 52	31	1 $\frac{3}{4}$	2	8 24	E	10 23	M	G'M	19
295	22	Th.	6 04	K	4 53	F	10 49	31	2 $\frac{1}{2}$	2 $\frac{3}{4}$	9 13	E	11 10	M	CNC	20
296	23	Fr.	6 05	L	4 52	F	10 47	31	3 $\frac{1}{4}$	3 $\frac{1}{2}$	10 05	E	11 $\frac{A}{M}$ 54	M	CNC	21
297	24	Sa.	6 06	L	4 50	F	10 44	31	4 $\frac{1}{4}$	4 $\frac{1}{2}$	11 $\frac{P}{M}$ 02	F	12 $\frac{P}{M}$ 35	M	CNC	22
298	25	D	6 08	L	4 49	F	10 41	32	5	5 $\frac{1}{4}$	—	—	1 13	L	LEO	23
299	26	M.	6 09	L	4 47	F	10 38	32	6	6 $\frac{1}{4}$	12 $\frac{A}{M}$ 01	F	1 48	K	LEO	24
300	27	Tu.	6 10	L	4 46	F	10 36	32	7	7 $\frac{1}{4}$	1 04	G	2 23	J	VIR	25
301	28	W.	6 11	L	4 44	F	10 33	32	7 $\frac{3}{4}$	8	2 09	H	2 56	I	VIR	26
302	29	Th.	6 12	L	4 43	F	10 31	32	8 $\frac{1}{2}$	9	3 17	I	3 31	H	LIB	27
303	30	Fr.	6 14	L	4 42	F	10 28	32	9 $\frac{1}{4}$	9 $\frac{3}{4}$	4 28	J	4 08	G	LIB	28
304	31	Sa.	6 15	L	4 40	F	10 25	32	10 $\frac{1}{4}$	10 $\frac{1}{2}$	5 $\frac{A}{M}$ 41	K	4 $\frac{P}{M}$ 48	F	SCO	29

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NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
	1	14s.	20	7	16 12	13	17 53	19	19 24	25
2	14	40	8	16 30	14	18 09	20	19 38	26	20 53
3	14	58	9	16 47	15	18 25	21	19 51	27	21 04
4	15	17	10	17 04	16	18 40	22	20 04	28	21 15
5	15	36	11	17 21	17	18 55	23	20 17	29	21 26
6	15	54	12	17 37	18	19 09	24	20 30	30	21 36

☾ First Quarter, 7th day, 8 h. 23 m., morning, E.

☉ Full Moon, 15th day, 4 h. 42 m., morning, W.

☾ Last Quarter, 23rd day, 8 h. 03 m., morning, W.

● New Moon, 30th day, 3 h. 46 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year.	Day of Month	Day of Week	☉ Rises h. m.	☉ Key	☉ Sets h. m.	☉ Key	Length of Days h. m.	Sun. Fast. m.	Full Sea, Boston. Morn. h. Eve. h.	☾ Rises h. m.	☾ Key	☾ Sets h. m.	☾ Key	☾ Place	☾ Age
305	1	D	6 16	L	4 39	F	10 23	32	11 11½	6 ^A _M 54	L	5 ^P _M 32	F	SCO	1
306	2	M.	6 17	L	4 38	F	10 21	32	11¾	8 06	M	6 22	E	SGR	2
307	3	Tu.	6 19	L	4 36	F	10 17	32	0¼	0½	M	7 18	E	SGR	3
308	4	W.	6 20	M	4 35	E	10 15	32	1¼	1½	M	8 19	E	CAP	4
309	5	Th.	6 21	M	4 34	E	10 13	32	2	2¼	M	9 23	E	CAP	5
310	6	Fr.	6 22	M	4 33	E	10 10	31	3	3¼	M	10 28	F	AQR	6
311	7	Sa.	6 24	M	4 32	E	10 08	32	4	4½	L	11 ^P _M 33	G	AQR	7
312	8	D	6 25	M	4 31	E	10 06	32	5	5½	K	—	—	PSC	8
313	9	M.	6 26	M	4 30	E	10 04	32	6¼	6½	J	12 ^A _M 37	G	PSC	9
314	10	Tu.	6 27	M	4 28	E	10 01	32	7¼	7½	I	1 39	H	PSC	10
315	11	W.	6 29	M	4 27	E	9 58	32	8	8½	H	2 39	I	ARI	11
316	12	Th.	6 30	M	4 26	E	9 56	32	9	9¼	H	3 39	J	ARI	12
317	13	Fr.	6 31	M	4 25	E	9 54	31	9½	10	G	4 38	K	TAU	13
318	14	Sa.	6 32	M	4 24	E	9 52	31	10¼	10¾	P	5 35	L	TAU	14
319	15	D	6 34	M	4 24	E	9 50	31	11	11¼	E	6 32	L	—	—
320	16	M.	6 35	M	4 23	E	9 48	31	11½	—	E	7 27	M	G'M	15
321	17	Tu.	6 36	M	4 22	E	9 46	31	0	0	E	8 17	M	G'M	16
322	18	W.	6 37	N	4 21	D	9 44	31	0½	0¾	E	9 07	M	G'M	17
323	19	Th.	6 39	N	4 20	D	9 42	31	1¼	1½	E	9 53	M	CNC	18
324	20	Fr.	6 40	N	4 19	D	9 39	30	2	2¼	E	10 34	M	CNC	19
325	21	Sa.	6 41	N	4 19	D	9 38	30	2¾	3	F	11 12	L	LEO	20
326	22	D	6 42	N	4 18	D	9 36	30	3½	3¾	G	11 ^A _M 48	L	LEO	21
327	23	M.	6 43	N	4 17	D	9 34	29	4½	4¾	H	12 ^P _M 22	K	VIR	22
328	24	Tu.	6 45	N	4 17	D	9 32	29	5¼	5¾	—	—	J	VIR	24
329	25	W.	6 46	N	4 16	D	9 30	29	6¼	6½	I	1 26	I	VIR	25
330	26	Th.	6 47	N	4 16	D	9 29	29	7	7½	J	2 00	H	LIB	26
331	27	Fr.	6 48	N	4 15	D	9 27	28	8	8½	K	2 37	G	LIB	27
332	28	Sa.	6 49	N	4 15	D	9 26	28	8¾	9½	L	3 19	F	SCO	28
333	29	D	6 50	N	4 14	D	9 24	28	9¾	10¼	L	4 06	F	SCO	29
334	30	M.	6 51	N	4 14	D	9 23	27	10½	11¼	M	5 ^P _M 00	E	SGR	0



The fields are sad, their verdure gone,
The lowing herds to stables fly,
By faithful nature warn'd to shun
The stormy blasts of Winter's sky

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	24th a. ♀. All Saints ♀ in ∞ Fast & Abs. {11.7	<p>This is the month when you may do nothing at all or be busy right up to the hilt. If you are of the first school, then you are content to let your machinery — your harrow, plow, manure spreader, hay rake — stand outside where you left them. You are content to see your shovels and hoes hung into a corner of the tool shed, uncleaned and gladly forgotten. You will be irked at the thought that this is the last time this year — and the best time — to be out with your axe and saw or power saw — to fill up the wood shed, to get those dead falls out of the wood's road, take care of the broken limbs and old trees out in the orchard, put glass in the empty barn windows, mend house shutters and the broken pig house door, and be at the picking up a farm needs before the snow flies.</p> <p>Bestir you, kitchen philosopher, and your pipe will be the sweeter and your digestion better come March. Ease is when you've earned it.</p> <p>That's the November lesson. Now a few November observations from Squire Brown who will remove his feet from the oven and address you: "November's cantankerous. Maybe a spell of long black freeze and dry. That's bad. Snow now on soft ground, or lots of rain, fill the wells and put your trees to bed with wet feet. Way it should be. Hard freeze now and snow all winter, floods in spring. What you get in Spring is made in November, most likely. Can't say for sure."</p>
2	M.	All Souls ♂ ♀ ♀ {11.9 [1 in Peri.	
3	Tu.	♂ Gr. Hel. ♀ Gr. El. {10.7 With a huff	
4	W.	♂ ♀ Crides Will Rogers {10.5 and low Day {11.5	
5	Th.	Fawkes Gunpowder plot {10.1 Day we han't forgot {11.0 a puff	
6	Fr.	Animals are hibernating Tides {9.7 Nature gets {10.4	
7	Sa.	♂ ♀ ♀ Tides {9.3 rough. {9.8	
8	D	24th S. a. T. Tides {9.1 Upstairs {9.4	
9	M.	St. John Lateran Church consecr. 324 A.D. Tides {9.1 it's {9.2	
10	Tu.	Descartes great discovery 1619 ♀ on Eq. {9.3 leaking, {9.1	
11	W.	Vet.'s D. ♀ Gr. El. All states exc. 4 {9.5 down- {9.1	
12	Th.	Skunks now hibernating Tides {9.7 stairs it's {9.1	
13	Fr.	Indian Summer 13th-20th ☐ ☉ ☽ {9.9 freezing. {9.1	
14	Sa.	♀ Stat. Sady Hawkins Tides {10.0 Now {9.1	
15	D	26th a. ♀. "Beaver" Full Moon {10.1 you'll {9.0	
16	M.	"Where a whale can go I can follow" 1820 Tides {10.1 get {9.0	
17	Tu.	♂ ♀ ♀ ♀ in Apo. Tides {10.0 took {8.9	
18	W.	♂ runs Boston's chimneys high toppled 1718 {8.9 by just {9.9	
19	Th.	"These dead shall not have died in vain" 1863 {8.7 about {9.7	
20	Fr.	Passport photos orig. 1914 Tides {8.6 everything {9.4	
21	Sa.	Mayflower Compact Tides {8.5 in the book. {9.2	
22	D	26th a. T. ♀ in ∞ ♂ ♂ C {8.5 {9.0	
23	M.	Hudson River froze 1798 Rep. Day Md. {8.6 Clears {8.9	
24	Tu.	♂ ♀ ☉ Inf. Tides {8.9 off for {9.0	
25	W.	Disastrous storm 1950 ♂ in ∞ ♀ on Eq. {9.3 sure {9.2	
26	Th.	Thanks. D. ♀ in Peri. ♂ ♀ C {9.8 but {9.5	
27	Fr.	♂ Stat. Beards first shaved 1357 {10.4 there'll {9.9	
28	Sa.	Wash. Irving d. 1859 ♂ ♀ C ♂ ♂ ♂ {11.1 be {10.2	
29	D	Advent S. ♂ ♀ C ♂ ♂ C {11.6 cold {10.5	
30	M.	Andrew Apo. ♂ ♀ C in Peri. {11.9 to endure. {10.7	

In thinking of yourself first, you always come off last.

1959]

DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /																																												
	1	21s. 46	7	22 35	13	23 08	19	23 24	25	23 24	2	21 55	8	22 41	14	23 12	20	23 25	26	23 22	3	22 04	9	22 47	15	23 15	21	23 26	27	23 20	4	22 12	10	22 53	16	23 18	22	23 26	28	23 18	5	22 20	11	22 59	17	23 21	23	23 26	29	23 15	6	22 28	12	23 03	18	23 23	24	23 25	30

☾ First Quarter, 6th day, 9 h. 11 m., evening, W.

☾ Full Moon, 14th day, 11 h. 49 m., evening, W.

☾ Last Quarter, 22nd day, 10 h. 28 m., evening, E.

● New Moon, 29th day, 2 h. 09 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 98-102, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of Week	☉		☾		Length of Days	Sun Past	Full Sea, Boston.		☾	☾	☾	☾		
			Rises h. m.	Key	Sets h. m.	Key			Morn h.	Eve. h.					Rises h. m.	Key
335	1	Tu.	6 53	N	4 14	D	9 21	27	11½	—	7 ^A _M 57	M	6 ^P _M 00	E	SGR	1
336	2	W.	6 54	N	4 13	D	9 19	26	0	0¼	8 58	M	7 05	E	CAP	2
337	3	Th.	6 55	N	4 13	D	9 18	26	1	1¼	9 51	M	8 13	E	CAP	3
338	4	Fr.	6 56	N	4 13	D	9 17	26	1¾	2	10 36	L	9 20	F	AQR	5
339	5	Sa	6 57	N	4 13	D	9 16	25	2¾	3	11 15	K	10 27	G	AQR	6
340	6	D	6 58	N	4 12	D	9 14	25	3¾	4	11 ^A _M 50	J	11 ^P _M 31	H	PSC	7
341	7	M.	6 59	N	4 12	D	9 14	24	4¾	5	12 ^P _M 21	J	—	—	PSC	8
342	8	Tu.	7 00	o	4 12	C	9 12	24	5¾	6	12 51	I	12 ^P _M 33	I	ARI	9
343	9	W.	7 01	o	4 12	C	9 12	24	6¾	7	1 21	H	1 33	J	ARI	10
344	10	Th.	7 02	o	4 12	C	9 10	23	7½	8	1 51	G	2 31	K	TAU	11
345	11	Fr.	7 02	o	4 12	C	9 10	23	8½	9	2 23	F	3 28	K	TAU	12
346	12	Sa.	7 03	o	4 12	C	9 08	22	9¼	9¾	2 58	F	4 25	L	TAU	13
347	13	D	7 04	o	4 13	C	9 09	22	9¾	10¼	3 35	E	5 21	M	G'M	14
348	14	M.	7 05	o	4 13	C	9 08	21	10½	11	4 17	E	6 14	M	G'M	15
349	15	Tu.	7 05	o	4 13	C	9 08	21	11	11½	5 03	E	7 05	M	—	—
350	16	W.	7 06	o	4 13	C	9 07	20	11¾	—	5 53	E	7 51	M	CNC	16
351	17	Th.	7 07	o	4 14	C	9 07	20	0¼	0¼	6 46	E	8 34	M	CNC	17
352	18	Fr.	7 08	o	4 14	C	9 06	19	0¾	1	7 43	F	9 14	L	CNC	18
353	19	Sa.	7 08	o	4 14	C	9 06	19	1½	1¾	8 41	F	9 50	L	LEO	19
354	20	D	7 09	o	4 15	C	9 06	18	2¼	2¾	9 41	G	10 24	K	LEO	20
355	21	M.	7 09	o	4 15	C	9 06	18	3	3¼	10 44	H	10 56	J	VIR	21
356	22	Tu.	7 10	o	4 16	C	9 06	17	3¾	4	11 ^P _M 47	I	11 ^A _M 28	I	VIR	22
357	23	W.	7 10	o	4 16	C	9 06	17	4¾	5	—	—	12 ^P _M 00	H	LIB	23
358	24	Th.	7 11	o	4 17	C	9 06	16	5½	6	12 ^A _M 54	J	12 34	G	LIB	24
359	25	Fr.	7 11	o	4 17	C	9 06	16	6½	7	2 02	K	1 11	G	SCO	25
360	26	Sa.	7 12	o	4 18	C	9 06	15	7½	8	3 12	L	1 53	F	SCO	26
361	27	D	7 12	o	4 18	C	9 06	15	8½	9	4 23	M	2 41	E	SGR	27
362	28	M.	7 12	o	4 19	C	9 07	14	9¼	10	5 33	M	3 37	E	SGR	28
363	29	Tu.	7 12	o	4 20	C	9 08	14	10¼	10¾	6 38	M	4 40	E	CAP	29
364	30	W.	7 13	o	4 21	C	9 08	13	11¼	11¾	7 36	M	5 48	E	CAP	1
365	31	Th.	7 13	o	4 22	C	9 09	13	—	0	8 ^M _M 26	M	6 ^P _M 58	F	AQR	2



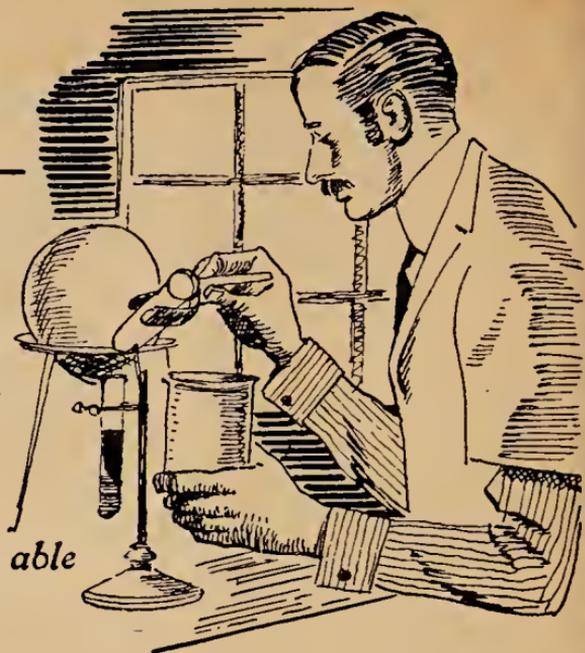
Now sharp December's wintry blasts,
From northern regions blown,
Congeal the rolling lake to glass,
And turn the earth to stone.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	rides Highest morning {12.1 All low high tide {10.7 will	<p>"What are we going to do about Christmas?" "We really can't afford Christmas this year." "Once Christmas is over we can relax."</p> <p>What is Christmas then? A commercial obligation? A huddle of custom? Do we really mean what we say? Not deeply within us, but the tired part of us does mean it. For face it. Christmas season is pressure — hectic as a bargain counter — and we are keeping it so.</p> <p>That, of course, has no more to do with a Happy Christmas than the terrible bleating of carols — that we really love — from every street corner. It has no more to do with it than the great concourse of people shuffling and buying, and the great concourse drinking the spirits, and not the spirit, of Christmas. It has no more to do with it than the giving of a gift without the joy, but only the obligation, of giving.</p> <p>It seems to us that the sanctity, and the wonder, and the joy of Christmas is understood most fully by children in the natural way it should. The beautiful story of the Christ Child, the Three Wise Men, the giving of gifts, and the children's anticipation of their own gifts share about equally.</p> <p>Our heart warms to the memory of our last Christmas eve. Two of my grandchildren were coming down the front staircase, each carrying a cosmetic jar. Tig said, "You're carrying the incense, Ned; I've got the myrrh. Don't slip now."</p>
2	W.	John Brown changed 1859 $\delta h \text{ } \text{C}$ Tides {12.0	
3	Th.	S Stat. Erie Canal {10.5 dread, in R.A. froze over 1859 {11.6	
4	Fr.	Snowed 13.1" Tides {10.2 I know, Boston 1926 {11.0	
5	Sa.	Q in $\delta \text{ } \text{C}$ Benign and {9.9 this Peri. $\delta \text{ } \text{C}$ peaceful news {10.4	
6	D	2nd S. A. S Gr. Hel. {9.6 nor'easter Lat. N. {9.7	
7	M.	Pearl Earliest sunsets Del. {9.3 Harbor 6-12th Day {9.2 with	
8	Tu.	Immac. C on Tides {9.2 snow. Conc. V.M. Eq. {8.8	
9	W.	Boston's original codfish burned up 1746 {9.2 None {8.6	
10	Th.	Within these Wyo. Tides {9.3 but northern climes Day {8.5	
11	Fr.	Come some very trying times {9.4 foolies won't {8.5	
12	Sa.	Q Gr. EL "Perfect shower {9.6 W. of {8.5	
13	D	3rd S. A. St. Lucy fire" 1833 {9.8 pull {8.6	
14	M.	C Apo. $\delta \text{ } \text{Q}$ Ember Week {9.9 on — Sat. {8.6	
15	Tu.	Full "Cold" Moon C runs {9.9 woolies. high {8.7	
16	W.	Annie Laurie born 1682 Ember Tides {9.9 Warm Day {9.9	
17	Th.	Peter robbed to pay Paul 1550 {8.7 winds with {9.9	
18	Fr.	1st Giant Panda arr U.S. 1936 Ember {8.8 mist you Days Tides {9.8	
19	Sa.	$\delta \text{ } \text{C}$ δ Days Tides {8.8 must {9.7	
20	D	4th S. A. Tides {8.9 resist. {9.5	
21	M.	Forefather's Thomas, Apo. {9.0 Christmas {9.3	
22	Tu.	Winter begins 9.35 a.m. C en- W C on {9.1 is ters {9.3 Eq. {9.2	
23	W.	First voyage of Sea Witch 1846 Tides {9.1 green, {9.1	
24	Th.	Quaker Meeting Newport, R.I. 1684 {9.6 that's clearly {9.1	
25	Fr.	Chris. Day Fast & Abs. $\delta \text{ } \text{Q}$ $\delta \text{ } \text{S}$ $\delta \text{ } \text{C}$	
26	Sa.	St. Stephen $\delta \text{ } \text{Q}$ $\delta \text{ } \text{Q}$ $\delta \text{ } \text{C}$ {10.6 [25 10.1 {9.6 [th 9.3]	
27	D	John, Ev. Q Gr. Hel. {11.1 seen. Lat. N. {9.9	
28	M.	Chllder-mas C in- $\delta \text{ } \text{C}$ $\delta \text{ } \text{C}$ $\delta \text{ } \text{C}$ $\delta \text{ } \text{C}$	
29	Tu.	rides $\delta h \text{ } \text{C}$ {11.9 [28 low {10.5 [th $\delta \text{ } \text{C}$] Temp.	
30	W.	Q in S {12.0 dives as New Year {10.6	
31	Th.	Year's earliest sunset $\delta h \text{ } \text{C}$ {11.9 arrives.	

*For sore,
aching muscles—*

An old New England Remedy

*Nobody has ever been able
to duplicate*



Before the turn of the century, a native New Englander searched for a pleasant, effective way to relieve one of man's most common ailments—the searing aches and pain that overexertion inflicts on muscles.

He discovered that a special blend of oils and tinctures rubbed upon the afflicted areas brought almost unbelievable relief.



Soon, through all New England—then across the country—men, women, and children no longer needed to fear the anguish that unaccustomed exercise exacts from legs, arms, and back muscles. For this New Englander's special formula stood ready in millions of medicine cabinets

to bring them blessed relief.

Today, Americans bound to desk or machine or shop all week, get their exercise from sports and household chores on weekends only. And muscles, after occasional weekend workouts, suffer!

But in this modern day, an old New England remedy is theirs to rely upon. And its special blend has never been duplicated by newer products.

It is the undisputed fact that this time-tested liniment has been a household stand-by, bringing its unmatched relief to millions, continuously since 1894.

This famous product is called Absorbine Jr., and if you would like to see what it can do for your own muscle aches, buy a bottle today wherever drugs are sold. W. F. Young, Inc., Springfield, Mass.

IN THE GREAT OUT OF DOORS

Shorter hours, longer vacations, and higher wages have produced the greatest mechanized recreation boom in history. And what this mechanization won't do for man really isn't worth doing. Early this Spring, long before the ice was really out of the lake in front of our camp, we sat in the sun and watched the antics of an early bird outboard motor enthusiast. He got his boat into some open water all right and then started to try out his new outboard. Crank, crank, crank . . . nothing happened. Then, without any warning, off it went, full speed, but, alas in reverse. Without too much more ado, boat, owner, and motor were roosting on top of a fair-sized ice cake no little distance from the shore.

"There is no one crazier than I am," I heard the owner say, "but it's for sure nobody likes being that way more than I do either."

Craze is the right word. The outboard boom makes clock golf look like a kerchief in a river. Why there are outboards on some lakes today so large and luxurious the lakes themselves will scarcely hold them. And in other spots on this hemisphere we have seen outboard scooters skimming ocean waters which even ocean liners might have found unpleasant. Lakes and rivers which haven't been navigated for centuries now get the one two punch of plane and power driven boat. Goodby to privacy and all that. It is gone forever. Any camp owner who doesn't enjoy a scum of gas and oil nearby his dock and a constant barricade of outboard motor throbbing noises might as well give up his cause as lost, go back to the city where he can enjoy the traffic.

But how about the hunting and the fishing? Here's the chance, especially by plane, for the boys to get back into the hinterlands where the big ones really are. And they are doing just that. As nearly we can determine, among the younger set at least, if you haven't been on at least three African safaris by now, you just aren't socially acceptable, that's all. Never mind who pays for these. It's just part of one's necessary education. Well, we've had our share of fishing and hunting too and we must say there is something to be said for this change of scene. Certain brook and lake trout we have gotten to know, we are sorry to say, have come to know us better. For whenever we are around they are sure to be somewhere else, quite often on the hook of some buzzard, in for the day from six states away, they've never heard of or seen before. Figuring this will work in reverse we have collected quite a bunch of "foreign" addresses by now in a resolve that these will mark where we will ply our hard earned trade.

Gardening is something else again. We don't have any garden anymore, but we have the most beautiful collection of garden machines in our garage you would ever want to see. There is for example the belt drive cultivator, proud possessor of a good portion of our left thumb. And the rotary grass cutter that succeeded in cutting most of our big toes down to size. We have an automatic sprayer, harrow, scythe, leaf-chewer, and three or four other contrivances we never did exactly learn what to do with. We may have forgotten just how many seeds go into a furrow or how deep to plant them, but brother what we can't tell you about a two cylinder engine just wouldn't be worth knowing. Each one looks, acts, and runs just like every other one made but somehow each one, too, preserves a personality of its own. The one on the scythe for example will start only for me and then only after three half turns with the choke full on, and three half turns with the choke half on. Another, unless the day is warm and sunny refuses to start at all.

Photography? Now there is an outdoor sport for you — for anyone. If you like machinery, gadgets, devices — and want to collect the greatest amount of useless end result — this is it. Any child perhaps knows that if the light is good, a ten dollar Brownie will produce an excellent picture. But what does 1959 demand? American, Japanese, German, and Swedish cameras, lenses, enlargers, papers, light meters, projectors, mounts, cabinets, dark rooms, and fourteen different kinds of fluids — each one bearing labels that the manufacturers disclaim any responsibility for skin or other serious diseases. Our favorite picture, alongside the guy that landed on the ice cake with his outboard motor, is one of an amateur enthusiast who showed up at a horse race so loaded down with cameras, lenses, film, and meters, that when the horses showed, he was so entangled in all the straps of his equipment he couldn't even stand up — much less

Continued on Page 45

OUTDOOR PLANTING TABLE

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

The "Moon Most Favorable" columns give the superstitious times when the phase of moon is "Right" for planting the crop indicated during 1959. See also page 15. For flowers, use same dates as Beans, except bulbs for which use the Beets column.

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 15-21	Mar 15-Apr 7	Mar 15-23	Feb 15-Mar 7
Beans (Early)	May 7-Jun 21	May 15-21	Apr 15-30	Apr 16-22	Mar 15-Apr 7	Mar 15-23
(Late)	Jun 15-Jul 15	Jun 15-19	Jun 1-21	Jun 6-19	Aug 7-30	Aug 7-17
Beets (Early)	May 1-15	May 1-6	Mar 15-Apr 30	Mar 24-Apr 6	Feb 7-29	Feb 23-28
(Late)	Jul 15-Aug 15	Jul 19-Aug 3	Jul 15-30	July 19-30	Aug 7-30	Aug 18-30
Broccoli (E)	May 15-30	May 15-21	Mar 7-30	Mar 9-23	Feb 15-Mar 15	Feb 15-22
(Late)	Jun 15-Jul 7	June 15-19	Aug 1-20	Aug 4-17	Sept 7-30	Sept 8-15
Brussels Spr. Plants	May 15-30	May 15-21	Mar 7-Apr 15	Mar 9-23	Feb 11-Mar 20	Feb 11-22
Cabbage (E)	May 15-30	May 15-21	Mar 7-Apr 15	Mar 9-23	Feb 7-Mar 20	Feb 7-22
Plants (L)	Jun 7-Aug 7	Jun 7-19	Jun 1-Jul 7	Jun 6-19	Jul 15-30	July 15-18
Carrots (E)	May 15-30	May 22-30	Mar 7-31	Mar 8, 24-31	Feb 15-Mar 7	Feb 23-Mar 7
(Late)	Jun 15-Jul 21	Jun 20-Jul 4	Apr 7-May 30	Apr 23-May 6	Aug 1-Sept 7	Aug 1-3, 18-31
Cauliflower (E)	May 15-30	May 15-21	Mar 15-Apr 7	Mar 15-23	Feb 15-Mar 7	Feb 15-22
Plants (L)	June 15-Jul 21	May 15-19	Jun 1-Jul 7	Jun 6-19	Aug 7-30	Aug 7-17
Celery (Early)	May 15-Jun 30	May 22-30	Mar 7-30	Mar 7, 24-30	Feb 15-28	Feb 23-28
(Late)	Jul 15-Aug 15	Jul 19-Aug 3	Jun 15-Jul 7	Jun 20-Jul 4	Apr 15-30	Apr 23-30
Corn, Sweet (E)	May 10-Jun 15	May 10-21	May 1-15	May 7-15	Mar 15-29	Mar 15-23
(Late)	Jun 15-30	Jun 15-19	May 7-Jun 21	May 7-21	Aug 7-30	Aug 7-17
Cucumber	May 7-Jun 20	May 7-21	Apr 7-May 15	Apr 7-22	Mar 7-Apr 15	Mar 9-23
Egg Plant Plants	Jun 1-30	Jun 6-19	Apr 7-May 15	Apr 7-22	Mar 7-Apr 15	Mar 9-23
Endive (Early)	May 15-30	May 22-30	Apr 7-May 15	Apr 23-May 6	Feb 15-Mar 20	Feb 23-Mar 8
(Late)	Jun 7-30	Jun 20-30	Jul 15-Aug 15	Jul 19-Aug 3	Aug 15-Sept 7	Aug 18-Sept 1
Kale (Early)	May 15-30	May 15-21	Mar 15-Apr 7	Mar 15-23	Feb 15-Mar 7	Feb 15-22
(Late)	Jul 1-Aug 7	Jul 5-18	Jul 15-31	Jul 15-18	Sept 7-30	Sept 7-15
Leek Plants	May 15-30	May 22-30	Mar 7-Apr 7	Mar 8, 24-Apr 6	Feb 15-Mar 15	Feb 23-Mar 8
Lettuce	May 15-Jun 30	May 15-21	Mar 1-31	Mar 9-23	Feb 15-Mar 7	Feb 15-22
Melon (Musk)	May 15-Jun 30	May 15-21	Apr 15-May 7	Apr 15-22	Mar 15-Apr 7	Mar 15-23
Onion Plants	May 15-Jun 7	May 22-30	Mar 1-31	Mar 1-8	Feb 1-28	Feb 1-6
Parsley	May 15-30	May 15-21	Mar 1-31	Mar 9-23	Feb 20-Mar 15	Feb 20-22
Parsnip	Apr 1-30	Apr 1-6	Mar 7-31	Mar 7, 8, 24-31	Jan 15-Feb 4	Jan 24-Feb 4
Peas (Early)	Apr 15-May 7	Apr 15-22	Mar 7-31	Mar 9-23	Jan 15-Feb 7	Jan 16-23
(Late)	Aug 15-30	Aug 15-17	Jul 7-31	Aug 15-17	Aug 15-30	Sept 7-15
Pepper Plants	May 15-Jun 30	May 15-22	Apr 1-31	Apr 7-22	Apr 1-20	Mar 9-23
Pumpkin	May 15-30	May 15-22	Apr 23-May 15	May 7-15	Apr 7-20	Apr 7-20
Potatoes	May 1-15	May 1-6	Apr 1-15	Apr 1-6	Feb 10-Mar 1	Feb 23-Mar 1
Radish (Early)	Apr 15-30	Apr 23-30	Mar 7-31	Mar 7, 8, 24-31	Jan 21-Mar 1	Jan 24-Feb 6
(Late)	Aug 15-30	Aug. 18-30	Aug 7-31	Sept 16-30	Sept 1-21	Oct 16-30
Spinach (E)	May 15-30	May 15-21	Mar 15-Apr 20	Mar 15-23	Feb 7-Mar 15	Feb 7-22
(Late)	Jul 15-Sept 7	Jul 15-18	Aug 1-Sept 15	Aug 4-17	Sept 1-21	Sept 2-15
Swiss Chard	May 1-30	May 7-21	Mar 15-Apr 15	Mar 15-23	Feb 7-Mar 15	Feb 7-22
Summer Squ	May 15-Jun 15	May 7-21	Apr 15-May 15	Apr 15-22	Mar 15-Apr 15	Mar 15-23
Tomato Plants	May 15-30	May 7-21	Apr 7-30	Apr 7-22	Mar 7-20	Mar 7, 8
Turnip (Early)	Apr 7-30	Apr 23-30	Mar 15-30	Mar 24-30	Jan 20-Feb 15	Jan 24-Feb 6
(Late)	Jul 1-Aug 15	Jul 1-4	Aug 1-20	Aug 1-3	Sept 1-Oct 15	Sept 16-Oct 1
Wheat (Wint.)	Sep. 11-15	Sep 11-15	Sept 15-Oct 20	Sept 15	Oct 15-Dec 7	Oct 15
(Spring)	Apr 7-30	Apr 7-22	Apr 1-20	Apr 7-20	Mar 15-31	Mar 15-23

KILLING FROSTS and GROWING SEASONS

Courtesy of U. S. Weather Bureau

City	G.S. (Days)	Last Frost Spring	First Frost Fall	City	G.S. (Days)	Last Frost Spring	First Frost Fall
Lander, Wyo. . .	123	May 18	Sept. 18	Boston, Mass. . .	195	Apr. 14	Oct. 26
Bismarck, N.D. . .	133	May 11	Sept. 21	Wichita, Kans. . .	197	Apr. 9	Oct. 23
Alpena, Mich. . .	141	May 13	Oct. 1	Cincinnati, Ohio . .	198	Apr. 8	Oct. 23
Helena, Mont. . .	145	May 7	Sept. 29	Lewiston, Ida. . .	201	Apr. 6	Oct. 24
Reno, Nev.	145	May 14	Oct. 6	Harrisburg, Pa. . .	202	Apr. 9	Oct. 28
Marquette, Mich.	149	May 13	Oct. 9	Evansville, Ind. . .	207	Apr. 5	Oct. 29
Concord, N.H. . .	149	May 7	Oct. 3	Cairo, Ill.	212	Mar. 31	Oct. 29
Duluth, Minn. . .	152	May 6	Oct. 5	Richmond, Va. . . .	216	Mar. 31	Nov. 2
Green Bay, Wis.	157	May 5	Oct. 9	Roseburg, Ore. . . .	217	Apr. 8	Nov. 11
Pocatello, Ida. . .	160	Apr. 29	Oct. 6	Oklahoma City . . .	218	Mar. 30	Nov. 3
Denver, Colo. . . .	160	May 3	Oct. 10	Chattanooga	220	Mar. 29	Nov. 4
Pierre, S. Dak. . .	160	Apr. 30	Oct. 7	Raleigh, N.C.	223	Mar. 27	Nov. 5
Minneapolis	166	Apr. 27	Oct. 10	Little Rock, Ark. . .	241	Mar. 18	Nov. 14
Detroit, Mich. . . .	170	Apr. 28	Oct. 15	El Paso, Tex.	242	Mar. 19	Nov. 16
Des Moines, Ia. . .	171	Apr. 21	Oct. 9	Tucson, Ariz.	243	Mar. 11	Nov. 9
Fort Wayne, Ind.	171	Apr. 25	Oct. 13	Macon, Ga.	245	Mar. 14	Nov. 14
Ludington, Mich.	172	May 2	Oct. 21	Columbia, S.C. . . .	246	Mar. 17	Nov. 18
Albany, N.Y.	174	Apr. 24	Oct. 15	Montgomery, Ala. . .	250	Mar. 8	Nov. 13
Madison, Wis. . . .	174	Apr. 26	Oct. 17	Shreveport, La. . . .	251	Mar. 6	Nov. 12
Santa Fe, N.M. . . .	177	Apr. 25	Oct. 19	Portland, Ore.	251	Mar. 15	Nov. 21
Hartford, Conn. . .	177	Apr. 20	Oct. 13	San Bernardino . . .	259	Mar. 8	Nov. 22
Toledo, Ohio	179	Apr. 22	Oct. 18	Eureka, Calif.	277	Mar. 16	Dec. 18
Portland, Maine . .	181	Apr. 19	Oct. 17	Del Rio, Tex.	277	Feb. 23	Nov. 27
Spokane, Wash. . .	182	Apr. 14	Oct. 13	Sacramento	283	Feb. 19	Nov. 29
Parkersburg	184	Apr. 17	Oct. 18	Phoenix, Ariz.	296	Feb. 10	Dec. 3
Omaha, Nebr.	184	Apr. 14	Oct. 15	Yuma, Ariz.	334	Jan. 20	Dec. 20
Salt Lake City . . .	185	Apr. 18	Oct. 20	San Francisco	350	Jan. 13	Dec. 29
Chicago, Ill.	186	Apr. 16	Oct. 19	Los Angeles	*	*	*
St. Joseph, Mo. . .	191	Apr. 9	Oct. 17	Miami, Fla.	*	*	*
Trenton, N.J. . . .	191	Apr. 16	Oct. 24	San Diego	*	*	*
Springfield, Mo. . .	193	Apr. 12	Oct. 22				

*Frosts do not occur every year.



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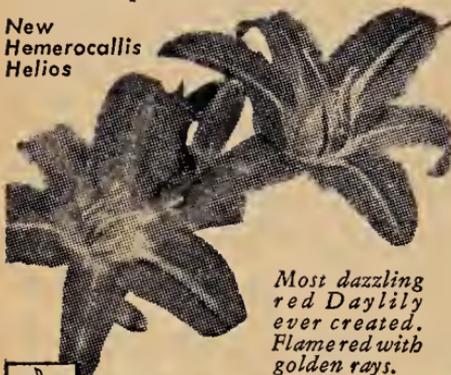
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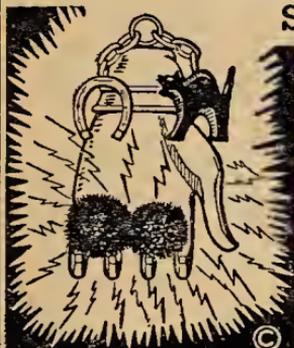
IN THE GREAT OUT OF DOORS

(Continued from Page 41)

take a picture. But there is nothing quite like this hobby, excepting bridge, which more quickly reveals just who is the family boss. Bidding three no trump and going down two, consistently, never encouraged the tirades that a series of under or over exposed prints is sure to create.

Actually, however, nothing of this outdoor craze (no matter in which direction it runs) could exist without mail order. It is a four way process. You read the ad. You send for the catalog. You get and admire and try out the article. Then you discard it. This makes for Christmas every day — the only difference being that Christmas has an end. The outdoor craze has none. Tents, charcoal broilers, radar lamps, fish scales, swimming pools, reels, saws, boats, mowers, sprayers, cameras, houses, shrubs, seeds, remedies, flags, balloons, butterflies. What man is there today who can resist the skilled advertising words which build up in his mind these pictures of outdoor success? Seeing these things in a store may leave you cold but that sketch on the printed page will land you in hip boots, with a hundred dollars worth of equipment hanging over your shoulder quicker than a jack rabbit can take off. And even fifteen years after the war, "Army Surplus" if we may believe the ads, is only in its infancy. Wait till Papa brings home the Pentagon and four square miles of housing!

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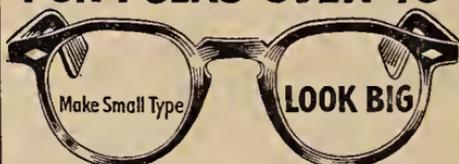


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OUR MAN IN THE MOON

It is with only the great and good luck for which this Almanac is famous that we are able at this time to report a stupendous news beat — the FIRST REPORT FROM THE FIRST HUMAN BEING EVER TO LAND ON THE MOON. Following his report of a landing a few years ago (see *Yankee Magazine*, May 1954) of a flying saucer on Mt. Monadnock in Southern New Hampshire, our reporter, J. Seneca Smelk, decided — being of an inquisitive nature — to take a trip to the other side of the world (near Burma). While there he pursued a tip that several saucers would be landing on one of the mountains near there in the interior and, consequently, by elephant team, proceeded to the spot.

As luck would have it, however, he was unknowingly trespassing on Soviet territory during part of this trip — captured — and carried to Moscow where he was immediately seized upon as the victim which the Soviet's first rocket to the moon would carry. Still and all, as we knew it would, his loyalty remained with America — and particularly with his former employer, this publication. He has remitted no details of his experience in flight (no doubt drugged by the Soviets during it), but he does state that this message, sent to us by him from the moon, will have arrived at the atmospheric rim by saucer express — and from there on in by special devices, including a magnetic beam to the copper weathervane on our building — to which we found it hanging on the morning of August first, last.

"Dear Mr. Thomas —

"You may be surprised to hear from me at my present location on the moon. I am sitting on a beach of brilliant white sand girt with green marble rocks and forest of yews and firs. The sea, as deep a blue as ours, breaks upon crystal white boulders, ere it charges upon these shores. A green plain behind me reaches to a chain of lofty obelisk-shaped slender pyramids some forty miles in length made of wine-colored amethyst and appearing in this light as the colors of lilacs. Each pyramid is about 75 feet high.

"All is barren between these obelisks but beyond them is a mountainous region with huge oaks decked with yellow flowers. Here abound many cascades vividly reminding me of Byron's 'tail of the white horse in the Revelations.'

"In the plain between me and the obelisks a herd of brown quadrupeds — like our bison — is grazing. These animals have a peculiar hairy veil which, stretching between their ears, acts as a shade against the great extremes of light and darkness here. Down the beach a bit are two blue monsters — something like antelopes with a single horn on each head which supports a similar eye shade in the form of a small umbrella.

"Since my arrival I have counted no less than 38 species of forest trees, nine species of mammalia, and five ovidaria. One of the mammals is a small beaver which walks on two feet and carries its young in its arms. One of the birds resembles our stork. For food, of course, there is an abundance of delicious palm melons everywhere, a variety of shellfish, and waist-high shrubs. These have branches from which are suspended small balloons of various colors. These contain various different drinks easily obtained by squeezing the balloons. Truthfully, however, as no advertising is carried on here, these drinks all taste the same.

"Of course, I am now free of the Soviets. The rocket which landed me here has disintegrated and I am naturally concerned about my Robinson Crusoe existence. The 'people' average about four feet in height, wear no clothes but are fully covered, except for their faces, with short, copper-colored hair. They are born with sets of wings which fold between the tops of their shoulders and their knees. They talk with their hands even more eloquently than do we, and some of their amusements appear to be far removed from any terrestrial sense of decorum. Strangely enough, they pay but little attention to me (no more than I would on earth have given to a deer or fox). I imagine they believe I am just one of the many wild animals up here. However, I am gradually picking up some of their words, and as time goes on hope to establish a more friendly relationship. It may be I even will settle down and raise a family.

"There are, of course, many other observations of interest here — a flaming mountain which apparently furnishes heat and hot water



**What kind of diet
are you on?**

(just about everybody is!)



Infant diet?



There used to be a bugaboo that bananas were indigestible. Now doctors prescribe ripe bananas as one of baby's first solid foods — because they are so easily digested.

3 TO 4 MONTHS OLD?

Time for "His Nibs" to sample a "solid" . . . so MASHA-BANANA (a fully ripe one) and start each feeding with one teaspoonful. Enlarge portions gradually as baby's appetite increases.

6 MONTHS TO 1 YEAR?

Some babies this old — and yours may be one of them — eat HALF-A-BANANA a day! It's still fully ripe, still mashed — but sometimes varied in one of these ways:

- 1 to 2 tablespoons with cereal
- 1 to 2 tablespoons over custard
- 1 to 2 tablespoons mixed with other fruits

PAST THE BIG FIRST BIRTHDAY?

Slice a whole banana . . . and serve it with milk and sugar — any time hunger strikes! Bananas are good to grow on — full of health-building vitamins and minerals . . . plus wholesome natural fruit sugars for energy.

Geriatric diet?



Bananas are easy to fix, easy to chew — perfect for older folks. And they help sustain youthful vitality with a well-balanced supply of vitamins and minerals.

Breakfast idea . . . **BANANA FRENCH TOAST**

3 eggs, slightly beaten	1 cup milk
$\frac{1}{4}$ tsp. ground nutmeg	$1\frac{1}{2}$ tsp. sugar
8 slices white bread	4 tbsp. butter
4 ripe bananas, sliced	Maple sirup

Combine eggs, milk, sugar and nutmeg. Dip each bread slice quickly in and out of mixture. Skillet-fry in butter, turning once. Serve topped with bananas and sirup. (4 servings)

Lunch idea . . . **BANANA COTTAGE CHEESE SALAD**

Center $\frac{1}{2}$ cup skim milk cottage cheese on lettuce. Circle with 2 stewed prunes, 2 stewed apricots and 1 ripe banana, sliced. (1 serving)

Dinner idea . . . **BANANA MEAT LOAF**

1 lb. ground beef	1 tbsp. salt
1 tbsp. chopped onion	$\frac{1}{4}$ tsp. pepper
1 cup soft bread crumbs	$\frac{1}{2}$ tsp. dry mustard
$\frac{3}{4}$ cup mashed ripe bananas	

Combine meat, onion, salt, pepper and bread crumbs. Add mustard to bananas. Stir into meat mixture. Form into loaf, and bake in loaf pan, $8\frac{1}{2}$ x $4\frac{1}{2}$ x 3", at 350° F. for about 1 hour. (4 servings)

Weight-losing diet?

Maybe you have heard the bugaboo that bananas are fattening. What are the facts? The U. S. Department of Agriculture states that a medium banana has only 88 calories. And bananas help you stick to a diet because they're so satisfying.



Luncheon idea . . . 203 calories per serving

BANANA-COTTAGE CHEESE SALAD

1 ripe medium banana

2 lettuce leaves

$\frac{1}{2}$ cup skim-milk cottage cheese

1 radish

Paprika

Slice banana lengthwise onto lettuce. Add cottage cheese. Garnish with radish rose, paprika. Use low-calorie mayonnaise, if desired. (1 serving)



96 calories
per serving

Dessert idea . . .

PIQUANT PARFAIT

- 1 egg, separated
- 2 tbsp. lemon juice
- Grated rind of 1 lemon
- $\frac{1}{4}$ cup sugar
- $\frac{1}{2}$ tsp. ground mace
- 2 ripe medium bananas
- 3 cups whipped topping made from non-fat milk solids (see package directions)

Beat egg yolk, lemon juice and rind together. Mix in half of sugar. Cook over low heat till thick (3 to 4 min.), stirring constantly. Add mace. Cool. Beat egg white to soft peaks; add remaining sugar; beat to stiff peaks. Fold egg white, then whipped topping into cooled mixture. Fill dessert glasses with alternate layers of mixture and sliced bananas. Garnish with banana slices and dash of mace. Chill, serve same day. (8 servings)



Dinner idea . . . 192 calories per serving

TROPICAL PLATE

- | | |
|------------------------------|---|
| 2 ripe bananas, diced | $\frac{1}{2}$ cup diced canned pineapple, drained |
| 1 tbsp. prepared mustard | $\frac{1}{2}$ cup diced celery |
| 2 tbsp. chopped sweet pickle | 1 tbsp. low-calorie mayonnaise |
| 1 cup canned salmon, flaked | |

Combine ingredients. Chill. Serve on lettuce leaves. (4 servings)



Low-fat diet?



Bananas contain almost no fat at all—less than 2/10 of 1%. They fit right into your diet plan—and add so much to your good nutrition... your eating pleasure, too.

Breakfast idea . . . **BANANA MAPLE TOAST**

(Total fat content per serving—0.9 gm.)

1 slice bread

1 tsp. maple sirup

1 ripe banana

¼ tsp. ground cinnamon

Toast bread (white or whole wheat). Slice banana over it, cover with maple sirup and sprinkle with cinnamon. (1 serving)

Lunch idea . . . **BANANA GELATIN SALAD**

(Total fat content per serving—0.4 gm.)

1 pkg. fruit-flavored gelatin

2 ripe bananas, sliced

Prepare gelatin as directed. Chill till slightly thickened. Gently fold in freshly sliced bananas. Chill till firm. (4 servings)

Party idea . . . **JAMAICAN TIDBITS**

(Total fat content per piece—2.2 gm.)

4 bananas

½ cup honey

1 cup gingersnaps, finely crushed

Peel bananas and cut each banana into 5 pieces, crosswise. Cover each with honey. Roll in crushed gingersnap crumbs.

Low-cholesterol diet?



There's no cholesterol at all in bananas. So if your doctor suggests cutting down your daily cholesterol intake, bananas a-plenty are perfectly safe — and they're ever so satisfying.

Breakfast idea . . . **BANANA CINNAMON TOAST**

(Total cholesterol content negligible)

1 banana, sliced	1 tsp. sugar
¼ tsp. cinnamon	1 tsp. vegetable margarine
1 slice white or whole-wheat bread (bakery yeast loaf)	

Toast bread and spread with margarine. Cover with banana slices and sprinkle with sugar and cinnamon. (1 serving)

Dinner idea . . . **BAKED BANANA**

(Total cholesterol content per serving—0)

1 ripe banana	1 tbsp. lemon juice
---------------	---------------------

Peel banana. Brush with lemon juice. Bake at 425° F. for 8-10 min. Serve hot as a vegetable or as a dessert with hot orange sauce.* (1 serving)

* **ORANGE SAUCE**

(Total cholesterol content per serving—0)

3 tbsp. sugar	dash of cinnamon	1 cup orange juice
1 tbsp. cornstarch	dash of salt	1 tsp. lemon juice
1 tsp. orange rind		

Mix together sugar, cornstarch, cinnamon and salt in saucepan. Add orange juice, lemon juice and orange rind. Bring to boil. Cook about 5 min., or until thickened, stirring constantly. Makes about 1 cup.

Low-sodium diet!

Bananas are a blessing for people on low-sodium diets. Their natural flavor needs no embellishment—and you can enjoy all you want. A medium banana has well under 0.5 mg. of sodium.



FRUIT SALAD (Sodium content per serving — 7.33 mg.)

1 ripe medium banana

2 lettuce leaves

½ cup orange sections

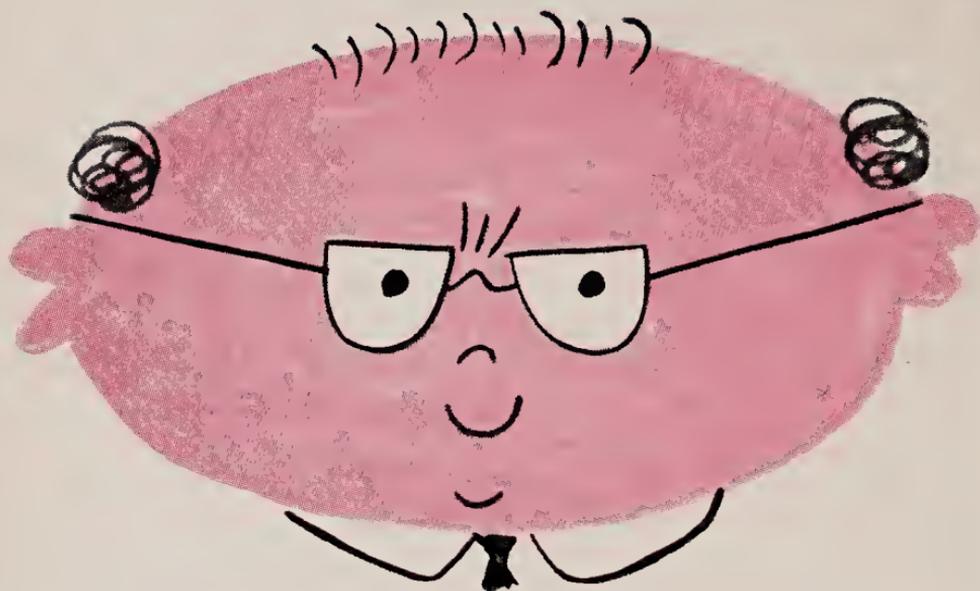
½ cup grapefruit sections

2 tbsp. low-sodium mayonnaise

Peel banana and slice crosswise into ½-inch rounds. Combine banana slices with orange and grapefruit sections on lettuce leaves. Serve with low-sodium dressing. (1 serving)



Bland diet?



Bananas are more than just "digestible." Because of bland texture and unique composition, they actually *aid* digestion. So havabanana on days you feel a little off your stride.

Lunch idea . . . **BANANA BREAD**

1 $\frac{3}{4}$ cups sifted all-purpose flour
2 $\frac{3}{4}$ tsp. double-action baking powder
 $\frac{1}{2}$ tsp. salt $\frac{1}{3}$ cup shortening
 $\frac{2}{3}$ cup sugar 2 slightly beaten eggs
1 cup mashed ripe bananas (3 to 4)

Sift together flour, baking powder, salt.

Place shortening in mixing bowl and beat till creamy (300 strokes by hand or 2 min. at medium speed on mixer). Gradually add sugar to shortening, beating until light and fluffy after each addition. Add eggs and beat till thick and pale lemon in color.

Add flour mixture and bananas alternately, blending thoroughly.

Grease bottom of loaf pan, 4 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 3". Pour in batter. Bake 60 to 70 min. at 350° F. Let cool partially in pan. (20-30 min.) Cool thoroughly on rack before wrapping.

Dessert idea . . . **BANANA RUSSE**

Prepare any packaged pudding according to directions. Cool. Place 3 to 4 ladyfingers around edge of sherbet glass. Fill glass with alternate layers of ripe banana slices and pudding.

Convalescent diet?



Ripe bananas are smooth, mild, gentle . . . and supply essential nutrients. Sliced with milk, they provide vitamins and minerals which coddle convalescents right back to good health.

Dinner idea . . . **BAKED CHICKEN** with **Banana Dressing**

6-lb. roasting chicken	1 ½ cups diced, ripe bananas
¼ cup finely chopped onions	¾ tsp. salt
¼ tsp. poultry seasoning	2 ¼ cups soft bread crumbs, firmly packed
	½ cup melted butter or margarine

Stuffing: mix onion, bread crumbs, salt, poultry seasoning, diced bananas. Add butter or margarine. Mix thoroughly. Stuff and roast chicken 3 ½ to 4 hours at 350° F.

Dessert idea . . . **BANANA PUDDING**

1 cup non-fat dry milk solids	¼ tsp. salt
2 cups skim milk	¼ cup sugar
3 tbsp. cornstarch	1 tsp. lemon juice
2 fully ripe bananas	

Scald 1 ½ cups skim milk. Mix dry ingredients. Slowly stir in ½ cup cold skim milk, then scalded milk. Cook, stirring until smooth and thickened. Cool; add lemon juice. Chill till serving time; add sliced bananas. (4 servings)

Got-no-troubles diet?

Bananas are one of the best-tasting foods you can eat any day! Such a happy way to build good nutrition into your daily diet. So help yourself. Havabanana today!



BANANA CREAM PIE

1 pkg. prepared vanilla pudding
1 baked 8" pie shell
3 ripe bananas

Prepare pudding as directed on package, then cool. Cover bottom of pie shell with small amount of cooled filling. Peel bananas and slice into pie shell. Cover with remaining filling. Top with sweetened whipped cream and slices of banana. (8 servings)





BANANA AND SHRIMP CURRY

1 banana	3 oz. cleaned canned shrimp
1 ½ tsp. butter	¾ cup cooked white rice

Peel banana. Place in baking dish. Brush well with butter or margarine. Pour half the Curry Sauce* over banana. Bake in moderate oven (375° F.) 15-18 min., until banana is tender. Heat shrimp in remaining Curry Sauce and serve with the banana on a bed of hot rice.

*Easy Curry Sauce. Combine 1 can condensed cream of chicken soup with ½ cup milk and ½ tsp. curry powder (or more). Heat.

BANANA KEBOB

1 banana	3 oz. hamburger meat	½ sweet green pepper
3 strips bacon	½ sweet red pepper	

Cut banana crosswise into three pieces. Form meat into three balls; wrap each in a strip of bacon. Cut peppers into bite-size pieces. Thread on skewer. Broil or grill, turning several times until done.

Liquid diet?



Be sure to try a banana shake on the days your doctor advises liquids. Just mash banana with a fork, shake with cold milk — and pour yourself an almost perfectly balanced ration.

BANANA FRUIT SHAKE

Peel 1 ripe banana. Mash well with a fork. Add 1 cup fruit juice. Shake until smooth and creamy. (1 serving)

Use: fresh orange juice or apple juice or
canned pineapple juice or cranberry juice

GINGER-ALE FRUIT SHAKE

Peel 1 ripe banana. Mash well with fork. Add $\frac{1}{2}$ cup orange juice. Shake until smooth and creamy. Mix with 1 cup ginger ale. (1 serving)

BANANA MILK SHAKES

1 fully ripe banana

1 cup cold milk

Peel banana. Mash well with fork. Add milk and beat or shake until smooth and creamy. Serve immediately. (1 serving)

Variations:

Choconana Milk Shake: follow above recipe, adding 1 tbsp. chocolate sirup.

Frosted Banana Milk Shake: follow above recipe, adding 3 tbsp. vanilla ice cream.

Banana Orange Milk Shake: to mashed banana, add $\frac{1}{2}$ cup milk, $\frac{1}{2}$ cup orange juice, $\frac{1}{2}$ tsp. sugar. Beat and serve.

Growing-up diet?



Bananas satisfy hunger — and “hidden hunger,” too. They provide vitamins and minerals to help kids grow strong and healthy, plus wholesome fruit sugars for quick energy.

OUT OF HAND

Bananas are naturally wrapped for eating out of hand. You can take them along on a picnic . . . eat them while watching TV. Bananas make good, easy eating any time you're hungry. So keep a bowlful ready—where hungry kids (and grownups, too) can help themselves to a snack that's wholesome.

BANANA OATMEAL COOKIES

1½ cups sifted flour	¼ tsp. nutmeg	1 cup mashed ripe banana
1 cup sugar	¾ tsp. cinnamon	½ cup chopped nuts
½ tsp. baking soda	¾ cup shortening	1¾ cups rolled quick oats
1 tsp. salt	1 egg, well beaten	

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

BANANA SPLIT

Peel 1 fully ripe banana and cut lengthwise into halves. Place cut side up, side by side, in shallow dish. Top with 3 scoops of ice cream and pour on your favorite sauce. Garnish with whipped cream, chopped nuts and bright maraschino cherries.

Whatever diet you're on—

Help yourself—HAVABANANA!

Help yourself to a slender figure!

Help yourself to new vitality!

Help yourself to better digestion!

Remember—a medium banana has only 88 calories!



Help yourself to Chiquita's

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Recipes

Sunrise one morning during the late 1600's revealed a weathered sloop riding at anchor in Boston Harbor. Shorefront observers saw that it rode low in the water, evidently carrying a heavy cargo. They had no way of knowing that this cargo was the first of its kind ever to reach New England and was to initiate changes in New England's eating and drinking habits, as well as to play its part in bringing a country yet undreamed of to civil war.

Down in the sloop's creaking hold, hogsheads of molasses crowded each other, lumbered aboard weeks before in the West Indies. Soon the sweet syrup would be on every Yankee table, poured over breakfast dishes and desserts, mixed into hasty pudding, and used as the sweetening ingredient in countless New England recipes. Shortly, men would be distilling it into rum, most of which would go to Africa to be traded for slaves, these to be traded in the South for sugar molasses, and money—to the completion of the triangle and the enrichment of the Yankee trader.

Not too long after the landing of that first cargo of molasses, Boston housewives and their cooks were experimenting with the new ingredient in cookies, cakes, and candies, and even adding it to baked beans.

BOSTON BAKED BEANS

1 quart pea beans	1 tsp. salt
$\frac{1}{2}$ lb. salt pork	$\frac{1}{2}$ tsp. dry mustard
$\frac{1}{3}$ cup sugar	boiling water
$\frac{1}{3}$ cup molasses	

Wash and pick over beans. Soak overnight in cold water. In the morning, drain, cover beans with fresh water and simmer until skins break. Put beans into bean pot. Score pork and press into beans, filling pot three-fourths full. Add sugar, molasses, salt, and mustard. Cover with boiling water. Cover and bake 8 hours without stirring in slow oven, 250°. Keep beans almost covered in water. Remove cover during last half hour of baking. Serves 8.

BAKED SQUASH

winter squash	molasses
salt	butter
sugar	

Cut squash in bite-size portions. Remove seeds. Cook in boiling salted water several minutes. Then peel and place in baking dish. Sprinkle with salt and a light sprinkling of sugar. Pour molasses over the squash. Dot with butter. Bake in moderate oven, 350°, for about an hour, or until tender. Baste several times during cooking.

BAKED HAM AND PINEAPPLE

Ham slice, thick cut	pineapple syrup
whole cloves	molasses
pineapple slices	

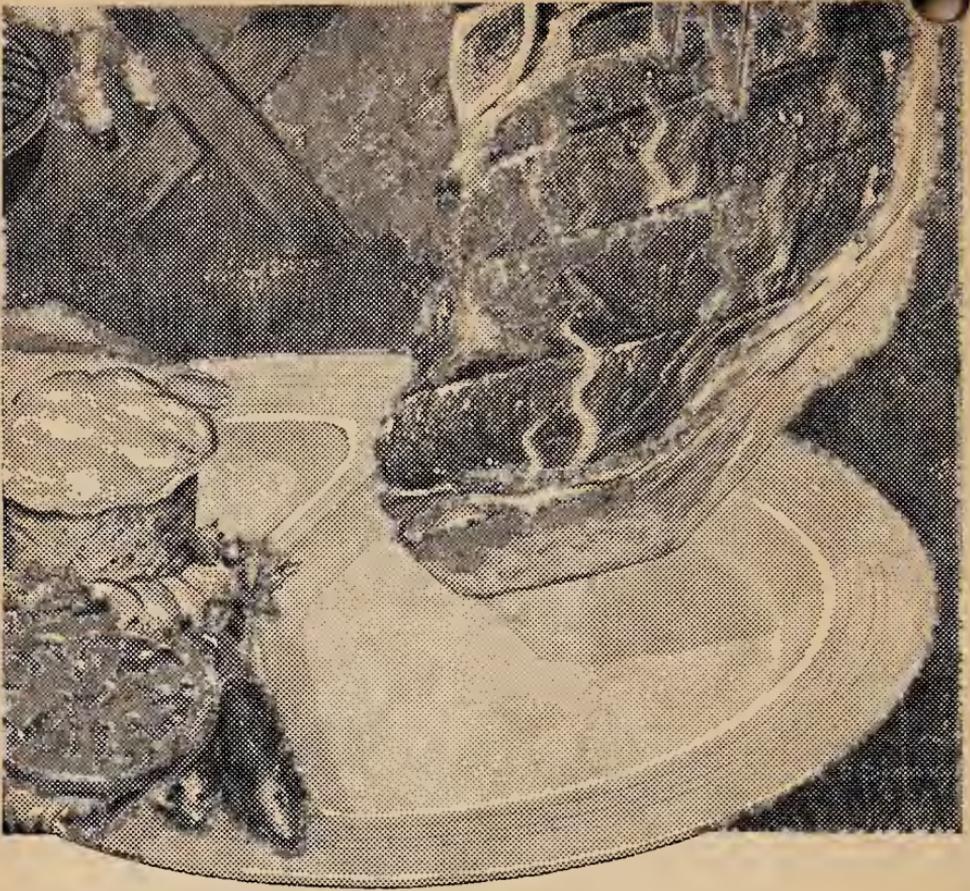
Place ham, studded with cloves, in greased baking dish. Arrange pineapple slices on top of ham, adding a little of the pineapple juice. Pour molasses over all. Cover and bake in moderate oven, 350°, for about an hour, basting frequently.

MOLASSES PIE

3 eggs	$\frac{1}{4}$ cup melted butter
1 cup brown sugar	1 cup pecans
1 cup molasses	1 tsp. vanilla
$\frac{1}{2}$ tsp. salt	

Line 9-inch pan with pie crust. Beat eggs, sugar, molasses, salt and butter until sugar is dissolved and mixture has syrupy consistency. Add pecans and vanilla. Pour into pie crust. Bake in moderate oven, 350°, for 40-50 minutes.

Continued on Page 67



Serve that Sizzler on strong, wiltproof CHI-NET® paper plates

CHI-NET paper plates are just made to hold thick, juicy steaks with all the trimmings. Individually molded to shape, they stay rigid even when piled high with food . . . CHI-NET never gets limp. Available in a variety of shapes, sizes and colors. Look for them in their attractive transparent packages at your favorite food or variety store.



BAKED INDIAN PUDDING

5 cups milk	$\frac{3}{4}$ tsp. cinnamon
$\frac{2}{3}$ cup dark molasses	$\frac{1}{4}$ tsp. nutmeg
$\frac{1}{3}$ cup sugar	$\frac{1}{2}$ tsp. salt
$\frac{1}{2}$ cup yellow cornmeal	2 Tbs. butter

Scald 3 cups of the milk. Add molasses, sugar, cornmeal, spices, and butter. Cook 20 minutes, or until mixture thickens. Pour into buttered baking dish. Add remaining 2 cups milk. Do not stir. Bake 3 hours in slow oven, 300°. Serve warm with cream. Serves 8.

MAINE MOLASSES DOUGHNUTS

2 eggs	4 cups flour
1 cup sugar	$\frac{1}{4}$ tsp. cloves
$\frac{1}{2}$ cup molasses	$\frac{1}{4}$ tsp. ginger
1 cup sour milk	$\frac{1}{8}$ tsp. salt
1 tsp. soda	1 Tbs. melted lard

Beat eggs, add sugar, and beat well. Add molasses and sour milk, then add soda. Sift flour, salt, and spices, and add to mixture. Then put in the melted lard. Roll out doughnut shapes and fry in deep hot fat. Turn frequently. Drain. 3 dozen.

GINGERBREAD

$1\frac{1}{2}$ cups flour	$1\frac{1}{2}$ cups molasses
$\frac{1}{4}$ tsp. salt	$\frac{1}{2}$ cup candied lemon peel
$\frac{1}{2}$ cup oatmeal	2 Tbs. ginger
1 cup butter	$\frac{1}{2}$ cup cream

Mix flour, salt, and oatmeal. Cream butter. Add flour mixture and cream alternately. Stir in molasses, shredded lemon peel, and ginger. Work into a light dough, turn into a well-greased pan. Bake in moderate 350° oven for 40 minutes.

MOLASSES BUTTERSCOTCH

1 cup sugar	3 Tbs. hot water
$\frac{1}{4}$ cup molasses	pinch of salt
$\frac{1}{2}$ cup butter	$\frac{1}{2}$ tsp. lemon extract
1 Tbs. vinegar	

Combine all ingredients except lemon extract. Cook over low flame, stirring constantly. When mixture reaches hard ball stage, add lemon extract, pour into greased tin, and cool.

OLD FASHIONED MOLASSES COOKIES

$\frac{1}{2}$ cup butter	$\frac{1}{2}$ tsp. ginger
1 cup brown sugar	$\frac{1}{2}$ tsp. nutmeg
1 egg	1 tsp. cinnamon
1 cup molasses	$4\frac{1}{2}$ cups flour
1 tsp. baking soda	1 tsp. salt
1 cup sour milk	

Cream butter and brown sugar. Beat egg and add to mixture. Add molasses, soda, and sour milk. Beat well. Sift flour and seasonings. Add to mixture and blend well. Drop onto greased baking tin. Bake 10-12 min. in moderate 375° oven. 3 dozen.

MEAD

4 lbs. brown sugar	4 ozs. cream of tartar
$\frac{1}{2}$ pt. molasses	1 oz. checkerberry
$\frac{3}{4}$ qts. boiling water	1 oz. saffras

Mix brown sugar, molasses, and boiling water. Let stand. When lukewarm, add cream of tartar. When cold, add checkerberry and saffras. Mix 2 tablespoons of this mixture in a glass of water with $\frac{1}{3}$ tsp. soda. Add ice.

HAYMAKERS' SWITCHEL

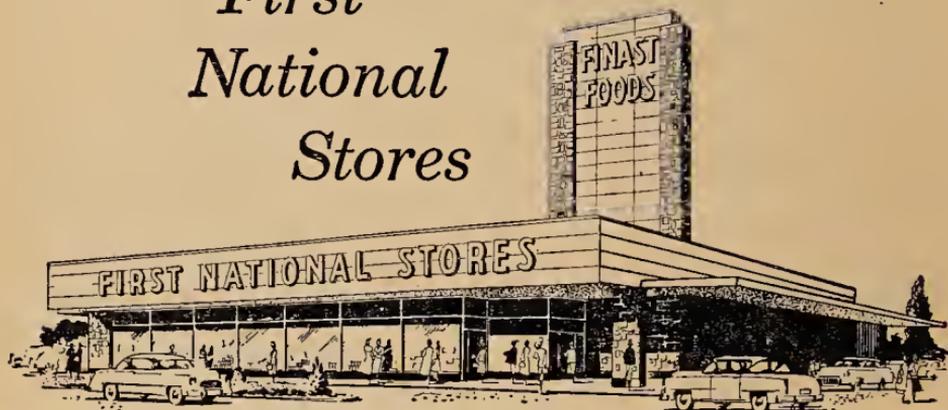
2 quarts water	$\frac{1}{2}$ cup vinegar
1 cup sugar	$\frac{1}{2}$ tsp. ginger
$\frac{1}{2}$ cup molasses	

Stir ingredients together and let cool.

Continued on Page 71

NEW ENGLAND INSTITUTIONS:

Old Farmers' Almanac ... First National Stores



First National Stores is proud of its authentic New England heritage. Founded by New Englanders, and continuously operated by New Englanders, its policies have always been characterized by Yankee integrity: insistence upon finest quality, fullest service and most for the customers' money every day of every week!

FIRST NATIONAL
Stores

New England Baked Beans... great with Log Cabin Syrup!



Like church bells and town meetings, baked beans spell "New England." And beans baked with luscious Log Cabin Syrup have that rich sugarbush flavor all New Englanders love. That deep-down maple goodness adds magic to so many dishes. No wonder Log Cabin is such a hit with New England folks!

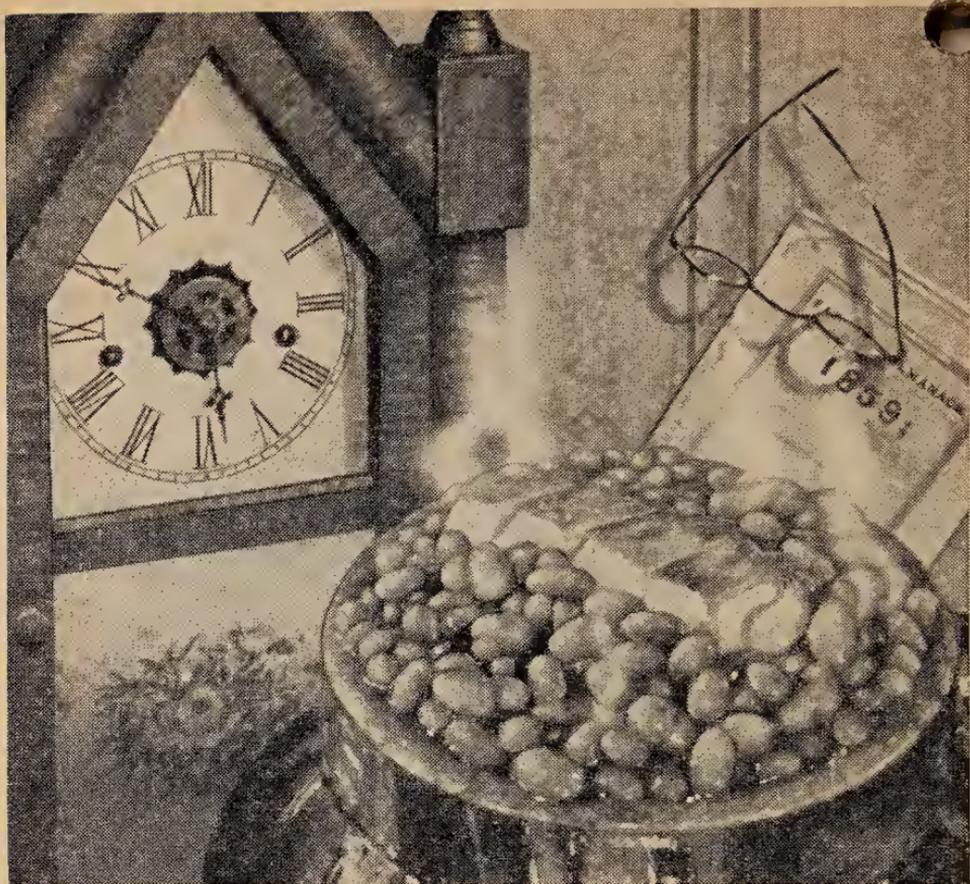
BAKED BEAN CASSEROLE

Add $\frac{3}{4}$ cup of Log Cabin instead of molasses, plus your favorite seasonings, to a two-quart casserole (approximately 3 large cans beans). Brown in the oven, topping with a trickle of Log Cabin. Get set for compliments!



LOG CABIN. The syrup with New England maple sugar blended into every drop.

Another fine product from General Foods Kitchens



*T*hese plump, tender B & M Brick Oven Baked Beans are baked all day long in real bean pots with a luscious sauce of brown sugar and spices and big chunks of tender pork. Serve them often with B & M Brown Bread, steamed or toasted, for real "down east" good eating.



B&M

New England



**brick oven
BAKED BEANS**

BURNHAM & MORRILL CO., Portland, Maine

DRIED APPLE CAKE

3 cups dried apples	1 lb. dates
1 cup molasses	½ tsp. salt
1 cup butter	2 tsp. soda
2 cups sugar	2 tsp. allspice
4 cups flour	2 tsp. nutmeg
2 cups raisins	1 tsp. cinnamon
2 cups nutmeats	

Soak dried apples overnight in water to cover. In the morning, drain, and chop apples very fine. Add molasses and simmer slowly until tender. Cool. Cream butter and sugar until light. Sift flour before measuring, sifting a little over the raisins, nut meats, and dates which have been chopped fine. Resift remainder of flour with salt, soda, and spices. Then stir the sifted ingredients into the butter mixture. Add other ingredients and when well blended stir in the apples. Bake in greased paper-lined loaf pans for about an hour at 350°.

Delighted with their new molasses sweetening, the Colonists still remembered and yearned for the honey that they had known and enjoyed back home. They arranged to have hives of bees shipped over from England, and soon New England tables were graced with favorite honey dishes.

HONEYED BEETS

8 beets, cooked	1 tsp. grated orange peel
2 Tbs. butter	½ cup honey
¼ cup orange juice	salt and pepper

Dice beets and place in pan. Add other ingredients. Cook over moderate flame until glaze forms on beets. Serves 4.

HONEY SKEWERS

Cut into sections assorted fresh fruits, peeled: peaches, oranges, pineapple, apples, etc. Marinate for 2 hours in a mixture of 2 parts kirsch to 1 part honey. Broil fruit on skewers over coals for 10 minutes. Sprinkle lightly with lemon juice before serving.

HONEY FRUIT COMPOTE

1 cup pears	4 Tbs. honey
1 cup peaches	1 tsp. lemon juice
1 cup apples	2 Tbs. orange juice
1 cup pineapple	2 Tbs. Kirsch
1 cup oranges	1 cup strawberries
1 cup grapefruit	

Cut up all fruit except berries. Add honey, lemon juice, orange juice, Kirsch. Mix lightly. Let fruit stand in cool place for an hour. Garnish with strawberries when served. Serves 6.

LEG OF LAMB

1 5-lb. leg of lamb	1 tsp. salt
½ cup prepared mustard	¼ tsp. pepper
½ cup honey	

Place lamb on rack in shallow roasting pan. Bake in slow oven, 300°, for 2 hours. Blend mustard, honey, and seasoning and pour over lamb. Serves 6.

SCRIPTURE CAKE

1 cup butter	Judges 5:25	3 Tbs. honey	Exod. 16:21
3½ cups flour	I Kings 4:22	pinch of salt	Lev. 2:13
2 cups sugar	Jer. 6:20	spices to taste	I Kings 10:10
2 cups raisins	I Sam. 30:12	½ tsp. soda	Matt. 13:33
2 cups figs	I Sam. 30:12	1 tsp. cream of tartar	
1 cup water	Gen. 24:17		Matt. 13:33
1 cup almonds	Gen. 43:11		Father Solomon's advice for making good boys
6 eggs	Isa. 10:14		Prov. 23:13

Written expressly for The Old Farmer's Almanac by Duncan MacDonald, Food Editor, YANKEE Magazine, Yankee Network broadcaster, and co-author (with Robb Sagendorph) of Rain, Hail and Baked Beans.

Since 1821



New England's favorite "handy ham"

If you're an old line New Englander, you know Underwood Deviled Ham is just about as much a part of Yankee lore as the famed bean pot.

Underwood Deviled Ham was stowed aboard clippers headed around the Horn toward the California gold fields. It's one part of New England that has spread the length and breadth of the land.

There's a simple reason for this. William Underwood, the company founder was a Yankee. He made Deviled Ham from fine whole hams and a secret formula of spices—so it had flavor that couldn't be copied. You'll find this same flavor in every can of Underwood Deviled Ham—enjoy it in a sandwich, meal or snack—today!

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Arthritis

I suffered agonizing attacks for over 20 years, including sciatica. I used at least five doctors and tried everything. Nothing really helped very much. Then a friend, acquainted in scientific medical circles, told me about a wonderful new kind of medicine for the awful pains of arthritis, rheumatism, lumbago and neuritis.

I am so grateful that I feel duty bound to share my new-found secret of comfort and happiness with others. Please write me today. No obligation whatsoever. I just want to do for others what I'd want done for me. Please write now. Paul McCoy, Apt. A-95, 522 Fifth Ave., N. Y. 36, N. Y.

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“Because I wasn’t sleeping well,
my doctor started me on Postum.”

“I was tired so often, and yet, I slept poorly.

“I love coffee and I found the more tired,
nervous and upset I felt, the more coffee I drank.

“Finally, I went to the doctor. He pointed
out perhaps I was ‘over-coffee’d’—getting too
much caffeine. He advised me to drink Postum
instead because Postum’s 100% coffee-free.

“You know, Postum’s really good, doubly so
because I sleep and feel so much better!”



Postum is 100% coffee-free

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Anecdotes

Recollection

In my day on the farm we had a nice pair of horses. But many older farmers had oxen and one horse. If the going was hard they would hitch the horse before the oxen. My father used to tell about one of these hitches.

An elderly sea captain retired to the farm and went to town with a big load. The oxen got tired and turned their yoke. The captain's report was:

"The larb'd ox was on the starb'd side, the starb'd was on the larb'd and old Jane was tangled up in the riggin' and we were all goin' to hell stern foremost."

Ernest Henry Adams

Insurance Firsts

According to *The Trader's Companion*, London, 1722.

The first man to introduce the insurance of ships and merchandise was Claudius Caesar, sometime before 222 A.D. It refers to Suetonius' "Lives of the Caesars," Book 25, Chap. 18. Claudius' wife (Agrippina), you will remember, poisoned him, using a mushroom as the conveyance.

Houses and lives came later (1684) with The Friendly Society, projected by Henry Spelman. Sir Christopher Wren, famous architect was one of the trustees of the Society's funds. Another associate with Spelman was one William Hale from the County of Hertford.

Grace Before Victuals

A poverty stricken Irish poet pronounced Grace before his intended meal of a small piece of beef and a few dwarfed potatoes this way:

O! Thou that blest the loaves
and fishes,

Look down upon these two poor
dishes,

And though the taters are but
small,

Oh make them large enough for
all,

For if they do our bellies fill,
'Twill be a kind of MIRACLE.



Good Shots

Priest in his "Travels in America" tells of a company of Virginia riflemen, quartered at Lancaster, Mass., in 1775.

Two of them alternately held a board only nine inches square between his knees while his comrade fired a ball through it from a distance of one hundred paces.

Hibernian Catch

My Duck she eat a Snail
And was not that a wonder
It came out thro' her tail
And split her rump asunder.

Booknotes, 1787

Connecticut Winters

Peter's *History of Connecticut* 1829 is held an honest book. The author relates therein that naturalists of his day attributed cold winters to New England's frozen lakes and rivers and its snow-capped mountains. With this Peters disagrees:

"I write from experience. Mountains with snow on them are not so cold as those without. But mountains covered with trees are the coldest of all places, but without trees are not so cold as are forests on plains. I am clearly of the opinion that the infinite quantity of timber whether on mountains or not is the grand cause of the coldness of Connecticut's winters."



Figure These Out

In one second there flies out of a burning candle ten millions of times more than the number of grains of sand in the whole earth.

The eggs of a female fish amount to 9,334,000 in number. The male to fertilize each must have 10,000 spermatie Animalculae or within him 84 times more fish than there are people in the world.

A penny placed at compound interest of five per cent at the birth of Jesus Christ would have produced by 1786, a value of \$110,000,000. At single interest, only a few dollars.

A strict old-fashioned school master in his 50 years of teaching gave 911,500 canings, 124,000 floggings, 136,000 ruler blows, 22,700 tasks to set by heart and made 700 boys stand on peas, 600 kneel on a sharp piece of wood, 5000 wear the Fool's Cap.

The difference between rising at five and seven in the morning in the space of 40 years, providing one goes to bed at the same hour every night, is the equivalent to the addition of ten years to a man's life.



Dutch Elm Blight

According to a United Press dispatch of June 9, 1957, Bernard Warren of Grand Rapids, Michigan, confessed to having brought, unknowingly, this nation's Dutch Elm Blight Disease. This happened when he imported 12 carloads of Carpathian elms from Europe for elm burl furniture veneer.

Purely Physiological

The waters beneath the Arctic ice, despite cold and darkness, teem with animal life. During the winter months egg laying and reproduction are at their height. All the organisms freeze solid when brought to the surface yet when thawed in the Laboratory

show no ill effects. Within hours insects come out and act just as if Spring had appeared, and frozen plants from the tundra when thawed grew with unbelievable rapidity.

News Letter Arctic Inst. of N.A.

Purely Occidental

A Chinese husband, after having been presented by his wife with eight lovely children with the color of his own race, was dismayed upon finding the ninth was pure white. He questioned his wife seriously in this regard for quite some time but received no adequate answer. Finally, pressed too hard, she told him not to worry, that such an event was "purely Occidental."

Nonengenerianisms

Hiram Carey, 97, Dublin, N.H., remarked recently that "some people don't know when to stop until the rope is around their neck." Also, when viewing one of the new cars . . . "There have been plenty of things in my life I've enjoyed more in the wanting than the having."

General Washington's Motion

In 1817, in a debate in the House, a member related and applied an anecdote he had heard from a member of the convention which formed the Constitution. The motion had been made that Congress should restrict our standing army to 5000. General Washington, being chairman, could not amend such a motion so he whispered to a member from Maryland to do this for him this way: Namely, that the motion should be amended to read that no foreign enemy should invade the United States at any one time with more than 3000 troops.



FISH AND GAME SUMMARY

(Format copyrighted — must not be copied.)

Based on latest (mostly 1957-58) available laws courtesy of State Fish & Game Commissioners. For the most part 1959 laws not released until after press date (June, 1958) and so no attempt is made here at accuracy; in fact, only approximations of the months which may include seasons are given. This table useful only for vacation planning considerations and to satisfy curiosity as to what the various states offer in the way of hunting and fishing.

EXACT DATES, LIMITS, ETC. MUST BE VERIFIED LOCALLY.

STATE	SPECIES	ANTELOPE	BEAR	DEER	MT. GOAT SHEEP	ELK	MINK	MUSKRAT	OPOSSUM	RABBIT	RACCOON	SQUIRREL
Alabama			C	11-12			11-2	11-2	10-2	10-2	10-2	11-12
Alaska			9-6	8-11	8		12-1	1-5		9-4		0
Arizona	9-10	O	10-11		12	10				O		11
Arkansas		C	C	11-12		C	11-1	11-1	O	9-1	11-1	10-12
California	C	10-1	8-10		C	C	11-2	11-3	O	11-1	O	11-12
Colorado	9	4-11	10		9	10	11-1	11-4	O	9-2	O	
Connecticut		O	12-1				C	C	O	11-12	11-12	11
Delaware			11				12-3	12-3	11-1	11-12	11-1	9-10
Florida		11-12	11-12							O		11-1
Georgia		11-1	11						10-1	11-2	10-1	10-1
Idaho	S	9-11	S		9	10				10-1		C
Illinois			11				11-12	11-12	11-12	11-1	11-1	8-10
Indiana			X				11-1	11-1	11-1	11-1	11-1	8-10
Iowa			11-12				11-12	11-12		9-1	10-2	9-11
Kansas							12-1	12-1	12-1	12-10	11-1	9-12
Kentucky										11-1		8-12
Louisiana		C	11-1							10-2		10-12
Maine		O	10-11				11	11		10-3	11-2	10-11
Maryland		C	10-12					1-3	10-1	11-12	10-1	10
Massachusetts		10-12	12				11-1	11-1	11-12	10-2	10-12	10-11
Michigan		10-11	11			C	11-1	11-1	O	10-3	10-12	10-11
Minnesota		O	11				11	11		10-2	11-12	10-12
Mississippi		C	11-12				12-1	12-1	12-1	10-2	O	10-12
Missouri			11				12-1	12-1	11-1	6-2	11	7-11
Montana	9-11	3-5	10-11		9-11	10-11	6-8	6-8				
Nebraska	9		10, 11				11-1	11-3	O	O	O	9-12
Nevada	8-9		10		12	11	11-3	11-3		10		
New Hampshire		O	11-12				11-1	11-1		10-3		10-11
New Jersey		C	10, 12				12-3	12-3		11-12	9-3	
New Mexico	9-10	11	11		2	10						
New York		10-12	10-12				11	11	11	10-11	10-1	10-12
Long Island		C	C							11-1		11-12
North Carolina		10-12	10-12						10-2	11-1	10-2	10-12
North Dakota	9		10-11				11	11		O		
Ohio			12				11-2	11-3	11-2	11-12	11-2	9-10
Oklahoma			11				12-1	12-1	12-1	O	12-1	5-12
Oregon	8		10-12		X	10-11						O
Pennsylvania		11	12							12		10
Rhode Island			10, 1							11-12	10-1	11-12
South Carolina			12-3				12-3	12-3	12-3	12-3	12-3	12-3
South Dakota	9		11				11-1	11-1	11-1			
Tennessee		10	11				10-1	10-1	10-1	11-1	10-1	9-12
Texas	C	11-12	11-12				12-1	12-1	12-1	12-1	12-1	O
Utah	P		10									
Vermont		6-12	11			C	10-2	10-4	O	10-2	8-2	10
Virginia		10-11	11-1				10-1	11-1	10-1	11-1	10-1	11-1
Washington		9-11	10-11		9	11	11-1	11-1		10-3		
West Virginia		11	10-12							11-1	11-1	10-1
Wisconsin		11	10-12						10-12	10-12	10-12	10-1
Wyoming	9	4-6	9-10		9-10	9-12	9-10					

SPECIALS IN CERTAIN STATES:

ALLIGATOR: Ga. (6-1); Fla. (6-1)
 WILD BOAR: Fla. (S), N. C. (10-12); Tenn. (10), Tex. (10)
 BUFFALO: Alaska (C), Ariz. (11), Utah (P); Tex. (O)
 CARIBOU: Alaska (S)

CHACHALACA: Texas (12-1)
 JAVELINA: Ariz. (2), Tex. (O)
 MOOSE: Alaska (9), Idaho (P), Mont. (9-11); Wyo. (9-10)
 BLUEGILL: Ind. (O), Mass. (X), Mich.; S.D.; Tenn. (O)

SYMBOLS USED PAGES 78 AND 79

Months: January is represented by the numeral "1"—February by the numeral "2," etc.
 Seasons: In the columns under the various animals, birds, and fishes you will note these numerals which represent the months in which the various seasons open and close. This, "12-3" means the season opens in December and closes in March. A number standing alone means the season opens and closes within that month. Thus "12" alone means the season is within December. A number followed by a comma denotes two seasons: thus "9, 12" would mean a season in September and then another in December. "O" means no closed season; "X" not available; "S" special seasons, "C" closed, "P" Permit only.

VERIFY EXACT OPENING & CLOSING DATES IN EVERY CASE.

PARTRIDGE GROUSE	PHEASANT	QUAIL	TURKEY	STATE	SPECIES	BASS	CATFISH PERCH SUNFISH CRAPPIE	PIKE PICKEREL	SALMON	BROOK TROUT	LAKE TROUT	WHITEFISH
9-12		12, 1	12, 4	Alabama.....	O	O	O	O	O	O	O	O
		12	10	Alaska.....	6 ^r		6 ^r	6 ^r	S	6 ^r		
C	C	12-1	4	Arizona.....	O	O	O	O	O	O	O	O
S	11	11-12	C	Arkansas.....	O	O	O	O	O	O	O	O
9	11	11	10	California.....	O	O	O	5-10	5-10	5-10	5-10	O
C	10-11	C	C	Colorado.....	O	O	O	5-10	5-10	5-10	5-10	5-10
	11-12	11-12		Connecticut.....	5-10	5-10	5-10	C	5-10	5-10	4-2	
		11-1	11-1	Delaware.....	O	O	O	O	4-11	O	O	O
11-1	X	X	11-2	Florida.....	O	O	O	O	O	O	O	O
X	X	X		Georgia.....	O	O	O	O	O	O	O	O
C	11	11-12		Idaho.....	6-10	6-10	6-10	S	6-10	6-10		
11-12	S	11-12	C	Illinois.....	O	O	O	O	O	O	O	O
11	11-12	11-12		Indiana.....	O	O	O	O	5-8	O	O	O
10	11	11-12		Iowa.....	5-2	O	O	O	O	O	O	O
11-1		11-1		Kansas.....	O	O	O	O	O	O	O	O
		12-2	C	Kentucky.....	O	O	O	O	O	O	O	O
10-11	10-11	10-11		Louisiana.....	O	O	O	O	O	O	O	O
11-12	11-12	11-12	10	Maine.....	6-9	4-9	4-9	4-9	4-8	4-9	4-9	4-9
10-11	10-11	10-11	C	Maryland.....	6-11	O	6-11	4-9	4-3	4-3	4-9	4-9
10-11	10-11	C	C	Massachusetts.....	4-2	O	4-2	4-10	4-10	4-10	4-2	
10-11	10-11	C	C	Michigan.....	6-9	O	4-3	4-3	4-9	4-9	O	O
10-11	10-11	10-11		Minnesota.....	6-2	O	5-2	O	5-9	1-9	O	O
		12-2	4	Mississippi.....	O	O	O	O	O	O	O	O
C	C	11-12	C	Missouri.....	O	O	O	O	O	O	O	O
10	11	11		Montana.....	O	O	O	O	O	O	O	O
10	11	11		Nebraska.....	O	O	O	O	O	O	O	O
10-11	10	C		Nevada.....	O	O	O	S	O	O	O	O
11-12	11-12	11-1	C	New Hampshire.....	6-10	5-10	5-3	4-8	4-9	1-9	1-8	
10-12	10-12	10-12	10	New Jersey.....	6-11	O	5-11	4-11	4-11	4-11	O	O
10-11	10-11			New Mexico.....	O	O	O	O	5-11	5-11	O	O
X	11-12	X		New York.....	7-11	O	5-3	4-9	4-9	4-9	4-9	
10-1	11-1	11-1	11-1	Long Island.....	O	O	O	O	4-8	O	O	O
10	10-11			North Carolina.....	6-2	O	5-2	5-9	5-9	5-9	O	O
11-12	11-12	C	C	North Dakota.....	O	O	O	O	O	O	O	O
9, 10	11	11-12		Ohio.....	O	O	O	O	O	O	O	O
10	10	10	10	Oklahoma.....	O	O	O	O	4-10	4-10	4-10	4-10
11-12	11-12	11-12		Oregon.....	O	O	O	O	O	4-8	4-10	O
12-3	12-3	12-3	12-3	Pennsylvania.....	1-3	O	O	O	O	4-10	4-10	O
10	10-11			Rhode Island.....	6-2	O	4-2	O	O	O	O	O
11-1	11-1	11-1	4-5	South Carolina.....	O	O	O	O	O	O	O	O
P	10-3	12-1	11-12	South Dakota.....	O	O	5-2	O	O	3-9	3-9	O
10	11	11		Tennessee.....	O	O	O	O	O	O	O	O
11-1	11-1	11-1	11-1	Texas.....	O	O	O	O	O	O	O	O
10-11	10-11	10-11		Utah.....	6-10	6-10			6-10	6-10	6-10	
10-1	10-11	11-1	11-1	Vermont.....	7-11		5-3	5-10	5-10	5-10		
10-1	10-11	11-1	11-1	Virginia.....	O	O	O	O	4-12	4-12	O	O
10-1	10-11	11-1	10-11	Washington.....	5-10	5-10	5-10	5-10	5-10	4-10	12-2	
10-1	10-11	11-12	10-12	West Virginia.....	O	O	O	O	4-12	4-12	O	O
				Wisconsin.....	5-2	O	5-2	5-9	4-9	1-9		
				Wyoming.....	5-10	5-10	5-10	5-10	5-10	5-10	5-10	

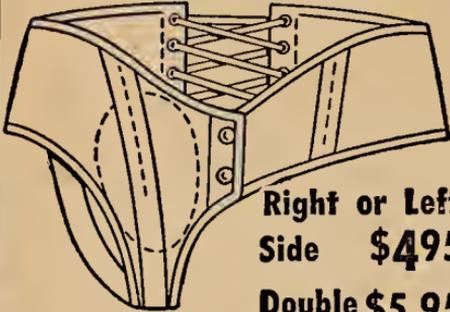
BUFFALO: Minn. (5-2), Texas (O)
 BULL FROGS: Ariz. (6-11), Ark. (6-12);
 Del. (5-12), Ida. (6-10), Ia. (5-11), Ind. (4,
 6-10), Kans. (7-9), Mo. (7-11), Neb. (7-11),
 N. Mex. (8-9), Pa. (7-10), Tenn. (6-3), W. Va.
 (6).

SHAD: Calif. (O), Ct. (4-6), Del. (3-6), Ga. (O),
 Md. (3-9)
 STURGEON: Ida. (O), Mich. (O)
 TERRAPIN: Fla. (X), Pa. (11-3)

Immediate Comfort
And Relief for You with

RUPTURE-EASER

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



Right or Left
Side \$4.95
Double \$5.95

NO FITTING REQUIRED

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

• **A MOST EFFECTIVE SUPPORT FOR REDUCIBLE INGUINAL HERNIA.**

Thousands of people who have tried other devices turn to Rupture-Easer for new comfort.

• **RUPTURE-EASER IS SANITARY.**

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

• **NO FITTING REQUIRED.**

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



**OVER 1,000,000
GRATEFUL USERS**

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

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811 Wyandotte, Kansas City 5, Mo.

PIPER BRACE CO., DEPT. ON-9

811 Wyandotte, Kansas City 5, Mo.

Please send my **RUPTURE-EASER** by return mail.

Right Side \$4.95 Measure around lowest
Left Side \$4.95 part of my abdomen in
Double \$5.95 _____ INCHES

We Prepay Postage Except on C.O.D.'s

Enclosed is: Money Order

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

Name _____

Address _____

City and State _____

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with Amazing New

BACK-EASER

**SACROILIAC
RELIEF**

For Men, Women

\$5.95

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Give Firm Even Support



A strong form fitting washable support. Snaps in front. Completely washable and sanitary. Unexcelled for comfort, invisible under light clothing. Action-free; you can bend, work or play in it. Don't suffer any longer. Get easy to wear **Pi-Peer BACK-EASER** today. 10-day trial offer. Money back guarantee. Just give hip measurement. We pay postage except on C.O.D.'s.

PIPER BRACE COMPANY

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DOCTOR REEVES' Safe-Soothing
FOOT CREAM



Guards Against Infection
Prevents Dryness, Scales, Cracking

3-month supply
\$2.00 post paid

Don't chance infection with harsh preparations. Specially compounded. Safe, yet soothing. Keeps skin soft. Eases calluses, corns. Stainless. Free Diabetic identity card. Order today. Postpaid except COD's.

DR. REEVES' PRODUCTS, INC.

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State	Op. Rd. Speed Max. (R—rea- sonable)	Date new license plates can be used	Driving license Mini- mum age	Gasoline tax	Percent sales tax	Period of stay ¹	Safety responsi- bility law	Certifi- cate of title required
Alabama.....	60	Oct. 1	16	\$.07	1	30 days	A	no
Arizona.....	R	Dec. 1	18a	.05	2	⁷	A	yes
Arkansas.....	60	Jan. 1	14c	.065	3	30 days	A	yes
California.....	55	Jan. 1	16bj	.06	3	³	A	yes
Colorado.....	60	Jan. 1	16	.06	2	Reciprocal	A	yes
Connecticut...	R	Mar. 1	16ik	.06	3	6 mos.	A	no
Delaware.....	50	3 mos.*	16	.05	...	90 days	A	yes
D. C.....	25	Mar. 1	16†	.06	2	Reciprocal	A	yes
Florida.....	65	Jan. 1	16b†	.07	1	Reciprocal	A	yes
Georgia.....	60	Jan. 1	16	.065	3	30 days	A	no
Idaho.....	60	Dec. 1	16b	.06	...	Reciprocal	A	yes
Illinois.....	65	On issue	16†	.05	2½	Reciprocal	A	yes
Indiana.....	65	Jan. 2	16	.06	...	Reciprocal	A	yes
Iowa.....	R	Dec. 1	16b	.06	2	Reciprocal	A	yes
Kansas.....	70	Jan. 1	16b	.05	2	³	A	yes
Kentucky.....	60	Dec. 29	16†	.07	3	Reciprocal	A	6
Louisiana.....	60	Dec. 1	15	.07	2	90 days	A	yes
Maine.....	60	Dec. 25	15†	.07	3	Reciprocal	A	no
Maryland.....	50	Mar. 1	16hk	.06	2	30 days	A-D	yes
Massachusetts	40	Jan. 1	16	.055	.05½	Reciprocal	C	no
Michigan.....	65	On issue	16bi	.06	3	90 days	A	yes
Minnesota.....	60	Nov. 15	15†	.05	...	Reciprocal	A	no ²
Mississippi....	60	Nov. 1	17d	.07	2	30 days	A	no ⁵
Missouri.....	65	On issue	16d	.03	2	Reciprocal	A	yes
Montana.....	65	Jan. 2	15	.07	...	30 days	A	yes
Nebraska.....	65	Jan. 1	15½e	.07	...	Reciprocal	A	yes
Nevada.....	R	June 1	16h	.06	2	³	A	yes
New Hampshire	50	Mar. 1	16d	.05	...	Reciprocal	A-B	no
New Jersey....	50	On issue	17	.04	...	Reciprocal	A-D	yes
New Mexico....	70	Dec. 15	16	.06	1	90 days	B	yes
New York.....	50	Jan. 1	18a	.04	...	Reciprocal	C-D	no
North Carolina	55	Jan. 1	16†	.07	1	Reciprocal	C	yes
North Dakota..	65	Nov. 1	16b	.06	2	Reciprocal	A-D	yes
Ohio.....	60	Mar. 1	16c	.05	3	Reciprocal	A	yes
Oklahoma.....	65	Dec. 11	16b	.065	2	60 days	A	yes
Oregon.....	55	On issue	16b	.06	...	³	A	yes
Pennsylvania..	50	Mar. 15	18†a	.05	3	Reciprocal	A	yes
Rhode Island..	50	Mar. 1	16k	.04	3	Reciprocal	A	no
South Carolina	55	Sept. 16	14	.07	3	90 days	A	no
South Dakota..	60	Jan. 1	15	.06	2	60 days	A	yes
Tennessee.....	65	Mar. 1	16b	.07	3	30 days	A	yes
Texas.....	60	Feb. 1	16bi	.05	1.1	Reciprocal	A	yes
Utah.....	60	Dec. 15	16	.06	2	Reciprocal	A	yes
Vermont.....	50	Mar. 1	18a	.05	...	Reciprocal	A	no ⁵
Virginia.....	55	Mar. 15	15f	.06	...	60 days	A-B	yes
Washington....	60	Jan. 1	16	.065	3½	Reciprocal	A	yes
West Virginia..	55	June 1	16	.06	2	90 days	A	yes
Wisconsin.....	65	On issue	16b	.06	...	Reciprocal	A	yes
Wyoming.....	60	Dec. 1	15h	.05	2	90 days	A	yes

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

²Required for initial registration of vehicle previously registered in another State.

³Until expiration of home registration.

⁴Three months before current registration expires.

⁵Upon transfer of title, seller must file memorandum with State.

⁶Bill of sale must be filed.

⁷Visitor's permit required after 10 days.

A. Modern "security" and "Future proof" type.

B. Uninsured Motorist Coverage

C. Compulsory.

D. Unsatisfied Judgment Fund.

R. Reasonable.

*Prior to expiration of 1957 regis.

(a) Jr. p'mt 16. (b) Jr. p'mt 14. (c) 14-16 need parent lic. sig. and under 18 need par. lic. sig. (d) Jr. p'mt 15. (e) 15½-16 need acc. by lic. op. and permit. (f) Exc. cert. cities. (g) Jr. p'mt 13. (h) Under 21, need par. lic. sig. (i) 16-18 applicant must have completed driver training course. (j) 15½ if applicant has completed driver training course. (k) Minor must file proof of financial responsibility.

License issued under age 18 must be signed by parent or guardian.

GESTATION AND REPRODUCTION TABLE

	Proper age for first mating	Period of power of reproduction in years	No. of females for one male	Period of gestation and incubation		
				Shortest days	Mean days	Longest days
Mare.....	3 yrs.	10 to 12		325	336	352
Stallion.....	4 "	12 to 15	20 to 30			
Cow.....	18-24 mos.	10 to 14		235	282	300
Bull.....	12-18 "	10 to 12	30 to 40			
Ewe.....	18 "	6		145	147	152
Ram.....	12-14 "	7	35 to 45			
Sow.....	9 "	6		110	114	120
Boar.....	9 "	6	8 to 12			
She Goat.....	18 "	6		147	151	155
He Goat.....	18 "	5	20 to 30			
Ass.....	3 yrs.	10 to 12		356	367	378
Jack.....	4 "	12 to 15	20 to 30			
She Buffalo.....	18-24 mos.	8		309	315	325
Bitch.....	16-18 "	8		58	63	67
Dog.....	12-16 "	8				
She Cat.....	12 mos.	6		58	60	64
He Cat.....	12 "	10	6 to 8			
Doe Rabbit.....	6 "	5 to 6		25	30	35
Buck Rabbit.....	6 "	5 to 6	30			
Cock.....	6 "	5 to 6	12 to 18			
Hen.....		5 to 6		19	21	24
Turkey.....				24	26	30
Duck.....				28	30	32
Goose.....				27	30	33
Pigeon.....				16	18	20
Pea Hen.....				25	28	30
Guinea Hen.....				20	23	25
Swan.....				40	42	45
Hen or Duck's Eggs.....				22	30	34
Robin's Eggs.....				13	16	19

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		

LOOK for Rupture Help

Try a Brooks Patented Air Cushion appliance. This marvelous invention for most forms of reducible rupture is GUARANTEED to bring you heavenly comfort and security, day and night, at work and at play, or it costs you NOTHING! Thousands happy. Light, neat-fitting. No hard pads or springs. For men, women, and children. Durable, cheap. Sent on trial. Not sold in stores. Beware of imitations. Write for Free Book on Rupture, no-risk trial order plan, and Proof of Results.



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55 State St., Marshall, Mich.

I'll Send You These Products

FOR

FREE TRIAL



And Show You How to Make Money in Full or Spare Time without Experience and without Putting Up a Penny

Just send me your name and I'll rush you PREPAID these full-size packages of famous Blair Home Products: Cosmetics, Flavorings, Foods, etc. Make money introducing to friends, neighbors. Special bargains, valuable premiums, spectacular offers put you into a successful business of your own overnight. You don't need experience, and I give you credit. Assortment of full-size products for free trial ready! Send no money. Write **BLAIR, Dept. 348CA, Lynchburg, Va.**

WANTED—BOOKS—PAMPHLETS

Diaries, letters, Revolutionary War, Civil War, Literary and Western. Also Western paintings (oil or water color). Please give complete descriptions.

Howard S. Mott — Books
Sheffield, Mass.

OLD REWARD POSTERS

NOW, by courtesy of Wells, Fargo, we are privileged to offer a limited edition of exact facsimiles of the authentic original rare "REWARD POSTERS." Unique collector's items, they make picturesque decorations to display in your den and recapture the exciting adventure and raw violence of the Old West. 12 posters, all different at 50 cents each, or the entire set of 12 posters for only **\$2.00** — while the supply lasts.

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Harriman, Tennessee

New Chemical Crystals CURLS, WAVES HAIR

Without
Permanent
Wave
Solutions



As natural looking as if you were born with it, your hair can be radiant with beautiful curls and waves without permanent waving solutions, without sprays, lacquers or sticky gums. Just one application of safe easy new chemical crystals and your hair develops fascinating waves and curls so soft, so natural to the touch. And most important, your lovely curls and waves will look as glamorous the 7th day as the 1st. Yet the cost is only pennies a treatment!



JUST COMB IN

Simply stir a spoonful of these amazing KASACURL HAIR WAVING CRYSTALS in a glass of water. Dip in your comb and comb thru your hair and put up your hair using your regular curlers or pins. In the morning you'll thrill to gleaming curls and waves as perfect as naturally curly hair.

INTRODUCTORY OFFER

Not yet in stores, enough KasaCurl Hair Waving Crystals to curl and wave the hair of 8 women and girls is offered by mail for only \$1 plus Tax. If C.O.D. postage extra. Satisfaction guaranteed or return jar when empty for money back. KasaCurl is the hair waving discovery charm-conscious women have been awaiting for years so rush you your order today.

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"RAIN, HAIL & BAKED BEANS"

New kind of cookbook! Written by Duncan MacDonald, food expert, and Robb Sagendorph, weather authority. Tells how recipes and weather "go together." Any bookstore . . . \$3.95 or Yankee, Inc., Dublin, New Hamp., U.S.A.

Is "iron-hungry blood"* making you only "half" a woman?

Are You So Run-Down You
Can't Give Your Husband
Real Companionship?
Then Discover The Wonderful
Blood-Strengthening Action
of This Special Iron Tonic
for Women!



How tragic when a woman feels so tired, so run-down, she *can't* be a real companion to her husband. Luckily, it's often due to "Iron-Hungry Blood" (*simple iron deficiency anemia). Then it's needless to suffer this awful weariness. Now, a wonderful iron tonic can help relieve this condition...thus renew your vitality. It's Lydia E. Pinkham's Tablets, the *only* blood enriching iron tonic that's made especially for women!

Rich in iron, Pinkham's Tablets start to strengthen "Iron-Hungry

Blood" *in one day!* Thus quickly help build rich, red blood...to restore strength and energy so you feel fine again fast! Pinkham's unique formula can also bring blessed relief from functionally-caused monthly cramps and "Hot Flashes" of change-of-life. No wonder so many women use Pinkham's Tablets *all through their lives!*

If "Iron-Hungry Blood" has left you weak, run-down—only "half" a woman—get Pinkham's Tablets from druggists. See if you don't soon feel "all" woman again!

No Surgery Needed to Heal Swollen Pile Tissues while you shrink them!

In doctors' tests, remarkable *Stainless Pazo*® did more than just "shrink" pile tissues. Pazo stops pain, itching *in minutes!* Medically-proved formula also promotes healing of inflamed tissues — *all without surgery!* For real comfort, get *Stainless Pazo* Suppositories or Ointment at druggists. Get immediate symptomatic relief or money back!

FALSE TEETH STAY TIGHT

For months with amazing new soft plastic sheet liner. Quickly eases sore gums, giving you lasting comfort—eat anything. Easy to use—pure—harmless. Ends daily bother with stickums that don't last. Fills out hollows, making your mouth look and feel younger. Gentle soft pink **PLASTI-CUSHION** will hold dentures tighter longer than anything you ever tried or your money back. Save money and time—send only \$2. for average year's supply or ask for circular.



Plasti-Cushion, Box 85 (OF-59)
East Broad, Elyria, O.

DERMO-G . . . The Amazing Skin Ointment "A MUST IN EVERY HOME"

DERMO-G is an efficient, non-injurious preparation for superficial skin irritations. It is invisible and does not stain and is applied without bandages! DERM-O-G is recommended by physicians and chiropodists and is used in many leading hospitals. DERM-O-G brings blessed relief from PIMPLES, POISON IVY, DIAPER RASH, ATHLETE'S FOOT, HOUSEHOLD BURNS and PILES. Recommended for children. DERM-O-G works wonders and is guaranteed to do what it says or your money back. Sample, 25c; Trial Size, \$1.00; Economy Size, \$3.00. All prices prepaid.

DERMO-G, Inc.

NEW YORK, N. Y.
15 MIDDLE ST., MANCHESTER, N. H.

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First Class Matter may be forwarded from one Postoffice to another without additional postage but other matter must have new postage. Insufficient postage FINE, 5 cents.

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Letters and Written and Sealed Matter, 4 cents for each ounce, local and non-local except that drop letters are subject to 3 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.

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Government Postal Cards, each..... .03

Stamped 4 cent Envelopes No. 8—100—\$4.76, 500—\$23.80, 1000—\$47.60.

Business Reply Cards 5 cents, Business Reply 1 oz. letters six cents.

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(Limit of weight 8 ounces.)

Merchandise, incomplete copies of newspapers, printed and other mailable matter, unsealed, 2 cents for first two ounces, 1 $\frac{1}{2}$ cents each add'l ounce—limit 16.

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 16 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 2 cents a piece in either case. Apply to postmaster for permit. The bulk mailing fee is \$20 per calendar year.

Minimum charge for pieces of odd size or form, 6 cents.

Books, catalogs 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, sections and plants, 2 ounces or fraction 3 cents, each added 2 oz. 2 cents,

Circulars and other miscellaneous printed matter, also merchandise, 3 cents for the first 2 ounces and 1 $\frac{1}{2}$ cent for each additional 2 oz. Limit sixteen ounces.

PARCEL POST. — FOURTH CLASS.

(For Zone consult Post Office)

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 & 2nd	3rd	4th	5th	6th	7th	8th
1st Lb.	12c	13c	14c	15c	17c	18c	19c	20c
Each Add. $\frac{1}{2}$ Lb. (C)	0.75	1.5	2	2.5	3.25	4	5	6

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

Books: 9 cents for the first pound or fraction thereof and 5 cents for each additional pound or fraction thereof—24 or more pages permanently bound, not to exceed 70 pounds in weight. Also includes music, recordings, author's mss.

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. Also includes ptd. music, bound theses, recordings, and other library materials.

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

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

(Continued on Page 87)



"Oh, what relief!"

NEW Soft Plastic Gives
Snug Fit to FALSE TEETH

Give Months of Comfort

Amazing cushion-soft STIX Liners quickly relieve sore, tender gums. You can eat anything! Laugh and talk without embarrassment! Plates stay firmly in place. STIX is *easy to apply, clean, remove*. Molds gently to gums; never hardens. No more messy powders or pastes. No more ill-fitting plates.

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Prove to yourself that STIX soft plastic liners will give your mouth instant new comfort. THOUSANDS OF DELIGHTED USERS have made this discovery. Join them! STIX liners are good for either uppers or lowers. **MONEY BACK IF NOT SATISFIED**. Mail \$1 for 2 STIX liners, 10c postage & handling.

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330 S. Dearborn St., Chicago 4, Ill.



NEW PEP, NEW VITALITY
in just 3 days!

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Are you growing too old too fast? Are FRAYED NERVES, CONSTANT TIREDNESS, NEURITIS-LIKE PAIN, HEADACHES, TENSION and DEPRESSION robbing you of the pleasures of life? You can feel good again! The coupon below can be the answer to your problems. Send it now and get your FREE SAMPLE of a wonderful new formula that is making life worth living for thousands of folks just like yourself. No obligation. No salesman will call. Fill out coupon and mail at once. A VALUABLE FREE SAMPLE will be sent to you. Use it! And in only 3 days you'll discover what it's like to feel really good again.

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Please send me FREE SAMPLE of your new formula.

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and wrinkling your face when you read. Use a Featherweight — the new long-lens magnifier that helps you see better. Its 3¼" lens shows newspaper print a column wide — magnified 2½ times. Helps you read road maps and charts. Weighs only 2 ounces. Black or Blond Onyx. Send check or money order for \$3.95 (postpaid). If not completely satisfied after a 10-day trial, money will be refunded. Edroy Products Co., Dept. A, 480 Lexington Ave., New York 17.

POSTAL RATES (Continued from page 85)

SPECIAL CLASSES. — DOMESTIC MAIL.

Special Delivery: First Class Mail: Each piece under 2 lbs.—30c; over 2 up to 10—45c; over 10 lbs.—60c. Same for air, incl. air p.p.

Parcel Post: Up to 2 lbs.—45c; over 2 up to 10—55c; over 10 lbs.—70c.

Special Handling: Parcel Post only: Up to 2 lbs.—20c; over 2 lbs. up to 10—35c; over 10 lbs.—50c.

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

Registered Mail: Up to \$10.00 indemnity—50c; over \$10.00 up to \$100.00—75c; over \$100.00 up to \$200.00—\$1.00; over \$200.00 up to \$400.00—\$1.25; over \$800.00 up to \$1000.00—\$2.00. There are special surcharges when declared values exceed indemnities—see local Postmaster about these.

Insured Mail: Third and Fourth Class Only: Indemnity up to \$10.00—10c; over \$10.00 up to \$50.00—20c; over \$50.00 up to \$100.00—30c; over \$100.00 up to \$200.00—40c.

C.O.D.: Indemnities up to \$5.00, Registered 80c; Not reg. 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. \$1.20, Non Reg. 80c. (These rates may have changed—query Postmaster.)

Money Orders: Limit for each is One Hundred Dollars. If amount of money order is from 1c to \$5.00 the fee is 15c; from \$5.01 to \$10.00 the fee is 20c; from \$10.01 to \$100.00 the fee is 30c.

Certified Mail: First class only having no value; add 20c to postage plus (a) 10c for ret. receipt showing to whom and when del'd; (b) 35c for whom, when, and address where del'd. Inquiry fee 25c. Obtain blank coupons from Postmaster.

AIR MAIL: On United States Continent

Letters: Seven cents per ounce. Postals five 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
8 oz. up to 1 pound	\$0.60	\$0.65	\$0.70	\$0.75	\$0.75	\$0.80
Each added pound	.48	.50	.56	.64	.72	.80

POSTAL RATES: International

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

Postcards: Surface rate: To Canada and Mexico, 2c each; 4c with reply paid. To all other countries 4c each, 8c with reply paid. Maximum size 6x4¼ inches, minimum size 4x2¼ inches.

Printed Matter.—2 cents for first two ounces or fraction thereof, 1½c each additional 2 oz.

Eight-ounce Merchandise Packages.—Packages of merchandise weighing 8 ounces or less, for the countries named in the table below, 3 cents for first 2 ounces and 2c each additional 2 oz. Do not seal. Mark—"May be Opened for Inspection."

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

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

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

Registration, Insurance, Return Receipts.—For detailed information concerning these services, consult your local Postmaster.

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

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

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

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

Letters and Letter Packages

A. 6 cents: (Per ounce) Canada, Mexico; APO and FPO addresses and U.S. possessions.

B. 10 cents: Central and South America, West Indies, and Bermuda, 10—½ oz.

C. 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.

OTHER INTERNATIONAL AIR SERVICE

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

1. Commercial Papers, Printed Matter, etc.,

Samples (Unsealed)

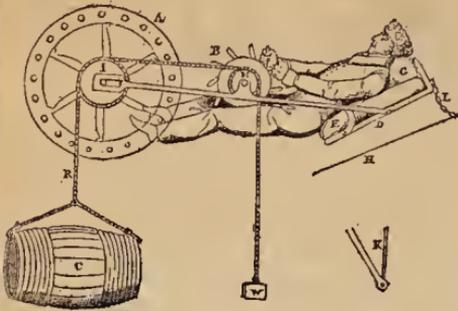
From U. S. to:	First 2 oz.	Ea. Add'1 2 oz.
England	\$0.41	\$0.20
France	.42	.21
Belgium	.42	.21
Italy	.45	.24
Sweden	.45	.24
Egypt	.52	.31

2. Parcel Post

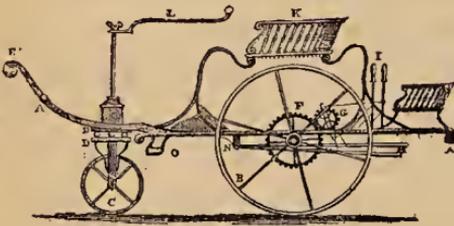
First 4 oz.	Ea. Add'1 4 oz.
\$1.00	\$0.41
1.22	.44
.98	.43
1.08	.50
.85	.49
1.35	.64

Early Inventions

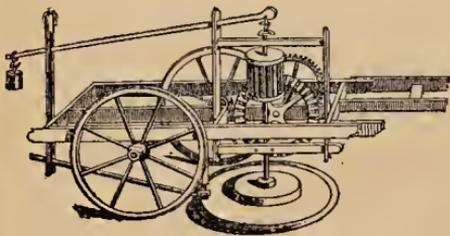
The *Mechanic's Magazine*, October 11, 1823 set forth with drawings (herewith) and descriptions many early inventions, the origins of which seem worth preserving here. Beginning with the top drawing to the left we see a proposed application of human strength to the greatest possible advantage; feet, arms, legs, and back being brought to bear against the lifting of the barrel.



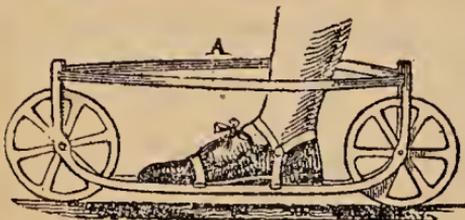
Next, is the so-called "Pedomotive Carriage" which travelled the highways at 8 miles per hour propelled only by the two levers seen at the rear, carrying the operator and two other passengers. Mr. K. W., the Welsh inventor, remarks of his invention, "I found my expenses greater than my receipts and was thus forced to give it up."



Rotary mowers, all the rage today, were evidently not unknown over 150 years ago. This one, pulled by horses, has six horizontal scythes in the rotary, driven by various cogs attached to a fixed axle, left cart wheel and free moving right cart wheel placed about a foot to the rear of the left one.



The fire cart contains six "engines," each one charged with an antiphlogistic fluid. The successive discharge of these "engines" was designed to hold the fire until the regular engines arrived. Pearl ash dissolved 20 to 1 with water enabled the cart to carry the equivalent of $1\frac{1}{2}$ tons of common water extinguishment value.

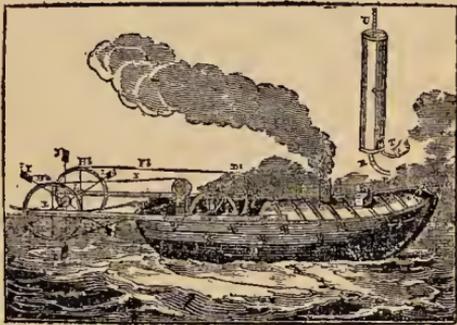


Finally, on this page, the velocipedestrian attached this instrument (wheels about six inches diameter) to one foot, and pushed with the other. "Suitable for any tolerably smooth road."

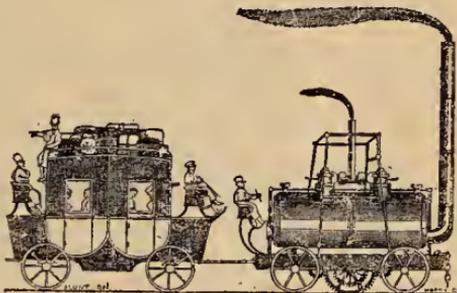
A volume by Giovanni Branca, published in Italy, carried this drawing of the first steam engine, the invention of which is attributed to the English Marquis of Worcester as of 1663 while a prisoner in the Tower of London. This device, with safety valve, blew steam hard enough at the wheel to give motion to two mortar pestles.



The first steamboat originated Dec. 21, 1736, with one Jonathan Hulls. The latter issued a pamphlet in 1737 to the effect that it was unfortunate that anyone advancing a new and useful scheme for the benefit of the public often met with only "ridicule and contempt."



This first railway proposal (published in 1823) states that the upkeep of the 100,000 horses then needed for stage coaches was costing close to fifteen million dollars a year. A railway would eliminate, for instance the 25 changes of the four horses (100 horses in all) to carry a coach from London to Edinburg. A cog rail was to be placed between two iron rails to "impel by steam power the caravans, waggons, and coaches." This would exclude the use of horses and thereby preserve the railroads from "the destruction and continual delapidation attendant upon the use of horses."



This engraving of John Baptist Dante (relative of the poet) by Craig and Sears reveals man's first successful "imitation of the fowls of the air." Dante fitted a pair of wings so exactly to his body he could fly. After several flights over Lake Traseminus, he took off before the assembled citizenry of Perugia — only, through the failure of one of the wings, to "fall on a church steeple and break his thigh." The date, not given, we take it was in the early 1700's.





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Take inches off your waistline, feel like you've taken years off your age! SLIM-R's broad, powerful elastic belt pulls in sagging stomach muscles, holds internal organs in proper position. Improved posture relieves back strain, clears up painful backache almost instantly. No-gouge stays prevent wrinkling, rolling. Detachable pouch for easy laundering. Elastic fabric "gives" with body movement—no corset-like pressure. 30-day money-back guarantee. Order today—next best thing to the fountain of youth! Send waist measure. Check or money order. \$4.98 postpaid. Buy two—one for change-off—and get a third pouch support FREE.

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NEW YORK—Special: Thanks to new, scientific laboratory formulation, thousands of men and women now escape feeling old, tired, irritable and depressed from losing sleep and worrying about "Bladder Weakness"—too frequent, burning and itching urination, Bed Wetting, Getting Up Nights—or Strong Cloudy Urine, due to common Kidney or Bladder Irritations, which often result in secondary Backache, Headache and Nervousness. In such cases *New Improved CYSTEX* usually gives quick, calming relief by combating irritating germs in acid urine; and by relaxing, analgesic pain relief. Over a billion CYSTEX tablets used—proves safety and success. Get Laboratory Tested and Certified CYSTEX at druggist today. See how much better you feel tomorrow. Money back guarantee.

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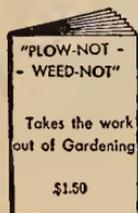
If a weed don't grow, neither will anything else.

Also many E-Z helpful handy gardening tips.

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"PLOW-NOT -
- WEED-NOT"

Takes the work
out of Gardening

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GLOSSARY OF ASTRONOMICAL TERMS, ETC.

- 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.
- Conj.** — conjunction . . . moment of closest approach to each other of any two heavenly bodies.
- 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.
- El.** — elongation . . . apparent angular distance of a member of the solar system from the Sun as seen from the Earth.
- Inf.** — Inferior . . . Inferior conjunction is when the Planet is between the Sun and the Earth.
- Moon Runs High or Low** . . . day of month Moon Souths highest or lowest above the horizon.
- Opposition** . . . time when Sun, and Moon or Planet appear on opposite sides of the sky (elongation 180 degrees).
- Peri.** — Perigee . . . Moon reaches point in its orbit closest to Earth.
- Peri.** — Perihelion . . . Planet revolving about the Sun reaches point in its orbit closest to 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.
- 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.
- Underground Moon** . . . one which changes its phases between 12 M. and 1 A.M.



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STRIKE CRAZY!**

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a tube
3 for \$2.50

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half alive!

better,
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Colorful 9" stoneware plate carries Junior's full name, design, date of birth, city, hour of birth, and exact weight. (Illustrated with a clock and a scale) — all hand-painted under glaze and fired in for permanence. A gift they'll cherish for years. Send necessary information; safe delivery guaranteed. 4 weeks delivery. \$4.25 postpaid. No C.O.D.'s.



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... then you'll be happy to know how we have improved the hearing and relieved those miserable ear noises, caused by catarrh of the head, for thousands of people (many past 70) who have used our simple Elmo Palliative Home Treatment. This may be the answer to your prayer. NOTHING TO WEAR. Here are SOME of the symptoms that may likely be causing your catarrhal deafness and ear noises: Head feels stopped up from mucus. Dropping of mucus in throat. Hawking and spitting. Mucus in nose or throat every day. Hearing worse with a cold. Hear — but don't understand words. Hear better on clear days. Worse on rainy days. Ear noises like crickets, bells, whistles, clicking, escaping steam or others. If your condition is caused by catarrh of the head, you, too, may enjoy wonderful relief such as others have reported during our past 20 years. WRITE TODAY FOR PROOF OF RELIEF AND 30 DAY TRIAL OFFER.



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I'LL PUT UP THE MONEY TO GIVE YOU A FLYING START!



I GIVE PRODUCERS THEIR OWN SHOES AS A BONUS!

OLD-FASHIONED PUZZLES

For Answers see page 107

I

Central Syncopations and Remainders

Each of the words described contain five letters and the syncopated letters, placed in order here given, spell a kindly phrase.

1. Syncopate continued pains and leave units on cards or dice.
2. Syncopate a step for ascending and leave a commotion.
3. Syncopate very swift and leave a sudden invasion.
4. Syncopate desires and leave instruments used by farmers.
5. Syncopate the surname of the author of "Home Sweet Home" and leave a sheet of glass.
6. Syncopate a weapon of warfare and leave to fasten with a string.
7. Syncopate "the staff of life" and leave a kind of nail.
8. Syncopate pledges and leave shallow dishes.
9. Syncopate the surname of an able American general, sometimes called "Mad Anthony," and leave to decrease.
10. Syncopate a pointed weapon and leave part of a ship.
11. Syncopate the sea-shore and leave the price paid.
12. Syncopate restrains and leave young animals of a certain kind.

II

Easy Cross-Word Enigma

My first is in jug, but not in bottle;
 My second in valve, but not in throttle;
 My third is in pine, but not in oak;
 My fourth is in fun, but not in joke;
 My fifth in naughty, and not in good;
 My sixth in breakfast, but not in food;
 My seventh in trays, but not in dishes.
 My whole is a time to exchange good wishes.

III

Numerical Enigma, For Wee Puzzlers

My whole has eight letters and names a big animal. My 1-2-2 is a measure of length. In my 2-3-7-8 comes the day for hot cross-buns. My 4-3-8 is to fondle. My 5-6-8 is for the head.

IV

Double Acrostic

Complete the following sentences with words, each of which is to contain as many letters as there are stars printed in its place. These words, in the order given, form the double acrostic.

The initials spell the name of a famous American philosopher; the finals, what he was called in London on account of his temperance principles. Each of the sentences, when complete, describes one of his characteristics.

1. In argument he was hard to ****.
2. Few on ***** have won wider fame.
3. His **** was universally honored.
4. His conversation was not like the chatter of a *****.
5. The ***** of wine never tempted him.
6. He was an inventor of much *****.
7. His *** was roused by dishonest practices.
8. He ***** was intoxicated.
9. In argument he sent off an opponent with "a **** in his ear."
10. He used no *** nor brandy.
11. He was not afraid to ***** for the right.
12. He ***** scorned those who were unfortunate.
13. He was as firm as a Turkish ****, when he took his stand.
14. He was noted for ***** sentences.
15. His mind grasped and held an **** until possessed of its full value.
16. His death was mourned by a *****.

V

Anagrams: Famous Poems and Their Authors

In the following anagrams, the letters of the titles of the poems are not mingled with the letters which form the authors' names: thus, Ether Van, by Deau Rolla Peag, is an anagram on "The Raven," by Edgar Allan Poe.

1. Her India Dress, by Athan Coburn Ashmead.
2. The Egg of Heibrigt Cathedral, by Fenton S. Darnley.
3. How The Elf Hated Forest, by Wilbur Allyn McAlpine.
4. Music of Merry Poet, by Celia C. Ray.
5. Stoket Children at School, by Rowland Worthney Howell.

VI

Three Numerical Diamonds

		1		
	1	2	3	
1	2	3	4	5
	3	4	5	
		5		

I. 1. In March. 2. A covered carriage. 3. A pioneer's dwelling. 4. A large wooden box. 5. In cachinnation.

II. 1. In March. 2. What Marcus Brutus was. 3. Land belonging to a nobleman. 4. A negative connective. 5. In March.

III. 1. In March. 2. A vehicle. 3. A measure of weight. 4. A rodent. 5. In frost.

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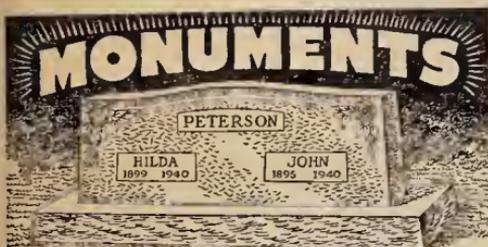
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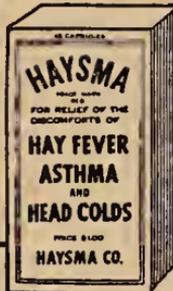
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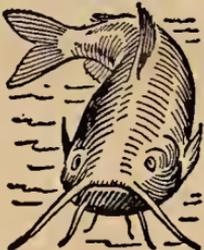
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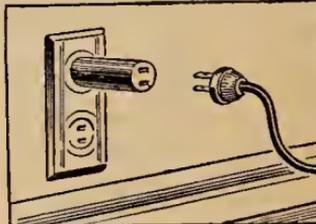


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WEATHER TABLE,

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 pages 8 and 9 and on the right hand pages of the *Farm Calendars*, 17 through 39 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 8, 9, 17-39, 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.

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

The times given on the left hand calendar pages (16 to 38) 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 100 and 101.

Opposite the times given on the left hand calendar pages (16-38) 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 100 and 101 you will find columns for each of these letters as well as a number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 16-38.

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

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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	☾
	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 10 are read directly from columns 4 and 6 on page 22. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on pages 100-1 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

BOSTON			PITTSBURGH, PA.		
Sunrise	5:12	A.M.E.S.T.	Sunrise (Boston)	5:12	A.M.E.S.T.
Key Letter		G	Correction (Column G, page 101)	+38	
			unrise (Pittsburgh)	5:50	A.M.E.S.T.
Sunset	6:20	P.M.E.S.T.	Sunset (Boston)	6:20	P.M.E.S.T.
Key letter		K	Correction (Column K, page 100)	+33	
			Sunset (Pittsburgh)	6:53	P.M.E.S.T.

Sun Fast. The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 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 100 or 101.

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

BOSTON		PITTSBURGH, PA.	
Length of day	13h 11m	Sunset (Pittsburgh)	6:53 P.M.
(From calendar page 22, April 11.)		Sunrise (Pittsburgh)	5:50 A.M.
		Length of Day	13h 2m

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 3 on pages 100, 101 must be applied.

BOSTON		PITTSBURGH	
Moonrise	9.42 P.M. E.S.T.	Moonrise (Boston)	9.42 P.M.
Key letter	M	Correction (Column M, page 100)	+ :31
April 25		Correction (Column 3, page 100)	+ :01
Page 22			
Moonset	6.49 A.M. E.S.T.	Moonrise (Pittsburgh)	10.41 P.M., E.S.T.
Key Letter	E	Moonset (Pittsburgh)	7.30 A.M. E.S.T.

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

Moon Souths. It will be noted that this year this Almanac has omitted the usual "Moon Souths" column in favor of including full continuous columns (pages 16-38) on both "Moonrise" and "Moonset". The "Moon Souths" column seemed to serve but little purpose except that of an astrological nature; to wit, at what time the moon is in the astrological sign indicated in the next to last column pages 16-38. On the other hand, the extra moonrise and moonset information would seem to be in some demand—especially among fishermen. The "Moon Souths" times are easily calculated, however, from information given on page 7.

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 10. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 98.

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 10	PITTSBURGH, PA. (Latitude 40° 26' N.)
Sunrise	5.12 A.M.		Sunrise (see pg 98) 5.50 A.M.
Subtract length of twilight (Column 3 of table)	1:39		Subtract length of twilight (Column 3 of table) 1:39
Dawn breaks	3.33 A.M.E.S.T.		Dawn breaks 4.11 A.M., E.S.T.
Sunset	6.20 P.M.		Sunset (see pg 98) 6.53 P.M.
Add length of twilight	1:39		Add length of twilight 1:39
Dark descends	7.59 P.M.E.S.T.		Dark descends 8.32 P.M., E.S.T.

LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.

Add to time of sunset for dark.

Latitude	25°N	31°N	37°N	43°N	48°N
	to 30°N	to 36°N	to 42°N	to 47°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

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 page 98. Column keyletters refer to pages 7, 10, 16-38.)

City	Latitude	Longitude	Time used	Your town (interpolate between nearest two in your time zone) SUBTRACT OR ADD these minutes to Almanac times given (pages 12-34).													Q					
				A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	m	m	
Amarillo, Texas...	35 12 27	101 50 04	CST	+88	+85	+82	+78	+74	+70	+66	+63	+59	+55	+51	+48	+44	+40	+37	+33	+30	+4	+30
Atlanta, Ga.....	33 45 10	84 23 37	EST	+87	+84	+80	+75	+71	+66	+62	+57	+53	+48	+44	+39	+35	+31	+27	+23	+19	+2	+19
Augusta, Ga.....	33 28 20	81 58 00	EST	+79	+75	+71	+66	+62	+57	+52	+48	+43	+39	+34	+29	+25	+20	+16	+12	+8	+2	+8
Baltimore, Md.....	39 17 26	76 36 45	EST	+36	+34	+32	+31	+29	+27	+25	+24	+22	+20	+19	+17	+15	+13	+12	+10	+8	+1	+8
Beaumont, Tex.....	30 05 20	94 06 09	CST	+78	+73	+68	+62	+65	+49	+43	+37	+31	+25	+19	+13	+7	+1	-4	-10	-15	+3	+3
Birmingham, Ala...	33 21 01	86 48 36	CST	+38	+34	+30	+25	+21	+16	+11	+7	+2	-2	-7	-11	-16	-20	-24	-28	-33	+2	+2
Canton, Ohio.....	40 47 50	81 22 37	EST	+44	+47	+46	+44	+44	+44	+43	+42	+41	+40	+39	+39	+38	+37	+36	+35	+34	+1	+34
Charleston, S. C.....	32 46 35	79 55 53	EST	+73	+69	+64	+60	+54	+49	+44	+40	+35	+30	+25	+20	+15	+11	+6	+2	-3	+1	-3
Charleston, W. Va.....	38 21 01	81 37 52	EST	+59	+57	+55	+53	+51	+48	+46	+44	+42	+40	+37	+35	+33	+31	+29	+27	+25	+1	+25
Chicago, Ill.....	41 52 28	87 38 22	CST	+9	+8	+8	+8	+7	+7	+7	+7	+6	+6	+6	+5	+5	+5	+4	+4	+4	+2	+4
Cincinnati, Ohio...	39 06 07	84 30 35	EST	+68	+66	+65	+63	+61	+59	+57	+55	+54	+52	+50	+48	+46	+45	+43	+41	+39	+2	+39
Columbia, S. C.....	34 00 02	81 02 00	EST	+73	+70	+66	+61	+57	+52	+48	+44	+39	+35	+31	+26	+22	+18	+14	+10	+6	+1	+6
Columbus, Ga.....	32 28 07	84 59 24	EST	+94	+90	+85	+80	+75	+70	+65	+60	+55	+50	+45	+40	+35	+30	+26	+21	+17	+2	+17
Columbus, Ohio.....	39 57 47	83 00 17	EST	+58	+57	+56	+54	+53	+52	+50	+49	+47	+46	+45	+43	+42	+41	+39	+38	+37	+2	+37
Corpus Christi, ?x	27 47 51	97 23 45	CST	+103	+98	+91	+83	+75	+68	+60	+52	+45	+37	+29	+21	+14	+6	0	-7	-14	+4	+4
Dallas-Ft. Worth...	32 47 09	96 47 37	CST	+81	+78	+73	+68	+63	+58	+53	+48	+43	+38	+33	+28	+23	+19	+14	+10	+5	+4	+5
Denver, Colo.....	39 44 58	104 59 22	MST	+27	+26	+23	+23	+21	+20	+18	+17	+16	+14	+13	+11	+10	+8	+7	+6	+4	+5	+4
Des Moines, Iowa...	41 35 14	93 37 00	CST	+34	+34	+33	+33	+32	+31	+31	+30	+30	+28	+28	+28	+28	+27	+27	+27	+26	+3	+26
Detroit, Michigan...	42 19 48	83 02 57	EST	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+48	+2	+48
*Durham, N. C.....	36 00 00	78 54 45	EST	+58	+56	+52	+48	+45	+41	+38	+34	+31	+28	+24	+21	+17	+14	+11	+8	+5	+1	+5
Evansville, Ind.....	37 58 20	87 34 21	CST	+25	+23	+20	+18	+15	+13	+11	+8	+6	+3	+1	-1	-4	-6	-8	-11	-13	+2	+2
Galveston, Tex.....	29 18 10	94 47 43	CST	+84	+79	+73	+67	+61	+54	+48	+41	+35	+29	+23	+16	+10	+4	-1	-7	-13	+3	+3
*Hamilton, Ohio.....	39 24 00	84 33 00	EST	+66	+65	+63	+61	+60	+58	+56	+55	+53	+52	+50	+48	+47	+45	+44	+42	+40	+2	+40
Hartford, Ct.....	41 46 12	72 40 49	EST	+10	+9	+9	+8	+8	+8	+7	+7	+7	+6	+6	+5	+5	+5	+4	+4	+4	+0	+4
Indianapolis, Ind...	39 46 07	86 09 46	CST	+12	+11	+9	+8	+6	+5	+3	+2	0	-1	-3	-4	-6	-7	-8	-10	-11	+2	+2
Jackson, Miss.....	32 17 56	90 11 06	CST	+55	+51	+47	+42	+36	+31	+26	+21	+16	+11	+6	0	-5	-9	-14	-18	-23	+3	+3
Jacksonville, Fla...	30 19 44	81 39 42	EST	+87	+83	+77	+71	+65	+59	+53	+47	+42	+36	+30	+24	+18	+12	+7	+2	-4	+1	-4



Little Rock, Ark...	34 44 42	92 16 37	CST	+ 55	+ 52	+ 48	+ 44	+ 40	+ 36	+ 32	+ 28	+ 24	+ 21	+ 17	+ 13	+ 9	+ 5	+ 1	- 2	- 6	+ 3
Los Angeles, Cal...	32 03 15	118 14 28	PST	+ 41	+ 38	+ 34	+ 30	+ 25	+ 21	+ 17	+ 12	+ 8	+ 4	- 1	- 5	- 9	- 13	- 17	- 21	- 25	+ 7
Macon, Georgia...	32 50 12	83 73 36	CST	+ 88	+ 84	+ 79	+ 74	+ 69	+ 64	+ 60	+ 55	+ 50	+ 45	+ 40	+ 35	+ 30	+ 26	+ 21	+ 17	+ 12	+ 2
Madison, Wis...	43 04 23	89 22 55	CST	+ 10	+ 11	+ 11	+ 12	+ 12	+ 12	+ 13	+ 13	+ 14	+ 14	+ 15	+ 15	+ 16	+ 16	+ 16	+ 17	+ 17	+ 3
Memphis, Tenn...	35 08 46	90 03 10	CST	+ 45	+ 42	+ 38	+ 34	+ 31	+ 27	+ 23	+ 19	+ 15	+ 12	+ 8	+ 4	+ 0	- 4	- 7	- 10	- 14	+ 3
Miami, Fla...	25 46 37	80 11 32	EST	+ 95	+ 90	+ 83	+ 75	+ 67	+ 59	+ 51	+ 44	+ 36	+ 28	+ 20	+ 13	+ 5	- 2	- 9	- 16	- 23	+ 1
Mobile, Ala...	30 41 36	88 04 33	CST	+ 52	+ 48	+ 42	+ 36	+ 31	+ 25	+ 19	+ 13	+ 7	+ 2	- 4	- 10	- 16	- 21	- 26	- 31	- 37	+ 2
Montgomery, Ala...	32 22 33	86 18 31	CST	+ 40	+ 36	+ 31	+ 26	+ 21	+ 16	+ 11	+ 5	+ 0	- 5	- 10	- 15	- 20	- 25	- 29	- 34	- 38	+ 2
Nashville, Tenn...	36 09 33	86 46 55	CST	+ 29	+ 26	+ 23	+ 19	+ 16	+ 12	+ 7	+ 2	+ 0	- 3	- 6	- 11	- 14	- 17	- 20	- 23	+ 2	
New Haven, Ct...	41 18 25	72 55 30	EST	+ 9	+ 9	+ 9	+ 8	+ 8	+ 7	+ 7	+ 7	+ 6	+ 6	+ 6	+ 5	+ 4	+ 4	+ 4	+ 3	+ 0	
New Orleans, La...	29 56 53	90 04 10	CST	+ 63	+ 58	+ 52	+ 46	+ 40	+ 34	+ 28	+ 21	+ 15	+ 9	+ 3	+ 0	- 8	- 15	- 20	- 26	- 31	+ 3
New York, N. Y...	40 45 06	73 59 39	EST	+ 18	+ 17	+ 16	+ 15	+ 14	+ 13	+ 12	+ 12	+ 11	+ 10	+ 9	+ 8	+ 8	+ 7	+ 6	+ 5	+ 4	+ 0
Norfolk, Va...	36 51 10	76 17 21	EST	+ 44	+ 42	+ 39	+ 36	+ 33	+ 30	+ 27	+ 24	+ 21	+ 18	+ 15	+ 12	+ 9	+ 7	+ 4	- 1	- 2	+ 1
Oklahoma City...	35 28 26	97 31 04	CST	+ 74	+ 71	+ 67	+ 64	+ 60	+ 56	+ 53	+ 49	+ 45	+ 42	+ 38	+ 34	+ 31	+ 27	+ 24	+ 21	+ 17	+ 4
*Ottawa, Ontario...	45 31 +	76 43 -	EST	+ 27	+ 25	+ 23	+ 22	+ 20	+ 19	+ 19	+ 19	+ 16	+ 15	+ 13	+ 12	+ 11	+ 9	+ 8	+ 7	+ 5	+ 1
Philadelphia, Pa...	39 56 58	75 09 21	EST	+ 27	+ 26	+ 25	+ 23	+ 22	+ 20	+ 19	+ 19	+ 16	+ 15	+ 13	+ 12	+ 11	+ 9	+ 8	+ 7	+ 5	+ 1
Phoenix, Arizona...	33 27 12	112 04 28	MST	+ 79	+ 75	+ 71	+ 67	+ 62	+ 57	+ 53	+ 48	+ 44	+ 39	+ 34	+ 30	+ 25	+ 21	+ 17	+ 13	+ 8	+ 6
Pittsburg, Pa...	40 26 19	80 00 00	EST	+ 44	+ 43	+ 42	+ 41	+ 40	+ 39	+ 38	+ 37	+ 36	+ 35	+ 33	+ 32	+ 31	+ 30	+ 29	+ 28	+ 27	+ 1
Portland, Maine...	43 39 33	70 15 19	EST	+ 9	+ 8	+ 8	+ 7	+ 6	+ 5	+ 4	+ 4	+ 3	+ 2	+ 1	+ 1	+ 0	+ 1	+ 2	+ 2	+ 3	0
Pueblo, Colo...	38 16 17	104 36 33	MST	+ 32	+ 30	+ 28	+ 25	+ 23	+ 21	+ 18	+ 16	+ 14	+ 12	+ 10	+ 7	+ 5	+ 3	+ 1	+ 1	+ 3	+ 5
Richmond, Va...	37 32 15	77 26 09	EST	+ 47	+ 44	+ 41	+ 38	+ 36	+ 33	+ 30	+ 28	+ 25	+ 22	+ 20	+ 17	+ 15	+ 12	+ 10	+ 7	+ 5	+ 1
Sacramento, Cal...	38 34 57	121 29 41	PST	+ 38	+ 36	+ 34	+ 32	+ 30	+ 28	+ 26	+ 24	+ 22	+ 20	+ 17	+ 15	+ 13	+ 11	+ 9	+ 7	+ 5	+ 7
St. Louis, Mo...	38 37 45	90 12 22	CST	+ 33	+ 32	+ 30	+ 28	+ 25	+ 23	+ 21	+ 19	+ 17	+ 15	+ 13	+ 11	+ 9	+ 7	+ 5	+ 3	+ 1	+ 3
Salt Lake City, Utah	40 45 23	111 53 26	MST	+ 50	+ 50	+ 49	+ 48	+ 47	+ 46	+ 45	+ 44	+ 43	+ 42	+ 41	+ 40	+ 40	+ 39	+ 38	+ 37	+ 36	+ 4
San Antonio, Tex...	29 25 37	98 29 06	CST	+ 95	+ 90	+ 85	+ 78	+ 72	+ 66	+ 60	+ 54	+ 48	+ 41	+ 35	+ 29	+ 23	+ 17	+ 12	+ 6	+ 1	+ 4
San Diego, Cal...	32 42 53	117 09 21	PST	+ 42	+ 38	+ 33	+ 29	+ 24	+ 19	+ 14	+ 9	+ 4	- 1	- 6	- 11	- 16	- 20	- 24	- 29	- 33	+ 6
San Francisco, Cal...	37 46 39	122 24 40	PST	+ 44	+ 42	+ 40	+ 38	+ 35	+ 33	+ 30	+ 28	+ 25	+ 23	+ 20	+ 18	+ 15	+ 13	+ 11	+ 8	+ 6	+ 7
San Jose, Cal...	37 20 16	121 53 24	PST	+ 45	+ 42	+ 40	+ 37	+ 34	+ 31	+ 28	+ 26	+ 23	+ 21	+ 19	+ 16	+ 14	+ 12	+ 10	+ 8	+ 6	+ 7
Savannah, Ga...	32 04 42	81 05 37	EST	+ 80	+ 76	+ 71	+ 66	+ 60	+ 55	+ 50	+ 45	+ 40	+ 34	+ 29	+ 24	+ 19	+ 14	+ 9	+ 5	+ 0	+ 1
Seattle, Wash...	47 36 32	122 20 12	PST	+ 2	+ 1	+ 4	+ 8	+ 12	+ 15	+ 19	+ 22	+ 26	+ 30	+ 32	+ 36	+ 39	+ 43	+ 47	+ 50	+ 53	+ 7
Springfield, Ohio...	39 55 38	83 48 29	EST	+ 63	+ 62	+ 60	+ 59	+ 57	+ 56	+ 55	+ 53	+ 52	+ 50	+ 49	+ 47	+ 46	+ 45	+ 43	+ 42	+ 40	+ 2
Spokane, Wash...	47 39 32	117 25 33	PST	+ 22	+ 19	+ 16	+ 12	+ 8	+ 4	+ 1	+ 3	+ 6	+ 9	+ 13	+ 16	+ 20	+ 23	+ 26	+ 30	+ 34	+ 6
Stockton, Cal...	37 57 30	121 17 16	PST	+ 44	+ 42	+ 39	+ 37	+ 34	+ 32	+ 29	+ 27	+ 25	+ 22	+ 20	+ 17	+ 15	+ 13	+ 10	+ 8	+ 6	+ 7
Tacoma, Wash...	47 14 59	122 26 15	PST	+ 1	+ 3	+ 6	+ 10	+ 13	+ 17	+ 20	+ 23	+ 26	+ 29	+ 32	+ 35	+ 39	+ 42	+ 45	+ 48	+ 52	+ 7
Tampa, Fla...	27 56 58	82 27 25	EST	+ 99	+ 94	+ 87	+ 80	+ 73	+ 66	+ 59	+ 52	+ 45	+ 38	+ 31	+ 24	+ 17	+ 11	+ 5	- 1	- 8	+ 2
Washington, D.C...	38 53 51	77 00 33	EST	+ 39	+ 37	+ 36	+ 34	+ 32	+ 30	+ 28	+ 26	+ 24	+ 22	+ 20	+ 18	+ 16	+ 14	+ 12	+ 10	+ 8	+ 1
Wilmington, Del...	39 44 46	75 32 51	EST	+ 29	+ 28	+ 27	+ 25	+ 24	+ 22	+ 21	+ 19	+ 18	+ 16	+ 15	+ 14	+ 12	+ 11	+ 9	+ 8	+ 6	+ 1
*Winnipeg, Man...	49 51 -	96 -	CST	+ 2	+ 7	+ 13	+ 19	+ 25	+ 30	+ 35	+ 40	+ 45	+ 50	+ 55	+ 60	+ 66	+ 71	+ 76	+ 82	+ 89	+ 4

* Scaled from maps.

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 16-38 are the times of high tide at Commonwealth Pier in Boston Harbor. The heights of these tides are given on the right hand pages 17-39. The heights are reckoned from Mean Low Water; each day has a set of figures—upper for the morning—and lower for the evening. The conversion of the times of the tides at Boston to those of Miami is given by way of illustration.

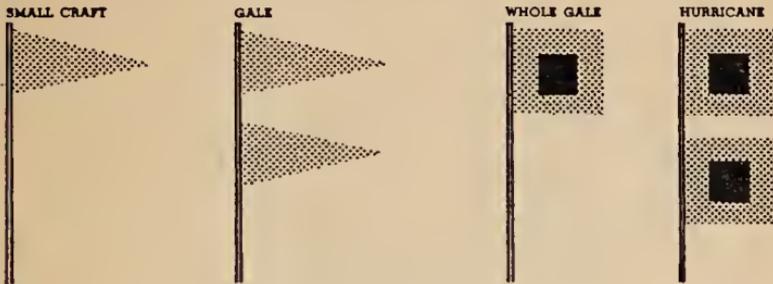
Example: Apr. 16. See page 22, column 10, for time; page 23 for height.

BOSTON		MIAMI	
High Tide (from page 22)	4.45 A.M.E.S.T.	High tide (Boston)	4.45 A.M.
April 16		Correction above	-3.00
Height (from page 23)	9.0 feet	High tide (Miami)	1.45 A.M.E.S.T.
		Height (Miami)	2.7 feet
		(9.0 x 0.3)	

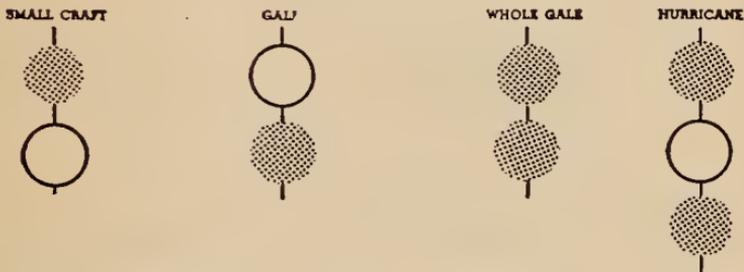
THE NEW STORM WARNING SIGNALS

SMALL CRAFT, GALE, WHOLE GALE AND HURRICANE WARNINGS

DAYTIME SIGNALS



NIGHT SIGNALS



EXPLANATION: The above storm warning signals will be displayed in the event of danger at most important Coast Guard Stations, Bases and Depots on all United States seacoasts during the day and at many during both day and night.

SMALL CRAFT WARNING: One red pennant displayed by day and a red light over a white light at night to indicate winds up to 38 miles an hour (33 knots) and/or sea conditions dangerous to small craft operations are forecast for the area.

GALE WARNING: Two red pennants displayed by day and a white light above a red light at night to indicate winds ranging from 39 to 54 miles an hour (34 to 48 knots) are forecast for the area.

WHOLE GALE WARNING: A single square red flag with a black center displayed during daytime and two red lights at night to indicate winds ranging from 55 to 73 miles per hour (48 to 63 knots) are forecast for the area.

HURRICANE WARNING: Two square red flags with black centers displayed by day and a white light between two red lights at night to indicate that winds 74 miles per hour (64 knots) and above are forecast for the area.

BROADCAST SCHEDULES OF MARINE WEATHER FORECASTS AND WARNINGS BY MARINE RADIOTELEPHONE STATIONS

		KC	
Boston, Mass.	WOU	2506	Daily 5:20 am & pm 6:20 am
		2450	11:20 am & pm.
New York, N. Y.	WOX	2482-2590	2522 Daily 7:15 am & pm.

SPECIAL STORM AND HURRICANE WARNING BROADCASTS

		KC	
Boston, Mass.	NMF	2694	On receipt and at 11:20 am or pm.
Boston, Mass.	WOU	2506	On receipt and 30 minutes past
		2450	each odd hour while the warning
			is in effect.
New York, N. Y.	NMY	2662	On receipt and at 11:50 am or pm.
New York, N. Y.	WOX	2522	On receipt and at 15 minutes past
		2590	each odd hour (winter) and even
		2482-	hour (summer) while the warning
			is in effect.

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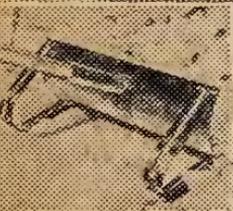
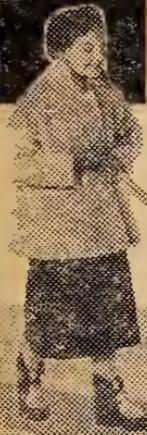
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For that new born baby of Uncle Jim or Aunt Sue—or even for Gramp—or Ma—a Life subscription to this Almanac would be much appreciated. Send Seven Dollars. Yankee, Inc., Dublin, N. H.

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ANSWERS TO OLD-FASHIONED PUZZLES

(Page 93)

I

Central Syncopations and Reminders. — Happy New Year. 1. AcHes. 2. StAir. 3. RaPid. 4. HoPes. 5. PaYne. 6. LaNce. 7. BrEad. 8. PaWns. 9. WaYne. 10. SpEar. 11. CoAst. 12. CuRbs.

II

Easy Cross-Word Enigma. — January.

III

Numerical Enigma. — Elephant.

IV

Double Acrostic. — Initials, Benjamin Franklin. Finals, The Water American.

V

Anagrams. — 1. Sheridan's Ride, by Thomas Buchanan Read. 2. The Charge of the Light Brigade, by Alfred Tennyson. 3. The Death of the Flowers, by William Cullen Bryant. 4. Pictures of Memory, by Alice Cary. 5. The Old Clock on the Stairs, by Henry Wadsworth Longfellow.

VI

Three Numerical Diamonds. I. 1. C. 2. CAB 3. CaBin. 4. BIn. 5. N. II. 1. M. 2. MAn. 3. MaNor. 4. NOr. 5. R. III. 1. C. 2. CAR. 3. CaRat. 4. RAT. 5. T.

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OUR MAN IN THE MOON

(Continued from Page 48)

for their entire planet. There are cities here and there of weird temples, all with landing platforms at each apartment for my winged friends. These are mostly yellow metal. And, strangely enough, animals and people live and mingle together freely. One of my newly made friends is a tall white stag with ebony antlers. He brings me every evening at sundown a great horn he picked up somewhere and won't go away until I have blown him my version on it of 'taps.'

"If you could arrange to get here, Mr. Thomas, I feel certain you could establish a wonderful publication business. None of these people have apparently ever heard of the earth or satellites or H-bombs or DDT or marriage or divorce or automobiles or even of the television, movies or radio. I will, of course, see if I cannot dispatch to you with my next a set of the wings these people have — or perhaps I can persuade one of the more athletic types to fly in for you. In the meanwhile, my fond regards,

Yours very truly,
J. SENECA SMELK"

Editor's Note: It is with no difficulty we accept the above as credible. It verges closely on the supposed findings of Dr. Herschel about the moon published in the New York Sun in 1836. However, in view of recent reports from the *American* satellites, Explorer I and II, that only 600 miles above the earth there exists an area of intense radiation which no outer space passenger could possibly survive unless enclosed in heavy lead armor, we have our misgivings about any personal visit on the moon with correspondent Smelk. It is possible, however, that Smelk's moon people have developed an immunity to this radiation and have means of adapting it to such as ourselves. This must remain for now purely a matter of conjecture.

FULL MOON DAYS — 1959, 1960, 1961, 1962

(Listed below in that order.)

Jan. 24 — 13 — 1, 31 — 20	July 20 — 8 — 27 — 17
Feb. 23 — 12 — — 19	Aug. 18 — 7 — 26 — 15
Mar. 24 — 13 — 2, — 21	Sept. 17 — 5 — 24 — 14
Apr. 23 — 11 — 1, 30 — 19	Oct. 16 — 4 — 23 — 13
May 22 — 11 — — 30 — 19	Nov. 15 — 3 — 22 — 11
Jun. 20 — 9 — — 28 — 18	Dec. 15 — 3 — 22 — 11

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WATE-ON

DOGS KNOW BEST?

For some years now we have enjoyed the companionship of a large mongrel setter retriever called "Chippy." He has rarely been ill in his 14 years but at times has refused his supper for as many as 3 nights in a row. In his own way he has cured cuts, bruises, sore paws, and whatever.

During walks in the woods with him we have often noticed his predilection for a meal at rotted stumps. We have seen him chew and swallow decaying matter in a forest floor. Finally we determined to catch him at this practise and submit the meal or decayed matter similar to it for analysis.

Skinner & Sherman, well known Boston chemists, report thus on our samples:

"These contain bacterium *B subtilis* and the fungus *Aspergillus Flavus*. Both are commonly found in all forms of decaying matter and have no unusual nutritional or medicinal properties."

Saints & Angels

For some years now we have felt this Almanac's readers would enjoy closer association with some of the Saints so often mentioned in its pages.

So in looking over H. P. Brewster's "Saluts and Festivals" (1904) we have collected a few for this edition. The woodcuts were taken from ancient manuscripts or books in libraries abroad.

St. Nicholas

Patron of sailors and schoolboys, this Saint is said to have brought to life three children which a mean landlord had carved up in a tub for pickling as pork. Also, he saved three daughters from a sinful course by tossing purses of gold at night into the father's room. Over 375 churches in England are dedicated to him. His day is December 6th. Sometimes he is shown with 3 gold balls, the modern pawnbroker's emblem.



S. NICHOLAS.

St. Lucy, born with angelic beauty and riches was eventually betrothed against her wishes to a Sicilian pagan. Resistance to his advances brought her to cut her eyes out of their sockets and send them to him. Her sight once more miraculously restored, she was sentenced to a brothel, to be executed, and to be burnt alive. But none of these punishments prevailed, She died a virgin—stabbed in the neck by the Governor's servant. Her day is Dec. 13th.



S. LUCY.

St. Laurence, of Spanish birth, became a Roman deacon under Sixtus 11. When the latter died, the Saint was accused of hiding church treasures. As he had given these on Sixtus' instructions to the poor, he could not produce them, and was subsequently roasted on a griddle. His famous last words: "See, I am roasted on one side, it is time to turn me over on the other." His day is August 16 . . . is honored with Peter and Paul.



ST. LAURENCE.

Saint Ambrose

As a baby a swarm of bees landed on this Saint's lips, yet brought no harm. Advocate of celibacy, he was a great lover of music and introduced the Ambrosian chant. Tamer of even Emperors, blessed with the gift of prophecy, legends about him are endless. His day, April 4th.



S. AMBROSE.



ST. MARGARET.

Saint Margaret was cast into prison at an early age for refusing to marry Olybrius, a Roman Governor. Tortured and confined, she was finally tried by the devil who, appearing as a dragon, swallowed her. She burst forth safely to become the patron of women who call upon her in childbirth. Tortured further, she finally was condemned and executed—virgin and martyr. Her day is July 20th.

Saint Anne

Mother of the Blessed Virgin, overcame through her prayers, the "curse" of being barren—a great affliction in the view of the ancient Hebrews. Honored since earliest days with her husband, St. Joachim, her day is July 26th.



ST. ANNE.

St. Cecilia, also a virgin martyr, met her death in a boiling cauldron. But not before having converted her husband and his brother to Christianity. She is generally regarded as the patroness of music, as the result of her ability to listen to the singing and music of an angel who left his abodes of bliss to visit with her and in turn hear the harmonious strains of her own music. Dryden alludes to the incident in his "Ode to St. Cecilia's Day," November 22nd.



ST. CECILIA.

Saint Michael, chief of the angels, an archangel, bears scriptural mention as a warrior; thrice by Daniel, once by Jude, and once by John. September 29th is the Feast of Saint Michael and All Angels, or Michaelmas Day. There are nine orders of Angels: 1. Councillors, made up of Seraphims, Cherubims, and Thrones; 2. Governors, or dominations, Virtues, and Powers, and 3. Messengers who are Princedoms, Archangels, and just Angels.



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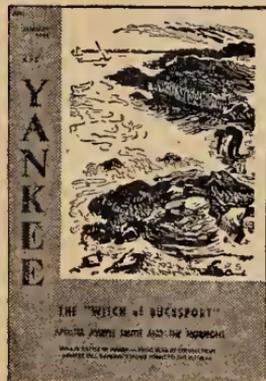
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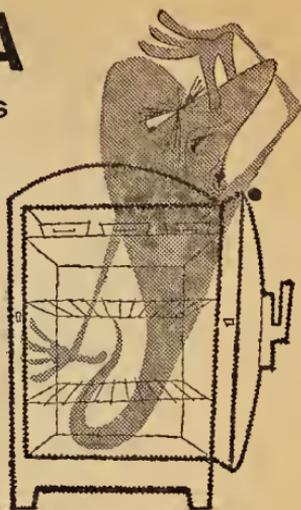
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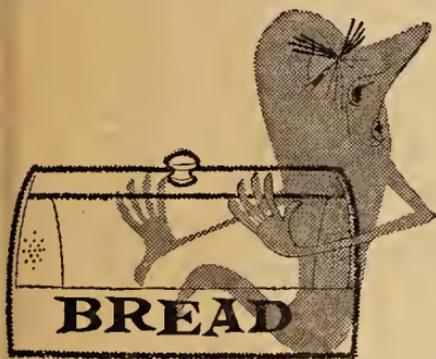
SODA SWEETENS AS IT CLEANS



Swish out oily, clinging film in glass coffee makers. Use 2 tbs. Soda in warm water. A clean pot brews better coffee.



Wipe out "icebox" odors. Just sprinkle Soda on a damp cloth and wipe away greasy film germs cling to. Can't scratch enamel!



Rinse out stale "food" smells in bread and lunch boxes. Use 2 tbs. Soda to quart of warm water. No sudsy residue, no grit!



Sweeten away "bottled-up" odors. Use 2 tbs. Soda, add warm water, shake; rinse. Sanitizes vacuum bottles, all food containers.

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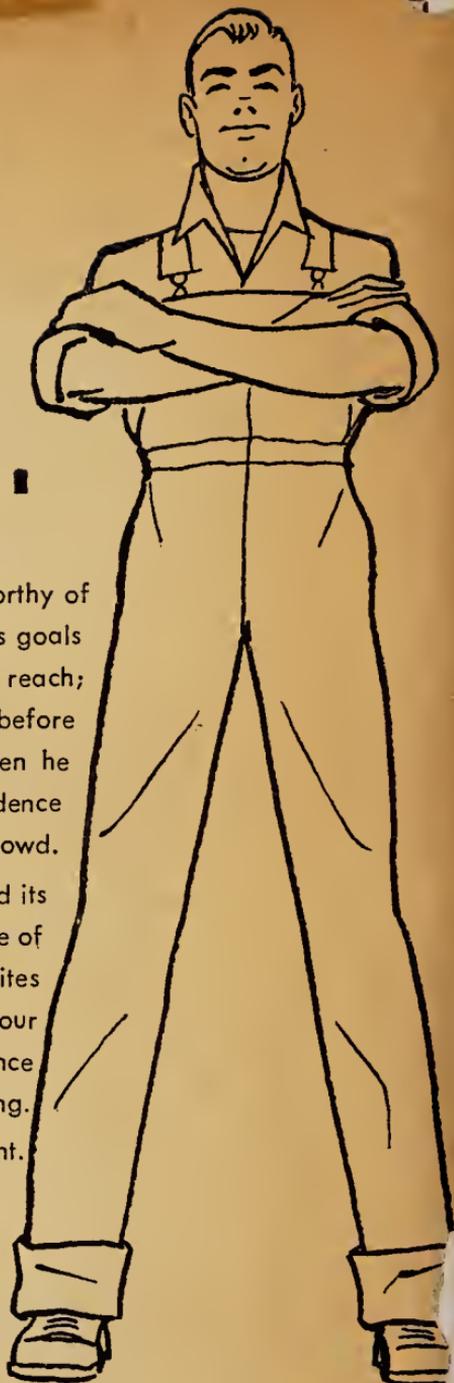
Clean film off windshield



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