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No. CLXVI

SPRING.

SUMMER.

THE OLD

FARMER'S

1958

ALMANAC

BY ROBERT B. THOMAS



BENJAMIN FRANKLIN



ROBERT B. THOMAS



AUTUMN.



WINTER.

Nichols

Price 35 Cents

Weather Forecast, Planting Tables.

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

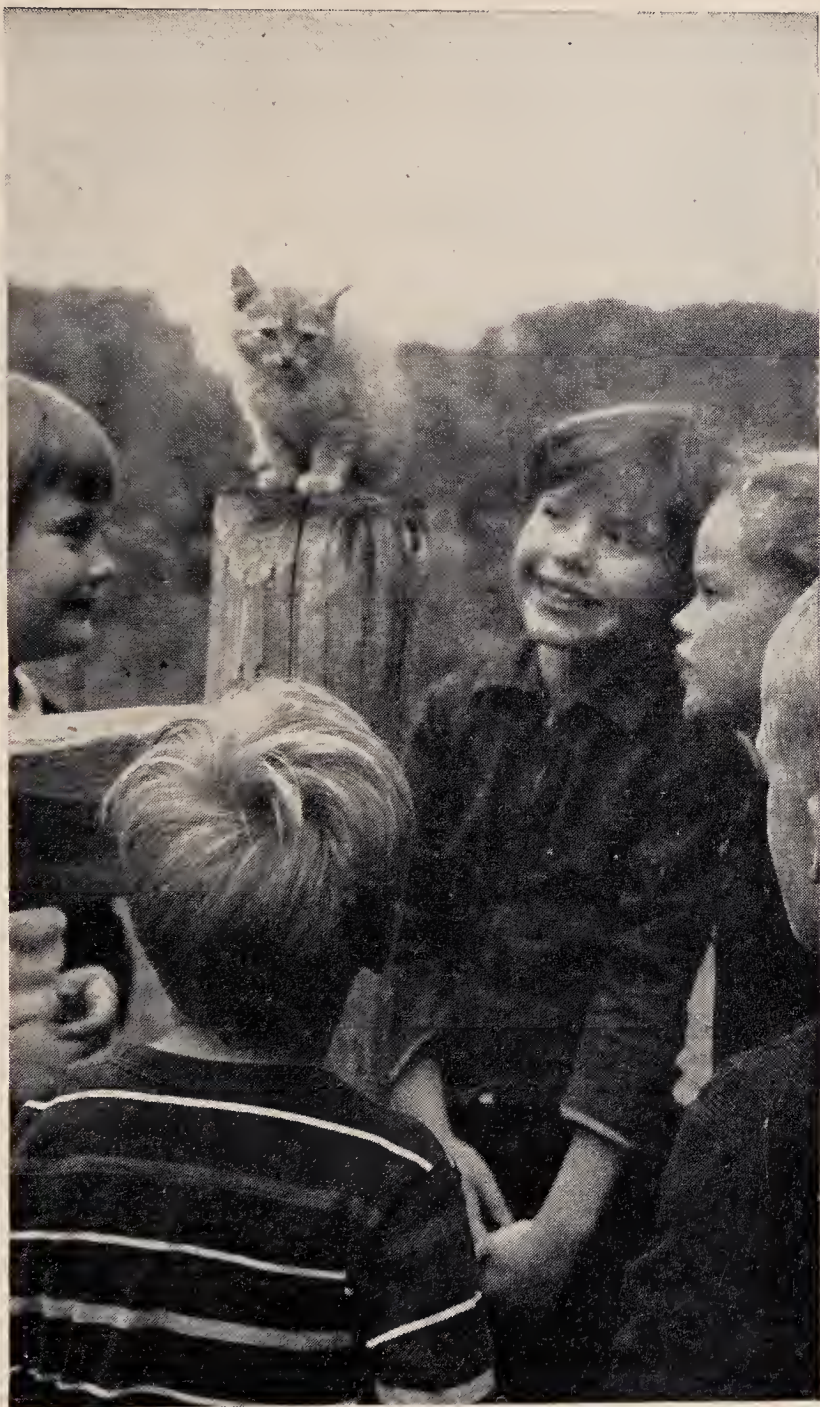


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... the New England Way

John Hancock's sound assets and sturdy New England character, together with its carefully planned policies, mean sure protection for your family and your business. Ask us now to explain an adequate life insurance program for you — and to show you how easily you can have it.

John Hancock
MUTUAL LIFE INSURANCE COMPANY
BOSTON, MASSACHUSETTS



HAPPY NEW YEAR!

Haberman



WINTER MORNING "CONSTITUTIONAL"
Route 7 (Danbury, Ct.—Montpelier, Vt.)

Haberman



OLD WOMAN OF THE MOUNTAINS
Opposite Old Man of the Mountains,
Franconia Notch, N. H., and Profile Lake.

Ahrens



"EASTER LAMB" One week old in February.

Anable

Number One Hundred and Sixty-six.

THE
(OLD)
FARMER'S ALMANACK,

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

1958

Being 2nd after BISSEXTILE or LEAP YEAR, and (until July 4)
182nd year of American Independence

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

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

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1792

BY ROBERT B. THOMAS.



"THE UNDEVOUT ASTRONOMER IS MAD!"

Who sees the varying orbs in order rise, Progress unjarring, wax, and wane, and vanish. As if self-poised, self-guided, self-existent; And is not thereby led to view a God, To cause, to guide, and balance, orb and orbit, Thro' the immense of heaven's extended space; — Is but a dunce in nature's highest school, A blinded atheist, maniac, or fool.

Anon. 1800

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DR. EUGENE L. SWAN

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NEW ENGLAND'S LARGEST STORE

BOSTON • FRAMINGHAM • MALDEN

TO PATRONS AND CORRESPONDENTS

This is the 166th 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 1958 or Atomic Year 14. In earlier years this Almanac had a successful sale through essence and tinware pedlars. In the 1860's it turned to the carts and wagons of the American News Company, a convenient and pleasant relationship which, until the latter decided in 1957 to abandon periodical distribution altogether, resulted in a growth to something over 1,100,000 copies. This year it finds itself aligned with Pocket Books, Inc. (and Select Magazines, Inc.) with an initial distribution of 1,250,000 copies. In all likelihood with the modern merchandising facilities, chain store, supermarket, etc. outlets available to these large companies, the OFA would seem to have a brighter future than ever.

As we go to press, it almost goes without saying we, like everybody else, have been delivered into the unyielding jaw of inflation. It shakes us as a terrier would a groundhog and gives rise to the comment that unless the President and the Congress see fit to call off and chain this mad beast (stabilize wages and prices, cut armed force waste, reduce taxes) a large proportion of America's population is in for personal as well as business catastrophe.

We regret to report this is the last edition in which you will find, owing to his decease this past year, the poetry of David Morton. Loring Andrews has once more prepared the Astronomical material; Benjamin Rice the Farm Calendars. You will also find several interesting innovations this year such as the Map of the Seasons (Page 14), How to Tell Time by the Fiddler Crab (Page 83), and a "digest" of the First Book Ever Printed in English (Page 108). Which is not to say that all else is not as usual here. It is and more besides.

E.O.S. Rochester, N. Y. The "Fiery Tears of St. Lawrence" mention (Aug. 10) arises from this Saint's remark in torture on a gridiron "Seest thou not I am already roasted on one side, and if you would have me well cooked, turn me on the other." B.P.S. Chicago, Ill. Yes, Paul Revere did send a bill to the Mass. State Treas. for his famous ride. R.S. Martinsville, Va. You advise getting dental work done when the Zodiac signs are under the waist. But will that toothache last that long? E.A. Wethersfield, Ct. When you stand up your lap sneaks around to the rear and comes up under an assumed name. (Just in case you want to know where it went.)

We are proud to announce that for the first time in its long and venerable history, The Old Farmer's Almanac(k) will be enjoying almost currently with the November 1 publication date of this Edition, an Anthology, Treasury, call it what you will, book about itself, entitled THE OLD FARMER'S ALMANAC SAMPLER. The volume contains the best of the OFA since 1792 and the happy renewal of our enjoyment of the so much good in it which has gone before. The publisher is Ives Washburn, Inc. of New York and you will find an announcement concerning this delightful volume on page 93.

Many governmental, quasi-public, and private sources have been used in the preparation of the Almanac this year. To these we owe and grant sincere gratitude as well as to the very many newspaper editors, columnists, news services, radio broadcasters, TV stations, and magazines without whose aid and interest the OFA would have perished many years ago. It is beyond our capacity to deliver adequately our full thanks to the very many whose interest continues in the welfare of this publication. We trust our 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.

July 15, 1957.

1 9 5 7

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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Bold Face Dates 1 9 5 8 Best Fishing Days

JANUARY.							FEBRUARY.							MARCH.							APRIL.								
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JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.						
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PRINCIPAL HOLIDAYS, ETC. IN 1958

* The day and probable weekend weather are given for all which are either quite generally observed or seem to suggest long weekend vacation trips.

† Are recommended as "with pay" holidays—regardless of regular periods—for all commercial employes.

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, W., Stormy	May 30 (*†) Decoration or Memorial Day, Fri., Cool
Jan. 8 (**) Battle of New Orleans	June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., Ky., La., Miss., S. C., Tenn., Tex. & Va.)
Jan. 19 (**) Robert E. Lee's Birthday (South)	June 14 (**) Flag (Mo. & Pa.)
Jan. 26 (**) MacArthur (Ark.)	June 15 (**) Pioneer Day (Idaho)
Jan. 30 (**) F. D. R's Day (Ky.)	June 15 (***) Father's Day
Feb. 12 (*) Lincoln's Birthday. (13 States), Wed., Cold.	June 17 (**) Bunker Hill (Suffolk Co., Mass.), Tues., Fog.
Feb. 14 (**) Admission Day (Ari.)	June 20 (**) West Virginia Day
Feb. 14 (***) Valentine's Day	July 4 (*†) Indep., Fri., Nice
Feb. 15 (***) Susan B. Anthony	July 13 (**) Forrest's (Tenn.)
Feb. 18 (**) Mardi Gras (Ala., Fla., La.)	July 24 (**) Pioneer Day (Utah)
Feb. 22 (*†) George Washington's Birthday, Sat., Snow.	Aug. 1 (**) Colorado Day
Mar. 1 (**) State Day (Nebraska)	Aug. 14 (**) Victory (Ark., R. I.)
Mar. 2 (**) Texas Ind. Day	Aug. 16 (**) Bennington, Vt. Bat.
Mar. 7 (**) Burbank Day (Cal.)	Aug. 30 (**) Huey Long (La.)
Mar. 15 (**) Jackson Day (Tenn.)	Sept. 1 (*†) Labor Day, Mon., Clear but Cold
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)	Sept. 9 (**) Admission Day (Cal.)
Mar. 25 (**) Maryland Day	Sept. 12 (**) Defender's (Md.)
Apr. 1 (**) State Election (Mich.)	Sept. 16 (**) Cherokee (Okla.)
Apr. 4 (**) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.) Showers	Sept. 17 (***) Citizenship Day
Apr. 7 (**) Easter Monday (N. C.)	Sept. 26 (***) Am. Indian Day
Apr. 12 (**) Halifax Day (N. C.)	Oct. 6 (**) Missouri Day
Apr. 13 (**) Jefferson Day (Ala., Mo., Neb., Okla.)	Oct. 10 (**) Okla. Hist. Day
Apr. 14 (***) Pan American Day	Oct. 11 (**) Pulaski Day (Neb.)
Apr. 19 (**) Patriots' Day (Me., Mass.), Fri., Nice	Oct. 12 (*†) Columbus, Sun., Storm
Apr. 21 (**) San Jacinto (Tex.)	Oct. 14 (**) Alaska Elec.
Apr. 22 (**) Okla. Day, Arbor Day, Nebr.	Oct. 24 (***) United Nations Day
Apr. 26 (**) Memorial Day (Ala., Fla., Ga., Miss.)	Oct. 31 (**) Nevada Day
Apr. 28 (**) Fast Day (N. H.), Mon., Changeable	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. 4 (*) Election Day, Tues., Lowery
May 11 (***) Mother's Day	Nov. 11 (*†) Veterans', Tues., Snow
May 17 (**) Armed Forces Day	Nov. 23 (**) Repudiation (Md.)
May 20 (**) Mecklenburg (N. C.)	Nov. 27 (*†) Thanksgiving Day, Thurs., Stormy
	Dec. 7 (**) Delaware Day
	Dec. 21 (***) Forefather's Day
	Dec. 25 (*†) Christmas Day, Thurs., White

1958 Not a Good Holiday Year.

For possible long weekends in 1958, the first two good bets are the Fridays of May 30 and July 4. Labor Day, Sept. 1 is a Monday; Thanksgiving, Nov. 27, is a Thursday as is Christmas. New Year's and Lincoln's are Wednesdays, Washington's a Saturday, Columbus Day a Sunday but celebrated Monday, and Veterans' Day (Nov. 11) a Thursday. A quick rundown of the State holidays is not much more encouraging in this regard.

ECLIPSES FOR THE YEAR 1958

There will be three eclipses in 1958, two of the Sun and one of the Moon, only that of the Moon on May 3 visible from points within the United States.

I. **An Annular Eclipse of the Sun, April 18, 1958.** The path from which this eclipse can be observed in its annular phase extends from the middle of the Indian Ocean to a point about 700 miles northwest of the Hawaiian Islands. Segments of Lower Burma, Thailand, Cambodia, Indo-China and Formosa are the only major land masses along the path. As a partial eclipse it will be generally visible throughout the Far East, Alaska, and the western Pacific Ocean.

II. **A Partial Eclipse of the Moon, May 3, 1958.** Observers in the Pacific Time Zone will be able to see the early stages of this eclipse and those on the Pacific coast the end of the major phase. Less than two per cent of the moon's diameter will be covered when the eclipse is at its maximum. Observers in the westernmost part of the United States will be observing the eclipse just before the Moon sets. It will be more generally visible from points in the Pacific Ocean, eastern Asia, Australia, the southeastern part of the Indian Ocean, and Antarctica.

III. **A Total Eclipse of the Sun, October 12, 1958.** The path of totality of this eclipse has its beginning just east of New Zealand and its end in the Andes in Central Argentina, where totality will occur at sunset. The path is thus essentially across the South Pacific Ocean with Samoa the only land from which the eclipse will be visible from start to finish. As a partial eclipse it will be visible generally from points in the South Pacific Ocean, at and near sunrise from points in eastern Australia and southeastern New Zealand, and at or near sunset from points in the southwestern part of South America.

EARTH IN PERIHELION AND APHELION, 1958

The Earth will be in Perihelion on January 3, 9 A.M., distant from the Sun 91,446,000 miles. The Earth will be in Aphelion on July 5, 3 P.M., distant from the Sun 94,536,000 miles.

FOR PRE-DAWN OBSERVERS

In the pre-dawn hours of January 16 the Moon and three of the planets, including Mercury, will be together in a small strip of the southeastern sky. In the morning twilight, about 6 A.M., the silver of the waning Moon will be riding highest in the sky with Mars about eight moon widths below it. About the same distance to the left, or east, of Mars will lie Saturn. Extending approximately the line from the Moon to Saturn on toward the horizon will lead the observer to Mercury, about a half hour along from its rising, with Saturn about midway between Mercury and the Moon. None of the planets will be brighter than the average brightest star, but with Mercury the brightest of the three, Saturn next, and Mars the faintest.

Again for early risers, the pre-dawn hours of September 5 will offer a good opportunity to locate Mercury, this time in the northeastern sky with Venus the guide. When bright Venus rises that morning, about 3.42 A.M., Mercury will appear above the horizon very shortly thereafter, downward to, but close by Venus's right. Mercury's brightness will closely parallel that of the star Regulus in Leo which will follow in Mercury's footsteps about twenty minutes after that planet has risen.

FULL MOON — RISINGS AND SETTINGS — 1958

This table shows exact time full moon appears on horizon. To adjust times for places other than Boston use key letters as per instructions pages 102-5.

Date	Rises	Key	Sets	Key	Date	Rises	Key	Sets	Key
Jan. 5	4.43 P.M.	E	6.39 A.M.	M	July 30	6.48 P.M.	L	4.36 A.M.	F
Feb. 4	5.53 P.M.	G	6.41 A.M.	K	Aug. 29	6.23 P.M.	J	5.29 A.M.	H
Mar. 5	5.55 P.M.	I	5.47 A.M.	J	Sept. 27	5.22 P.M.	H	5.18 A.M.	I
Apr. 3	5.57 P.M.	J	4.52 A.M.	H	Oct. 27	4.54 P.M.	F	6.03 A.M.	K
May 3	7.12 P.M.	M	4.42 A.M.	F	Nov. 26	4.48 P.M.	E	6.44 A.M.	M
June 1	7.04 P.M.	M	4.07 A.M.	E	Dec. 25	4.19 P.M.	E	6.22 A.M.	M
July 1	7.32 P.M.	M	4.44 A.M.	E					

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

VENUS, MARS, JUPITER AND SATURN, 1958.

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 page 102-5.

1958	VENUS			MARS			JUPITER			SATURN		
		h m	Key		h m	Key		h m	Key		h m	Key
JANUARY	1st	sets 7 17 P.M.	E	rises	4 40 A.M.	N	rises	1 21 A.M.	K	rises	5 38 A.M.	N
"	11th	" 6 46 P.M.	F	"	4 35 A.M.	N	"	12 46 A.M.	K	"	5 03 A.M.	N
"	21st	sets 5 55 P.M.	F	"	4 30 A.M.	N	"	12 11 A.M.	K	"	4 29 A.M.	N
FEBRUARY	1st	rises 6 15 A.M.	L	rises	4 23 A.M.	O	rises	11 32 P.M.	K	rises	3 51 A.M.	N
"	11th	" 5 11 A.M.	L	"	4 15 A.M.	O	"	10 54 P.M.	K	"	3 15 A.M.	N
"	21st	" 4 32 A.M.	L	"	4 05 A.M.	O	"	10 14 P.M.	K	"	2 39 A.M.	N
MARCH	1st	rises 4 12 A.M.	L	rises	3 56 A.M.	O	rises	9 41 P.M.	K	rises	2 10 A.M.	N
"	11th	" 3 56 A.M.	L	"	3 43 A.M.	N	"	8 59 P.M.	K	"	1 32 A.M.	N
"	21st	" 3 44 A.M.	L	"	3 28 A.M.	N	"	8 15 P.M.	K	"	12 54 A.M.	N
APRIL	1st	rises 3 33 A.M.	L	rises	3 10 A.M.	M	rises	7 26 P.M.	K	rises	12 12 A.M.	N
"	11th	" 3 23 A.M.	K	"	2 52 A.M.	M	rises	6 40 P.M.	K	"	11 32 P.M.	N
"	21st	" 3 13 A.M.	J	"	2 33 A.M.	L	sets	4 59 A.M.	G	"	10 32 P.M.	N
MAY	1st	rises 3 01 A.M.	J	rises	2 13 A.M.	L	sets	4 17 A.M.	G	rises	10 11 P.M.	N
"	11th	" 2 48 A.M.	I	"	1 51 A.M.	K	"	3 35 A.M.	G	"	9 30 P.M.	N
"	21st	" 2 36 A.M.	H	"	1 29 A.M.	K	"	2 53 A.M.	G	"	8 48 P.M.	N
JUNE	1st	rises 2 24 A.M.	G	rises	1 05 A.M.	J	sets	2 08 A.M.	G	rises	8 01 P.M.	N
"	11th	" 2 14 A.M.	F	"	12 41 A.M.	I	"	1 28 A.M.	G	rises	7 19 P.M.	N
"	21st	" 2 07 A.M.	E	"	12 18 A.M.	I	"	12 48 A.M.	G	sets	3 52 A.M.	D
JULY	1st	rises 2 04 A.M.	D	rises	11 53 P.M.	H	sets	12 09 A.M.	G	sets	3 09 A.M.	D
"	11th	" 2 05 A.M.	D	"	11 29 P.M.	G	"	11 27 P.M.	G	"	2 27 A.M.	D
"	21st	" 2 12 A.M.	C	"	11 06 P.M.	G	"	10 49 P.M.	G	"	1 46 A.M.	D
AUGUST	1st	rises 2 26 A.M.	C	rises	10 39 P.M.	F	sets	10 08 P.M.	G	sets	1 00 A.M.	D
"	11th	" 2 44 A.M.	D	"	10 15 P.M.	F	"	9 32 P.M.	G	"	12 20 A.M.	Y
"	21st	" 3 06 A.M.	D	"	9 50 P.M.	F	"	8 56 P.M.	G	"	11 36 P.M.	D
SEPTEMBER	1st	rises 3 32 A.M.	E	rises	9 22 P.M.	E	sets	8 17 P.M.	G	sets	10 53 P.M.	D
"	11th	" 3 56 A.M.	F	"	8 53 P.M.	E	"	7 42 P.M.	G	"	10 14 P.M.	D
"	21st	" 4 21 A.M.	G	"	8 22 P.M.	E	"	7 07 P.M.	F	"	9 36 P.M.	D
OCTOBER	1st	rises 4 45 A.M.	H	rises	7 48 P.M.	E	sets	6 33 P.M.	F	sets	8 59 P.M.	D
"	11th	" 5 10 A.M.	J	"	7 08 P.M.	D	"	5 59 P.M.	F	"	8 22 P.M.	D
"	21st	" 5 35 A.M.	K	"	6 24 P.M.	D	"	5 25 P.M.	F	"	7 46 P.M.	D
NOVEMBER	1st	rises 6 03 A.M.	L	rises	5 29 P.M.	D	sets	4 48 P.M.	F	sets	7 06 P.M.	D
"	11th	sets 4 29 P.M.	E	rises	4 36 P.M.	D	rises	6 02 A.M.	L	"	6 31 P.M.	D
"	21st	" 4 27 P.M.	D	sets	6 19 A.M.	M	"	5 34 A.M.	M	"	5 56 P.M.	D
DECEMBER	1st	sets 4 29 P.M.	C	sets	5 25 A.M.	M	rises	5 06 A.M.	M	sets	5 21 P.M.	D
"	11th	" 4 38 P.M.	C	"	4 37 A.M.	M	"	4 37 A.M.	M	"	4 46 P.M.	D
"	21st	" 4 53 P.M.	C	"	3 56 A.M.	M	"	4 08 A.M.	M	rises	7 03 A.M.	N
"	31st	sets 5 13 P.M.	C	sets	3 21 A.M.	M	rises	3 39 A.M.	M	rises	6 28 A.M.	N

MORNING AND EVENING STARS, 1958

(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 29, July 26, and November 20. On these dates it will set 1 h. 40 m., 1 h. 6 m., and 1 h. 4 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations, about January 15, May 14, September 9, and December 29, on which dates it will rise 1 h. 35 m., 1 h. 18 m., 1 h. 33 m., and 1 h. 49 m., respectively, before sunrise.

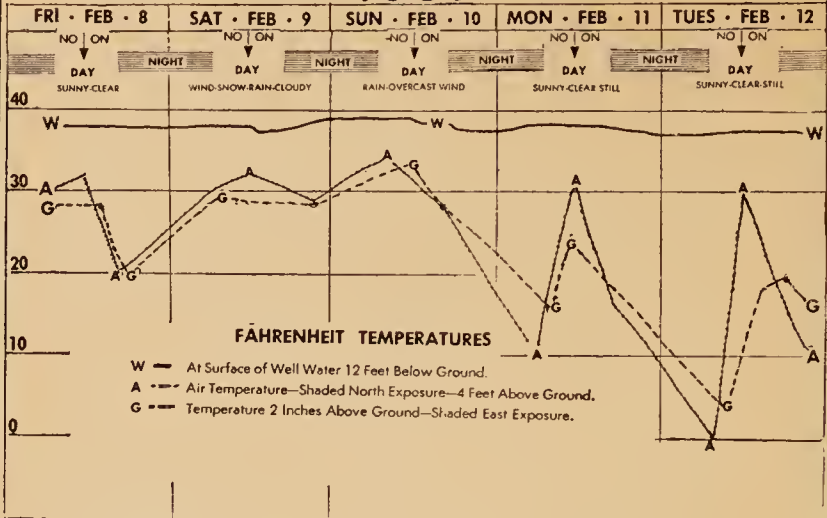
Venus will be an Evening Star until January 28, when it reaches its first conjunction of the year, and again from November 11, the date of its second conjunction in 1958, until the end of the year. From January 28 to November 11 it will be a Morning Star. It reaches its greatest brilliance of the year early in March.

Mars is a Morning Star for all but the part of the year which starts November 16, the date the planet comes to opposition, during which it will be an Evening Star. Its peak brilliance for the year, around the date of its opposition, will be two-thirds of the planet's brightness when nearest the earth during 1956, yet bright enough to make it a more conspicuous object than the brightest star.

Jupiter is a Morning Star as the year begins and as the year closes, an Evening Star during the balance of the year over the period from opposition on April 17 to conjunction on November 4.

Saturn, like Jupiter, is a Morning Star in the early months of the year and again during the last eleven days of the year. From opposition on June 13 to conjunction on December 20 it will be an Evening Star.

1957



The above "slice of 1957 weather" garnered for us by "Old Abe" shows the temperatures and kind of weather at Abe's home in New Hampshire, Feb. 8th thru 12th. Note how at the surface of his well, 12 feet below ground, hardly any change (about 39 deg.) during the same period when the air varied from 30 to zero and the ground from 32 to about 5 above. Philosophical note: man's body temperature compensates with cold feet for warmer earth and hot heads for cooler air in winter; vice versa in summer.

LAST WINTER'S WEATHER

On Page 9 of last year's (1957) OFA, Abe Weatherwise outlined the probable weather for the winter beginning November 1956 and ending March 1957. For the record, his predictions compare with the statistics kept on the winter at the Blue Hill Observatory in Milton, Massachusetts, as follows: November — correct for all except the last week when an expected Easterly storm did not show up (4 of 5 or 80%); December — correct except for the first week when the snow which fell did not "last all winter" (4 of 5 or 80%); January — 100% correct; February — 1 to 6th, gales were westerly not easterly, 7-10 correct, 11-13 correct, 14-21st "storms and very cold" way off. It was nice and mild, 22-31, again way off, there was no snow and mild. (2 of 5 — 40%). March — all right except no snow 10-17, (4½ of 5 or 90%). Percentage of accuracy for the five months, 19½ predictions of 25 were correct or 78%. His overall summary "Averages colder than last year, especially in February, on the whole more snow," was of course wrong. If it is any consolation to him however, had it not been for the "freak" February which no long range forecaster guessed correctly, he'd have been as "right as rain."

Of particular interest, were the heavy snows of December (7.9" above normal) and January (8.8" above normal): the relief from drought which came to the Dust Bowl — especially Texas — in March (indicated Pages 79 and 92 of the 1956 OFA); an unusually horizontal new moon in April which followed by drought and forest fires gave renewed credence to the old superstition of "points of the moon holding water"; and of the disastrous hurricane "Audrey" at Texas and Louisiana in July.

The most notable "deviation of the year" however seems to us the extreme quantity of icebergs and southern position of the Arctic ice pack which developed during the Spring of 1957. That this might happen was indicated on Page 92 of the 1956 OFA but it was not expected so soon or in such a degree. Previous "ice" records indicate that such ice conditions usually are accompanied by just such a winter as this one just past — with this same mild February and a change in the pressure area between Newfoundland and Greenland. A reasonable scientific reason for the effect (or cause) of such conditions does not seem to have been established.

NEXT WINTER'S WEATHER

"Ferly and Surly — A Real Humdinger."

Details below and in verse in italics running down the right calendar pages seventeen to thirty-nine.

November, 1957

- 1-6 Winds portend storms
- 7-8 Milder
- 8-15 Storms midwest
- 16-19 Could rain
- 19-23 1st real snow
- 24-30 Nor'easter with snow

December, 1957

- 1-3 Fine
- 4-6 Storms with wind
- 7-8 Probably snow
- 9-12 Gale of fog
- 13-16 Midwest frigid, storms in East
- 17-21 Cold
- 22-24 Florida cool
- 25 Cold
- 26-31 Colder & snow

January, 1958

- 1-4 Snow, rain, sleet
- 5-11 Milder with snow
- 12-19 Chance of blizzard
- 20-27 Nice — then thaw
- 28-31 Real bad news

February

- 1-3 Cold, snow
- 4-9 Milder with rain
- 10-16 Much colder
- 17-21 High winds — cold
- 21-25 Blizzard
- 26-28 Fair & cold

March

- 1-3 Fair & mild
- 4-10 Cloudy, snow, or rain
- 11-18 Rain, tornadoes in So.
- 19-23 Cold wind
- 24-31 Rain or snow

April

- 1-2 Showers
- 3-9 Fair but cool
- 10-17 Mild, gales of rain
- 18-25 Fair & warmer
- 26-30 Showers

May

- 1-2 Fair
- 3-8 Wind & rain
- 9-15 Changeably hot
- 16-18 Cools with rain
- 19-25 Seasonable storms
- 26-31 Warm days, cool nights

June

- 1-4 Sunny & hot
- 5-10 Hail then warms
- 11-17 Mild with fog
- 18-21 Showers
- 22-26 Hot then rain
- 27-30 Cools off clear

July

- 1-7 Dry spell
- 7-15 Hot & sultry
- 16-21 Rainy & cooler
- 21-25 Severe local storms
- 26-31 Storms from East

August

- 1-6 Really hot
- 7-13 Showers
- 14-19 Heavy gale or worse
- 20-26 Clear & cool
- 27-31 Nice

September

- 1-5 Mild days
- 6-10 Cooler with rain
- 11-15 Wind & fog
- 16-21 Northeast storm
- 22-25 Clear, colder
- 26-30 The same

October

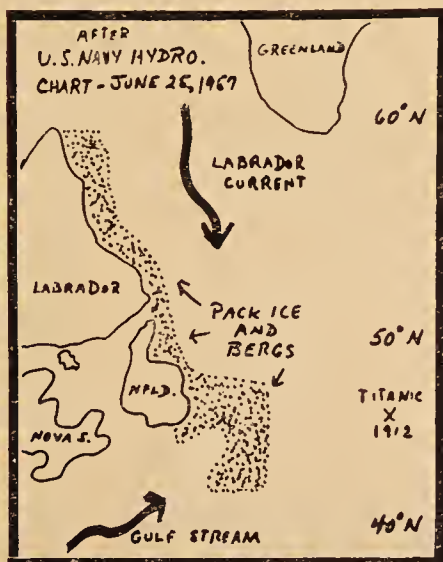
- 1-3 Clear but threatening
- 4-11 Storms
- 12-19 Could be worse
- 20-25 Cloudy
- 26-31 Cools off

November

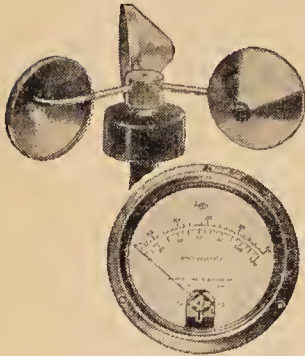
- 1-3 Windy cold
- 4-10 Moderates to storm
- 11-15 Snows
- 16-20 Clears then storm
- 21-25 Blustery & snow
- 26-30 Rain or snow

December

- 1-2 Cold rain
- 3-10 Wind brings snow
- 11-15 Snow storm
- 16-23 Mild, then bitter
- 24-25 Lowery
- 26-31 Cold, followed by a good storm



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This entirely new mechanical wind direction indicator with handsome gray plexiglass case (other colors on request) shows every slight fluctuation of wind direction on a compass card dial 6 inches in diameter. Standard indicator hand is red, but all other colors available. Please specify color in ordering. Complete instrument, mast, etc. \$34.50

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This imported barometer, made in England, is a beauty and accurate too. Handsome mahogany case. Complete post-paid price \$4.95



Indoor Outdoor Thermometer with magnifying case. Mount inside your room and get indoor and outdoor temp. \$3.98

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Powered by the world's largest-selling V-8 engines . . . underscored by a really rugged chassis . . . topped by a body with more safety features than any other possesses . . . Fords are daily demonstrating their dependability.

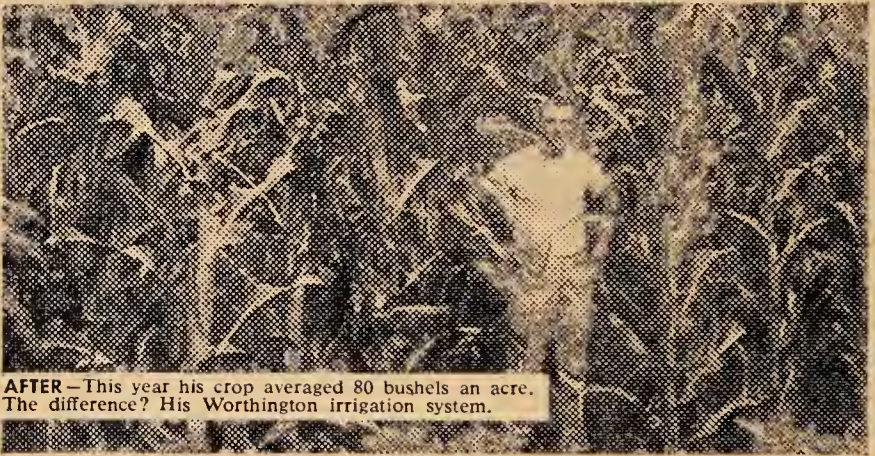
Of course, Ford's low initial prices are important, too, and so is the fact that Ford cars and trucks traditionally retain high resale value. That's a real factor when it's time to trade for a new Ford—a Ford with a real reputation for dependability.

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BEFORE—This farmer lost his entire corn crop in the drought last year.



AFTER—This year his crop averaged 80 bushels an acre. The difference? His Worthington irrigation system.

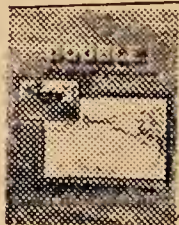
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Irrigation is just like doubling your farm overnight at a tiny fraction of its cost. Yields two, three, and four times previous crop averages are not at all uncommon.

That's why 319,965 profit-minded farm operators have already installed an irrigation system. Not only does it protect their crops during droughts, but in good years it pays for itself in greater yields.

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THE SEASONS, 1958

1958 Summer begins on
June 21, 4.57 P.M.

♄ Capricornus, knees. CAP

(Sun enters the
sign of Cancer.)

Latest
Sunsets
Jun. 23-30

Earliest
Sunrises
Jun. 11-19

♊ Aquarius, legs. AQR

♐ Sagittarius,
thighs. SGR

Nights
growing
longer.

Days
growing
longer.

♋ Pisces, feet. PSC

♏ Scorpio,
secrets. SCO

1958
Fall
begins
Sept. 23
8.10 A.M.
(Sun
enters
Libra.)

1958
Spring
begins
Mar. 20
10.06
P.M.
(Sun
enters
Aries.)

♈ Aries, head. ARI

♎ Libra, reins. LIB

Days
growing
shorter.

Nights
growing
shorter.

♉ Taurus, neck. TAU

♍ Virgo, belly. VIR

Earliest
sunsets
Dec. 5-12

Latest
sunrises
Dec. 29-Jan. 9

♊ Gemini, arms. G'M

♌ Leo, heart. LEO

1957
Winter begins Dec. 21
9.49 P.M. (Sun enters
Capricornus.)

1958
Winter begins Dec. 22
3.40 A.M. (Sun enters
Capricornus.)

♋ Cancer, breast. CNC

THE ZODIAC

The Earth, proceeding around the Sun in the elliptical path shown above, experiences not only the Seasons indicated but also is said to pass through twelve equal divisions of the Universe commonly called, *in toto*, the Zodiac. These divisions are called Signs of the Zodiac and are familiar to many as the points of reference used by astrologers who for the most part use these signs as entered into by the Moon. Astronomers, however, as you will see in the Calendar Pages of this Almanac, use them in an opposite manner; namely as entered into by the Sun. Thus, "the 1957 Winter begins," according to the latter, "when the Sun enters Capricornus, on Dec. 21st." But you will note the astrological interpretation appears at the top of the ellipse with Capricornus, the time of astronomical Summer.

INTRODUCTION TO CALENDAR PAGES

STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 27, (deduct it Oct. 26) for Daylight Saving Time
For States which retain September D.S.T. Closing Date, Deduct it Sept. 28.

Chronological Cycles for 1958.

Golden Number 1 | Solar Cycle 6 | Roman Indiction 10
Epact 10 | Dominical Letter* E | Year of Julian Period 6670

*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.

HOW TO READ THE WEATHER

Turn to page 17, note in italic type the words "Wet Snow, Rain and Sleet" opposite January 1, 2, 3, and 4. This means the sentence foretells this kind of weather for those four days. Just so, "Foul Sunday, fair Monday" tells similarly the weather for February 2nd and 3rd. For each time zone West of E.S.T. read these predictions as if for one day sooner. In case of doubt use the moon table on Page 101. Easterly storms would not apply to West or Midwest.

Movable Feasts and Fasts for 1958.

Septuagesima Sun.	Feb. 2	Good Friday	Apr. 4	Whitsunday	May 25
Shrove Sunday	Feb. 16	Easter Sunday	Apr. 6	Trinity Sunday	June 1
Ash Wednesday	Feb. 19	Low Sunday	Apr. 13	Corpus Christi	June 5
1st Sun. in Lent	Feb. 23	Rogation Sun.	May 11	1st Sunday in	
Palm Sunday	Mar. 30	Ascension Day	May 15	Advent	Nov. 30

CALENDAR PAGE EXPLANATIONS AND SIGNS

On the right hand pages you will find every now and again the symbols given below conjoined in groups of three to give you what is happening in the heavens. See Glossary, Page 100. Example: ♄ ♃ ♀ on page 21 opposite Mar. 12 means Saturn and the Moon are on that day in conjunction, or nearest to each other. See also pages 101-105 which explain how you may correct these pages 17-39 for use anywhere in the U.S.A.

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.	

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

See next to last column, pages 16-38 for moon's place each day in Zodiac. Best planting signs: CNC, LIB, SCO. See page 4 for best fishing dates. For flowers and vegetables see page 41, for cutting brush, best times are in the Full and Last Quarter of Moon.

♈ Aries, head. ARI
♉ Taurus, neck. TAU
♊ Gemini, arms. GEM
♋ Cancer, breast. CNC
♌ Leo, heart. LEO
♍ Virgo, belly. VIR
♎ Libra, reins. LIB
♏ Scorpio, secrets. SCO
♐ Sagittarius, thighs. SGR
♑ Capricornus, knees. CAP
♒ Aquarius, legs. AQR
♓ Pisces, feet. PSC



Man of the Signs used by
Abe Weatherwise, 1784.

1958]

JANUARY, FIRST MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	23s.01	7	22 23	13	21 29	19	20 21	25	18 58						
	2	22 55	8	22 15	14	21 19	20	20 08	26	18 43						
	3	22 50	9	22 07	15	21 08	21	19 55	27	18 28						
	4	22 44	10	21 58	16	20 57	22	19 41	28	18 12						
	5	22 38	11	21 49	17	20 45	23	19 27	29	17 56						
	6	22 31	12	21 39	18	20 33	24	19 13	30	17 40						

○ Full Moon, 5th day, 3 h. 09 m., evening, E.

☾ Last Quarter, 12th day, 9 h. 01 m., morning, E.

● New Moon, 19th day, 5 h. 08 m., evening, W.

☽ First Quarter, 27th day, 9 h. 16 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



Alone, and strange, and wild,
In the way a poem is,
Or a child,

My love looks out at you,
Peers, tip-toe, out of my eyes,
At all you do;

And sees, as ritual,
Your hand raised, your hand
Let fall,

You, crossing the room
Toward an open door—all
Ritual, and doom . . .

And my love, strange and wild,
Looks out at you . . . suffering,
Like a poem, or a child.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	W.	Circumcision. Tides { ^{9.1} / _{8.0} Wet snow	It's the steam whistle on the old locomotive that sobbed and wailed and cried in the night.
2	Th.	Fast of Tebet ♀ Gr. Hel. { ^{9.4} / _{8.3} and rain	
3	Fr.	⊕ In Peri ☾ runs high. Tides { ^{9.8} / _{8.6} and sleet	It's the clop, clop of Ned and Dandy coming up the lane with the biggest load of hay.
4	Sa.	The Wolf Moon is full tomorrow { ^{10.3} / _{9.0} you'll meet.	
5	E	2 Sa. Ch. Take down Xmas Greens ♀ Stat. in R.A.	It's the cough, cough and whine and buzz—and the dying drone—of the saw rig that made us our cordwood.
6	M.	Epiph. Fortune Bay ♀ Stat. in R.A. Poor	
7	Tu.	Ike Agreed 1952 ♂♂♂ { ^{11.2} / _{11.2} sheep the	It's sawing ice on the ice pond and the ice house and the smell of sawdust as we slid the great cakes in.
8	W.	♁ in ☽ Peri. Hol. La. { ^{10.1} / _{11.2} snow's 0000	
9	Th.	All nights exc. Sat. lightless 1918 Tides { ^{10.3} / _{11.0} inches	It's everything that isn't now, says the old-timer—and woe be it, says he, that these things are dead and gone.
10	Fr.	♁ on Eq. Latest sun-rises over Tides { ^{10.4} / _{10.6}	
11	Sa.	Thos. Hardy Blizzard D. 1928 West 1888 { ^{10.8} / _{10.1} deep	Maybe that's so, old-timer, but let's whittle these memories down to size. You remember these things that have gone, mostly because they have gone and are surrounded now by the magic of nostalgia.
12	E	1st S. a. Ep. Tides { ^{10.2} / _{9.6} Old	
13	M.	♁♁♁♁♁♁ Tides { ^{10.1} / _{9.2} Betty's	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
14	Tu.	St. Hill. Coldest in year (14-25) rol D. 1898 Lewis Car- rheumy	
15	W.	Dem. Donkey ♀ Gr. El. born 1870 { ^{10.1} / _{8.8} joints	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
16	Th.	♁♁♁♁♁♁ low Tides { ^{10.2} / _{8.9} to a	
17	Fr.	1859, Cap'n Higham Clipper Record ♁♁♁ { ^{10.4} / _{9.1} bad	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
18	Sa.	Shanghai-N. Y. 82 days Tides { ^{10.5} / _{9.2} storm	
19	E	2 S. a. Epiph. Lee's b'day points.	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
20	M.	1892 - First U. S. Basket Ball ♁♀♁ { ^{10.5} / _{9.4} Lady	
21	Tu	♁♁♁♁♁♁ { ^{10.3} / _{9.4} Auster	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
22	W	1789 - 1st Am. Novel Publ. "Philenia" Tides { ^{9.4} / _{10.1} warms	
23	Th.	♁♁♁♁♁♁ { ^{9.4} / _{9.7} things up	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
24	Fr.	♁ in Apo. ☾ on Eq. [25th] ♁♁♁♁♁♁ in ☽ the	
25	Sa.	C. of Paul If clear Happy Year Be-tides { ^{9.2} / _{9.0} old	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
26	E	3rd S. a. Ep. Hol. Ark. { ^{9.1} / _{8.6} defroster.	
27	M.	Lowest high tide of year Tides { ^{9.0} / _{8.2} Call the	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
28	Tu.	Chicago Fire 1868 ♁♀♁ Inf. { ^{8.9} / _{7.9} hearse	
29	W.	Blizzards in N. W. 1891 ♁♁♁♁♁♁ Tides { ^{8.9} / _{7.9} the	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.
30	Th.	Ghandi slain 1948 ♀ in Peri Day F.D.R.'s Hol. Ky. weath-	
31	Fr.	Big snow runs high 1898, 1948 { ^{8.4} / _{8.3} er's worse.	The truth is that we live in a very wonderful present, with a promise of a wonderful future. No sword hangs over our heads that has not always hung over the heads of the human race in some way or other from the beginning of time—time as we humans call it for ourselves. But, of course, time was here before we were. Time is so vast that for our own sakes, for our need of emotional being, we take the little span of it that we know, and play the changes on it. And this we have then: a longing for things past, a joy and apprehension in the present, a hope and apprehension of the future. But here is a new year. That's tangible. Let's grab it and make the most of it.

1958]

FEBRUARY, SECOND MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	0	/	Days.	0	/	Days.	0	/	Days.	0	/	Days.	0	/
	1	17s.	06		7	15	19	13	13	22	19	11	17	25	9
2	16	49		8	15	00	14	13	02	20	10	55	26	8	43
3	16	32		9	14	41	15	12	42	21	10	33	27	8	21
4	16	14		10	14	21	16	12	21	22	10	11	28	7	58
5	15	56		11	14	01	17	12	00	23	9	50			
6	15	38		12	13	42	18	11	39	24	9	28			

○ Full Moon, 4th day, 3 h. 05 m., morning, W.

☾ Last Quarter, 10th day, 6 h. 34 m., evening, E.

● New Moon, 18th day, 10 h. 38 m., morning, E.

☽ First Quarter, 26th day, 3 h. 51 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



BLUE FEATHER

Bird on the window-ledge,
Taking your crumbs and seed,
Rationed — but there!
I know how near the edge
Of absolute want your need
Of that strict fare.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	St. Bridget Tides { ^{9.9} / _{8.8}	<i>Foul Sunday</i>
2	E	Sep. S. Pur. M. Gr. Hog { ^{10.3} / _{9.3}	<i>makes</i>
3	M.	♂ ☉ ☽ { ^{10.8} / _{9.9}	<i>a fair Monday.</i>
4	Tu.	The Full Snow Moon ♀ Aph. Tides { ^{11.2} / _{10.4}	<i>It</i>
5	W.	7 below NYC 1918 ☾ Peri ♀ Stat. { ^{11.4} / _{11.4}	<i>— al-</i>
6	Th.	1815 - 1st U.S. Steam R.R. ☾ On Eq. Tides { ^{10.8} / _{11.4}	<i>ways</i>
7	Fr.	Chartier ♂ ♀ ♀ { ^{11.0} / _{11.2}	<i>warms</i>
8	Sa.	Boy Scouts Fed. 1910 Italy fell 1941 { ^{11.0} / _{10.7}	<i>before a</i>
9	E	Ser. S. ♂ ♀ ☾ ☽ ☽ ☽ { ^{10.8} / _{10.1}	<i>storm.</i>
10	M.	1862 Tom Thumb marriage Tides { ^{10.5} / _{9.4}	<i>In this</i>
11	Tu.	Mother of Mary seen at Lourdes 1858 { ^{10.1} / _{8.9}	<i>cold</i>
12	W.	Lil. B. Siberian Auto Race 1908 { ^{9.8} / _{8.6}	<i>weather</i>
13	Th.	☾ Tides low ♂ ♀ ☽ Tides { ^{9.7} / _{8.4}	<i>Jack</i>
14	Fr.	St. Val. ♂ ♂ ☾ Hol. Ariz. { ^{9.7} / _{8.5}	<i>and Jill</i>
15	Sa.	Maine blown up 1898 ♀ Stat. in R.A. { ^{9.7} / _{8.7}	<i>will lie</i>
16	E	Shrove S. ♂ ♀ ☾ { ^{9.8} / _{9.0}	<i>together.</i>
17	M.	Hurricane 1888 ♀ Stat. in R.A. ♂ ♀ ☽ { ^{9.9} / _{9.2}	<i>Ferly</i>
18	Tu.	Mardl Gras Fla., La. Tides { ^{10.0} / _{9.4}	<i>and</i>
19	W.	Ash W. Lent begins { ^{9.9} / _{9.9}	<i>much</i>
20	Th.	Auld Deer (worst in year) ☾ On Eq. ♂ ♀ ☽ ☽ Gr. Hel. Lat. N. { ^{9.6} / _{9.6}	<i>too surly.</i>
21	Fr.	World Prayer Day ☾ Apo. { ^{9.6} / _{9.6}	<i>too surly.</i>
22	Sa.	Washington's B. { ^{9.6} / _{9.3}	<i>Last year's</i>
23	E	1st S. L. Ember Week { ^{9.6} / _{9.0}	<i>blizzard</i>
24	M.	St. Mat. S. S. Florida wreck 1918 { ^{9.4} / _{8.6}	<i>now ordains</i>
25	Tu.	Calif. Floods 1940 ♀ Gr. Hel. Lat. S. { ^{9.2} / _{8.3}	<i>the wiz-</i>
26	W.	Ellz. Taylor b. 1932 Tides { ^{9.8} / _{8.1}	<i>ard.</i>
27	Th.	In 1741 30" ice ☾ runs high Tides { ^{9.1} / _{8.0}	<i>Cold as</i>
28	Fr.	on Merrimac { ^{9.2} / _{8.2}	<i>charity.</i>

Oh, the sleighs of yesterday—when the roads were decently unplowed and there was no such thing as calcium chloride.

And yet, looking back, that was only just around the corner of time. You remember how of a Sunday afternoon, country, or city, for that matter, in Central Park, or on Commonwealth Avenue or at Punkin Corners, there was a parade of sleighs and some lovely horseflesh drawing them. You were proud of your horse and proud of your flyer and proud of your wife beside you—probably in that order.

You are looking for a chance to show how that mare of yours can step out. Easy now, easy now and nonchalant, you let her inch up and slip so smooth and quiet past Squire and Mrs. Brown behind their big bay. And you give them a Sunday nod. Squire takes the challenge and the race is on. What matter if the ladies threaten to faint and the buffalo rug lifts and billows and flaps. Runner to runner now—the good, honest, stimulant of it. The very wine of winter.

I have just been browsing for the thousandth time (can you say that without lithping?) through Bland and Peters and other catalogues of Currier and Ives prints. You will know these prints I pick out: "A Brush for the Lead," a half dozen or more of usually moderate citizens gone berserk to the sound of runners on the crisp snow.

All men are by nature equal
But differ greatly in the sequel.

1958]

MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	2	7s.	36	7	5	17	13	2	56	19	0	34	25	1	48
2	7	13	8	4	54	14	2	32	20	0s.	10	26	2	11		
3	6	50	9	4	30	15	2	09	21	0n.	13	27	2	35		
4	6	27	10	4	07	16	1	45	22	0	37	28	2	58		
5	6	03	11	3	43	17	1	21	23	1	01	29	3	22		
6	5	40	12	3	20	18	0	57	24	1	24	30	3	45		

○ Full Moon, 5th day, 1 h. 28 m., evening, E.

☾ Last Quarter, 12th day, 5 h. 48 m., morning, E.

● New Moon, 20th day, 4 h. 50 m., morning, E.

☽ First Quarter, 28th day, 6 h. 18 m., morning E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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

MARCH hath 31 days.

[1958



WHETHER LIKE LION OR LAMB

I pray this wind is bearing on its back
The seed of many flowers to be sown
In many barren places, for their lack.

I know some acres where no flower has flared
Its tiny splendor since the rocks were young,
And a man, there, who walked in wind, who bared
His breast unto the wind, who made a sound,
Human and small.
Like "Here . . . here . . . on this stony ground."

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	St. David C. Swan Hol. 9.4 D. 1935 Neb. 8.6	<i>O that</i>
2	E	2nd S. I. Hol. 9.9 Tex. 9.1	<i>springlike</i>
3	M.	♂ ♂ ♀ ♀ Sup. 10.4 9.8	<i>smell</i>
4	Tu.	USS Cyclops ♀ Greatest 10.9 disap. 1918 Brilliancy 10.5	<i>Cloudy</i>
5	W.	The Full Worm Moon 11.3 is in Perihelion 11.0	<i>dirty</i>
6	Th.	PURIM Tides 11.5 11.4	<i>drizzly</i>
7	Fr.	Burbank Hol. — born 1849 Cal. Tides 11.5	<i>and</i>
8	Sa.	♂ ♀ ♀ ♀ Tides 11.5 11.2	<i>wet, you</i>
9	E	3rd S. I. Cap'n Fox's 11.4 Rec. 1824 10.7	<i>bet.</i>
10	M.	The Ides have begun 11.1 beware of Old Colind 10.0	<i>White</i>
11	Tu.	Maple Sap 3 Witches of 10.6 runs Belvoir bt. 1618 9.3	<i>tides</i>
12	W.	St. Greg. ♂ ♀ ♀ ♀ low 10.0 8.8	<i>are</i>
13	Th.	3 Jealousy Breeders: 9.6 A mighty state 8.4	<i>middling</i>
14	Fr.	A rich treasure Tides 9.3 A fair wife 8.4	<i>the</i>
15	Sa.	The Ides ♂ ♂ ♀ ♀ Tenn. 9.2 18.5	<i>heavens</i>
16	E	4th S. I. ♀ in ♂ ♀ ♀ ♀ 9.3 9.0	<i>are</i>
17	M.	St. Pat. Evae. Hol. 9.3 Day Boston 9.0	<i>pid-</i>
18	Tu.	17th - days and Tides 9.4 nights equal 9.3	<i>dling.</i>
19	W.	Swallows arr. ♀ on 9.5 Capistrand Eq. 9.5	<i>Cold weather</i>
20	Th.	Spring 10.06 ♀ en-∞ ♀ in begins p.m. Apo ♀ in	<i>Perl</i>
21	Fr.	World's end 1843 ♂ ♀ ♀ 9.5	<i>still attends</i>
22	Sa.	Jonathan Oysters 9.8 Edwards d. 1758 spawn 8.4	<i>even our</i>
23	E	Pas. S. Polygamy 9.8 abol. 1882 9.2	<i>finger's</i>
24	M.	Decline and fall of Tides 9.8 woolly bear 1956 9.0	<i>ends.</i>
25	Tu.	Lady D. Annun- Hol. 9.7 ciation Md. 8.7	<i>Think not</i>
26	W.	Robert Frost Tides 9.5 d. 1875 8.5	<i>I write</i>
27	Th.	U.S. Navy ♀ runs 9.4 fd. 1794 high 8.4	<i>in vain</i>
28	Fr.	Snow over Tides 9.8 fenees 1758 18.4	<i>if it snows</i>
29	Sa.	Two summers to ♀ Gr. El. 9.4 one winter 1731 E. 8.6	<i>when</i>
30	E	Palms S. ♂ ♂ ♀ ♀ Tides 9.6 9.1	<i>I say</i>
31	M.	Old Tenor ♀ Gr. Hel. 9.9 died age 48 Lat. N. 9.7	<i>rain.</i>

We wrote some years ago about the importance of keeping records on the farm. We suggested that more than simply setting down the weight of milk and the numbers of eggs or the bushels of this or that, or moneys taken in and moneys expended, that we should have other ways of recording. Our accounts should be backed up by a general diary and a photographic record.

Take your orchard, for instance. Let us say, you are interested in the life history of the four acres of young two-year-old trees you have just set out. Then get your camera and photograph from certain spots all the business that has attended the making of the orchard. This would be planting, fertilizing, mulehing, screening against mice, and much else besides—in short, the birth of your orchard.

Year after year thereafter your photographic record would be taken from the same places and at the same time. We all remember uncertainly what we plant and how the things we plant really grow.

We believe that the best results of a photographic record may be had from color transparencies. They will show much more clearly than black and white what is sick and what is healthy—the spray burned leaf, the pale green undernourished leaf, the hectic flush on the wormy apple.

You will have a good projector for your picture record. The whole business will be money in your pocket.

1958]

APRIL, FOURTH MONTH.

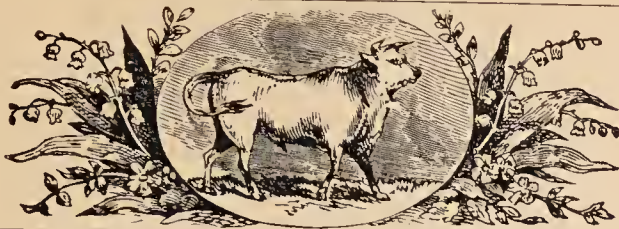
ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	4N.32	7	6 49	13	9 02	19	11 09	25	13 11						
2	4 55	8	7 11	14	9 24	20	11 30	26	13 31							
3	5 18	9	7 34	15	9 46	21	11 51	27	13 50							
4	5 41	10	7 56	16	10 07	22	12 11	28	14 08							
5	6 03	11	8 18	17	10 28	23	12 31	29	14 27							
6	6 26	12	8 40	18	10 49	24	12 51	30	14 46							

- Full Moon, 3rd day, 10 h. 45 m., evening, E.
- ☾ Last Quarter, 10th day, 6 h. 50 m., evening, E.
- New Moon, 18th day, 10 h. 23 m., evening, W.
- ☽ First Quarter, 26th day, 4 h. 36 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



COME EASTER

The delicate bones of flowers,
(What were their names?)
In indiscriminate dust! . . .

The blue, and small, and slight
(And none so loved as they!)
Anonymous, and — gone.

How shall we call, today?
What are the names to say?

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, Etc.	Farmer's Calendar.
1	Tu.	All Fool's S.S. Atlantic Mich. <i>These</i>	
2	W.	Caln born 4003 on {10.9	
3	Th.	Abel slain B.C. ☾ Eq. {11.0 <i>April's</i>	
4	Fr.	Full "Pink" moon {11.2	
5	Sa.	In Perihelion {11.5 <i>showers by</i>	
6	E	Good Fri. h Stat. in R.A. ☽☾☾ {11.4	
7	M.	First Day Passover {11.8 ☽☾☾ <i>some mystick</i>	
8	Tu.	Easter ☽ Stat. {11.9	
9	W.	Monday Hol. Okla. N.C. {11.6	
10	Th.	Gr. El. ☽☾☾ {11.2 <i>ioned of</i>	
11	Fr.	low W. {9.8	
12	Sa.	1762 - Drought now to Aug. 18 (Mass.) {10.5	
13	E	Our Hope's the Joy and Comfort of our life: 'tis sweet in sorrow and our peace in strife {9.4	
14	M.	☽♀☾ Lincoln burial 1887 {8.8	
15	Tu.	1718 ringing bells won't stop lightning ☾ on Stat. in R.A. {9.0	
16	W.	Warm in 1855 ☾ Apo. ☽♀☾ Int. {9.3	
17	Th.	Sardines running ☽☾☾ {9.6	
18	Fr.	☉ Annular Eclipse ♀ in ☽☽☾☾ {9.1	
19	Sa.	Patriots' Day Mass. {9.2	
20	E	2nd S. a. E. Me. 1858 {9.1	
21	M.	"They had not a 2nd shirt—" 1774 Hol. Okla., Neb. {10.0	
22	Tu.	☾ runs high ♀ in ☽☽☾☾ {10.0	
23	W.	Robt. R. Thomas born 1766 Tides {9.8	
24	Th.	St. Mark The Roman's Robigalia {9.7	
25	Fr.	Tanana R. Ice out 2 p.m. ☽☾☾ Hol. Fla. Ga., Miss. {18.3	
26	Sa.	3rd S. a. E. Daylight Saving Time begins {9.7	
27	E	☉☽☾♀ Stat. Fast in R.A. Day N.H. {9.6	
28	M.	☉☽☾♀ Stat. Fast in R.A. Day N.H. {9.6	
29	Tu.	Britain gave U.S. the Mayflower Log 1897 {10.0	
30	W.	Mayflower Log 1897 {10.2	

We dropped by to see our good neighbor Squire Brown the other evening. The Squire had his "rubbers" on, for it was muddy and the snow was still in the corner of the field he was sourly perusing. But we wanted to get his opinion about spring and crops. "Nice evening, squire," we said. "Think not," says he. "Just a weather breeder." "Well, squire," we ventured, "we just came to get a sort of over-all opinion of how you tell spring's come." "Cheepers first," he grunted, "but it don't mean nothin': I've seen snow in May. Then you get your robins and blue birds and your derved crows — and your black flies. Black flies is trout time. But you don't fish then. Too many black flies." "Well, squire," we ventured again, "when do you start plowing and harrowing?" "When the ground's ready," he says. "Just one more question, squire. When do you start your garden planting?" "After the last frost." "When might that be, squire?" "Never can tell." "Thank you, squire. Nice evening," we concluded. "Think not, just a weather breeder," says he. But the squire had one last word. "Bub," he says, "You've asked me a lot of derved fool questions. And now I'll give you a piece of derved good advice. Never spread manure unless the grass is short."

Daylight saving. Clocks set ahead one hr.—27th.

1958]

MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
		1	15	N	04	7	16	48	13	18	22	19	19	45	25	20
	2	15		22	8	17	05	14	18	37	20	19	58	26	21	06
	3	15		40	9	17	21	15	18	52	21	20	10	27	21	17
	4	15		57	10	17	36	16	19	06	22	20	22	28	21	27
	5	16		14	11	17	52	17	19	19	23	20	34	29	21	36
	6	16		31	12	18	07	18	19	32	24	20	45	30	21	46

○ Full Moon, 3rd day, 7 h. 23 m., morning, W.

☾ Last Quarter, 10th day, 9 h. 37 m., morning, W.

● New Moon, 18th day, 2 h. 00 m., evening, W.

☽ First Quarter, 25th day, 11 h. 38 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☺ Rises. h. m.	Key	☻ Sets. h. m.	Key	Length of Days. h. m.	Sun. ^{Fast.} h. m.	Full Sea, Boston.		☽ h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Arc
									Morn.	Even.					
121	1	Th.	4 39	F	6 44	L	14 04	19	9	9 ¹ / ₄	3 ^A _M 22	H	10 ^P _M 27	LIB	13
122	2	Fr.	4 38	E	6 45	M	14 07	19	10	10 ¹ / ₄	4 ^A _M 00	G	11 ^P _M 24	SCO	14
123	3	Sa.	4 37	E	6 46	M	14 09	19	10	3 ⁴ / ₄	rises	—	—	—	—
124	4	E	4 35	E	6 47	M	14 12	19	11	3 ⁴ / ₄	8 ^P _M 21	M	12 ^A _M 22	SCO	15
125	5	M.	4 34	E	6 48	M	14 14	19	0	0 ¹ / ₂	9 23	N	1 22	SGR	16
126	6	Tu.	4 33	E	6 49	M	14 17	19	0	3 ⁴ / ₄	10 18	M	2 20	SGR	17
127	7	W.	4 32	E	6 50	M	14 19	19	1	3 ⁴ / ₄	11 04	M	3 16	CAP	18
128	8	Th.	4 30	E	6 52	M	14 21	19	2	1 ² / ₂	11 ^P _M 45	L	4 09	CAP	19
129	9	Fr.	4 29	E	6 53	M	14 23	19	3	1 ² / ₂	—	—	4 59	AQR	20
130	10	Sa.	4 28	E	6 54	M	14 26	19	4	1 ⁴ / ₄	12 ^A _M 20	L	5 46	AQR	21
131	11	E	4 27	E	6 55	M	14 28	19	5	1 ⁴ / ₄	12 51	K	6 31	PSC	22
132	12	M.	4 26	E	6 56	M	14 30	19	6	1 ⁴ / ₄	1 19	J	7 14	PSC	23
133	13	Tu.	4 25	E	6 57	M	14 32	19	7	1 ⁴ / ₄	7 ³ / ₄	I	7 56	PSC	24
134	14	W.	4 24	E	6 58	M	14 34	19	8	8 ¹ / ₂	2 14	H	8 38	ARI	25
135	15	Th.	4 23	E	6 59	M	14 36	19	9	9 ¹ / ₄	2 42	G	9 21	ARI	26
136	16	Fr.	4 22	D	7 00	M	14 39	19	9	1 ² / ₄	3 12	G	10 04	TAU	27
137	17	Sa.	4 21	D	7 01	N	14 41	19	10	1 ⁴ / ₄	3 ^A _M 45	F	10 50	TAU	29
138	18	E	4 20	D	7 02	N	14 43	19	11	11	sets	—	11 ^A _M 38	TAU	30
139	19	M.	4 19	D	7 03	N	14 44	19	11	1 ³ / ₂	7 ^P _M 55	M	12 ^P _M 28	G'M	1
140	20	Tu.	4 18	D	7 04	N	14 46	19	—	0 ¹ / ₄	8 48	N	1 19	G'M	2
141	21	W.	4 17	D	7 05	N	14 48	19	0	1 ² / ₂	9 36	M	2 11	CNC	3
142	22	Th.	4 16	D	7 06	N	14 50	19	1	1 ³ / ₄	10 26	M	3 03	CNC	4
143	23	Fr.	4 15	D	7 07	N	14 52	19	1	3 ⁴ / ₄	11 00	L	3 55	LEO	5
144	24	Sa.	4 14	D	7 08	N	14 53	19	2	3 ⁴ / ₄	11 ^P _M 37	K	4 46	LEO	6
145	25	E	4 14	D	7 09	N	14 55	19	3	1 ² / ₂	—	—	5 38	VIR	7
146	26	M.	4 13	D	7 10	N	14 57	19	4	1 ² / ₂	12 ^A _M 12	J	6 29	VIR	8
147	27	Tu.	4 12	D	7 11	N	14 58	19	5	1 ² / ₂	12 45	I	7 21	LIB	9
148	28	W.	4 12	D	7 12	N	15 00	19	6	1 ² / ₂	1 19	H	8 14	LIB	10
149	29	Th.	4 11	D	7 12	N	15 01	19	7	1 ² / ₂	1 55	G	9 09	SCO	11
150	30	Fr.	4 10	D	7 13	N	15 03	19	8	1 ² / ₂	2 34	F	10 05	SCO	12
151	31	Sa.	4 10	D	7 14	N	15 04	18	9	1 ² / ₂	3 ^A _M 18	E	11 ^P _M 04	SGR	13



GIRLS

Being slow and vague with spring,
They loiter, and turn to see
This thing . . . or that thing . . .
Or nothing, it may be;

Begin, and leave half said
Some word that lost its thought,
And so fall still, instead,
Thinking of nought, —

Not dreaming, even. — So
The earth, too, at this season,
And though they do not know,
As yet — for the same reason.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
------	------	---	--------------------

1	Th.	Phllp & James	Boston a City 1822	{10.6 {11.4	What's	
2	Fr.	♂♂	♂♂♂	in Perl {10.9 {11.8	this we	Apple blossom time had always seemed to us the true coming of spring, and our 2000 apple trees were sheer loveliness. But not this spring. We have cut down all but a very few of them.
3	Sa.	Full "Flower" Moon in partial eclipse	♀ Aph. {10.9 {12.0	hear		As we sit here under our old Siberian crabtree (we'll never cut it down), we think back to the apples of our boyhood: the Williams, the Blue Permaine, the Porter; of course, the Russet and the Baldwin — and countless others, too. Most of these now are just memories. You will not find them at the A & P or the First National.
4	E	4th a. E.	Indep. Day R.I.	{10.8 {11.9	that we	But here's my point. All these apples were good apples. They didn't need coddling. Sure, you expected to bite through a worm now and then — and you did — but just often enough to make it exciting. Fact is, I don't believe our apple trees ever were introduced to insecticides and fungicides.
5	M.	[6th rides	♂♂	{10.6	have reason	To move time forward: twenty years ago we went into the commercial apple business—McIntosh, Cortlands though we still had Baldwins. These apples had to be perfect — no half worms. We sprayed now—three times—and thought that was an awful lot, but we got perfect apples. The last few years we have sprayed as often as 17 times in a single year. And here's the truth of it (and why we are out of the apple business): bugs and worms and scabs have built up an immunity to anything we can throw at them. Half our apples were ciders.
6	Tu.	Beasts & bears retire to unknown desert		{11.6 {10.2	to dread	
7	W.	Abe Lincoln eong. 1808	4.17" rain NYC	{11.1 {9.7	and fear?	
8	Th.	German unconditonal surrender 1945		{10.5 {9.3	The frozen	
9	Fr.	"Dogwood Winter" (9-14)	Tides	{9.8 {8.9	Pole	
10	Sa.	Edith-Isabel collision 1939	Mem. Day N. & S.C.	{9.2 {8.7	now	
11	E	5th a. E.	Three Mother's Day	{8.8 {8.6	thaws	
12	M.	♂♂	"Chilly Saints Days"		with	
13	Tu.	♂♂	Minor Rogation (12-14)		Celestial	
14	W.	Gr. El. W.	♂♀♂	Tides {8.5 {9.2	cool.	
15	Th.	ASC. D.	[16th ♂♂ in Apo.]	{8.6 {9.4	Rains	
16	Fr.	18th - In God We Trust rest. to colns 1908		Tides {8.7 {9.7	on	
17	Sa.	Armed Forces Day	Heloise died 1164 AD	{8.8 {9.9	the	
18	E	1st a. A.	Minor Rogation	{8.9 {10.1	plains.	
19	M.	First trip Old River Line 1847	Fall Tides	{9.0 {10.2	Beware	
20	Tu.	♂♂	runs Lindhergh high flight 1927	Hol. N.C. Tides {9.0	of	
21	W.	Poor Margaret (Salem)	1810	{10.3 {9.1	this	
22	Th.	Maritime Day	♀ in Aph. {10.3 {9.1	cornscauteous		
23	Fr.	Franklin invented bl-foeals 1785		Tides {10.2 {9.2	air.	
24	Sa.	Italia over N. Pole 1928	Gr. Hel. Lat. S. ♂♂	{10.2 {9.2	Nature	
25	E	PENT. W.H. S. week	Ember Shavuoth		in her	
26	M.	Don't exhaust your treasure in too much pleasure		Tides {9.8 {9.8	best attire,	
27	Tu.	Northern Light Clipper record N.Y.-S.F. 76 D. 1853		{9.9 {10.6	an-	
28	W.	Einstein Theory upheld 1919		{11.0 {10.0	nounces	
29	Th.	MEMORIAL D.	♂♂♂	{10.2 {11.4	Season of	
30	Fr.	Ethan Allen hack in Vt. 1778	Tides	{10.3 {11.7	Desire.	

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JUNE, SIXTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	22	N.03	7	22	45	13	23	13	19	23	26	25	23	24	
2	22	11	8	22	51	14	23	16	20	23	27	26	23	22		
3	22	19	9	22	56	15	23	19	21	23	27	27	23	20		
4	22	26	10	23	01	16	23	21	22	23	27	28	23	17		
5	22	33	11	23	05	17	23	23	23	23	27	29	23	14		
6	22	39	12	23	09	18	23	25	24	23	26	30	23	11		

○ Full Moon, 1st day, 3 h. 55 m., evening, E.

☾ Last Quarter, 9th day, 1 hr. 59 m., morning, E.

● New Moon, 17th day, 2 h. 59 m., morning, E.

☽ First Quarter, 24th day, 4 h. 44 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	☉ Key	☉ Sets. h. m.	☉ Key	Length of Days. h. m.	Sun East. m.	Full Sea, Boston. Morn. h. Even. h.	☽ Rises. h. m.	☽ Key	☽ Souths. h. m.	☽ Place	☽'s Moon's Age
152	1	E	4 09	D	7 15	N	15 05	18	10 $\frac{1}{2}$	10 $\frac{3}{4}$	rises	—	—	14
153	2	M.	4 09	D	7 16	N	15 07	18	11 $\frac{1}{4}$	11 $\frac{1}{2}$	8 $\frac{P}{M}$ 04	N	12 $\frac{A}{M}$ 03	SGR 15
154	3	Tu.	4 09	C	7 16	O	15 08	18	—	0 $\frac{1}{2}$	8 55	M	1 01	CAP 16
155	4	W.	4 08	C	7 17	O	15 09	18	0 $\frac{1}{2}$	1	9 41	M	1 56	CAP 17
156	5	Th.	4 08	C	7 18	O	15 10	18	1 $\frac{1}{4}$	1 $\frac{3}{4}$	10 18	L	2 49	CAP 19
157	6	Fr.	4 07	C	7 18	O	15 11	17	2	2	10 51	K	3 39	AQR 20
158	7	Sa.	4 07	C	7 19	O	15 12	17	3	3 $\frac{1}{2}$	11 21	J	4 25	AQR 21
159	8	E	4 07	C	7 20	O	15 13	17	3 $\frac{3}{4}$	4 $\frac{1}{4}$	11 $\frac{P}{M}$ 48	I	5 09	PSC 22
160	9	M.	4 07	C	7 20	O	15 14	17	4 $\frac{3}{4}$	5 $\frac{1}{4}$	—	—	5 52	PSC 23
161	10	Tu.	4 06	C	7 21	O	15 14	16	5 $\frac{1}{2}$	6 $\frac{1}{4}$	12 $\frac{A}{M}$ 17	I	6 35	ARI 24
162	11	W.	4 06	C	7 21	O	15 15	16	6 $\frac{1}{2}$	7	12 45	H	7 17	ARI 25
163	12	Th.	4 06	C	7 22	O	15 16	16	7 $\frac{1}{2}$	7 $\frac{3}{4}$	1 13	G	8 00	ARI 26
164	13	Fr.	4 06	C	7 22	O	15 16	16	8 $\frac{1}{4}$	8 $\frac{1}{2}$	1 45	F	8 45	TAU 27
165	14	Sa.	4 06	C	7 23	O	15 17	16	9	9 $\frac{1}{4}$	2 19	E	9 32	TAU 28
166	15	E	4 06	C	7 23	O	15 17	15	9 $\frac{3}{4}$	10	2 59	E	10 21	G'M 29
167	16	M.	4 06	C	7 24	O	15 18	15	10 $\frac{1}{2}$	10 $\frac{3}{4}$	3 $\frac{A}{M}$ 44	E	11 $\frac{A}{M}$ 12	G'M 30
168	17	Tu.	4 06	C	7 24	O	15 18	15	11 $\frac{1}{4}$	11 $\frac{1}{4}$	sets	—	12 $\frac{P}{M}$ 05	CNC 0
169	18	W.	4 06	C	7 24	O	15 18	15	11 $\frac{3}{4}$	—	8 $\frac{M}{M}$ 19	M	12 58	CNC 1
170	19	Th.	4 06	C	7 25	O	15 18	15	0	0 $\frac{1}{2}$	9 01	L	1 51	CNC 2
171	20	Fr.	4 06	C	7 25	O	15 19	14	0 $\frac{3}{4}$	1 $\frac{1}{4}$	9 40	K	2 43	LEO 3
172	21	Sa.	4 07	C	7 25	O	15 19	14	1 $\frac{1}{2}$	2	10 15	K	3 35	LEO 5
173	22	E	4 07	C	7 25	O	15 19	14	2 $\frac{1}{4}$	3	10 49	J	4 26	VIR 6
174	23	M.	4 07	C	7 25	O	15 18	14	3 $\frac{1}{4}$	3 $\frac{3}{4}$	11 22	H	5 17	VIR 7
175	24	Tu.	4 07	C	7 25	O	15 18	14	4 $\frac{1}{4}$	4 $\frac{3}{4}$	11 $\frac{P}{M}$ 56	G	6 09	LIB 8
176	25	W.	4 08	C	7 26	O	15 18	13	5 $\frac{1}{4}$	5 $\frac{3}{4}$	—	—	7 02	LIB 9
177	26	Th.	4 08	C	7 26	O	15 18	13	6 $\frac{1}{4}$	6 $\frac{3}{4}$	12 $\frac{A}{M}$ 33	F	7 56	SCO 10
178	27	Fr.	4 08	C	7 26	O	15 17	13	7 $\frac{1}{4}$	7 $\frac{3}{4}$	1 13	F	8 52	SCO 11
179	28	Sa.	4 09	C	7 26	O	15 17	13	8 $\frac{1}{4}$	8 $\frac{3}{4}$	1 58	E	9 48	SGR 12
180	29	E	4 09	C	7 26	O	15 17	12	9 $\frac{1}{4}$	9 $\frac{1}{2}$	2 48	E	10 47	SGR 13
181	30	M.	4 10	C	7 26	O	15 16	12	10 $\frac{1}{4}$	10 $\frac{1}{2}$	3 $\frac{A}{M}$ 44	D	11 $\frac{P}{M}$ 43	CAP 14

JUNE hath 30 days.

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FASHION SHOW

Erect and delicate, the flower
 Draws round her form
 The windless, shining air;
 And it is I, not she,
 Stand thinking what could be:

Behind this perfect hour,
 The inevitable storm,
 The shattering, scattering, there,
 Of what had learned to be
 Perfection's ecstasy.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
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1	E	Trin. S. Nico- mede	The full "Hot" moon	Fair
2	M.	rides low	♁♂♂ Tides {10.4 11.7	curious
3	Tu.	Hol. Fla., La., Miss., Tenn., Tex., Va.	Disc. 1070 A. D.	sweet
4	W.	Onward Christian Soldiers	Corpus Christi	air,
5	Th.	first sung 1865	Tides {10.9 9.6	then
6	Fr.	Lusitanla Launch 1906	{10.4 9.3	whirlwinds
7	Sa.	Laurel blooms So. N.E.	Ice cream adv. in N.Y.	{9.8 9.1 the
8	E	2nd of ♀.	1786	{9.2 8.9 trees in
9	M.	Odd moon eclipse 1816	♁ on Eq. Tides {8.8 8.8	pieces
10	Tu.	Earliest sunrises 10-20th	♁♁♁ Tides {8.4 8.9	tear.
11	W.	St. Barnabas	♁ in Apo. {8.2 9.0	Now that
12	Th.	Something strange may bring a happy change	♀ in ♁	silent
13	Fr.	♁♂♂ ♀ Gr. Hel. Lat. S	♁♀♁ {8.3 9.4	sound
14	Sa.	Flag Day	♁ Gr. Hel. Lat. S. Tides {8.4 9.7	of
15	E	2nda. Tr.	Father's Day Hol. Ida.	clouds
16	M.	♁ runs high	♀ in Peri. ♁♀♁ {8.7 9.2	upon
17	Tu.	Bunker Hill Day	Hol. 1 Co. Mass. Tides {8.9 10.4	the
18	W.	Longest	♁♀♁ Sup. {9.2	ground.
19	Th.	Days - 20th 21st & 22nd	♁ Stat. in R.A. {10.6 9.4	Mutable
20	Fr.	♁♁♁ Hol. W. Va.	Tides {10.6 9.6	but
21	Sa.	Summer 4.57 begins p.m.	♁ on ♁	beautiful-
22	E	4 tha. ♀.	Latest sunsets {10.5 9.9	Quick
23	M.	Donat's Comet 1858	♁ on Eq. {10.2 10.1	get back,
24	Tu.	John the Baptist born	Tides {10.0 10.2	the horizon's
25	W.	Latest Sunsets 25-30th	♁♁♁ Tides {9.8 10.4	black.
26	Th.	♁ in Peri.	♁♀♁ Tides {9.6 9.6	People
27	Fr.	Newburyport Torn. 1808	♀ Gr. Hel. Lat. N. {9.6 10.9	old will
28	Sa.	[29th rides low	♁♂♁ {9.7 11.2	feel
29	E	4 tha. T.	Marry today good luck always {9.8 11.3	the
30	M.	Bidwell 20 mile bike record 1 hr. 25 min. 1886	{9.9 11.4	cold.

They still call it the King's Highway in some places. In other places the Forest Road, in others the Winter Road. It goes a long piece as we have found, but where this ancient way really began and where it ended in its active days we can only guess. We trace it now over logging roads between mossy stonewalls.

We try to people old roads, as we do old houses, with folks that used them. And this is how we people the King's Highway. It was the Drovers road down from Canada, with the herds of cattle brought in from Canada—cropping as they went, the drover in his wagon with his food and tarpaulin in the back and his collie keeping the cattle on the move. The cattle he will sell in the great towns of Massachusetts and Connecticut—but they must go slowly along this way to stay fat and sleek. He is an old hand at this, our drover. Farmers Jones, Smith, Silver have seen him before and dealt with him. And they have pasturage for his kine for as long as he may ask and pay for.

But what he must look to is the week or so of long pasturage which he will find on the mountain slope still ahead of him. He will find it and the mountain, even now a series of mountain pastures because he and his brother drovers used them, and no better for the years of browsing.

So we picture the King's Highway. But we wonder they never called it the Drovers' Trail.

There are two full moons next month.

1958]

JULY, SEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	23	N.07	7	22 36	13	21 51	19	20 52	25	19 41					
2	23	03	8	22 29	14	21 42	20	20 42	26	19 28						
3	22	58	9	22 22	15	21 33	21	20 31	27	19 15						
4	22	53	10	22 15	16	21 23	22	20 19	28	19 01						
5	22	48	11	22 07	17	21 13	23	20 07	29	18 47						
6	22	42	12	21 59	18	21 03	24	19 54	30	18 32						

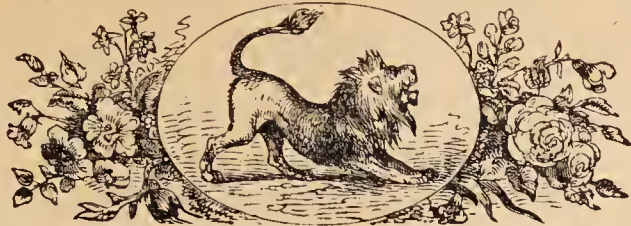
- Full Moon, 1st day, 1 h. 04 m., morning, W.
- ☾ Last Quarter, 8th day, 7 h. 21m., evening, E.
- New Moon, 16th day, 1 hr. 33 m., evening, W.
- ☽ First Quarter, 23rd day, 9 h. 19 m., morning, E.
- Full Moon, 30th day, 11 h. 47 m., morning E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun. m.	Full Sea, Boston.		D	Key	D	D's
			Rises.	Key	Sets.	Key			Morn.	Even.				
182	1	Tu.	4 10	C	7 25	N	15 15	12	11	11 ¹ / ₄	rises	—	—	—
183	2	W.	4 11	C	7 25	N	15 15	12	11 ³ / ₄	—	8 ^P _M 14	L	12 ^A _M 37	CAP 15
184	3	Th.	4 11	C	7 25	N	15 14	12	0	0 ³ / ₄	8 50	L	1 29	AQR 16
185	4	Fr.	4 12	C	7 25	N	15 13	11	0 ³ / ₄	1 ¹ / ₂	9 22	K	2 17	AQR 17
186	5	Sa.	4 12	C	7 25	N	15 12	11	1 ³ / ₄	2 ¹ / ₄	9 51	J	3 03	PSC 18
187	6	E	4 13	C	7 24	N	15 11	11	2 ¹ / ₂	3	10 19	I	3 47	PSC 19
188	7	M.	4 14	C	7 24	N	15 10	11	3 ¹ / ₄	3 ³ / ₄	10 46	H	4 30	PSC 20
189	8	Tu.	4 14	C	7 24	N	15 09	11	4	4 ¹ / ₂	11 15	G	5 12	ARI 21
190	9	W.	4 15	C	7 23	N	15 08	11	4 ³ / ₄	5 ¹ / ₂	11 ^P _M 45	G	5 55	ARI 22
191	10	Th.	4 16	D	7 23	M	15 07	11	5 ³ / ₄	6 ¹ / ₄	—	—	6 39	TAU 23
192	11	Fr.	4 16	D	7 22	M	15 06	10	6 ³ / ₄	7	12 ^M _M 18	F	7 25	TAU 24
193	12	Sa.	4 17	D	7 22	M	15 05	10	7 ¹ / ₂	8	12 55	E	8 13	TAU 25
194	13	E	4 18	D	7 21	M	15 03	10	8 ¹ / ₂	8 ³ / ₄	1 37	E	9 03	G ¹ _M 26
195	14	M.	4 19	D	7 21	M	15 02	10	9 ¹ / ₄	9 ¹ / ₂	2 26	D	9 55	G ¹ _M 27
196	15	Tu.	4 19	D	7 20	M	15 01	10	10	10 ¹ / ₄	3 ^A _M 21	E	10 48	CNC 28
197	16	W.	4 20	D	7 19	M	14 59	10	10 ³ / ₄	11	sets	—	11 ^A _M 42	CNC 29
198	17	Th.	4 21	D	7 19	M	14 58	10	11 ¹ / ₂	11 ³ / ₄	7 ^P _M 39	L	12 ^P _M 36	LEO 1
199	18	Fr.	4 22	D	7 18	M	14 55	10	—	0 ¹ / ₄	8 16	K	1 30	LEO 2
200	19	Sa.	4 23	D	7 17	M	14 54	10	0 ¹ / ₂	1	8 52	J	2 22	VIR 3
201	20	E	4 24	D	7 16	M	14 53	10	1 ¹ / ₄	1 ³ / ₄	9 26	I	3 14	VIR 4
202	21	M.	4 25	D	7 16	M	14 51	9	2	2 ¹ / ₂	10 00	H	4 06	LIB 5
203	22	Tu.	4 26	D	7 15	M	14 49	9	3	3 ¹ / ₂	10 36	G	4 59	LIB 6
204	23	W.	4 27	D	7 14	M	14 47	9	4	4 ¹ / ₂	11 14	F	5 52	SCO 7
205	24	Th.	4 28	D	7 13	M	14 46	9	5	5 ¹ / ₂	11 ^P _M 57	E	6 47	SCO 8
206	25	Fr.	4 29	D	7 12	M	14 44	9	6	6 ¹ / ₂	—	—	7 43	SGR 9
207	26	Sa.	4 29	D	7 11	M	14 42	9	7	7 ¹ / ₂	12 ^A _M 43	E	8 39	SGR 10
208	27	E	4 30	D	7 10	M	14 40	9	8	8 ¹ / ₂	1 36	D	9 34	CAP 12
209	28	M.	4 31	D	7 09	L	14 38	9	9	9 ¹ / ₄	2 33	E	10 28	CAP 13
210	29	Tu.	4 32	E	7 08	L	14 36	9	10	10 ¹ / ₄	3 ^A _M 34	E	11 ^P _M 20	AQR 14
211	30	W.	4 33	E	7 07	L	14 34	9	10 ³ / ₄	11	rises	—	—	—
212	31	Th.	4 34	E	7 06	L	14 31	9	11 ¹ / ₂	11 ³ / ₄	7 ^P _M 21	K	12 ^A _M 09	AQR 15

JULY hath 31 days.

[1958



INTERVAL

Now, at the noon's high hour,
Time's wheel being stopped and still,
The bland, enormous sky
Leans over the green hill,
To contemplate the flower.

The troubled man, hard by,
Gives over, in this hour,
And has but the sky's will
To bend above the flower,
As though the mind were sky.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	Dominion The Full Day "Buck" Moon	{ 9.9 All { 11.3
2	W.	Visit. of Mary	Tides { 9.9 signs
3	Th.	Constantine won 323 AD	{ 11.0 fail
4	Fr.	Lee lost Gettysburg 1863	{ 9.8
5	Sa.	Ind. Day Old Hannibal D. 1858	{ 10.7 in a { 9.7
6	E	Barnum B. 1810	⊕ in { 10.2 dry Aph. { 9.5
7	M.	6th S.a. P. on Eq.	Tides { 9.7 { 9.3 time.
8	Tu.	St. Frances S.S.U.S. Atlantic	{ 9.2 Hot,
9	W.	Cabrini Rec. 3D. 10H. '52	{ 9.1
10	Th.	If you can't bite, don't show your teeth	⊕ in Tides { 8.8 faint, Apo { 9.0
11	Fr.	Kansas flood 1904	♂ ♀ ♂ in Peri { 8.4 and { 9.0
12	Sa.	"The Liberty Tree might be planted down the main hatch" 1805	{ 8.1 unwholesome. { 9.0 { 8.0 The clouds { 9.4 watery
13	E	6th S.a. T. Hol. Tenn.	{ 8.2 buckets are { 9.7
14	M.	Stat. runs in R.A.	♂ ♀ ♀ high { 8.5 filling, { 10.0
15	Tu.	St. Swithin if rain forsooth no summer drouth	{ 8.8 not { 10.4
16	W.	[15th ☐ ♃ ☉]	Tides { 9.2 spilling. { 10.7
17	Th.	Women's Decl. of Independence	♂ ♂ ♀ { 9.6 The rain { 10.9
18	Fr.	By Eliz. Stanton 1848	♂ ♀ ♀ { 9.9 these { 11.0 days is { 10.2
19	Sa.	St. Margaret	♂ ♀ in Eq. { 11.0 surely { 10.4
20	E	Mary Magdalene	♂ ♀ ♀ in Peri. { 9.5 profane. { 10.4
21	M.	97 day NY-SF	♂ ♀ ♀ Tides { 10.4 Heaven's { 10.5
22	W.	Record by Clipper Seawitch 1850	Hol. Utah weather's
23	Th.	James & Christopher Begin	Dog days ☐ ♀ ☉ dire.
24	Fr.	Gr. EL E.	♂ ♀ ♀ { 9.2 Sputtering { 10.5
25	Sa.	St. h C	{ 9.2
26	E	St. h C	♂ ♀ ♀ runs low { 9.2 lamps { 10.7
27	M.	Lightning struck New Haven Church Cong. 1771	{ 9.3 will { 10.8
28	Tu.	Nlagara susp. Br. Comp. 1848	Tides { 9.5 proclaim { 10.9
29	W.	♂ in The full	♂ Aph. Sturgeon Moon approach of
30	Th.	Ponies penned Assatcague, Va.	Tides { 9.5 rain. { 10.6

We look out at our world just at sunset. There is a roll of thunder. The leaves of the maples jump as the first swollen drops begin to fall. A fitful squall lashes and then dies.

Our fields are ploughed, harrowed, seeded. And there is nothing now that we can do for these fields of ours. We need rain, surely, but as light dims, we see the first churning clouds above, and behind, the sullen, solid bar of the true storm, a grey wall with bullets of rain.

No robins sing, but the swallows squeak and jibber and soar and swoop and flitter like bats in the face of the weather. Mindless morons of the air while we wait and worry.

Before the grey wall of cloud the lightning flicks the mountain. We must think as simply and as philosophically as our brother tiller of the soil from an age on the verge of man's being: that we may plant this good earth, but there is no surety of its reaping.

Only the swallows give welcome gladly, for the storm is their brother — though our barn is their haven. No haven for my seeds and my furrows, but just the prayer of the sower.

This we must know, and take such comfort in it as we may, that though our seeding, growing, harvesting are planned things, there are always the seeds of chance that are sowed along with our seeds — and always will be. Yet the odds are for us.

1958]

AUGUST, EIGHTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
	1	18n.02		7	16 09	13	14 23	19	12 28	25
2	17 47		8	15 52	14	14 04	20	12 08	26	10 05
3	17 31		9	15 35	15	13 45	21	11 48	27	9 44
4	17 15		10	15 17	16	13 26	22	11 28	28	9 23
5	16 59		11	14 59	17	13 07	23	11 08	29	9 02
6	16 26		12	14 41	18	12 48	24	10 47	30	8 40

☾ Last Quarter, 7th day, 12 h. 49 m., evening, W.

● New Moon, 14th day, 10 h. 33m., evening, W.

☽ First Quarter, 21st day, 2 h. 45 m., evening, E.

○ Full Moon, 29th day, 12 hr. 53 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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

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SEPTEMBER, NINTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			Days.		
	0	/		0	/		0	/		0	/		0	/	
	1	8N.	18	7	6	06	13	3	49	19	1	30	25	0	50
	2	7	57	8	5	43	14	3	26	20	1	06	26	1	13
	3	7	35	9	5	20	15	3	03	21	0	43	27	1	37
	4	7	13	10	4	58	16	2	40	22	0N.	20	28	2	00
	5	6	50	11	4	35	17	2	16	23	0S.	04	29	2	23
	6	6	28	12	4	12	18	1	53	24	0	27	30	2	46

☾ Last Quarter, 6th day, 5 h. 24 m., morning, E.

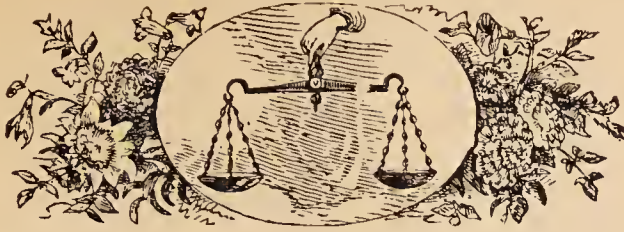
● New Moon, 13th day, 7 h. 02 m., morning, E.

☽ First Quarter, 19th day, 10 h. 17 m., morning, E.

○ Full Moon, 27th day, 4 h. 43 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun P.A.S.L.	Full Sea. Boston.		☽	☽	☽'s	Moon's Age		
			Rises.	Key	Sets.	Key			Morn	Even					Rises.	Key
			h.	m.	h.	m.	h.	m.	h.	h.	h.	m.	h.	m.	Place	Age
244	1	M.	5	08	G	6 20	K	13 11	16	0 $\frac{3}{4}$	1	7 $\frac{P}{M}$ 48	G	1 $\frac{A}{M}$ 47	ARI	17
245	2	Tu.	5	09	G	6 18	K	13 09	16	1 $\frac{3}{4}$	1 $\frac{3}{4}$	8 18	F	2 30	ARI	18
246	3	W.	5	10	G	6 16	K	13 06	16	2	2 $\frac{1}{4}$	8 52	F	3 14	TAU	19
247	4	Th.	5	11	G	6 15	K	13 03	17	2 $\frac{3}{4}$	3	9 29	E	3 49	TAU	20
248	5	Fr.	5	12	H	6 13	J	13 00	17	3 $\frac{1}{2}$	4	10 10	E	4 46	TAU	21
249	6	Sa.	5	14	H	6 11	J	12 58	17	4 $\frac{1}{2}$	4 $\frac{3}{4}$	10 57	E	5 34	G'M	22
250	7	E	5	15	H	6 09	J	12 55	18	5 $\frac{1}{4}$	5 $\frac{3}{4}$	11 $\frac{P}{M}$ 51	E	6 25	G'M	23
251	8	M.	5	16	H	6 08	J	12 52	18	6 $\frac{1}{4}$	6 $\frac{1}{2}$	—	—	7 16	CNC	24
252	9	Tu.	5	17	H	6 06	J	12 49	18	7 $\frac{1}{4}$	7 $\frac{1}{2}$	12 $\frac{A}{M}$ 50	E	8 09	CNC	25
253	10	W.	5	18	H	6 04	J	12 46	19	8	8 $\frac{1}{2}$	1 54	F	9 03	LEO	26
254	11	Th.	5	19	H	6 02	J	13 43	19	9	9 $\frac{1}{4}$	3 02	G	9 57	LEO	27
255	12	Fr.	5	20	H	6 01	J	12 41	19	9 $\frac{3}{4}$	10 $\frac{1}{4}$	4 $\frac{M}{M}$ 14	H	10 51	VIR	29
256	13	Sa.	5	21	H	5 59	J	12 38	20	10 $\frac{1}{2}$	11	sets	—	11 $\frac{A}{M}$ 46	VIR	0
257	14	E	5	22	H	5 57	J	12 35	20	11 $\frac{1}{4}$	11 $\frac{3}{4}$	6 $\frac{P}{M}$ 33	H	12 $\frac{P}{M}$ 41	LIB	1
258	15	M.	5	23	H	5 55	J	12 32	20	—	0 $\frac{1}{4}$	7 12	G	1 38	LIB	2
259	16	Tu.	5	24	H	5 54	J	12 29	21	0 $\frac{1}{2}$	1	7 54	F	2 24	SCO	3
260	17	W.	5	25	I	5 52	I	12 27	21	1 $\frac{1}{2}$	1 $\frac{3}{4}$	8 39	E	3 32	SCO	4
261	18	Th.	5	26	I	5 50	I	12 24	22	2 $\frac{1}{4}$	2 $\frac{3}{4}$	9 30	E	4 29	SGR	5
262	19	Fr.	5	27	I	5 48	I	12 21	22	3 $\frac{1}{4}$	3 $\frac{3}{4}$	10 24	E	5 25	SGR	6
263	20	Sa.	5	28	I	5 46	I	12 18	22	4 $\frac{1}{4}$	4 $\frac{3}{4}$	11 $\frac{P}{M}$ 22	E	6 20	CAP	7
264	21	E	5	29	I	5 45	I	12 15	23	5 $\frac{1}{2}$	5 $\frac{3}{4}$	—	—	7 12	CAP	9
265	22	M.	5	30	I	5 43	I	12 12	23	6 $\frac{1}{2}$	7	12 $\frac{A}{M}$ 21	E	8 02	AQR	10
266	23	Tu.	5	32	I	5 41	I	12 10	23	7 $\frac{1}{2}$	8	1 22	F	8 49	AQR	11
267	24	W.	5	33	I	5 39	I	12 07	24	8 $\frac{1}{2}$	8 $\frac{3}{4}$	2 22	G	9 35	PSC	12
268	25	Th.	5	34	I	5 38	I	12 04	24	9 $\frac{1}{4}$	9 $\frac{1}{2}$	3 21	G	10 19	PSC	13
269	26	Fr.	5	35	I	5 36	I	12 01	24	10	10 $\frac{1}{4}$	4 $\frac{M}{M}$ 20	H	11 02	PSC	14
270	27	Sa.	5	36	I	5 34	I	11 58	25	10 $\frac{3}{4}$	11	rises	—	11 $\frac{P}{M}$ 45	ARI	15
271	28	E	5	37	I	5 32	I	11 55	25	11 $\frac{1}{4}$	11 $\frac{1}{2}$	5 $\frac{P}{M}$ 50	G	—	—	—
272	29	M.	5	38	I	5 31	I	11 53	25	11 $\frac{3}{4}$	—	6 20	G	12 $\frac{A}{M}$ 28	ARI	16
273	30	Tu.	5	39	J	5 29	II	11 50	26	0 $\frac{1}{4}$	0 $\frac{1}{2}$	6 $\frac{P}{M}$ 53	F	1 $\frac{A}{M}$ 11	TAU	17



Already it is late — so soon!
 Already summer's golden noon
 Goldens to something less — and more:
 To something tall and golden-plumed,
 Gazing across the early doomed,
 At you and me, here at our door . . .

Come, now, the time is late; come in,
 Nothing will be that has not been,
 Year after year, for us to mark:

The light diminished, and the sound
 Of rains wherein all gold is drowned,—
 And we two, listening through the dark,

Thinking of gold we've hid away,
 Whose name we have no need to say.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	M.	Labor Day ♀ Stat. {9.8 In R.A. {9.8	Sudden
2	Tu.	Wheat prices guar. 1918 ♂ in Apo. Tides {9.5	frost
3	W.	Stock Market high 1929 Tides {9.1 {9.5	by which
4	Th.	♂♂♂ ♀♀♀ Tides {8.7 {9.3	many
5	Fr.	Fog days end 1813 Teeumseh died 1813 {8.4 {9.2	plants
6	Sa.	Wm. Kidd sailed vs. French as privateer 1696 {8.1 {9.0	are
7	E	14th a. T. ♂ runs high Tides {8.0 {9.1	lost.
8	M.	Nativ Mary ♀ in ♂ Maine elections {8.1 {9.3	Rains
9	Tu.	♂ Gr. El. N.H. Hol. W. elections Calif. {9.0 {10.1	easy, gutters
10	W.	Your best guide is your conscience ♂♂♂ {9.0 {10.1	busy.
11	Th.	U.S. Cabinet resigns 1841 ♀ in Peri {9.0 {10.0	Winds and
12	Fr.	♂♂♂ ♂♂♂ ♂♀♂♂ ♀ in Hol. Peri. Md. {10.9 {11.3	foggy,
13	Sa.	Lusitania maiden voyage 1907 ♂ on Eq. {11.4 {11.4	time
14	E	16th a. ♀. Holy Cross ♂ in Peri {11.4 {11.4	time
15	M.	Jewish New Year Ember Week Tides {11.6 {11.6	for a
16	Tu.	♂♀♂ ♂♂♂ ♂♀♂♂ Hol. Okla. {11.2 {11.6	toddy,
17	W.	Citizens' Day 1938 Hurricane Tides {10.9 {11.4	Trying
18	Th.	Garbo B. 1905 ♀♀♀♂♂♂ Tides {10.3 {10.9	times
19	Fr.	♂ h ♂♂♂ ♂♀♂♂♂ Tides {9.7 {10.4	in north-
20	Sa.	"Oh solitude where are thy charms?" 1676 {9.2 {10.0	erly
21	E	16th a. T. Minute Men named 1774 {8.8 {9.7	climes.
22	M.	"My loved, my long lost britches" 1815 {8.7 {9.5	Ladies
23	Tu.	Fall 8, 10 begins A.M. ♂ en- ters ♀ Gr. Hel. Lat. N. {9.1 {9.6	take heed
24	W.	Yom Kippur Day and night about equal Am. Indian Day Tides {9.3 {9.7	lay down
25	Th.	Day The Full "Harvest" Moon D.S.T. ends some places {9.6 {9.7	your fans,
26	Fr.	18th a. ♀. D.S.T. ends some places {9.6 {9.7	take up
27	Sa.	Michaelmas First day Succoth ♂ in Apo. {9.5 {10.0	warm-
28	E	18th a. ♀. Ruth's 60th home run 1927 {9.5 {10.0	ing pans.
29	M.		
30	Tu.		

As a boy I would be put in our silo to tread down the corn silage. Those great corn cobs were really punishment as they came whistling down at me out of the blower and bounced off my cranium. But the good smell of it! Almost a taste it smelled so much. All flavor. I had shredded corn stalks and cobs down the back of my neck, and my eyes itched—and I loved it.

The real fun, though, every year, was to see the hens get drunk. There was always a leakage from the silo base, our Plymouth Rocks, with the run of the barnyard, would be a-sipping and tipping at the sun-brewed juice. You see it took some time for the silo wood to swell enough to calk the leaks. And how those silly, human birds did go to that brew.

At noontime when I crawled up the ladder and looked down to the barn yard, there would be the whole flock flopped as flat as pancakes or leaning up against the fence posts—all over the yard. Well, it was just a fact.

But here's a fact, too, those hens made the best roasters and fricassee you ever tasted. We got to know this, and always saved a lot of our birds till they'd had a full week of silage juice at least.

One old-timer tells me he has a great rooster that's sipped his silage for the last twenty years. "I can't kill him," he says, "He just looks forward to this. Keeps him going. Figure he'll live to be ninety-two." That's seems improbable. He may go eighty.

1958]

OCTOBER, TENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.			Days.		
	0	/		0	/		0	/		0	/		0	/	
	1	3s.	10	7	5	29	13	7	43	19	9	56	25	12	05
	2	3	33	8	5	52	14	8	06	20	10	18	26	12	26
	3	3	56	9	6	14	15	8	28	21	10	40	27	12	47
	4	4	19	10	6	36	16	8	50	22	11	02	28	13	08
	5	4	42	11	6	58	17	9	13	23	11	23	29	13	28
	6	5	05	12	7	21	18	9	34	24	11	44	30	13	47

☾ Last Quarter, 5th day, 8 h. 20 m., evening, E.

● New Moon, 12th day, 3 h. 52 m., evening, W.

☽ First Quarter, 19th day, 9 h. 07 m., morning, E.

○ Full Moon, 27th day, 10 h. 41 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

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



TURNINGS

... Then, there was all sound
Turning to silence . . . Then,
All motion, everywhere,
Sighing to rest . . . And then,
Tired, wandering light that found
The dark, and rested there.

So, autumn, then . . . And I,
Out too late, alone,
What was I to do,
A man abroad, alone,
But flee that earth and sky,
To what but you?

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	W.	Next weekend Tides {9.2 best fall foliage {9.9	Winter
2	Th.	Wilson's stroke 1919 ♂♂ {9.0 5th N.Y. World Fair's 1858 {9.7	spends what
3	Fr.	brilliant burning close ♀ Gr. Hcl. Lat. S.,	
4	Sa.	St. Francis cruns {8.5 D'Assissl ♄ high {9.3	summer
5	E	18th a. T. ♂♂♂ Sup. {8.3 California gold Hol. {9.2	lends.
6	M.	rush began 1848 Mo. {8.3 Simchath Grant Statue {9.1	Stand
7	Tu.	Torah unveiled 1891 {8.5 Larsen's no hit {9.3	by,
8	W.	World Series Game 1956 ♂♂♂ hear	
9	Th.	Abraham ♂ Stat. Tides {9.5 in R.A. {10.1	the
10	Fr.	1st mail, St. Louis Hol. {10.2 S.F. 1858 Okla. {10.6	storm
11	Sa.	♄ on Eq. [12th ♄ Inl. ♂♀♄] Hol. sigh. Eq. th ♄ Per. ♂♀♄] Neh.	
12	E	20th a. ♃. Columbus Day ☉ Total eclipse	
13	M.	♂♀♄ ♂♂♄ ♂♂♄ {11.9 17th-last torp. Alaska {11.3	If you
14	Tu.	vessel 1918 Elcc. {12.0	won't
15	W.	Adm. Sims Hazel Tides {11.1 D. 1858 1954 {11.9	reckon
16	Th.	♀ in ♃ ♂ h♄ Tides {10.7 {11.5	with
17	Fr.	Vole. Kottenga ♄ rides {10.2 erupt. 1758 low {10.9	weather
18	Sa.	St. Luke's Little Summer Tides {9.6 {10.3	it will
19	E	20th a. T. Mission Sunday ♂♀♂ reckon	
20	M.	Violent storms, 1770. {8.8 1869, 1944 {9.3	with you.
21	Tu.	Wilful waste makes {8.7 woeful want {9.0	Evenings
22	W.	Panic of 1907 ♂♀♂ Tides {8.8 {9.0	gray,
23	Th.	World created Tides {9.0 4004 B.C. {9.0	mornings
24	Fr.	U. N. DAY ♄ on Eq. Tides {9.3 {9.1	red
25	Sa.	[26th ♄ in ♀ Aph.] {9.5 lth Apo. ♀ Aph.] {9.1	don your
26	E	22nd S. a. ♃. D.S.T. ends hat or all places	
27	M.	T.R. The Full Moon {9.9 born 1858 "Hunter's" Moon {9.1	wet
28	Tu.	Simon & Jude ♂♂♂ Tides {10.0 1929 {9.1	and
29	W.	crash ♂♂♂ Tides {10.0	freeze
30	Th.	John Brown treason Tides {9.0 trial 1859 {10.0	your
31	Fr.	Halloween ♄ runs ♂♀♂ Hol. head. high ♄♀♂ Nev.	

I am thinking of the colors of this world, that they are what the eye sees, yes—but far more than that. What the eye sees is constantly changing, as it is from this window of mine that looks to the mountain. An Autumn carpet of color and the flaming mountain; the snow white of winter and purple and blue snow when you step through it, the menacing black of pines above snow, or green-black ice; a garden of spring and tender greens and gold—the steady green of summer.

But color is not for the eye alone. All our senses know color and react to them in ways that pattern and interpret our lives. Think of the symbols of our lives that live in color. There is a title of Stephen Crane's, "The Red Badge of Courage," and much else, of course, that red is the symbol of: there is white for purity; and black for sin and death.

Perhaps we use no words more frequently nor to cover a wider range of thought than the "color" words. A man "colors" the truth—and he is a liar. A man is a "colorful" character and is not just gray. And whether this man speaks with the tongue of an angel—or the growl of a dyspeptic—he speaks in color. Music is pure color and lives and dies and lingers with us as surely as dawn and sunset.

I should love the song of birds, if all birds were stone-colored, but much would be lost, no matter how sweet they sang, if they were all stone-colored—and their songs had no color of their own.

1958]

NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.			Days.			Days.			Days.					
	0	'	/"	0	'	/"	0	'	/"	0	'	/"			
	1	14s.	24	7	16	16	13	17	58	19	19	28	25	20	45
	2	14	43	8	16	33	14	18	13	20	19	42	26	20	56
	3	15	02	9	16	51	15	18	28	21	19	55	27	21	08
	4	15	21	10	17	08	16	18	44	22	20	08	28	21	19
	5	15	39	11	17	25	17	18	59	23	20	21	29	21	29
	6	15	58	12	17	42	18	19	13	24	20	34	30	21	39

☾ Last Quarter, 4th day, 9 h. 19 m., morning, W.

● New Moon, 11th day, 1 h. 34 m., morning, E.

☽ First Quarter, 17th day, 11 h. 59 m., evening, W.

○ Full Moon, 26th day, 5 h. 16 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	☉ Sets. h. m.	☉ Key	☽ Rises. h. m.	☽ Sets. h. m.	☽ Key	Length of Days. h. m.	Sun. Post. m.	Full Sea, Boston. Morn. h. Even. h.	☽ Rises. h. m.	☽ Key	☽ Souths. h. m.	☽'s Place	☽'s Moon's Age
305	1	Sa.	6 17	L 4 39	F	10 22	32	1 3/4	2	8 ^P _M 30	E	3 ^A _M 03	G'M	19		
306	2	E	6 18	L 4 37	F	10 20	32	2 1/2	2 3/4	9 27	E	3 53	CNC	21		
307	3	M.	6 19	L 4 36	F	10 17	32	3 1/4	3 1/2	10 28	F	4 44	CNC	22		
308	4	Tu.	6 20	M 4 35	E	10 15	32	4 1/4	4 1/2	11 ^M 32	G	5 34	LEO	23		
309	5	W.	6 21	M 4 34	E	10 12	32	5 1/4	5 1/2	—	—	6 25	LEO	24		
310	6	Th.	6 23	M 4 33	E	10 10	32	6	6 1/2	12 ^M 39	H	7 16	VIR	25		
311	7	Fr.	6 24	M 4 31	E	10 07	32	7	7 1/2	1 49	I	8 08	VIR	26		
312	8	Sa.	6 25	M 4 30	E	10 05	32	8	8 1/2	3 01	J	9 02	LIB	27		
313	9	E	6 27	M 4 29	E	10 03	32	8 3/4	9 1/2	4 15	K	9 58	LIB	28		
314	10	M.	6 28	M 4 28	E	10 00	32	9 3/4	10 1/4	5 ^M 29	L	10 56	SCO	29		
315	11	Tu.	6 29	M 4 27	E	9 58	32	10 1/2	11 1/4	sets	—	11 ^A 56	SCO	0		
316	12	W.	6 30	M 4 26	E	9 56	32	11 1/2	—	5 ^P 58	E	12 ^P 57	SGR	1		
317	13	Th.	6 32	M 4 25	E	9 54	32	0	0 1/4	6 56	E	1 57	SGR	3		
318	14	Fr.	6 33	M 4 24	E	9 51	31	1	1 1/4	7 59	F	2 55	CAP	4		
319	15	Sa.	6 34	M 4 23	E	9 49	31	1 3/4	2	9 02	G	3 50	CAP	5		
320	16	E	6 35	M 4 22	E	9 47	31	2 3/4	3	10 05	H	4 41	AQR	6		
321	17	M.	6 36	M 4 22	D	9 45	31	3 3/4	4	11 ^P 06	I	5 29	AQR	7		
322	18	Tu.	6 38	N 4 21	D	9 43	31	4 1/2	5	—	—	6 15	PSC	8		
323	19	W.	6 39	N 4 20	D	9 41	31	5 3/4	6	12 ^A 06	J	6 59	PSC	9		
324	20	Th.	6 40	N 4 19	D	9 39	30	6 1/2	7	1 05	J	7 41	PSC	10		
325	21	Fr.	6 41	N 4 19	D	9 37	30	7 1/2	7 3/4	2 02	K	8 24	ARI	11		
326	22	Sa.	6 43	N 4 18	D	9 35	30	8 1/4	8 3/4	2 59	L	9 07	ARI	12		
327	23	E	6 44	N 4 17	D	9 33	30	9	9 1/2	3 56	M	9 51	TAU	13		
328	24	M.	6 45	N 4 17	D	9 32	29	9 1/2	10	4 53	M	10 36	TAU	14		
329	25	Tu.	6 46	N 4 16	D	9 30	29	10 1/4	10 3/4	5 ^M 49	M	11 ^P 23	G'M	15		
330	26	W.	6 47	N 4 16	D	9 28	29	10 3/4	11 1/4	rises	—	—	—	—	—	
331	27	Th.	6 48	N 4 15	D	9 27	28	11 1/2	—	5 ^P 34	E	12 ^A 11	G'M	16		
332	28	Fr.	6 50	N 4 15	D	9 25	28	0	0	6 25	E	1 01	G'M	17		
333	29	Sa.	6 51	N 4 14	D	9 24	28	0 3/4	0 3/4	7 21	E	1 51	CNC	18		
334	30	E	6 52	N 4 14	D	9 22	27	1 1/4	1 1/2	8 ^P 21	F	2 ^A 41	CNC	19		



AS THOUGH THE RAIN WERE LOVE

I tell you of a tree that prolonged the shower,
 After the shower was over,
 In a slow wind that troubled her like a lover,
 Though the wind was very light and lacked the power
 To move her very much; it was just enough
 To spill the pendant drops.
 Like rain remembered after the rain stops,
 Like love remembered after the end of love.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	All Saints Tides {8.7	The wind
2	E	22nda. T. All Souls {8.6	sounds
3	M.	Canada ceded to England 1762 Tides {8.6	like rain
4	Tu.	Will Rogers ♄ ♃ ♁ Gen. elections and	
5	W.	Fawkes Gunpowder plot Day we hant forgot {8.9	waves
6	Th.	Animals are ♄ ♃ ♁ Tides {9.3	roar
7	Fr.	hibernating ♁ on Eq. {9.9	along the
8	Sa.	♄ in ♀ nearest Earth Tides {10.6	rocky
9	E	24tha. ♃. ♁ ♃ ♁ {11.2	shore.
10	M.	♄ ♃ ♁ ♁ in Perl. {11.7	Snow's
11	Tu.	Vet.'s D. ♄ ♃ ♁ ♃ Sup. {12.0	on
12	W.	♄ ♃ Highest high tide of year {12.1	the ground,
13	Th.	Indian Sum. 13-20th ♄ ♃ ♁ Tides {10.6	it's white
14	Fr.	Prot. conv. cond. rem. IGWT from colls 1907 {10.4	all'round.
15	Sa.	Old Thomas Parr died 1635-Age 152 Yrs. 9 Mos. {10.8	You
16	E	24tha. T. ♃ Gr. Hel. Lat. S. ♄ ♃ ♁ now	
17	M.	Harrisburg European torn. 1918 meteor 1955 {9.2	feel what
18	Tu.	Severe winter of 1798 began Tides {8.9	you
19	W.	U.S. Fishing Rights won by Adams 1782 {8.8	don't
20	Th.	♀ Gr. El. ♁ on Eq. Tides {8.8	expect.
21	Fr.	Mayflower Gale of Compact 1848 Tides {9.0	Before
22	Sa.	Essex abandoned 1820 ♂ Stat. in R.A. Tides {9.2	cold
23	E	25tha. T. ♁ in Apo. Day, Md. Repud. Boreas	
24	M.	1950-Greatest catastrophe N.E. Ins. Cos. 3 day storm Herod D. 4 B.C. ♄ ♃ ♁ Tides {9.6	fly or fall
25	Tu.	Derod D. 4 B.C. ♄ ♃ ♁ Tides {8.8	and die.
26	W.	The Full "Beaver" Moon {10.0	
27	Th.	Thanksgiving Day ♁ runs high {10.1	Malig-
28	Fr.	Dr. Harris revealed secrets of Termites 1849 ♀ in ♀ {10.1	nant rain,
29	Sa.		or snow.
30	E	1st S. Advent St. Andrew ♂ Stat. in R.A.	

We have seen a great many extraordinary things in our forests and our fields.

There was the white black-bird. There was a mink climbing a tree. There was the beaver that we interviewed as he waddled through our barnyard. He said he was fresh out of popple and birch and was looking for a new gnawing ground with the chance of good second story water. There was the night of the yellow moon when the robins sang from dark till dawn. And there was our old cat and his friend the fox.

Here's the story of my cat "Scamp" and his friend the fox. We didn't know that "Scamp" was mixing with the wildlife until one day when we were out in the orchard gathering the prunings. There was a bark and a yawl—that's the way a fox barks.

Joe said, "That's the way a phasam (Joe's name for pheasant) calls. Must be a phasam."

We said it was a fox, and it was. But not just a fox. There was my old cat, nose to nose with the fox. My cat had had his tail a-switch in a comfortable friendly way. And the fox was yawling and barking back. We broke them up, for I thought anything could happen. It didn't.

A few days later we saw them going rubbing shoulder to shoulder down our lane, to catch mice together in our orchards.

And a few days later our fox was dead. Shot under our "No Shooting Sign" by my good friend who had no respect for cats and foxes.

1958]

DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.		0 /		Days.		0 /		Days.		0 /		Days.		0 /	
	1	21	49	7	22	37	13	23	08	19	23	26	25	23	28	23
2	21	58	8	22	44	14	23	12	20	23	27	26	23	26	23	26
3	22	06	9	22	49	15	23	16	21	23	28	27	23	24	23	24
4	22	14	10	22	54	16	23	19	22	23	28	28	23	22	23	22
5	22	22	11	22	59	17	23	22	23	23	28	29	23	19	23	19
6	22	30	12	23	04	18	23	24	24	23	28	30	23	16	23	16

☾ Last Quarter, 3rd day, 8 h. 24 m., evening, E.

● New Moon, 10th day, 12 h. 23 m., evening, W.

☽ First Quarter, 17th day, 6 h. 52 m., evening, W.

○ Full Moon, 25th day, 10 h. 54 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 102-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

Day of Year	Day of Month	Day of the Week	☉		☽		Length of Days.	Sun. Morn.	Full Sea. Even.	☽	Key	☽	D's	Moon's	
			Rises. h. m.	Key	Sets. h. m.	Key									Rises. h. m.
335	1	M.	6 53	N	4 14	D	9 21	27	2 21 ¹ / ₄	9 ^P _M 23	G	3 ^A _M 31	LEO	20	
336	2	Tu.	6 54	N	4 13	D	9 19	26	2 3 ⁴ / ₄	10 28	H	4 21	LEO	21	
337	3	W.	6 55	N	4 13	D	9 18	26	3 3 ⁴ / ₄	11 ^P _M 35	I	5 10	VIR	22	
338	4	Th.	6 56	N	4 13	D	9 17	26	4 3 ⁴ / ₄	—	—	6 00	VIR	23	
339	5	Fr.	6 57	N	4 13	D	9 16	25	5 1 ² / ₂	12 ^A _M 43	J	6 51	LIB	24	
340	6	Sa.	6 58	N	4 12	D	9 14	25	6 1 ² / ₂	1 53	K	7 44	LIB	25	
341	7	E	6 59	N	4 12	D	9 13	24	7 1 ² / ₂	3 05	L	8 39	SCO	26	
342	8	M.	7 00	o	4 12	D	9 12	24	8 1 ² / ₂	4 17	M	9 36	SCO	27	
343	9	Tu.	7 01	o	4 12	C	9 11	23	9 1 ² / ₂	5 ^A _M 29	M	10 36	SGR	28	
344	10	W.	7 02	o	4 12	C	9 11	23	10 1 ⁴ / ₄	sets	—	11 ^A _M 36	SGR	29	
345	11	Th.	7 02	o	4 12	C	9 10	23	11 1 ⁴ / ₄	5 ^P _M 37	E	12 ^P _M 36	CAP	1	
346	12	Fr.	7 03	o	4 12	C	9 09	22	—	0 6 42	E	1 34	CAP	2	
347	13	Sa.	7 04	o	4 13	C	9 08	21	0 1 ² / ₂	0 3 ⁴ / ₄	F	2 29	AQR	3	
348	14	E	7 05	o	4 13	C	9 08	21	1 1 ² / ₂	1 3 ⁴ / ₄	G	3 20	AQR	4	
349	15	M.	7 06	o	4 13	C	9 07	21	2 1 ⁴ / ₄	2 1 ² / ₂	G	4 08	AQR	5	
350	16	Tu.	7 06	o	4 13	C	9 07	20	3 1 ⁴ / ₄	3 1 ² / ₂	H	4 54	PSC	6	
351	17	W.	7 07	o	4 14	C	9 07	20	4	4 1 ⁴ / ₄	I	5 38	PSC	7	
352	18	Th.	7 08	o	4 14	C	9 06	19	5	5 1 ⁴ / ₄	—	6 21	ARI	8	
353	19	Fr.	7 08	o	4 14	C	9 06	19	5 3 ⁴ / ₄	6 1 ⁴ / ₄	J	7 03	ARI	9	
354	20	Sa.	7 09	o	4 15	C	9 06	18	6 3 ⁴ / ₄	7 1 ⁴ / ₄	K	7 47	TAU	10	
355	21	E	7 09	o	4 15	C	9 06	18	7 1 ² / ₂	8	L	8 31	TAU	11	
356	22	M.	7 10	o	4 16	C	9 06	17	8 1 ⁴ / ₄	8 3 ⁴ / ₄	L	9 18	TAU	12	
357	23	Tu.	7 10	o	4 16	C	9 06	17	9	9 1 ² / ₂	M	10 05	G'M	13	
358	24	W.	7 11	o	4 17	C	9 07	16	9 3 ⁴ / ₄	10 1 ⁴ / ₄	M	10 55	G'M	14	
359	25	Th.	7 11	o	4 17	C	9 07	16	10 1 ² / ₂	11	rises	—	11 ^P _M 46	CNC	15
360	26	Fr.	7 12	o	4 18	C	9 07	15	11	11 1 ² / ₂	E	—	—	—	
361	27	Sa.	7 12	o	4 19	C	9 08	15	11 3 ⁴ / ₄	—	E	12 ^A _M 57	CNC	17	
362	28	E	7 12	o	4 20	C	9 08	14	0 1 ⁴ / ₄	0 1 ² / ₂	F	1 28	LEO	18	
363	29	M.	7 13	o	4 20	C	9 09	14	1	1 1 ⁴ / ₄	G	2 18	LEO	19	
364	30	Tu.	7 13	o	4 21	C	9 09	13	1 3 ⁴ / ₄	2	H	3 08	LEO	20	
365	31	W.	7 13	o	4 22	C	9 10	13	2 1 ² / ₂	2 3 ⁴ / ₄	I	3 ^A _M 58	VIR	21	



Nothing in this twilight stirs,
Except herself, trembling . . .
With what? . . . Not fear,

Certainly, and not passion, now
When all is over, here . . .
Nothing that is hers . . .

Something, it may be, vaguely dissembling,
That had been mine, some lost
Thing that was dear.
That waked, and remembered, and came:
I give it your name.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	M.	Keep good fires and good company 19.0	Elizabeth
2	Tu.	Wilson farewell address 1918 19.9	
3	W.	Cant on-Phila-Clipper record 130 days 1799 19.2	Now for
4	Th.	Wm. Penn's "First Treaty Never Broken" 1682 19.4	
5	Fr.	Earliest sunsets 6th to 12th 10.2	clouds
6	Sa.	2nd S. A. Chan-nukah 19.7	
7	E	Immac. Conc. V.M. 11.2	race.
8	M.	in Peri 10.3	
9	Tu.	in Peri 11.6	East wind
10	W.	New Moon "underground" 10.4	
11	Th.	6 ♀ C 6 h C Tides 11.9	more
12	Fr.	Halifax Gale 1813 10.4	
13	Sa.	St. Lucy "Perfect Shower of Fire" 1833 10.2	than
14	E	3rd S. A. Week 10.7	
15	M.	Nashua, Champ. race horse sold (1,251,200) 1955 9.6	lilacs.
16	Tu.	U.S. gives the Resolute back to England 1856 9.4	
17	W.	Peter robbed to pay Paul 1550 9.0	gales
18	Th.	Yacht Henrietta won \$90,000 1866 8.8	
19	Fr.	[21st 8 8 C] 8.4	fill all
20	Sa.	in Gr. Hel. 8.1	
21	E	4th S. A. Fast of Forefathers 8.9	Time
22	M.	Winter begins 3.40 A.M. 8.5	
23	Tu.	Tides 8.3	burning shins and/
24	W.	Robin Hood died 1247 9.7	
25	Th.	Chris. Day Full Moon 8.5	or throat,
26	Fr.	St. Stephen Plymouth storm 1778 10.1	
27	Sa.	St. John, Ev. (died 99 a.d.) 10.3	falling
28	E	1st S. a. Ch. Inno-cents 9.1	
29	M.	Judas born 9.3	and
30	Tu.	Latest sunrises 10.3	
31	W.	So ends Year to all. 9.7	Ma is calling.

The world's getting smaller because we are producing more meat population and more human population to feed us. That's what we are told. The inference being that man and his kind will eventually overpopulate all corners of this globe. That isn't so. The face of this globe is land and water—and land, of course is where we and our kind live. (Our apologies to brother fish—who is not increasing.) Man we admit is increasing, despite Hitler and Stalin and floods, fire and famine and Chinese butchers. And our kind increase.

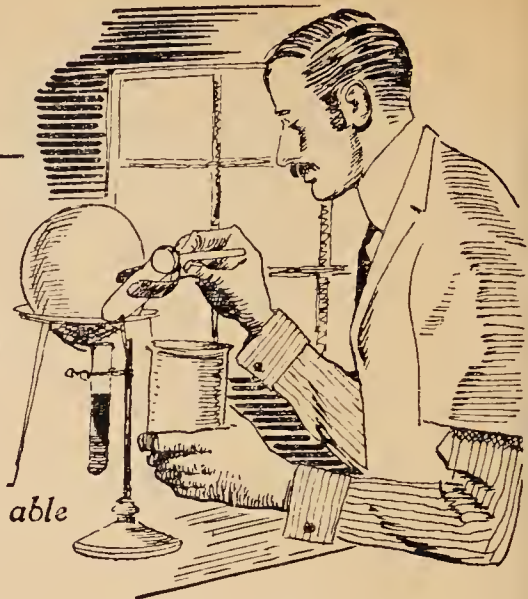
Country-wise, some old farms and abandoned places, are being repopulated, but not for the use of the land they have. We are going back to the wilderness in the areas that have abandoned farms. City folks become country folks in the summer, but they don't work their land. They don't need to, and our economy doesn't need them to. It's good to know that we have this spare, handy land. We'll need it someday.

Kine-wise we see that our milk cows produce more milk per cow, our pastures produce more hay. Our scientific feeding means more barn feeding and less pasture feeding. So as the population increases we can really support more people and kine on less land. But land we have (and to spare), kine we have (without too much increase) and lots of room for more people. If that's any comfort to you—we hope it will add that little bit more to a very Merry Christmas.

*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.

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 1958. 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 18-31	Mar 15-Apr 7	Mar 20-31	Feb 15-Mar 7
Beans (Early)	May 7-Jun 21	May 18-31	Apr 15-30	Apr 18-30	Mar 15-Apr 7	Mar 20-31
(Late)	Jun 15-Jul 15	Jun 17-30	Jun 1-21	Jun 17-21	Aug 7-30	Aug 14-28
Beets (Early)	May 1-15	May 3-17	Mar 15-Apr 30	Mar 15-19	Feb 7-29	Feb 7-17
(Late)	Jul 15-Aug 15	Jul 1-16	Jul 15-30	Jul 15	Aug 7-30	Aug 7-13
Broccoli (E)	May 15-30	May 18-31	Mar 7-30	Mar 20-31	Feb 15-Mar 15	Mar 18-28
(Late)	Jun 15-Jul 7	Jun 17-30	Aug 1-20	Aug 14-28	Sept 7-30	Sept 13-27
Brussels Spr. Plants	May 15-30	May 18-31	Mar 7-Apr 15	Mar 20-31	Feb 11-Mar 20	Feb 18-28
Cabbage (E)	May 15-30	May 18-31	Mar 7-Apr 15	Mar 20-31	Feb 7-Mar 20	Feb 18-28
(L)	Jun 7-Aug 7	Jun 17-30	Jun 1-Jul 7	Jun 17-30	Jul 15-30	Jul 16-31
Carrots (E)	May 15-30	May 15-18	Mar 7-31	Mar 7-19	Feb 15-Mar 7	Feb 15-17
(Late)	Jun 15-Jul 21	Jun 17-30	Apr 7-May 30	Apr 7-17	Aug 1-Sept 7	Aug 1-13
Cauliflower (E)	May 15-30	May 18-31	Mar 15-Apr 7	Mar 7-19	Feb 15-Mar 7	Feb 18-28
(L)	June 15-Jul 21	Jun 17-30	Jun 1-Jul 7	Jun 17-30	Aug 7-30	Aug 14-30
Celery (Early)	May 15-Jun 30	May 3-17	Mar 7-30	Mar 20-31	Feb 15-28	Feb 18-28
(Late)	Jul 15-Aug 15	Jul 1-15	Jun 15-Jul 7	Jun 17-30	Apr 15-30	Apr 18-30
Corn, Sweet (F)	May 10-Jun 15	May 18-31	May 1-15	May 1-2	Mar 15-29	Mar 20-31
(Late)	Jun 15-30	Jun 17-30	May 7-Jun 21	Jun 7-17	Aug 7-30	Aug 14-30
Cucumber	May 7-Jun 20	May 18-31	Apr 7-May 15	Apr 18-30	Mar 7-Apr 15	Mar 20-31
Egg Plant Plants	Jun 1-30	Jun 17-30	Apr 7-May 15	Apr 18-30	Mar 7-Apr 15	Mar 20-31
Endive (Early)	May 15-30	May 18-31	Apr 7-May 15	Apr 18-30	Feb 15-Mar 20	Feb 18-28
(Late)	Jun 7-30	Jun 17-30	Jul 15-Aug 15	July 16-31	Aug 15-Sept 7	Aug 14-31
Kale (Early)	May 15-30	May 18-31	Mar 15-Apr 7	Mar 20-31	Feb 15-Mar 7	Feb 18-28
(Late)	Jul 1-Aug 7	Jul 16-30	Jul 15-31	Jul 16-31	Sept 7-30	Sept 13-30
Leek Plants	May 15-30	May 15-17	Mar 7-Apr 7	Mar 7-19	Feb 15-Apr 15	Feb 15-17
Lettuce	May 15-Jun 30	May 18-31	Mar 1-31	Mar 1-4	Feb 15-Mar 7	Feb 18-28
Melon (Musk)	May 15-Jun 3	May 18-31	Apr 15-May 7	Apr 18-30	Mar 15-Apr 7	Mar 20-31
Onion Plants	May 15-Jun 7	May 15-17	Mar 1-31	Mar 5-19	Feb 1-28	Feb 4-17
Parsley	May 15-30	May 18-31	Mar 1-31	Mar 20-31	Feb 20-Mar 15	Feb 20-28
Parsnip	Apr 1-30	Apr 3-17	Mar 7-31	Mar 7-19	Jan 15-Feb 4	Jan 15-18
Peas (Early)	Apr 15-May 7	Apr 18-30	Mar 7-31	Mar 20-31	Jan 15-Feb 7	Jan 19-31
(Late)	Aug 15-30	Aug 14-28	Jul 7-31	Jul 16-31	Aug 15-30	Aug 15-28
Pepper Plants	May 15-Jun 30	May 18-31	Apr 1-31	Apr 18-30	Apr 1-20	Apr 18-19
Pumpkin	May 15-30	May 18-31	Apr 23-May 15	Apr 23-30	Apr 7-20	Apr 18-19
Potatoes	May 1-15	May 3-17	Apr 1-15	Apr 3-17	Feb 10-Mar 1	Feb 10-17
Radish (Early)	Apr 15-30	Apr 15-17	Mar 7-31	Mar 20-31	Jan 21-Mar 1	Jan 21-31
(Late)	Aug 15-30	Aug 22-31	Aug 7-31	Aug 14-28	Sept 1-21	Sept 1-5
Spinach (E)	May 15-30	May 18-31	Mar 15-Apr 20	Mar 20-31	Feb 7-Mar 15	Feb 18-28
(Late)	Jul 15-Sept 7	Jul 16-29	Aug 1-Sept 15	Aug 14-28	Sept 1-21	Sept 13-20
Swiss Chard	May 1-30	May 18-31	Mar 15-Apr 15	Mar 20-31	Feb 7-Mar 15	Feb 18-28
Summer Squ	May 15-Jun 15	May 18-31	Apr 15-May 15	Apr 18-30	Mar 15-Apr 15	Mar 20-31
Tomato Plants	May 15-30	May 18-31	Apr 7-30	Apr 18-30	Mar 7-20	Mar 20
Turnip (Early)	Apr 7-30	Apr 7-17	Mar 15-30	Mar 15-19	Jan 20-Feb 15	Feb 4-15
(Late)	Jul 1-Aug 15	Jul 1-15	Aug 1-20	Aug 1-13	Sept 1-Oct 15	Sept 1-4
Wheat (Wint.)	Sep. 11-15	Sept 13-27	Sept 15-Oct 20	Sept 15-26	Oct 15-Dec 7	Oct 15-27
(Spring)	Apr 7-30	Apr 7-17	Apr 1-20	Apr 18-20	Mar 15-31	Mar 20-31

NORTH STAR HARRIS HYBRID SWEET CORN

Here's a Star That Has Not Been Eclipsed

HARRIS NORTH STAR

No *early* hybrid sweet corn has been developed that compares with North Star's • *Early and uniform maturity* • Bright yellow, sweet, *tender, well-flavored kernels* • *Large ears, with attractive dark green husks*. As an added bonus

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Lynwood Gold

Wayside Gardens

GRASS, OUR MOST IMPORTANT CROP



More definitely than most of us realize, American history is grass history. Grass, the largest, most widespread and valuable race of flowering plants, challenges adventure today as never before.

We are in a great grass age. Close to two-thirds of all active farms in the United States are now planted to grass crops, and we have more grass growing off U.S. farms than on them. The same wonderful herbaceous race which floors the baby's playpen and covers the old man's grave, does most to sustain both wildlife and tame life, and to keep our nation alive.

Back in 1729, Timothy Hanson, a then 23-year-old livestock (sheep and cattle) farmer in the Hampshire Grants, now New Hampshire, rode horseback to Boston, as his diary noted to "take on a lark."

Then, as now, one never could be sure about "larkes," including their outcomes. Timothy Hanson's somehow led into an impromptu ocean voyage aboard a wool sloop to Bordeaux. After nearly seven weeks, several of them annoyingly calm, the sloop anchored in the renowned port on the eleventh day of September. The captain-owner posted a five-week waitover for recruiting a return cargo for Boston.

With a Yankee's penchant for not wasting time, Timothy spent the first two weeks "selecting and talking" for himself a bride, French and pretty.

On a sunny day of his impromptu honeymoon the roaming Hampshire man found something else that was French and decidedly to his liking. It was a tall and beautiful grass which thrived in the hedged fields and the open pastures or commons. Timothy Hanson carefully picked a hatful of the newly ripened seed, added them to his expanding luggage list, and with engaging modesty, renamed the grass Timothy's Grasse — presently to be small typed timothy. By the beginning of the American Revolution timothy had become the number one hay crop of the American Colonies. A century later it was still the number one hay crop of the United States; timothy is still one of our three most valuable hay crops. Timothy Hanson helped make it so.

Except for corn, or maize, and wild rice, the two indigenous American grain grasses, we have all too few records of the grasses native to the Atlantic Seaboard before white men came. We know that what presently became the U. S. West, particularly the Great Plains, was and still is one of the most versatile homelands of the perennial grasses, including the "tall prairie" species headed by big bluestem and Indian grass, and the "medium prairie" types headed by American's own buffalo grass. We know that about 4,500 species and subspecies of grass are now classified botanically and close to 1,500 of these show evidence of being native to North America.

But in Timothy Hanson's time the mighty American prairies were still inaccessible far to the West; trees and bushes remained the first vegetative order of the Atlantic Seaboard. Yet in the 1760's the maturing and still sharp-eyed Timothy Hanson noted in Maryland and various neighboring areas the emergence of what he termed "Lord's Pastures," spreading green and widely benefiting carpets of immigrant grasses which in one way or another just came and grew on their own. Still the most renowned of these is "Kentucky" bluegrass (*Poa pratensis*), another beautiful West European grass which the English had adapted as the "June grass" of "sweet green England." Among other more or less mysterious arrivals were rye grasses, wheat grasses, orchard grass, the fescues and wood meadow grass, now rather smugly renamed "Canada bluegrass." Yet all of these grasses were by no means the whole grassy answer.

Almost a century after Timothy began peddling his "Grasse" the needs for perennial graze crops remained so urgent that Governor James Mead of South Carolina took on the task of importing hardy pasture grasses for his state. Mead's most historic accomplishment was the import, by way of an accommodating shipmaster, of the seed of a "wondrous graze from seaports of Distant India."

In 1837 Governor Mead delivered the packet of grass seed to a Carolina planter named William Johnson — Colonel Johnson, naturally. Such was the American beginning of Johnson grass. It never became a number one grazing or hay crop. But even by Civil War times it had proved a continuing place as a foremost nuisance grass. As any farm boy in any one of some thirty states will still testify loudly, Johnson, without the Colonel, remains a preeminent grass pest. Similarly, witch grass, and its southern gramineae kin, sometimes called crab grass, were imported deliberately, and sold commercially, even if mistakenly, as forage crops.

Bermuda, now with at least forty-six varieties commercially available, is another historic grass adventure. One thing we know for sure is that it is not native to Bermuda. Its known American story dates back to 1889 when a drought harried Arkansas farmer named Harry Kelley rode into Fort Smith on a hot August afternoon. There on the courthouse common he noted the U. S. Marshall's horse grazing a plot of grass which remained lush green even though other pastures were brown and sear. The following year Kelley sodded one of his badly spent pastures with the "wonder grass"; sixty-seven years later the stand still thrives.

In 1900, John Fields, who presently became the first director of the Oklahoma Experiment Station, harvested seed from Kelley's pasture and thereby established the new grass in the "Injun Territory." Later Fields pioneered selective breeding to the extent of isolating a fine-stemmed strain and a coarse super-hardy strain.

Meanwhile, beginning in 1909, another Oklahoman named John Mitchell, of Lincoln County, began to grow the "new" grass and sell its root sprigs and sod by mail throughout the United States so effectively that he presently changed his name to "Bermudy Mitchell" and grew rich from the grass, even while other Oklahomans were becoming oil millionaires.

In 1910, when Bermudy Mitchell began "mail ordering," Burpee's and other principal seed firms were listing barely a dozen varieties of lawn grasses. The present lawn grass list is about three hundred; it includes grasses from every continent and many islands as well as noble aborigines of the American West.

(Written especially for *The Old Farmer's Almanac* by Charles Morrow Wilson.)



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Red Bark Dogwood

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size at
\$3.00 each
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Our spring planting stock is U.S. grown native collected wild, inspected, certified healthy and is as nice as we've seen in years. Each tree is 2 to 3 years old and is already 2 to 3 feet tall with well developed roots. Never transplanted. To order send \$1 (3 for \$2) plus 35c for postage. If C.O.D. postage extra. If not satisfied on inspection return for purchase price refund. Any tulip tree not growing replaced free 5 year limit. **RED BARK DOGWOOD** (cornus stolonifera) given FREE of extra cost with each Tulip Tree. Grows up to 8 feet high with willow-like leaves and beautiful red barked branches. Final offer. Rush order today.

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Be sure and ask for the special size trees.

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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 "	6	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.....	6 "	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
Rohin'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		

ANECDOTES AND PLEASANTRIES

WHEN MOOSEHEAD "TURNED OVER" . . .

Every once in a while someone thinks he is surprising us with the tale of the day Moosehead Lake in Maine "turned over." He goes on to relate how on a calm warm Spring day or perhaps cool Fall day without any wind at all, all of a sudden, huge waves appeared on the lake, without warning, and drowned fishermen, flooded shore camps, et al. Well we have looked into the matter and here is how Carl Fenderson, Publicity Director of Maine's Dept. of Inland Fisheries, explains it:

"Actually this does happen in many of our deep Maine lakes and it is caused by the fact that water is heaviest at approximately 39° F. What happens essentially is this: in the spring of the year when the sun starts warming the surface water, a point is reached where the temperature from top to bottom is about the same. Wind action thus causes the water to mix from top to bottom. If the surface water warms still further and passes the 39° point, it becomes lighter again and the lake starts to stratify into three layers. It then will not mix since the deep waters are denser than the surface water.

"This same phenomenon may occur again in the fall of the year when the surface water starts to cool. Again a point is reached when the lake is essentially homothermos; strong wind action will mix the water. It is during these times that the deep waters of the lake receive their oxygen supply since they can only get it through contact with the air.

"The thing to remember in this whole business is that water is densest at 39° and when it either warms or cools from this temperature, it becomes lighter. Here in Maine a lot of the old timers refer to this phenomenon with such terms as 'the pond is

working' or 'the pond is cuffing up her bottom.'

"If you wish to get a full and detailed explanation of this 'over turn,' I refer you to Welch's textbook of limnology."

BALANCED UP IN HEAVEN

"Patrick, the Widow Maloney tells that you have stolen one of her finest pigs. Is that so?"

"Yis, your honor."

"What have you done with it?"

"Killed it and ate it, your honor."

"Oh, Patrick, Patrick, when you are brought face to face with the widow and her pig on judgment day what account will you be able to give of yourself when the widow accuses you of theft?"

"Did you say the pig would be there, your honor?"

"To be sure I did."

"Well, then, your riverence, I'll say, Mrs. Maloney, there's your pig."

NEW NEIGHBOR

She was an entrancing lady who had just moved into our neighborhood.

"Well, Tom," I asked my good friend next door, "what do you think of our new neighbor?"

"To tell you the truth," he replied, "I just don't dare to. If I did, I'd never get any work done at all."

BREAKING THE NEWS GENTLY

Father: "I am so excited. Quick, quick! Tell me, nurse, is it a boy or a girl?"

Nurse: "Well, Mr. Brown, the one in the middle is a boy."

ONE THING AFTER ANOTHER

The Judge: "Now, madam, please tell the court all that passed between you and your husband during this quarrel."

Mrs. Riley: "Yure honor. I cannot remember everything but Oi'm shure there was the rolling pin, three plates, and the stove lifter."



OF FEMALE EDUCATION

The education of girls was neglected in the early days. Rev. John Eliot wrote from Boston to Jeremy Belknap, then minister at Dover, New Hampshire:

"We don't pretend to teach ye female part of ye town anything more than dancing, or a little music perhaps (and these accomplishments must be necessarily confined to a very few), except ye private schools for writing which enables them to write a copy, sign their name, &c. which they might not be able to do without such a privilege, and with it I will venture to say that a lady is a rarity among us who can write a page of commonplace sentiment, the words being well spelt, & ye style & language kept up with purity and elegance."

MOTHER'S LITTLE HELPER

Auntie — "Whom do you love best?"

Dolly — "Mamma."

Auntie — "Who next?"

Dolly — "You."

Auntie — "Who next?"

Dolly — "Baby."

Father (from the background) — "And when does Daddy come in?"

Dolly — "About 2 in the morning."

HURRY, HURRY, HURRY

"Do you find, judge," asked the fair young lady, "that most of those who appear before you with petitions for divorce are people who were married in haste?"

"Well, I don't know as I can say that they are," he replied. "But there's one thing I do know."

"What's that?"

"Most of them marry in haste when the divorces are granted."

SENSIBLE REPLY

We asked a Scotch friend of ours what he did with his old razor blades.

"Why, mon," was the reply, "I use them to shave with."

PERSPECTIVE

A man who calls another man a rat

Conveys his thought as clearly as a man can;

Perhaps no clearer, though, than when a rat

Decides to call another rat a man.

J.A.

TO RENDER

Good for Evil is God like
Good for Good is Man like

Evil for Evil is Beast like
Evil for Good is Devil like.

17th Cent.

LOCAL YOKELRY

"How are you getting along?"
"I won't know until I get my next job."

If you ask me, I'd rather work than burn brush.

Some people aren't satisfied until they are about to be hung.

God has given us two ends

With a common link

With the one we sit

With the other we think

Success in life depends

On which we choose

Heads you win

Tails you lose.

Anon.



TEAGUE AT ST. JAMES

Teague at St. James strolled about

One of his stockings wrong side out

The sentry asked by way of sport If he dressed thus to come to court

Or if before 't was light he rose That he had thus put on his hose

No faith dear honey Teague replied

I've got a hole on the other side.

16th cent.

CONCLUSION

As in Agriculture he that can produce the greatest crop is not the best farmer but he that can effect it with the least expense; so in Society he is not the best member who can bring about the most good but he that can accomplish it with the least measure of concomitant evil.

17th cent.

Continued on page 78

OLD-FASHIONED PUZZLES

For answers see page 107

I

Conundrums

1. Why do young ladies prefer to inflect verbs rather than nouns?
2. What confections were carried in Noah's Ark?
3. Why is Sunday the strongest day of the seven?
4. Why is life the riddle of all riddles?

II

Questions

1. A man went into a store and said, "If you give me as much money as I have in my pocket I will spend ten cents." This being done, the man then went into the second store, and said the same thing with the same result. He then went into a third store and said the same thing with the same result. After the third purchase he had no money left. How much had he when he went to the first store?
2. If a fish weighs ten pounds and half its own weight how many pounds does it weigh?
3. A train starts daily from San Francisco to New York, and one daily from New York to San Francisco, the journey lasting seven days. How many trains will a traveller meet in journeying from San Francisco to New York?

III

Riddle

- Those who have me do not wish for me;
 Those who have me do not wish to lose me;
 Those who gain me have me no longer.

IV

Conundrums

1. When does a caterpillar improve in morals?
2. What is it, which, if you name it, you break it?
3. Why is a star like an old barn?
4. What grows the less tired the more it works?

V

Enigma

There is a thing that nothing is,
 And yet it has a name.
 'Tis sometimes tall and some-
 times short;
 It joins our talks, it joins our
 sport,
 And plays at every game.



VI

A Puzzle

A ne pit a PHO na. W.O!-MaX
 who's

O-ld ear;
 the N. WA. RE.

Bene.

AT.HT,HISS.T.O.NEL.

I.

Eska the Arin, eg Raye,
 Hang'd F.Ro. mabusy;

LI. Feto LI. fel esse

Lay bye art Hand c.

Lay S.H. eg. O! therp

Elf and D (No.)- Toe art hh.

Erselvy ewe epi. N.G.

Fri End sl et mead.

VI

Sea. bat. eyo. U.R.G.

Rie fan DD, Ryy.;

Our eye sfo r

Wha!-TavaI, LS. a

Flo O! do; ft. earsw

Hok now S. b u

T inar un o fye a?

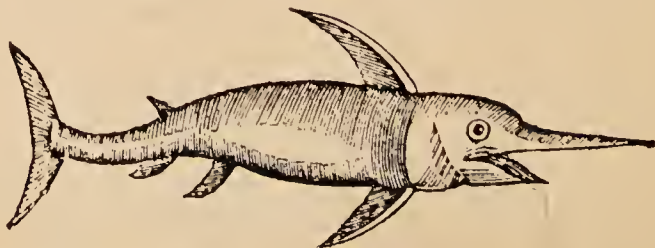
R. sin, so metal L.

Pit Chero, R Br. O.

A. D. Pansh ein H;

Ers Ilo! p m- A

Y bea g- a IN!





Hungry feelin? Start peelin'

HAVABANANA!

While you enjoyabanana, take a look at
all the bananafolks in this book



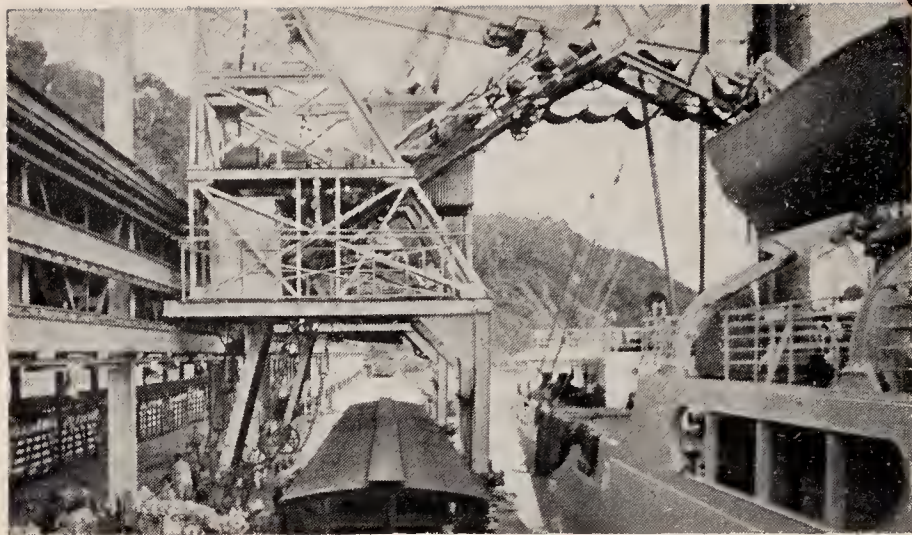
I PLANTABANANA

on my tropical
plantations...
growabanana and get
lotsabananas ready
for harvesting.



I HARVESTABANANA

I cutabanana
down, carryabanana off
the plantation and
try not to missabanana
boat!



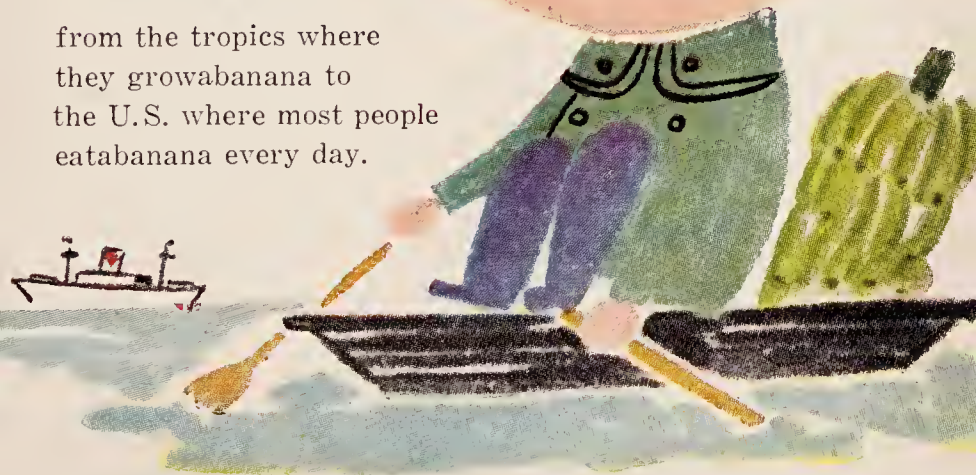
I LOADABANANA

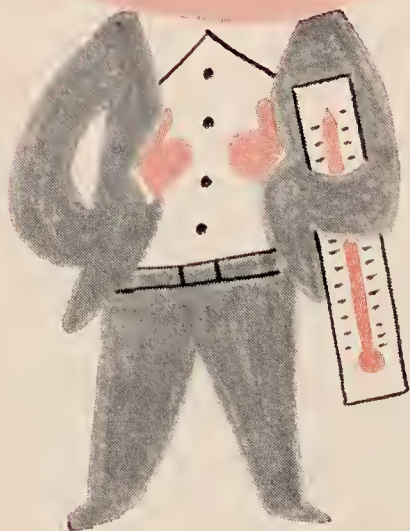
onto big white banana
boats with conveyors
that grabanana right
out of my hands.



I SHIPABANANA

from the tropics where
they growabanana to
the U.S. where most people
eatabanana every day.





I RIPENABANANA

I hangabanana
in my warehouse until
the time (and banana)
is ripe to
sellabanana.



I SELLABANANA

to customers who
buyabanana, eatabanana,
servabanana and
putabanana in their
fruit bowls.





I SERVABANANA

I sliceabanana,
mashabanana,
diceabanana,
broilabanana
and eat
gobsabananas
myself!



IN BANANA KEBABS. For a sizzling-good outdoor treat, just alternate banana chunks on a skewer with pieces of sweet red and green pepper and meatballs wrapped in bacon. Grill.



IN BANANA TROPIC SALAD. New way to add substance and texture to a green salad... slice in a banana just before you toss it. It's the kind of trick that can make you famous!



IN BACKYARD PICNICS. Roast a banana—it's a new barbecue idea! Remove strip of peel, brush fruit with butter. Place on grill and roast until peel is black and glossy, and the fruit tender — easily pierced with a fork.



I LOVE BANANA

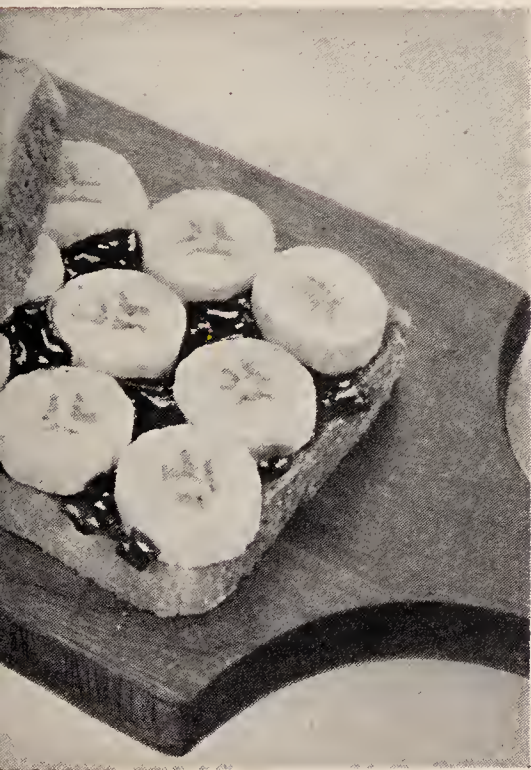
because when I
eat banana,
it tastes so good
and makes me
feel all happy
and snappy.



IN BANANA SHAKES. How about this for quick energy? Put a cut-up banana in your blender with a glass of cold milk. Blend. Or mash banana with a fork and shake with cold milk.



IN BANANA SUNDAES. Here's a crazy, mixed-up treat with a load of healthful fruits. Slice banana over ice cream and add strawberries, pineapple chunks — anything fun you've got handy.



IN BANANA JELLY SANDWICHES. What an easy way to put a sparkle in a little boy's eye! Use apple jelly, or currant, or grape. Add the nourishing goodness of sliced bananas for a simply super sandwich!

I DEMAND BANANA

Sir, you
deservabanana
when you want one
(or two or three!).
So stand up for
your rights --
demandabanana
any time!



IN BANANA TOAST. What a good morning idea! Sliceabanana on toasted bread. Then sprinkle with sugar and cinnamon, dot with butter and brown for a few minutes under your broiler.



IN BANANA PIE. Nothing makes a husband happier than banana cream pie! Fix your favorite pie filling mix. Cool thoroughly. Alternate layers of sliced bananas and filling. Top with banana slices.



IN BANANA CRUSH. It's a refreshing drink, a satisfying snack! Just mash banana with a fork and shake it with cold orange juice. Or do the whole job in your blender. To your good health!




WE RECOMMENDABANANA

People who know what's good for them enjoyabanana often.
How about you?

BECAUSE bananas have a well-rounded supply of vitamins
and minerals, you should havabanana every day for health.



BECAUSE bananas have lots of wholesome natural sugars, you need a banana often for pep, and a happy outlook on life. **BECAUSE** bananas are so digestible, they're especially good for babies and old folks – in fact, the whole family just eats 'em up! So when you buy a banana, buy plenty!



**So ... Buyabanana
Tryabanana
Fryabanana
Diceabanana
Spliceabanana
Grababanana
Nababanana
Beatabanana
Eatabanana**

**HAVABANANA
TODAY!**

FREE! For free reprints of this booklet, send your name and address to United Fruit Company, Dept. OFA, Pier 3, North River, New York 6, N. Y.

UNITED FRUIT COMPANY

WORD CHARADES AND RIDDLES

For answers see page 107

I

When my first are, trust them
first and last.
You did my second when you
broke your fast.
My Whole.
I once was clothed in white in
days gone by:
For place and honor now you see
me try.

II

My first is the length of a mod-
erate walk;
My second's a substance much
harder than chalk:
These joined together direct the
unknown
And set right the traveller though
he's alone.

III

Fifty is my first, nothing is my
second,
Five just makes my third, my
fourth's a vowel reckoned;
Now to fill my whole, put all my
parts together:
I die if I get cold, but never
mind cold weather.



IV

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

V

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

VI

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

VII

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



VIII

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

IX

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

X

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

XI

Four members I can bless myself
withal;
My last is worth my whole, my
whole's worth naught at all.

(Original Charades by Andrews
Norton and Others.)



People use CHI-NET® Plates

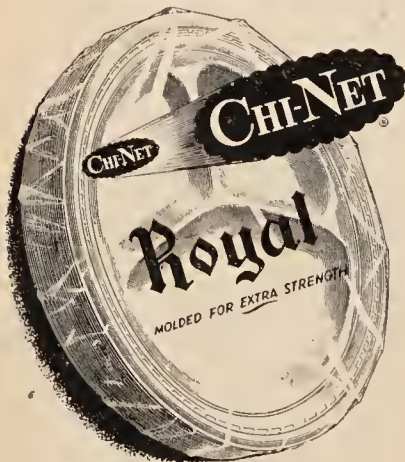
in all kinds of places
for all kinds of meals



Outdoors and indoors
... for picnics and
parties ... for
quick meals
and snacks ... for
breakfast, lunch
and dinner,
CHI-NET molded
paper plates are
always right for
modern, easy living.

CHI-NET paper plates
are molded to shape
... they stay rigid
even when piled high
with food. And they
have such a wonderful
smooth, white finish
you are proud to use them.

KEYES FIBRE COMPANY
WATERVILLE, MAINE



LIQUID HOP YEAST BREAD

Mrs. Cecil Greenlaw of Eastport, Maine took three long years to discover how to make this bread. Not the least of her difficulty was the translation of the proportions from ye olden times' recipes to the present and the putting together of old timers' word of mouth recipes into order.

The very same thing that puts a foamy head on a glass of ale, also excites fermentation in a mass of dough, afterwards known as BREAD. The chemical process is one of the most complicated known to man. Originated through necessity, unleavened bread was the first step, for no longer did he devour his food raw, that raised man above animal. Then followed bread baking by means of yeast fermentation. Liquid hop yeast was still used in New England at the turn of the century, but its origin lies buried in the archives, and its formula has become a lost art.

Back in the seventeenth century, the London Brewer's and Baker's combined liquid hop yeast with long kneading, slow rising, stone ground unbleached whole grain flour. This, removed from the massive brick ovens, was a deep, crusty-brown loaf called "Third's" because the flour was as the Deity intended it to be—Bran, whole meal and fine flour. They also baked white bread, backing up their product with the truthful slogan—"Pleasing To The Eye And Taste" and reserving it for the "upper classes." Servants and prisoners were compelled to eat the "Thirds" and bran was fed to the animals. But nature is a sly one, having compensations for everything it seems. The servants, prisoners and animals thrived and remained healthy, the masters grew thin and weary.

The manufacture of liquid hop yeast centuries ago, was a long, complicated process. Hops and malt were boiled and strained, over and over. When sufficiently cool, quarts of ale or distiller's patent yeast obtained from the Brewer's, and bushels of potatoes, skins and all, were added. The potatoes greatly aided fermentation, were highly nutritive, and improved the brown, crusty appearance of the bread. The yeast was set aside to rise, or work, for hours before adding to the flour: All in all, from the time it took to prepare the yeast, until the loaves were taken from the ovens, was 24 hours! A loaf of THAT bread and a flask of Omar Khyam's wine would certainly feed body and soul and make of Wilderness, Paradise enough!

Well, lucky for us, most "lost" arts are uncovered sooner or later by some curious busybody, and the past once again becomes the present—"The same old cake with a different frosting." Now, thanks to modern science and manufacturing methods, we can buy the extracts without all that boiling, preparing that "Magic Brew For Better Bread," or liquid hop yeast, right in our own kitchens. So a loaf of "Thirds" made with liquid hop yeast makes a loaf of bread entirely new—from the world's oldest recipe. It's not only easy to make, and economical, but tastes good, besides being very good for you too.

LIQUID HOP YEAST

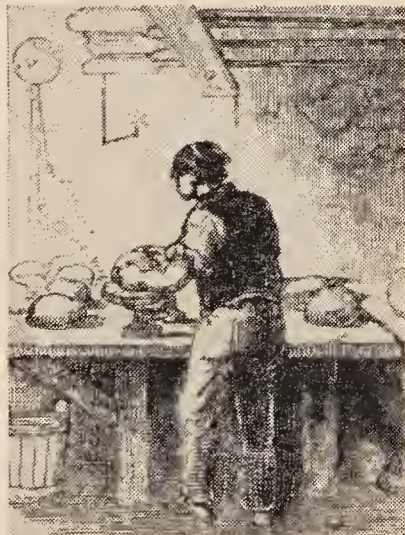
1 quart boiling water
3 medium size potatoes
 $\frac{1}{4}$ cupful sugar
1 tablespoonful Hop-flavored Malt Extract

1 small cake compressed yeast
Dissolve yeast cake in $\frac{1}{4}$ cup lukewarm water, in which $\frac{1}{4}$ teaspoonful sugar has been added. Set aside.

Add 1 tablespoonful Malt Extract to 1 quart boiling water.

Scrub potatoes (do not peel). Cut into small pieces and add to the boiling water. Boil ten minutes. Add $\frac{1}{4}$ cupful sugar, mash and strain.

When mixture is LUKEWARM, add the dissolved yeastcake. Let rise, or "work" in a warm place, 6 hours. Pour in mason jar and store in refrigerator. Makes 1 quart, approx. Keeps for months. Sufficient for 32 loaves.



BROWN BREAD, OR "THIRDS"

3 cups white unbleached flour
2 cups whole wheat
1 cup 100% bran.

Soak bran in 1 cup lukewarm water.

Sift the unbleached white flour and whole wheat together. Add the bran mixture, mixing by hand thoroughly through the flour.

To 2 tablespoonfuls melted shortening, add $1\frac{1}{2}$ cups lukewarm water in which $\frac{1}{4}$ cup molasses has been dissolved. Add 1 tablespoonful salt, and last, stir in $\frac{1}{4}$ cup liquid hop yeast. Add liquid to flour. Knead thoroughly. Let rise overnight in a warm place. In morning knead, shape into two loaves. Let rise until double in bulk. Bake for 15 minutes, or until loaves are brown, in 400° oven, lowering to 350° . Bake 1 hour.

GRAHAM BREAD

4 cups unbleached white flour
2 cups Stone ground graham.
Same as for Brown Or "Thirds" bread.

Citrus Fruit Peel Bread

At second kneading, separate graham bread dough into two parts. To one part, add 1 8-oz. jar citrus fruits and peel. This makes 1 loaf of Graham and 1 loaf Citrus fruit peel bread. (Raisins may be substituted.)

PARKER HOUSE ROLLS

To 3 cups white unbleached flour, add following:

1 Tablespoonful dissolved shortening, 1 cup warm milk, 1 teaspoonful salt, 1 tablespoonful sugar, $\frac{1}{8}$ cup liquid hop yeast. Let rise overnight. Knead. Roll out. Cut with biscuit cutter. Spread with butter, lap together, let rise very light. Bake in quick oven.

OLD FASHIONED BUCKWHEAT CAKES

2 cups buckwheat flour
1 teaspoonful liquid hop yeast
1 tablespoonful oatmeal
1 tablespoonful molasses

Add lukewarm water to above, enough to make thin batter. Set in warm place. Let rise overnight.



BUNS

Dissolve $\frac{1}{2}$ cup butter. Beat 1 egg. Add 1 cup sweet milk to beaten egg, 1 cup sugar, $\frac{1}{2}$ cup liquid yeast.

Add enough flour, about 4 cups, to make soft dough. Flavor with nutmeg. Let rise until very light overnight. Mold into buns with a few currants. Let rise again. Bake. When nearly done, glaze with a little molasses and milk. Or, when done, cover with thin icing of confectionery sugar and milk. Makes 1 dozen large buns. Delicious.



Original New England Ginger Beer Recipe

GINGER BEER (Commercial)

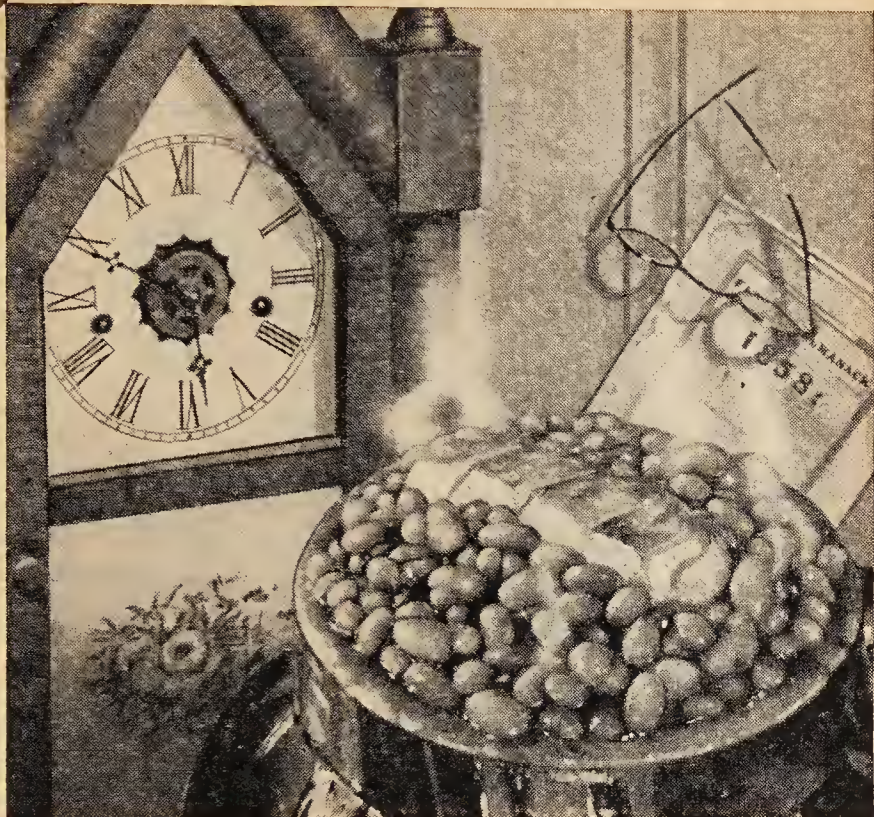
10 lbs. sugar
9 ounces lemon juice
 $\frac{1}{2}$ lb. honey
11 ounces ginger root
9 gallons water
3 pints liquid yeast

Boil ginger root $\frac{1}{2}$ hour in 1 gallon water. Add rest of water and other ingredients. Strain. When cold, add the white of an egg, beaten, and $\frac{1}{2}$ oz. essence of lemon. Let stand 4 days. Bottle. Will keep many months in a cool place.

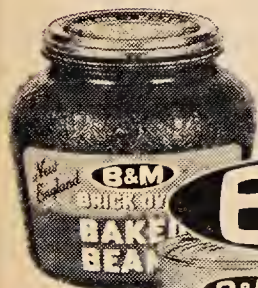
HOME RECIPE

1 lb. sugar
1 oz. lemon juice
1 teaspoonful honey
1 ounce ginger root
1 gallon water
 $\frac{1}{4}$ cup yeast (liquid yeast)

When cold, add 1 teasp. beaten egg white. Let stand four days. Bottle. Keep in cool place.



*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

New Englanders discover newest, easiest, tastiest way to glaze ham!



Log Cabin's "Glaze of Glory"!

No brown sugar fuss any more! Just pour on Log Cabin Syrup for a thick, satiny, juice-sealing glaze. And because Log Cabin is blended with pure Vermont maple sugar, your ham will have the rich Sugarbush flavor you love so much.

Here's all you do! Pour one cup of Log Cabin over ham, and heat it in a 325-degree oven for 1 to 1 1/4 hours, basting frequently. Remember, Log Cabin is specially blended to please New Englanders—specially blended to give your glaze just the right consistency.

P.S. Try Log Cabin on pancakes, waffles and French toast, too.

Log Cabin Syrup

America's original maple-blended syrup

True maple sugar flavor—because it contains pure Vermont maple sugar.

Another fine product of General Foods



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FIRST NATIONAL
STORES



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Underwood fine foods are carefully prepared for unsurpassed quality and flavor. Easy to use. Thrifty, too. Keep "the little red devil" handy in your pantry to add inspiration to your everyday meals.

Deviled Ham . . . Uniquely spiced, made from whole hams — easiest to spread, sandwich favorite — or add it to main dishes, eggs and salads for exciting new flavor.

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Delicious and inexpensive party favorite!

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New England Clam Chowder . . . The way New Englanders insist on it. Plenty of sweet tender clams and young potatoes. Hearty fare!

Send for free Recipe booklets. Write: Wm. Underwood Co., Dept. 66 Watertown, Mass.

HANDICAPPED? NOT F.F.

Born in Medford, Massachusetts, a hundred years ago, Fannie Merritt Farmer attended the high school in that town, leaving only when she suffered the stroke which changed her life. She had no thought of giving in to the infirmity and as she gained strength began gradually to help at home in the housekeeping. The women in her family were known as good cooks, and at this time she developed the absorbing interest in cookery which was to remain with her all her days. She was urged to attend the Boston Cooking School and in spite of her partial paralysis she was graduated in 1889. The next year she became assistant to the director. On the death of the latter she was elected to that position where she remained for eleven years. Then she opened her own establishment, Miss Farmer's School of Cookery. Here many a bride or prospective bride of the early 1900's studied under her.

Fannie Farmer designed courses for the practical training of housewives. Her "First Course in Cookery" consisted of "One lesson weekly for ten consecutive weeks." The charge was \$14.00, payable on the fourth lesson. One could have three free lessons, plus the food prepared at each, while one was deciding whether to take the whole course!

Practice and not theory was Fannie Farmer's aim and, above all, accuracy. No more guessing about measurements, "a rounded teaspoon" of this or a "handful" of that. Her words were, "A teaspoon is measured level," "a cupful of liquid is all the cup will hold." From her emphasis on exact standard quantities Miss Farmer acquired the title of "Mother of Level Measurements."

This woman whom we would call physically handicapped was also shy and reserved throughout her life. Yet she went from one accomplishment to another. She specialized in cookery for invalids, supplying from her school lecturers to training classes for nurses, and one year she herself gave a course at the Harvard Medical School. Her lectures at her own school were so well attended that she received wide recognition in the newspapers. Handicapped? She did not know the meaning of the word. She was much in demand as a speaker at Women's Clubs. The Woman's Home Companion thought enough of her work to ask her to conduct a popular page on cookery. With the aid of her sister she carried on this work for ten years.

In 1896 she published the first edition of her now famous Boston Cooking School Book of which there were twenty-one editions before her death. In the early part of the century it outsold the best sellers "Little Women" and "Quo Vadis." The 1957 edition is paper covered but complete and unabridged. Today if you were to search the households of the older generation you would find in many a copy of "Fannie Farmer," bespotted and falling from its binding, but still in use. And this was not Miss Farmer's only book. She also wrote on cookery with the chafing dish, cookery for the sick and convalescent, for special occasions and one book on the eternal question "What To Have For Dinner." The candy boxes now bearing her name, however, have nothing to do with her enterprises.

A few years before she died another stroke made necessary the use of a wheel chair. She then had to follow a strict regime prescribed by the doctor and from her wheel chair continued the lecturing. In fact, she delivered her last lecture on January 5, 1915, only ten days before she died. Handicapped? not Fannie Farmer.

Written expressly for The Old Farmer's Almanac by Edna Hills Humphrey



Utterly — Amazing is the New Book "THE MASTER'S GARDEN" . . .

It's like a friend from a far country. It's the answer to your prayers. . . .

Money Worries, Personal and Spiritual Problems, Health, Prosperity and Happiness. Use the Master's Garden Book daily live more joyously. Here you'll find sympathy, understanding, needed information, guidance and help. You'll find it a true friend if

it's those extra dollars you need start a little business from your own backyard garden. 128-6x9 pages and every one written just for you Only \$2.00 P. P. Satisfaction Guaranteed or your money back in 7 days. Could anyone be fairer.

LIGHTNING SPEED BOOK CO.,

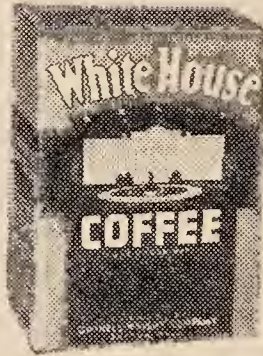
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A top Quality Coffee



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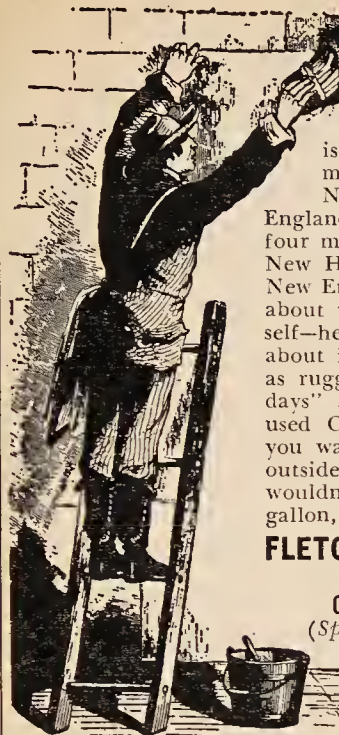


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packed or in the economy package,
and priced to save you money.*

ask your grocer for

WHITE HOUSE COFFEE

Box 1871 BOSTON, (5) MASS.



OLD NEW HAMPSHIRE

is what Fred Fletcher calls the paint he makes in his roadside factory in Milford, New Hampshire. Gramp used to say New Englanders had "eight months of winter, and four months of damn poor sleddin'." Well, Old New Hampshire is designed to stand up under New England's severe winters. Matter of fact, it's about the same paint Gramp used to buy himself—heavy lead base and no footlin' nonsense about it! Will resist chipping or peeling and is as rugged as iron. If you think "the good old days" are gone forever, you obviously haven't used Old New Hampshire lead base paint. If you want a sparkling white, or rural barn red outside paint, think of Fletchers. Even Gramp wouldn't balk at the price—only \$4.85 per gallon, or \$4.75 per gallon in five gallon cans.

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On Route 101 Milford, New Hampshire
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Please send postpaid at once:

REG. \$2 Kozak (millions use them) 1 for \$2

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SPECIAL \$5.00 ORDER: 2 Regular (\$4) + 1 SUPER (\$3) = \$7 value for \$5, to help you decide on your next order whether SUPER or Regular suits you best. check cash

THE MENTAL HEALTH OF OUR ELECTRONIC BRAINS

Electronics in a hundred forms and applications have so grown and developed in recent years that it may be said to form the substructure of our civilization. We have gradually come to depend more and more upon radio, T.V. and long distance communication of all kinds, navigational aids for land and sea and air, radar, sonar, detection and the remote guidance of missiles more infernal than the world has ever seen. This is common enough knowledge and we point to it with proper pride. What is less common knowledge is that within this electronic paradise there is a built-in frailty that may be the undoing of the whole. There is a healthy and rapacious serpent in this electronic Garden of Eden. For interference is a menace which has grown with equal pace to our electronic developments and hovers as a constant and increasing threat of chaos.

The Federal Trade Commission has the job of looking into these things. Its reports are full of accidents caught just in time to prevent disaster. How many disasters have really happened and to the destruction of those who might have reported will never be known. The more marvelous the remote electronic control the greater the liability of serious interference trouble.

At a guided missile station, for example, the ground crew were having a little trouble getting their ponderous weapon into the air. It required a pretty heavy electrical current to launch the object into flight and the station's generators were not adequate. But a hook-in with a local civilian power house soon solved the problem. The missile whizzed aloft with a supersonic whoosh. Observers watching it vanish into the distance were themselves electrified to see the giant rocket suddenly make a hairpin turn and head right back toward them still travelling just as furiously. Fortunately for all concerned the rocket was not wearing its most lethal warhead that day; fortunately too it missed the powerhouse that gave it birth by a quarter mile, so no great harm resulted. Investigation into the matter showed an unchecked source of interference in the powerhouse itself—a defective generator brush—which had bewitched the missile's electronic brain and misguided its homing instinct.

Some interference problems are just disconcerting. F.C.C. monitors learn to expect anything from the sublime to the ridiculous at any time of day or night.

"Gaiety Burlesque. Manager speaking," announced a voice over the telephone. "Hey, you've gotta do something about the wise guy whose interfering with our Stripper." The F.C.C. monitor stifled the first derisive comment that came to mind and promised to look into the matter. The artiste and her manager were in a state of agitation. It was the premiere performance outside her native France and like many sensitive artists of her kind had soft mood music over a public address system to enhance her act. She had advanced well through the second zipper and was toying with the third when the soft strains suddenly squawked and went dead. A moment later two thunderous Bronx cheers resounded through the silent house followed by a flat nasal voice, monotone and discouraged, stating that life in Iowa was damned dull. He then went on to explain the current decline in the price of beef cattle. The audience went wild; so did the stripper, but in opposite directions.

Zizi may have had more curves than Euclid ere dreamed of in all his geometries, but she also had flaming red hair and temper to match. "First, I thinks some jerk got hold of the mike back stage, and I'm going back and kick his teeth down his throat." But there was no one there.

But there was a defective connection in the amplifying equipment which had transformed the apparatus into a reeling set which had plucked up a "Ham Operators" conversation several states away.

But the F.C.C., the sole and woefully understaffed police of the air waves, has to concentrate on only the most vital of all the cases brought to them, a blanked out airport with a foggy night settling down, distortion of directional beams by interference or disruption of any of the many military wavelengths. Its personnel needs the combined qualities of technician, detective and diplomat and without popular cooperation they are sorely handicapped.

A naval torpedo station on the Atlantic Coast reports to the nearest F.C.C. office that their directional equipment is erratic. Immediately the weird machinery of electronic detection swings into action. Miles

away in an open field an Adcock Loop, which looks like a surrealist clothes dryer, turns to the offending frequency; one hundred miles away another loop does likewise. The two bearings are read in to the F.C.C. office and a "fix" is made by triangulation. The trouble is in the Chicago area. From the Chicago office a small sedan loaded with electronic equipment narrows down the chase, following the interference as they drive up one street and down another into the outskirts of the city. They stop outside a dimly lighted garage, and with hand held instruments go to the door. The garage man is wholly innocent of making any trouble. Just an emergency welding job promised for the next morning. The welder is brand new—first time he had ever used it. Defective design and shielding. It is set right in a few minutes. And the welder can resume his work—and the torpedo school goes about its business too.

A plastics manufacturer in Brooklyn shared the popular delusion that "the air is free" for a while at least. A newly installed electronic dryer in his plant was interfering seriously with the Coast Guard communications all along the West Coast, but he refused to cooperate—in fact suspected a "racket" and would not believe it. The fine clamped on him was several thousand dollars and a two year sentence. He both altered his electronic equipment and his point of view about the F.C.C.

But by far the largest and ever growing source of interference is from the manufacturers of electrical and electronic equipment. Yet they can not be too heavily blamed. It is a highly competitive business and one in which the difference of a few cents in production cost is all the difference between being in business and being out. It does cost a few cents more to design, shield and bond appliances in order to prevent or reduce the chance of interference, but there is no law that makes it mandatory on the civilian market.

The Interference Testing and Research Laboratory of Boston has summed up the situation from its wealth of experience.

"The basic point is that the radio spectrum is a public domain—and it is the responsibility of the F.C.C. to make it usable for the greatest good. The F.C.C. can anticipate to its best ability where trouble may be encountered but it cannot keep up with all the newest developments. Hence it has to meet new emergencies as they arise and do the best it can within the state of the art.

"There will come a time when everyone—government, industry and public—will have to cooperate just as now is the case with public health, public welfare and other public activities."

But before that can be done all of them will have to be educated to the need. If things get too bad, before the need is recognized, the government will have to step in.

Written expressly for The Old Farmer's Almanac by George Woodbury

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\$100

If you send this Coupon NOW you can get 100 GLADIOLUS Bulbs, imported from Holland, for only a penny a bulb! These bulbs from the flower center of the world will produce a rainbow of blooms in stunning reds, blues, yellows, pinks, purples, whites, crimson, violet and multi-color. These bulbs are small, blooming varieties already 1" to 1½" in circumference. Any bulb not flowering five years will be replaced! Act now to get these wonderful bulbs in time for spring planting. Limited Time Offer. Send today only \$1.00 plus 35c for postage and handling. Orders sent C.O.D. plus postage if desired.

100 GLADS. \$1.00 200 FOR \$1.94 500 FOR \$4.50

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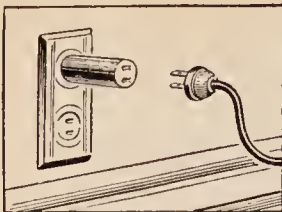
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CITY _____ ZONE _____ STATE _____

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DUTCH BULB IMPORTERS • Dept. GP152, Grand Rapids 2, Mich.





NOISY RADIO T.V.

Simple plug-in condenser filters noisy electric line interference at source.

ORDER ON APPROVAL — ONLY \$1
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The plants in this book are all indigenous to Northeastern U. S. and the only way you can get it is to write the author, the librarian of the famed Perkins School for the Blind at the address given above.



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The inclusion of some 170 drawings and over 90 maps carries out the author's hobby of Painting, Printing, and Book Collecting.

We have an idea that one day this book will not only be out of print but worth some money.



IV OR III?

If perchance you see an old Colonial Church in a Connecticut or other New England village which bears the numeral IV on its clock face, turn to your companion if you have one with you and remark that the clock face is not as old as the church or in any event isn't very old. Because, all really old clock faces used

Continued on page 80

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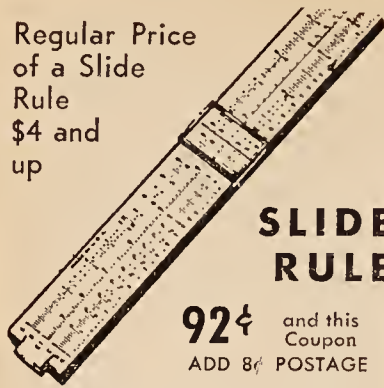
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TRAW, Dept. OF-7, Martin Ave., Clifton, N.J.

III — probably because it balanced better with the VIII, its opposite.

Brooks Palmer's *Book of American Clocks* and Wallace Nuttings *Furniture Treasury* both make this plain.

Donald Athearn

KRUTCHICLES

Plato's definition of man: "a two legged animal without feathers."

Aristotle was right? Contemplation not only the true end of man but the road that has been pursued ever since vertebrates took the road leading to keener consciousness.

The salamander is man's ancestor. Insects have no awareness of the world outside of themselves. The salamander did and man does. Consciousness itself is some sort of success. The first new species of bird to settle without human aid in the U. S. was the cattle egret in Mass. in 1952. It was dutifully shot.

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Nothing the lesser creatures can teach us is more worth learning than gladness. Of this lesson the robin is an especially effective teacher, for the same reason that some men and women are. He has, I mean, the gift of language.

(Joseph Wood Krutch from his *Great Chain of Life*, Houghton Mifflin Co.)

HUMANE SLAUGHTER

By this time, Congress may have enacted humane slaughter legislation requiring all meat packers to adopt carbon dioxide anesthetization, the Remington stunning instrument, or the captive bolt pistol for the stunning of all animals before slaughter. Electrical stunning apparently is unsatisfactory.



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TIME, TIDE AND THE FIDDLER CRAB

Down by the shores of the sea around us lives a small crustacean who scuttles obliquely about the tide-packed sand. He carries a violin. His day is a perennial scavenger hunt for algae. He is *Uca Minax*, boy Fiddler Crab, and immediately familiar to any parent who has ever unpacked a child's trunk after a seaside vacation.

He has always been considered unique because of the one giant claw which gives him his common name. For, in an emergency, he can shuck off this instrument to travel light. Yehudi Menuhin, in this position, would have to give up music, but not *Uca Minax*. Off-handedly, his other normal claw begins to grow into a new Stradivarius. And the right hand, knowing what the left is doing, sprouts a new small pincer to tie the score.

But recently marine biologists have discovered that there is more to this beady-eyed chap than a simple talent for ambidexterity. By shrewd observation and a little prying, they have learned that he also has a built-in Swiss movement—a biological clock—which automatically varies his wardrobe.

At dawn, for example, when this salt-water musician is attired in business gray, his internal clockwork tells him it is time for a change. As the day brightens, his carapace darkens until it has become a sporty, and protective, tweedy brown. This littoral translation accomplished, our friend is less apparent to airborne appetites. He is dressed for his excursions on the dark, wet beach—his supermarket.

At this point, almost anyone but a biologist would have exclaimed, "Isn't nature wonderful!" and gone right back to his space fiction. But Science, being an inquisitive party, wanted to know why. This was no blush like the chameleon's giddy fluctuation. Was metabolism responsible? Was it a response to the earth's rotation? To light and dark?

To find out, crabs were kidnapped and held in dark rooms where conditions of light and temperature were constant. Notebooks were produced, and the men who care about these things sat down for a little clockwatching.

Now, removed from their natural habitat, did these crabs wear gray for a monotonous twenty-four hours? Or brown? Did they become confused and fumble in the closet for brown jacket and gray slacks? No, indeed. They varied their dress around the clock, as always, with the regularity of a conductor's watch. Whatever happened, it appeared to the trained eye, went on inside the crab.

The scientists nodded "Aha" to each other and tried another experiment. They began parcel-posting crabs to surprised fellow-scientists in different parts of the country. They pressed packages of crabs upon acquaintances who were travelling, with instructions for compiling statistics. When enough of these had accumulated, a fact that had only been suspected was proved—the crab's clothing changes were also responsive to the twelve and one-half hour tidal, or lunar, cycle. His shell was darkest when the tide was low—when he had to range farthest down the wet sand from his burrow above high water. By the time of high tide, when he would be feeding in shallow water, he wore the pearllest gray.

And no matter how far he was mailed from the beach where he was born, or with how many crabs from different shores he was associated, he was always true, with old-school-tie fidelity, to the tides on the beach of his origin. This phenomenon was superimposed upon his response to the solar cycle. He had a clock within a clock.

If you should ever feel like dabbling in science on your own hook, you might try air mailing a clutch of Boston Harbor crabs to some indifferent pen-pal in the Middle West. Your old college room-mate, from whom you have not had an intelligent word in fifteen years, would do nicely. Tell him what to look out for. See if he won't drop whatever he is doing to join you in your pursuit of nature's mysteries. However, you may get a package by return mail that the postman will hand you and run because it ticks. He could be right. It might not be shellfish.

Back in their laboratory, the biologists tried one more experiment. They had noticed that, on his travels across the country, the fiddler crab would "run slow" by an hour for each man-made time belt through which he passed. To see what would happen, they refrigerated their good-natured subject to a point slightly above freezing.

His clock stopped. They warmed him up. He began to tick again like an electric clock after a power failure, but, like this, running "behind" to the exact extent of his frigid siesta in the icebox. The theory of an internal stimulus was strengthened. For the present, this dramatic detective story rests at this firm conclusion. But it hints of possible exciting things to come.

For the crab's intricate adaptability is by no means singular in nature, nor does he attempt to give that impression. Many animals, insects and even vegetables demonstrate a rhythmic response to natural forces. Man, too, has his ups and downs, independent of the Martini, frequently blamed upon the phases of the moon. It is in relation to these that the findings about the fiddler crab could be important. The unravelling of the mysterious effect of rhythms and cycles upon man's behavior may have progressed one step further.

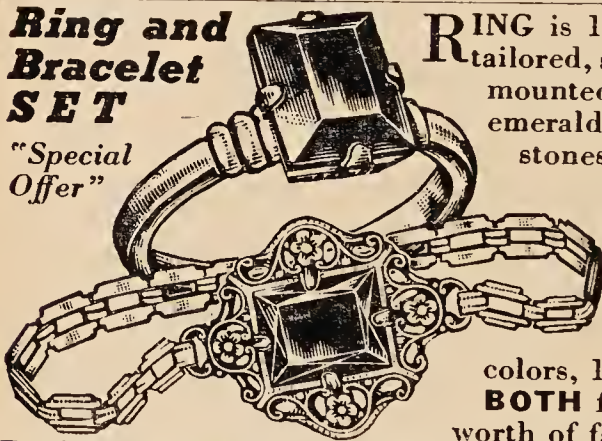
Perhaps the day is now closer when man will discover that he is the proprietor of latent natural powers that were necessary to him for survival in an earlier era which, if they could be revived, could be manipulated to his advantage. Perhaps he already possesses what any commuter thirsting after a second cup of coffee would envy the fiddler crab—a biological sense of time. Even if the only result were to relegate Baby Ben to the Smithsonian, it could be interpreted as progress.

While you are waiting for this next installment, if you would like to become a lion at parties, try attaching a fiddler crab in good condition to the left of that elk's tooth on the chain across your vest. Pull him out for study during a conversational lull, murmuring sagely, "I really should be shoving. it's almost high tide at Chat-ham." This will put the Benrus men present in the shade at once, and a ring of bright, shining eyes will be turned up to you. You will have become a nickle-plated joy to your hostess, and invitations will spike your mail as the word travels.

Written expressly for The Old Farmer's Almanac by W. L. Dougherty

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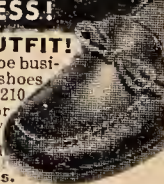
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Don't jump at conclusions. I'm not a manufacturer of any fancy new lure. I have no reels or lines to sell. I'm a professional man and make a good living in my profession. But my all-absorbing hobby is fishing. And, quite by accident, I've discovered how to go to waters that most fishermen say are fished out and come in with a good catch of the biggest bass that you ever saw. The savage old bass that got so big, because they were "wise" to every ordinary way of fishing.

This METHOD is NOT spinning, trolling, casting, fly fishing, trot line fishing, set line fishing, hand line fishing, live bait fishing, jugging, netting, trapping, or seining. No live bait or prepared bait is used. You can carry all of the equipment you need in one hand.

The whole method can be learned in twenty minutes — twenty minutes of fascinating reading. All the extra equipment you need, you can buy locally at a cost of less than a dollar. Yet with it, you can come in after an hour or two of the greatest excitement of your life, with a stringer full. Not one or two miserable 12 or 14 inch over-sized keepers — but five or six real beauties with real poundage behind them. The kind that don't need a word of explanation of the professional skill of the man who caught them. Absolutely legal, too — in every state.

This amazing method was developed by a little group of professional fishermen. Though

they were public guides, they rarely divulged their method to their patrons. They used it only when fishing for their own tables. It is possible that no man on your waters has ever seen it, ever heard of it, or ever used it. And when you have given it the first trial, you will be as close-mouthed as a man who has suddenly discovered a gold mine. Because with this method you can fish within a hundred feet of the best fishermen in the county and pull in ferocious big ones while they come home empty handed. No special skill is required. The method is just as deadly in the hands of a novice as in the hands of an old timer. My method will be disclosed only to those men in each area who will give me their word of honor not to give the method to anyone else.

Send me your name. Let me tell you how you can try out this deadly method of bringing in big bass from your local waters. Let me tell you why I let you try out my unusual method for the whole fishing season without risking a penny of your money on instructions or lures. There is no charge for this information, now or at any other time. Send me your name for details of my money-back trial offer. But I guarantee that the information I send you will make you a complete skeptic — until once you try it. And then, your own catches will fill you with disbelief. Send your name, today. This will be fun.

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Name.....

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City :.....Zone.....

State.....

FISH AND GAME SUMMARY

(Format copyrighted — must not be copied.)

Based on latest (mostly 1956-57) available laws courtesy of State Fish & Game Commissioners. For the most part 1958 laws not released until after press date (June, 1957) 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	12			11-2	11-2	11-2	C	11-2	11
Alaska.....			9	8-11	8					9-3		
Arizona.....	9-10	O	10-11	12		10				O		11
Arkansas.....		C	11-12			C	11-1	11-1	O	9-1	11-1	10-12
California.....			8-1	8-9						11-1		
Colorado.....	9		10	9						10-12		
Connecticut.....				12						11-12	10-12	10-11
Delaware.....				1			12-3	12-3	11-1	11-12	11-1	9-10
Florida.....			11-1	11-1						O		11-1
Georgia.....			11-1	11					11	11	11	10-1
Idaho.....			11-1	S	P							
Illinois.....										10-1		
Indiana.....				X						11-1		8-10
Iowa.....				10-11			12	12	11-1	11-1	11-1	8-10
Kansas.....										12-1	10-2	9-11
Kentucky.....										Ex. 11		7-11
Louisiana.....		C	11-1							11-1		8-12
Maine.....		O	10-11							10-2		10-12
Maryland.....				12			11	3-4		10-3	11-2	10-11
Massachusetts.....			10-12	12			11-1	11-1	10-12	10-2	10-12	10
Michigan.....		X	X							X		X
Minnesota.....		X	X							X	X	X
Mississippi.....			C	11-12								
Missouri.....				11					6-1	10-2	6-1	10-12
Montana.....	9-11	3-5	10-11		9-11	10-11			12-1	5-2	12-1	7-10
Nebraska.....	X		10, 11				11-1	12-3	O	O	O	9
Nevada.....	8		10							10		
New Hampshire.....		O	11-12				11-2	11-2		10-3		10-11
New Jersey.....			C	10			12-3	12-3		11-12	9-3	
New Mexico.....	9-10		9-12	10-11		10						
New York.....			10-12	10-12			11	11	11	10-11	10-1	10-12
Long Island.....			C	C								
North Carolina.....			10-12	10-12						11-1		11-12
North Dakota.....	9		10-11						10-2	11-1	10-2	10-12
Ohio.....			12				11	11		O		
Oklahoma.....			X				11-2	11-3	11-2	11-12	11-2	9-10
Oregon.....	9		9-12		X							5-12
Pennsylvania.....		11	12									9-10
Rhode Island.....			1							12		10
South Carolina.....			11-2							11-12	10-1	11-12
South Dakota.....	9		11				11-2	11-2	11-2	11-2	11-2	11-2
Tennessee.....			10	11			11-1	11-1	11-1			
Texas.....	C	11-12	11-12				10-1	10-1	10-1	11-1	10-1	9-12
Utah.....	P		10				12-1	12-1	12-1	12-1	12-1	O
Vermont.....			6-12	11								
Virginia.....			10-11	11-1			10-2	4		10-2	O	10
Washington.....			9-11	10-11	9-10	C	10-1	11-1	10-1	11-1	10-1	11-1
West Virginia.....			11	10-12						O		
Wisconsin.....			11	11						11-1	11-1	10-1
Wyoming.....	9	4-6	9-10	9-10	9-10	9-12	9-10			10-1	10-12	10-1

SPECIALS IN CERTAIN STATES:

ALLIGATOR: Ga. (6-1); Fla. (6-1)
 WILD BOAR: 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 86 AND 87

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	JACK SALMON	BROOK TROUT	LAKE TROUT	WHITEFISH
8-1			C	Alabama.....		O	O	O	O	O	O	O
		12		Alaska.....	6-			6-	6-	8	6-	
		12-1	10	Arizona.....	O	O	O	O	O	O	O	O
		11-1	4	Arkansas.....	3-5			O	O	O	O	O
11-1	11-1	11-1		California.....	O	O	O	O	5-10	5-10	5-10	O
	11			Colorado.....	O	O	O	O	O	5-10	5-10	5-10
10-11	10-11	C		Connecticut.....	4-7	4-2	4-2	4-2	4-7	4-7	4-10	4-2
	11-12	11-12		Delaware.....	11-4	O	O	O	O	O	O	O
		11-1	11-1	Florida.....	O	O	O	O	O	O	O	O
11-1		11-2	11-2	Georgia.....	O	O	O	O	O	O	O	O
X	X	X		Idaho.....	O	O	O	S	6-10	6-10	6-10	O
C	11	11-12		Illinois.....	O	O	O	5-11	O	O	O	O
11-12	X	11-12		Indiana.....	6-4	6-4	6-4	6-4	5-8	6-4	6-4	6-4
11	11-12	11-12		Iowa.....	5-2	O	5-2	O	O	O	O	O
	10	11-12		Kansas.....	O	O	O	O	O	O	O	O
11-1		11-1		Kentucky.....	O	O	O	O	O	O	O	O
		12-2	C	Louisiana.....	O	O	O	O	O	O	O	O
10-11	10-11	10-11		Maine.....	6-9	4-9	4-9	4-9	4-8	4-9	4-9	4-9
11-1	11-1	11-1	11	Maryland.....	6-11	O	6-11	4-9	4-9	4-9	4-9	4-9
10-11	10-11	10-11		Massachusetts.....	4-2	O	4-2	4-10	4-10	4-10	4-10	4-2
X	X	X		Michigan.....	6-9		4-3	C	4-9	4-9	4-9	O
	X	X		Minnesota.....	6-11	5-2	5-2	O	5-9	1-9	O	O
		12-2	4	Mississippi.....	O	O	O	O	O	O	O	O
		11		Missouri.....	5-11	3-11	5-11	3-10	3-10	3-10	3-10	3-11
	10	11		Montana.....	O	O	O	O	O	O	O	O
	10	11		Nebraska.....	O	O	O	O	O	O	O	O
	10-11	10	C	Nevada.....	S		S	S	S	S	S	
10-11	10	C		New Hampshire.....	7-10	5-10	5-3	4-8	4-8	1-9	1-8	
11-12	11-12	11-1	C	New Jersey.....	6-11	O	5-11	4-11	4-11	4-11	4-11	O
10-12	10-12	10-12	10-12	New Mexico.....	O	O	O	O	5-11	5-11	O	
10-11	10-11			New York.....	7-11	O	O	4-9	4-9	4-9	4-9	
X	11-12	X		Long Island.....					4-9			
10-1	11-1	11-1	11-1	North Carolina.....	O	O	O	O	4-8	O	O	O
10	10-11			North Dakota.....	6-2	O	5-2	5-9	5-9	5-9	5-9	O
11-12	11-12	C	C	Ohio.....	O	O	O	O	O	O	O	O
	X	11-12		Oklahoma.....	O	O	O	O	O	O	O	O
C	10-11	9-11		Oregon.....	O	O	O	4-10	4-10	4-10	4-10	4-10
10			10	Pennsylvania.....	1-3	O	O	O	4-8	4-11	O	
11-12	11-12	11-12		Rhode Island.....	6-3	4-2	O	O	4-8	4-11		
		11-2	11-2	South Carolina.....	O	O	O	O	1-9	1-9	O	
10	10-11			South Dakota.....	O	5-2	O	O	O	O	O	O
11-1	10-2	11-1	4-5	Tennessee.....	O	O	O	O	3-9	3-9	O	
	10-3	12-1	11-12	Texas.....	O	O	O	O				
P	11	11		Utah.....	6-10	6-10			6-10	6-10	6-10	6-10
10	C	C		Vermont.....	7-11		5-3	5-9	5-9	5-9	5-9	
11-1	11-1	11-1	11-1	Virginia.....	O	O	O	O	4-12	4-12	O	
10-11	10-11	10-11		Washington.....	5-10	5-10	5-10	5-10	5-10	4-10	5-10	
10-1	11	11-1	10-11	West Virginia.....	6-3	O	O	4-10	4-10	4-10	O	
10	10-11	10		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

BREAM: Ala. (O), Ga. (O), Miss. (O)

BUFFALO: Minn. (5-2)

BULL FROGS: Ariz. (6-11), Del. (5-12);
 Ida. (6-10), Ia.; (5-11); Mo. (7-11), Pa.
 (7-10), Tenn. (6-3)

HERRING: Ct. (4-6), Md. (3-9)

SHAD: Calif. (O), Ct. (4-6), Del. (3-6), Ga. (O),
 Md. (3-9), N. H. (1-8)

SMELT: Mass. (C), N. H. (O), Vt. (6-3)

STURGEON: Ida. (O), Mich. (O)

TERRAPIN: Fla. (X), Pa. (11-3)

MIGRATORY BIRD LAWS 1956 — 1957

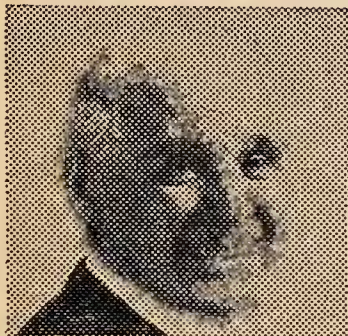
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As in the two tables just preceding, the numerals in the columns below indicate the months in which the Migratory Bird Seasons begin and end. For the actual days of beginning and ending you will HAVE TO CONSULT LOCAL AUTHORITIES.

STATE	SPECIES	DUCKS	GEESE	SNOW GEESE	ROSS'S GEESE	COOTS	BRANT	SORA	RAILS GALL.	WOOD- COCK	WILSON'S SNIPE	MOURN'G DOVE	PIGEON, B.T.
Atlantic Flyway													
Connecticut....		11-1	11-1	C	11-1	11-1	11-1	9-10	9-10	10-12	C	C	
Delaware.....		11-1	11-1	C	11-1	11-1	11-1	9-10	9-10	10-12	C	C	
Dist. Columbia.		C	C		C	C	C	C	C	C	C	C	C
Florida.....		11-1	11-1	C	11-1	11-1	11-1	9-11	9-11	11-12	12-1	10, 12	
Georgia.....		11-1	11-1	C	11-1	11-1	11-1	9-11	9-11	12-1	12	9, 12	
Maine.....		10-12	10-12	C	10-12	10-12	10-12	9-11	9-11	10-11	10-11	C	
Maryland.....		11-1	11-1	C	11-1	11-1	11-1	9-10	9-10	11-12	11-12	9-11	
Massachusetts		10-12	10-12	C	10-12	10-12	10-12	10-12	10-12	10-11	10-11	C	
New Hampshire		10-12	10-12	C	10-12	10-12	10-12	9-11	9-11	10-11	10-11	C	
New Jersey....		11-1	11-1	C	11-1	11-1	11-1	9-11	9-11	10-11	11	C	
New York.....		10-12	10-12	C	10-12	10-12	10-12	9-11	9-11	11	10-11	C	
Long Island...		11-1	11-1	C	11-1	11-1	11-1	9-11	9-11	10-11	11	C	
No. Carolina...		11-1	11-1	C	11-1	11-1	11-1	9-11	9-11	11-12	11-12	9, 12	
Pennsylvania..		10-12	10-12	C	10-12	10-12	10-12	9-11	9-11	10-11	10-11	C	
Rhode Island..		11-1	11-1	C	11-1	11-1	11-1	10-12	10-12	11	11-12	9-10	
So. Carolina...		11-1	11-1	C	11-1	11-1	11-1	10-12	10-12	12-1	12-1	9, 12	
Vermont.....		10-12	10-12	C	10-12	10-12	10-12	9-11	9-11	10-11	C	C	
Virginia.....		11-1	11-1	C	11-1	11-1	11-1	9-10	9-10	11-12	11-12	9-10	
W. Virginia....		11-1	11-1	C	11-1	11-1	11-1	10-12	10-12	10-11	11-12	12-1	
Puerto Rico....		12-2	12-2	C	12-2	12-2	12-2	12-2	12-2	C	C	10-11	
Miss. Flyway													
Alabama.....		11-1	11-1	11-1	11-1	11-1	11-1	11-1	11-1	12-1	12-1	10, 12	
Arkansas.....		11-1	11-1	11-1	11-1	11-1	11-1	9-11	9-11	11-12	11-12	9, 12	
Illinois.....		10-12	10-12	10-12	10-12	10-12	10-12	C	C	11-12	10-11	9-10	
Indiana.....		10-12	10-12	10-12	10-12	10-12	10-12	9-11	9-11	10-11	10-11	C	
Iowa.....		10-12	10-12	10-12	10-12	10-12	10-12	C	C	C	10-11	C	
Kentucky.....		11-1	11-1	11-1	11-1	11-1	11-1	11-1	11-1	11-12	11-12	9-10	
Louisiana.....		11, 12	11, 12	11, 12	11, 12	11, 12	11, 12	10-12	10-12	12-1	12-1	9, 12	
Michigan.....		10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-11	10	C	
Minnesota.....		10-11	10-11	10-11	10-11	10-11	10-11	9-10	9-10	10-11	10-11	C	
Mississippi....		11-1	11-1	11-1	11-1	11-1	11-1	10-12	10-12	10-1	12-1	9, 11	
Missouri.....		10-1	10-1	10-1	10-1	10-1	10-1	9-11	9-11	11-12	10-11	9-11	
Ohio.....		10-12	10-12	10-12	10-12	10-12	10-12	11-1	11-1	10-11	10-11	C	
Tennessee.....		11-1	11-1	11-1	11-1	11-1	11-1	11-1	11-1	11-12	12	9-11	
Wisconsin.....		10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-12	10-11	10	C	
Central Flyway													
Colorado.....		10-1	11-1	11-1	C	10-1	10-1	9-11	9-11	C	10-11	9-10	
Kansas.....		10-12	10-12	10-12	C	10-12	10-12	9-11	9-11	C	10-11	9-10	
Montana.....		10-12	10-12	10-12	C	10-12	10-12	C	C	C	10-11	C	
Nebraska.....		10-12	10-12	10-12	C	10-12	10-12	C	C	C	10-11	C	
New Mexico....		11-1	11-1	11-1	C	11-1	11-1	11-1	11-1	C	11	9-10	
No. Dakota....		10-12	10-12	10-12	C	10-12	10-12	10-12	10-12	C	10	C	
Oklahoma.....		10-12	10-12	10-12	C	10-12	10-12	10-12	10-12	11-12	12	9-10	
So. Dakota....		10-12	10-12	10-12	C	10-12	10-12	C	C	C	10	C	
Texas.....		11-1	11-1	11-1	C	11-1	11-1	9-11	9-11	12-1	12-1	9-11	
Wyoming.....		11-12	10-12	11-12	C	11-12	11-12	C	C	C	C	9	
Pacific Flyway													
Arizona.....		11-1	11-1	11-1	C	10-2	C		10-2		C	9, 12	C
California.....		10-12	10-12	10-12	C	11-2	12-2		11-2		12	9	10, 12
Idaho.....		10-12	10-12	10-12	C	10-12	C		10-12		C	9	C
Nevada.....		10-12	10-12	10-12	C	10-1	C		10-1		10-11	9-10	C
Oregon.....		10-12	10-12	10-12	C	10-1	12-1		10-1		11-12	9	9
Utah.....		10-12	10-12	10-12	C	10-12	C		10-12		C	9	C
Washington....		10-12	10-12	10-12	C	10-1	12-2		10-1		11-12	9	9
Alaska.....		9-11	9-11	9-11	9-11	9-11	9-11	9-11	9-11		9		

I Was Ashamed To Always Be So Tired!



Each Daily C. F. Capsule Contains:

Choline	Calcium
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Vitamin A 12,500 USP Units	Calcium 75 mg
Vitamin D 1,000 USP Units	Phosphorus 38 mg
Vitamin C 75 mg	Iron 30 mg
Vitamin B1 5 mg	Cobalt 0.04 mg
Vitamin B2 2.5 mg	Copper 0.45 mg
Vitamin B6 0.5 mg	Manganese 0.5 mg
Vitamin B12 1 mcg	Molybdenum 0.1 mg
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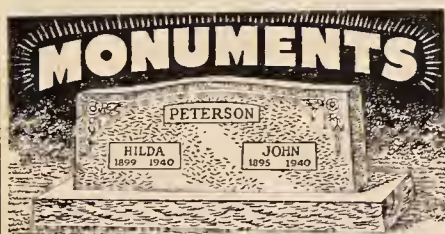
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To The Man With HERNIA



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Now a New Way to Support Hernia

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Address _____ Zone _____

City _____ State _____

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Prevents Dryness, Scales, Cracking



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POSTAL RATES

July 29, 1957

A digest of current postal rates appears below. There is not any assurance in view of the Administration's efforts to raise postal rates that even these will remain as is for long.

LETTERS AND POSTAL CARDS. — FIRST CLASS.

Letters and Written and Sealed Matter, 3 cents for each ounce.

Postcards and Private Mailing Cards (not larger than 3 $\frac{1}{4}$ by 5 $\frac{1}{4}$)..... .02

Government Postal Cards, each..... .02

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

PARCEL POST. — FOURTH CLASS.

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	Over 1800 miles
1	\$0.18	\$0.23	\$0.23	\$0.24	\$0.26	\$0.28	\$0.30	\$0.32
5	.24	.39	.44	.52	.63	.76	.91	1.05
10	.32	.59	.70	.87	1.10	1.36	1.67	1.95

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.

AIR MAIL: On United States Continent

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

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; Armed Forces or Civilian personnel with Army or Navy Postoffice addresses Continental United States, Alaska, Canal Zone, Canton Island, Guam, Hawaii, Puerto Rico, and U. S. Virgin Islands.

B. 10 cents: Central and South America, West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10— $\frac{1}{2}$ 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— $\frac{1}{2}$ oz.

E. 25 cents: All other localities .25— $\frac{1}{2}$ oz.

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



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MOTOR VEHICLE LAWS—1957

Courtesy: American Automobile Association

State	Op. Rd. Speed Max. (R—reasonable)	Date license plates can be used	New license plates can be used	Driving license Minimum age	Gasoline tax	Percent sales tax	Period of stay ¹	Safety responsibility law	Certification of title required
Alabama	60	Oct. 1	16	\$.07	1	Reciprocal	A	no	
Arizona	R	Dec. 1	18a	.05	2	3	A	yes	
Arkansas	60	Jan. 1	14c	.065	2	30 days	A	yes	
California	55	Jan. 1	16b	.06	3	3	A	yes	
Colorado	60	Jan. 1	16	.06	2	Reciprocal	A	yes	
Connecticut	R	Mar. 1	16	.06	3	6 mos.	A	no	
Delaware	55	3 mos.*	16	.05	...	90 days	A	yes	
D. C.	25	Mar. 1	16†	.06	2	Reciprocal	A	yes	
Florida	60	Jan. 1	16b†	.07	...	Reciprocal	A-B	yes	
Georgia	60	Jan. 1	16	.065	3	30 days	A	no	
Idaho	60	Dec. 1	16b	.06	...	Reciprocal	A	yes	
Illinois	60	Mar. 1	16†	.05	2½	Reciprocal	A	yes	
Indiana	65	Jan. 2	16	.06	...	60 days	A	yes	
Iowa	R	Dec. 1	16b	.06	2½	Reciprocal	A	yes	
Kansas	R	Jan. 1	16b	.05	2	3	D	yes	
Kentucky	60	Dec. 29	16	.07	...	Reciprocal	A	yes	
Louisiana	60	Dec. 1	15	.07	2	Reciprocal	A	yes	
Maine	45	Dec. 25	15†	.07	2	Reciprocal	A	no	
Maryland	50	Mar. 1	16h	.06	2	30 days	A	yes	
Massachusetts	40	Jan. 1	16	.055	.05½	Reciprocal	C	no	
Michigan	65	Dec. 1	16b	.06	3	90 days	A	yes	
Minnesota	60	Nov. 1	15†	.05	...	Reciprocal	A	no	
Mississippi	60	Nov. 1	17d	.07	2	30 days	A	no	
Missouri	R	On issue	16d	.03	2	Reciprocal	A	yes	
Montana	65	Jan. 1	15	.07	...	30 days	A	yes	
Nebraska	50	Jan. 1	15½	.06	...	Reciprocal	A	yes	
Nevada	R	June 1	16	.06	2	3	A	yes	
New Hampshire	50	Mar. 1	16	.05	...	Reciprocal	A	no	
New Jersey	50	On issue	17	.04	...	Reciprocal	A	yes	
New Mexico	60	Dec. 15	16	.06	1	90 days	B	yes	
New York	50	Jan. 1	18a	.04	...	Reciprocal	C	no	
North Carolina	55	Jan. 1	16†	.07	1	Reciprocal	A	yes	
North Dakota	65	Nov. 1	16b	.06	2	Reciprocal	A	yes	
Ohio	60	Mar. 1	16b	.05	3	Reciprocal	A	yes	
Oklahoma	65	Dec. 11	16b	.075	2	60 days	A	yes	
Oregon	55	On issue	16b	.06	...	Reciprocal	A	yes	
Pennsylvania	50	Mar. 15	18†a	.05	3	Reciprocal	A	yes	
Rhode Island	50	Mar. 1	16	.04	2	Reciprocal	A	no	
South Carolina	55	Sept. 17	14	.07	3	90 days	A	no	
South Dakota	60	Jan. 1	15	.06	2	60 days	D	yes	
Tennessee	65	Mar. 1	16b	.07	3	30 days	A	yes	
Texas	60	Feb. 1	16b	.05	1.1	Reciprocal	A	yes	
Utah	60	Jan. 1	16	.06	2	Reciprocal	A	yes	
Vermont	50	Mar. 1	18a	.055	...	Reciprocal	A	no	
Virginia	55	Mar. 15	15f	.06	...	60 days	A	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.

²None on used cars.

³Until expiration of home registration.

⁴Three months before current registration expires.

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

⁶Bill of sale must be filed.

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

ss\$15 maximum. *Visitor's permit required after 10 days. *Prior to expiration of 1956 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. (h)

Under 21, need par. lic. sig. — (g) Jr. P'mt 13.

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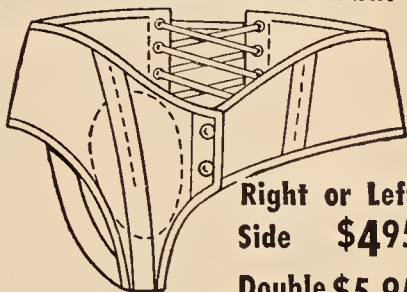
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Right Side \$4.95 Measure around lowest
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Harrisburg	Apr. 9 — Oct. 28
Cincinnati	Apr. 8 — Oct. 23
Toledo	Apr. 22 — Oct. 18
Chicago	Apr. 16 — Oct. 19
Detroit	Apr. 28 — Oct. 15
Duluth	May 6 — Oct. 5
Bismarck	May 11 — Sept. 21
Omaha	Apr. 14 — Oct. 15
Portland, Maine	Apr. 19 — Oct. 17
Hartford	Apr. 20 — Oct. 13
Evansville	Apr. 5 — Oct. 29
Cairo	Mar. 31 — Oct. 29
Minneapolis	Apr. 27 — Oct. 10
Concord, N. H.	May 7 — Oct. 3
Richmond	Mar. 31 — Nov. 2
Raleigh	Mar. 27 — Nov. 5
Macon	Mar. 14 — Nov. 14
Helena	May 7 — Sept. 29
Santa Fe	Apr. 25 — Oct. 19
Tucson	Mar. 11 — Nov. 9
Portland, Ore.	Mar. 15 — Nov. 21
Parkersburg	Apr. 17 — Oct. 18
Oklahoma City	Mar. 30 — Nov. 3
Denver	May 3 — Oct. 10
Spokane	Apr. 14 — Oct. 13
Salt Lake City	Apr. 18 — Oct. 20

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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 the right hand pages of the Farm Calendars, on pages 8, 9, 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 104 and 105.

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 104 and 105 you will find columns for each of these letters as well as a number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 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	D	
YOUR TOWN	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Lat.																			
Lo.																			

HOW TIMES ARE CONVERTED FOR YOUR TOWN

Sunrise and Sunset. The times of sunrise and sunset at Boston on April 11 are read directly from columns 4 and 6 on page 22. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on pages 104-5 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

	BOSTON		PITTSBURGH, PA.	
Sunrise	5:10	A.M.E.S.T.	Sunrise (Boston)	5:10 A.M.E.S.T.
Key Letter		G	Correction (Column G, page 105)	+ :38
			Sunrise (Pittsburgh)	5:48 A.M.E.S.T.
Sunset	6:21	P.M.E.S.T.	Sunset (Boston)	6:21 P.M.E.S.T.
Key letter		K	Correction (Column K, page 105)	+ :33
			Sunset (Pittsburgh)	6:54 P.M.E.S.T.

Sun Fast. The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 15 minutes Fast of Eastern Standard Time. The time indicated by a sundial located elsewhere than in Boston is converted to clock time by applying two corrections, the "Sun Fast" correction for Boston and that for the locality given in Column I of the table on page 104 or 105.

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

	BOSTON		PITTSBURGH, PA.	
Length of day	13h 11m		Sunset (Pittsburgh)	6:54 P.M.
(From calendar page 22, April 11.)			Sunrise (Pittsburgh)	5:48 A.M.
			Length of Day	13h 6m

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

BOSTON		PITTSBURGH	
Moonrise	1.09 A.M. E.S.T.	Moonrise (Boston)	1.09 A.M.
Key letter	M	Correction (Column M, page 105)	+ :31
April 11		Correction (Column D , page 105)	+ :01
Page 22			
		Moonrise (Pittsburgh)	1.41 A.M., E.S.T.

Moon Souths. The time the moon souths in Boston is converted to the time it is due south in a locality other than Boston by applying the appropriate corrections from Columns I and **D** on page 104, 105.

BOSTON		PITTSBURGH	
Moon souths	9.37 P.M. E.S.T.	Moon souths (Boston)	6.18 A.M.
April 11		Correction (Column I, page 105)	+ :36
Page 22		Correction (Column D , page 105)	+ :01
		Moon souths (Pittsburgh)	6.55 A.M., E.S.T.

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

Risings and Settings of the Planets. The times of the rising and setting of the naked eye Planets with the exception of Mercury are given for Boston in the table on page 7. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 102.

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

BOSTON (Latitude 42° 22' N.)		April 11	PITTSBURGH, PA. (Latitude 40° 26' N.)	
Sunrise	5.10 A.M.		Sunrise	5.48 A.M.
Subtract length of twilight (Column 3 of table)	1:39		Subtract length of twilight (Column 3 of table)	1:39
Dawn breaks	3.31 A.M.E.S.T.		Dawn breaks	4.09 A.M., E.S.T.
Sunset	6.21 P.M.		Sunset	6.54 P.M.
Add length of twilight	1:39		Add length of twilight	1:39
Dark descends	8.00 P.M.E.S.T.		Dark descends	8.33 P.M., E.S.T.

LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.

Add to time of sunset for dark.

Latitude	25°N	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 102. Column keyletters refer to pages 7, 16-38.)

City	Latitude	Longitude	Time used	A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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	+ 28	+ 24	+ 20	+ 16	+ 12	+ 8	+ 4	+ 0	+ 28	+ 24	+ 20	+ 16	+ 12	+ 8	+ 4	+ 0	+ 28	+ 24	+ 20	+ 16	+ 12	+ 8	+ 4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	+ 15	+ 11	+ 7	+ 3	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	+ 4	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Baltimore, Md.....	39 17 26	76 36 45	EST	+ 76	+ 73	+ 69	+ 64	+ 60	+ 55	+ 51	+ 46	+ 42	+ 37	+ 33	+ 28	+ 24	+ 19	+ 15	+ 11	+ 7	+ 3	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Beaumont, Tex.....	30 05 20	94 06 09	CST	+ 38	+ 34	+ 30	+ 25	+ 21	+ 16	+ 11	+ 7	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Birmingham, Ala..	33 21 01	86 48 36	CST	+ 48	+ 47	+ 46	+ 45	+ 44	+ 43	+ 42	+ 41	+ 40	+ 39	+ 38	+ 37	+ 36	+ 35	+ 34	+ 33	+ 32	+ 31	+ 30	+ 29	+ 28	+ 27	+ 26	+ 25	+ 24	+ 23	+ 22	+ 21	+ 20	+ 19	+ 18	+ 17	+ 16	+ 15	+ 14	+ 13	+ 12	+ 11	+ 10	+ 9	+ 8	+ 7	+ 6	+ 5	+ 4	+ 3	+ 2	+ 1	+ 0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Canton, Ohio.....	40 47 50	81 22 37	EST	+ 73	+ 69	+ 64	+ 60	+ 54	+ 49	+ 44	+ 40	+ 35	+ 30	+ 25	+ 20	+ 15	+ 11	+ 6	+ 2	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Charleston, S. C....	32 46 35	79 55 53	EST	+ 59	+ 57	+ 55	+ 53	+ 51	+ 48	+ 46	+ 44	+ 42	+ 40	+ 37	+ 35	+ 33	+ 31	+ 29	+ 27	+ 25	+ 23	+ 21	+ 19	+ 17	+ 15	+ 13	+ 11	+ 9	+ 7	+ 5	+ 3	+ 1	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Charleston, W. Va..	38 21 01	81 37 52	EST	+ 9	+ 8	+ 8	+ 8	+ 7	+ 7	+ 7	+ 7	+ 6	+ 6	+ 6	+ 6	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5	+ 5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Chicago, Ill.....	41 52 28	87 38 22	CST	+ 68	+ 66	+ 65	+ 63	+ 61	+ 59	+ 57	+ 55	+ 54	+ 52	+ 50	+ 48	+ 46	+ 45	+ 43	+ 41	+ 39	+ 37	+ 35	+ 33	+ 31	+ 29	+ 27	+ 25	+ 23	+ 21	+ 19	+ 17	+ 15	+ 13	+ 11	+ 9	+ 7	+ 5	+ 3	+ 1	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Cincinnati, Ohio...	39 06 07	84 30 35	EST	+ 73	+ 70	+ 66	+ 61	+ 57	+ 52	+ 48	+ 44	+ 39	+ 35	+ 31	+ 26	+ 22	+ 18	+ 14	+ 10	+ 6	+ 2	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Columbia, S. C.....	34 00 02	81 02 00	EST	+ 94	+ 90	+ 85	+ 80	+ 75	+ 70	+ 65	+ 60	+ 55	+ 50	+ 45	+ 40	+ 35	+ 30	+ 26	+ 21	+ 17	+ 12	+ 8	+ 4	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Columbus, Ga.....	32 28 07	84 59 24	EST	+ 98	+ 94	+ 89	+ 84	+ 79	+ 74	+ 69	+ 64	+ 59	+ 54	+ 49	+ 44	+ 39	+ 34	+ 29	+ 24	+ 19	+ 14	+ 9	+ 4	+ 0	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2	+ 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	+ 36	+ 35	+ 34	+ 33	+ 32	+ 31	+ 30	+ 29	+ 28	+ 27	+ 26	+ 25	+ 24	+ 23	+ 22	+ 21	+ 20	+ 19	+ 18	+ 17	+ 16	+ 15	+ 14	+ 13	+ 12	+ 11	+ 10	+ 9	+ 8	+ 7	+ 6	+ 5	+ 4	+ 3	+ 2	+ 1	+ 0																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Columbus, Ohio.....	39 57 47	83 00 17	EST	+ 103	+ 98	+ 91	+ 83	+ 75	+ 68	+ 60	+ 52	+ 45	+ 37	+ 26	+ 21	+ 14	+ 6	+ 0	+ 7	+ 14	+ 21	+ 28	+ 35	+ 42	+ 49	+ 56	+ 63	+ 70	+ 77	+ 84	+ 91	+ 98	+ 103	+ 108	+ 115	+ 122	+ 129	+ 136	+ 143	+ 150	+ 157	+ 164	+ 171	+ 178	+ 185	+ 192	+ 199	+ 206	+ 213	+ 220	+ 227	+ 234	+ 241	+ 248	+ 255	+ 262	+ 269	+ 276	+ 283	+ 290	+ 297	+ 304	+ 311	+ 318	+ 325	+ 332	+ 339	+ 346	+ 353	+ 360	+ 367	+ 374	+ 381	+ 388	+ 395	+ 402	+ 409	+ 416	+ 423	+ 430	+ 437	+ 444	+ 451	+ 458	+ 465	+ 472	+ 479	+ 486	+ 493	+ 500	+ 507	+ 514	+ 521	+ 528	+ 535	+ 542	+ 549	+ 556	+ 563	+ 570	+ 577	+ 584	+ 591	+ 598	+ 605	+ 612	+ 619	+ 626	+ 633	+ 640	+ 647	+ 654	+ 661	+ 668	+ 675	+ 682	+ 689	+ 696	+ 703	+ 710	+ 717	+ 724	+ 731	+ 738	+ 745	+ 752	+ 759	+ 766	+ 773	+ 780	+ 787	+ 794	+ 801	+ 808	+ 815	+ 822	+ 829	+ 836	+ 843	+ 850	+ 857	+ 864	+ 871	+ 878	+ 885	+ 892	+ 899	+ 906	+ 913	+ 920	+ 927	+ 934	+ 941	+ 948	+ 955	+ 962	+ 969	+ 976	+ 983	+ 990	+ 997	+ 1004	+ 1011	+ 1018	+ 1025	+ 1032	+ 1039	+ 1046	+ 1053	+ 1060	+ 1067	+ 1074	+ 1081	+ 1088	+ 1095	+ 1102	+ 1109	+ 1116	+ 1123	+ 1130	+ 1137	+ 1144	+ 1151	+ 1158	+ 1165	+ 1172	+ 1179	+ 1186	+ 1193	+ 1200	+ 1207	+ 1214	+ 1221	+ 1228	+ 1235	+ 1242	+ 1249	+ 1256	+ 1263	+ 1270	+ 1277	+ 1284	+ 1291	+ 1298	+ 1305	+ 1312	+ 1319	+ 1326	+ 1333	+ 1340	+ 1347	+ 1354	+ 1361	+ 1368	+ 1375	+ 1382	+ 1389	+ 1396	+ 1403	+ 1410	+ 1417	+ 1424	+ 1431	+ 1438	+ 1445	+ 1452	+ 1459	+ 1466	+ 1473	+ 1480	+ 1487	+ 1494	+ 1501	+ 1508	+ 1515	+ 1522	+ 1529	+ 1536	+ 1543	+ 1550	+ 1557	+ 1564	+ 1571	+ 1578	+ 1585	+ 1592	+ 1599	+ 1606	+ 1613	+ 1620	+ 1627	+ 1634	+ 1641	+ 1648	+ 1655	+ 1662	+ 1669	+ 1676	+ 1683	+ 1690	+ 1697	+ 1704	+ 1711	+ 1718	+ 1725	+ 1732	+ 1739	+ 1746	+ 1753	+ 1760	+ 1767	+ 1774	+ 1781	+ 1788	+ 1795	+ 1802	+ 1809	+ 1816	+ 1823	+ 1830	+ 1837	+ 1844	+ 1851	+ 1858	+ 1865	+ 1872	+ 1879	+ 1886	+ 1893	+ 1900	+ 1907	+ 1914	+ 1921	+ 1928	+ 1935	+ 1942	+ 1949	+ 1956	+ 1963	+ 1970	+ 1977	+ 1984	+ 1991	+ 1998	+ 2005	+ 2012	+ 2019	+ 2026	+ 2033	+ 2040	+ 2047	+ 2054	+ 2061	+ 2068	+ 2075	+ 2082	+ 2089	+ 2096	+ 2103	+ 2110	+ 2117	+ 2124	+ 2131	+ 2138	+ 2145	+ 2152	+ 2159	+ 2166	+ 2173	+ 2180	+ 2187	+ 2194	+ 2201	+ 2208	+ 2215	+ 2222	+ 2229	+ 2236	+ 2243	+ 2250	+ 2257	+ 2264	+ 2271	+ 2278	+ 2285	+ 2292	+ 2299	+ 2306	+ 2313	+ 2320	+ 2327	+ 2334	+ 2341	+ 2348	+ 2355	+ 2362	+ 2369	+ 2376	+ 2383	+ 2390	+ 2397	+ 2404	+ 2411	+ 2418	+ 2425	+ 2432	+ 2439	+ 2446	+ 2453	+ 2460	+ 2467	+ 2474	+ 2481	+ 2488	+ 2495	+ 2502	+ 2509	+ 2516	+ 2523	+ 2530	+ 2537	+ 2544	+ 2551	+ 2558	+ 2565	+ 2572	+ 2579	+ 2586	+ 2593	+ 2600	+ 2607	+ 2614	+ 2621	+ 2628	+ 2635	+ 2642	+ 2649	+ 2656	+ 2663	+ 2670	+ 2677	+ 2684	+ 2691	+ 2698	+ 2705	+ 2712	+ 2719	+ 2726	+ 2733	+ 2740	+ 2747	+ 2754	+ 2761	+ 2768	+ 2775	+ 2782	+ 2789	+ 2796	+ 2803	+ 2810	+ 2817	+ 2824	+ 2831	+ 2838	+ 2845	+ 2852	+ 2859	+ 2866	+ 2873	+ 2880	+ 2887	+ 2894	+ 2901	+ 2908	+ 2915	+ 2922	+ 2929	+ 2936	+ 2943	+ 2950	+ 2957	+ 2964	+ 2971	+ 2978	+ 2985	+ 2992	+ 2999	+ 3006	+ 3013	+ 3020	+ 3027	+ 3034	+ 3041	+ 3048	+ 3055	+ 3062	+ 3069	+ 3076	+ 3083	+ 3090	+ 3097	+ 3104	+ 3111	+ 3118	+ 3125	+ 3132	+ 3139	+ 3146	+ 3153	+ 3160	+ 3167	+ 3174	+ 3181	+ 3188	+ 3195	+ 3202	+ 3209	+ 3216	+ 3223	+ 3230	+ 3237	+ 3244	+ 3251	+ 3258	+ 3265	+ 3272	+ 3279	+ 3286	+ 3293	+ 3300	+ 3307	+ 3314	+ 3321	+ 3328	+ 3335	+ 3342	+ 3349	+ 3356	+ 3363	+ 3370	+ 3377	+ 3384	+ 3391	+ 3398	+ 3405	+ 3412	+ 3419	+ 3426	+ 3433	+ 3440	+ 3447	+ 3454	+ 3461	+ 3468	+ 3475	+ 3482	+ 3489	+ 3496	+ 3503	+ 3510

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
Los Angeles, Cal....	34	03	15	118	14	28	PST	+41	+38	+34	+30	+25	+21	+17	+12	+8	+4	-1	-5	-9	-13	-17	-21	-25
Macon, Georgia....	32	50	12	83	73	36	EST	+88	+84	+79	+74	+69	+64	+60	+55	+50	+45	+40	+35	+30	+26	+21	+17	+12
Madison, Wis....	43	04	23	89	22	55	CST	+10	+11	+11	+12	+12	+12	+13	+13	+14	+14	+15	+15	+16	+16	+17	+17	+17
Memphis, Tenn....	35	08	46	90	03	10	CST	+45	+42	+38	+34	+31	+27	+23	+19	+15	+12	+8	+4	-	-	-	-	-
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
Mobile, Ala....	30	41	36	88	18	33	CST	+52	+48	+42	+36	+31	+25	+19	+13	+7	+2	-4	-10	-16	-21	-26	-31	-37
Montgomery, Ala....	32	22	33	86	12	31	CST	+40	+36	+31	+26	+21	+16	+11	+5	+0	-5	-10	-15	-20	-25	-29	-34	-38
Nashville, Tenn....	36	09	33	86	46	55	CST	+29	+26	+23	+19	+16	+12	+9	+6	+3	+1	-4	-7	-11	-14	-17	-20	-23
New Haven, Ct....	41	18	25	72	55	30	EST	+9	+9	+9	+8	+8	+7	+7	+7	+6	+6	+5	+4	+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	-	-	-	-	-	-
New York, N. Y....	40	45	06	73	59	39	EST	+18	+17	+16	+15	+14	+13	+13	+12	+11	+10	+9	+8	+8	+7	+6	+5	+4
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
Oklahoma City....	45	28	26	97	31	04	CST	+74	+71	+67	+64	+60	+56	+53	+49	+45	+42	+38	+34	+31	+27	+24	+21	+17
*Ottawa, Ontario....	45	31	-	76	43	-	EST	+3	+5	+7	+9	+11	+13	+15	+17	+19	+21	+23	+26	+28	+30	+32	+34	+36
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
Phoenix, Arizona....	33	27	12	112	04	28	MIST	+79	+73	+71	+67	+62	+57	+53	+48	+44	+39	+34	+30	+25	+21	+17	+13	+8
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
Portland, Maine....	43	39	33	70	15	19	EST	-9	-9	-8	-7	-6	-5	-4	-4	-3	-2	-1	-	0	+1	+2	+2	+3
Pueblo, Colo....	38	16	17	104	36	33	MIST	+32	+30	+28	+25	+23	+21	+18	+16	+14	+12	+10	+7	+5	+3	+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
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
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
Salt Lake City, Utah	40	45	23	111	53	26	MIST	+50	+50	+49	+48	+47	+46	+45	+44	+43	+42	+41	+40	+39	+38	+37	+36	+36
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
San Diego, Cal....	32	42	53	117	29	21	PST	+42	+38	+33	+29	+24	+19	+14	+9	+4	-1	-6	-11	-16	-20	-24	-29	-33
San Francisco, Cal....	37	46	39	112	24	40	PST	+44	+42	+40	+38	+35	+33	+30	+28	+25	+23	+20	+18	+15	+13	+11	+8	+6
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
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
Springfield, Wash....	47	36	32	122	20	12	PST	-2	+1	+4	+8	+12	+15	+19	+22	+26	+29	+32	+36	+39	+43	+47	+50	+53
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
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
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
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
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
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
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
*Winnipeg, Man....	49	51	-	96	-	-	CST	+2	+7	+13	+19	+25	+30	+35	+40	+45	+50	+55	+60	+66	+71	+76	+82	+89

* 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.

	Time Differ- ence h.m.	Height Differ- ence Ft.		Time Differ- ence h.m.	Height Differ- ence Ft.
MAINE			PENNSYLVANIA		
Augusta	+3 50	*0.4	Philadelphia	+2 29	*0.5
Baugor	-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
Ilyannisport	+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. 11. See page 22, column 11, for time; page 23 for height.

BOSTON		MIAMI	
High Tide (from page 22)	5.30 P.M.E.S.T.	High tide (Boston)	5.30 P.M.
		Correction above	-3.00
Height (from page 23)	8.5 feet	High tide (Miami)	2.30 P.M.E.S.T.
		Height (Miami)	2.55 feet
		(8.5 x 0.3)	

ANSWERS TO OLDFASHIONED PUZZLES ON PAGE 48

I

Conundrums

1. They like to conjugate rather than decline. 2. Preserved pears (pairs). 3. Because the others are weak (weak). 4. Because we must all give it up.

II

Questions

1. 8¼. 2. 20. 3. 14.

III

Riddles

A lawsuit.

IV

Conundrums

1. When it turns over a new leaf. 2. Silence. 3. Because there are r-a-t-s in both. 4. A carriage wheel.

V

Enigma

A shadow.

VI

Puzzle

An interpretation of 3 or 4 lines is sufficient to show how the puzzle is made out.

An Epitaph of a woman who sold earthenware.

Beneath this stone lies Katharine Gray,

Chang'd from a busy life to a life of clay.

By earth and clay she got her pelf.

And now she's turned to earth herself, etc.

ANSWERS TO CHARADES ON PAGE 65

I. Candidate. II. Milestone. III. Love. IV. Bayonet. V. Civil. VI. Fire-lock. VII. Mankind. VIII. Rattle-snake. IX. Con-tent. X. Level. XI. Zero.

(Original Charades by Andrews Norton and Others.)

ENDS GRAY HAIR

WORRIES IN 5 SECONDS

PARTING
TEMPLES → ROOTS

\$1.00

PLUS
TAX



Quick, easy Tintz Touchup Pencil colors gray, faded hair at roots, parting, temples. Like lipstick. In metal swivel case. Won't rub off, but washes out. SEND NO MONEY. Deposit with

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Amazing 100 Year Old Gypsy Bait Oil MAKES FISH BITE

OR NO COST!



PICTURES PROVE IT REALLY WORKS! Look at 1295 lbs. fish, those big hard to catch small-feeders landed by Roy Martin party, Destin, Fla. Gypsy Fish Bait Oil used on all bait. Hundreds of pictures like these on file.

MYSTERY SCENT MAKES SMELL-FEEDING FISH GO CRAZY

Fishing scientists are just learning what wandering Gypsies knew 100 years ago . . . many kinds of the most wanted fish such as catfish, bullheads, carp, snappers are "smell" feeders. Gypsies invented this amazing scented oil formula that excites these fish through the thousands of tiny smell organs covering their bodies. A whiff while feeding and these fish streak for your bait. They all fight over it and usually the largest fish wins. Just dab mystery scented Gypsy Fish Bait Oil on your bait . . . fish lakes, rivers, creeks, ponds, or the ocean . . . still fish with pole and bobber, cast, troll or spin . . . if yours isn't the biggest catch in the entire party, your money back. Say we're crazy. Be skeptical as you like. But let us send you the DOUBLE STRENGTH GYPSY FISH BAIT OIL to try at our risk.

CATCH 300 BIG FISH OR MONEY BACK

Send for the new DOUBLE STRENGTH GYPSY FISH BAIT OIL (double size) for \$1.98 or 3 for \$4.98. On arrival deposit your money plus C.O.D. postage thru postman. Cash orders sent postpaid. If you don't catch at least 300 small feeding fish (big ones too) before all the Gypsy is used up return empty bottle for money back. FREE! Handy water-resistant fisherman's pouch for matches, lunch, tobacco, etc. included free to keep even if you return empty bottle. Accept this friendly challenge. Write today to

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CORNS · CALLOUSES

Lift Right Off In 30 Minutes



Say goodbye to laming corns and callouses that make you limp around in torture. New easy safe painless liquid discovery called Half-Hour Cornmaster removes even stubborn corns and callouses in 30 minutes! Just

dab on, let set, lift off. No cutting, no pads. Removes soft corns between toes just as easy. Not in stores. Send \$1 for enough to get rid of 25 corns and callouses. Postpaid. If C.O.D. postage extra. Special 3 for \$2.50. Be delighted in 30 minutes or return for money back. Write to

YOUNG Dept. 644, 7640 N. Milwaukee Ave.
CO. Chicago 31, Illinois

THE FIRST BOOK EVER PRINTED IN ENGLISH CAXTON'S GAME AND PLAYE OF THE CHESSE

In 1474 A.D. William Caxton (pronounced Cauxton), an Englishman living in Belgium, printed and published the above named book—the first to appear in the English language. The original 13th century Latin text had been translated by Jehan de Vignay in French and again by Jacobus de Cessolis. It was from the latter version which Caxton drew his own translation.

Briefly this book reveals how the game of chess was invented as a means of instructing a Babylonian king (3000 B.C.) painlessly away from such unpleasant diversions as the cutting up of his father into small pieces and to guide him to becoming a moral and efficient ruler.



King Euilmerodach

There are chapters devoted respectively to the king, queen, bishops, knights, pawns which pertain not only to these people in real life but their conduct on the chess board as well. Few chess players today imagine how close is the connection between the game and the intended ideal existence from king to serf in an ancient kingdom. Moves made on the chess board with this in mind might be remarkably improved.

Only four perfect copies of this book in the original are extant. One is at Trinity College, England. The woodcuts which follow, and paraphrased text abridgement, are taken from Axon's



Exercises

verbatim reprint (1883) of the first edition in the British Museum.

Here is the oriental philosopher, Exercises, with his invention, the game of chesse, ready to instruct and reform the wicked king.

Before approaching the king, Exercises first tried out his game with many of his friends in the court. They enjoyed chess and well understood Exercises' motives. King Euilmerodach, seeing all this going on, began to feel left out and begged Exercises to teach him too. Thus, as a great favor, Exercises "began to teach him the manner of the chess board and men and the manners of a king of the nobles and of the common people and of their offices and how they should be touched and drawn. **AND HOW HE SHOULD AMEND HIMSELF AND BECOME VIRTUOUS.**"



The king felt left out

Book Two, Chapter Two, takes up the manners of the queen and emphasizes how she should never be left alone as well as the extreme importance of her chastity. This chapter includes the famous story of the seduction of Lucrecia by the Emperor's son and its tragic end.



The Queen should never be left alone

Next come the bishops, or as Caxton calls them, the judges. There are two: one for civil affairs and the other for matters temporal. Both however serve as counsel to the king and their business is to protect him at all times.



Bishops

The knights are described as "Captains in Battle" and as every chess player knows are excellent on the offense.



Knight

The Rooks of Caxton's time we know as "castles." They were given wide authority in the king's absence. Thus derives we

suppose our modern chess move wherein at times the castle is brought over to change places with the king. These rooks were regarded as men of great justice and compassion as well as humility.



Rook or Castle

There then follow eight individual chapters each one of which takes up a pawn. Each pawn apparently represents a class of individuals in the ancient kingdom. Most modern chess sets show the pawns as all alike but we imagine in olden times—and even perhaps in very fine sets today—the pawns appear as Caxton describes them—carved as individuals—the one differentiated from the other.

The cut shown here is taken from the third chapter on pawns and represents "notaries, advocates, writers, drapers, and cloth makers."



Pawn

Other guilds or groups of medieval or ancient society represented by pawns appear in the following order in this book: laborers and workmen; blacksmiths; notaries, etc. (as above); merchants and money changers; physicians, spicers and apothecaries; taverners, hostlers, and victuallers; toll gate keepers; gamblers and messengers.

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Cypher Contest Winners

Winners of the Contest announced Page 110 1957 OFA are:

First Prize—\$25.00—Anna S. Gifford, York Village, Maine; "Absorbine, Jr. Liniment will cure that painful knee."

Second—\$15.00—Mrs. A. L. Monklewicz, Berlin, Mass.—"Grateful to Absorbine each tortured stiff extremity."

Third—\$5.00—Mrs. J. E. Hall, Dennisport, Mass.; "Use Absorbine, Jr. and save the doctor's fee."

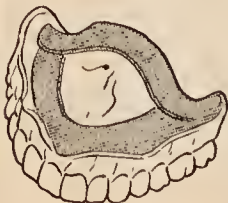
The solution was found on Page 38—a rhyme for the 1st 5 lines—"38, 1, 2, 3, 4, 5."

For this year, the money goes (1st, \$25.00—2nd, \$15.00—3rd, \$5.00) for the best one line rhyme to the solution of Cypher 12—5, 6. Contest closes July 1, 1958. No entries returned. . . all become property of Yankee, Inc. Case of tie place money lumped and divided. Staff of YANKEE final judge. Winners announced 1959 OFA. Address Cypher Contest, Yankee, Inc., Dublin, N. H.

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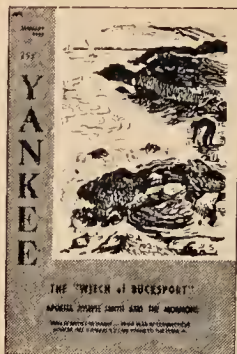
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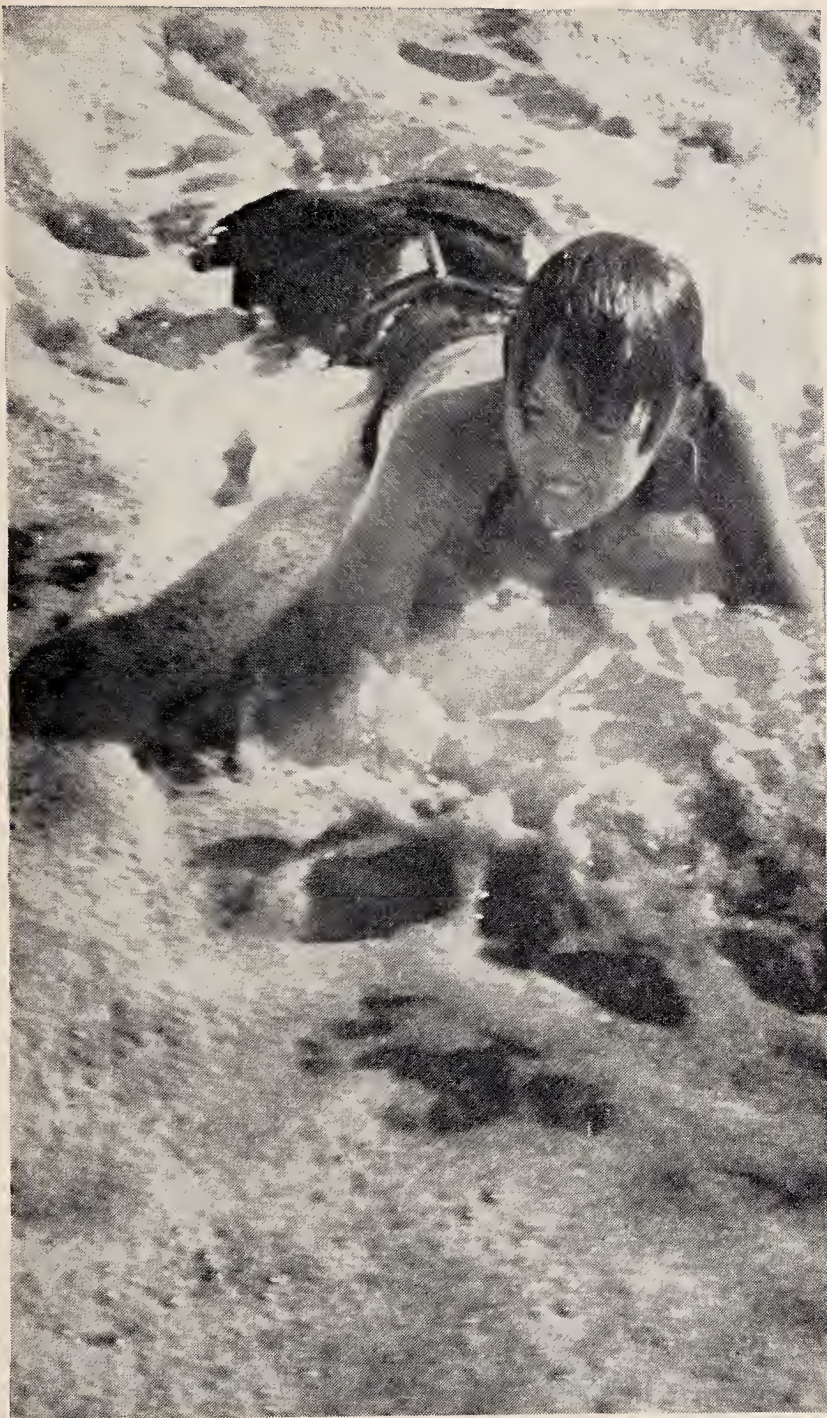
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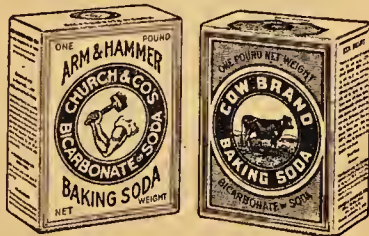
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