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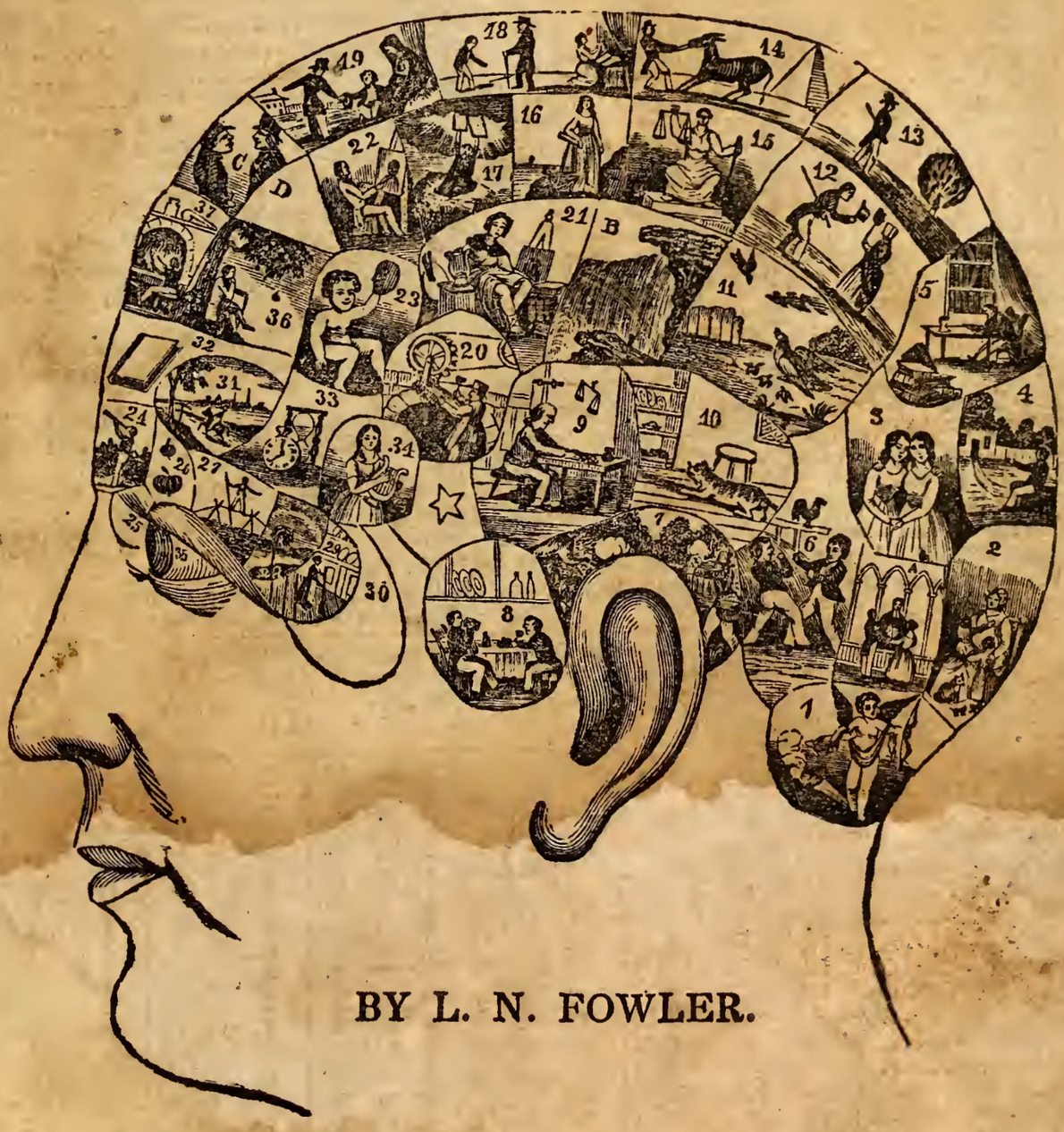
FOR

1848.



BY L. N. FOWLER.

TO BELIEVE IS WELL. TO KNOW IS BETTER.

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CUSTOMARY NOTES.

1. Venus (♀) will be Morning Star until July 22d, then Evening Star until May 12th, 1849.
2. The Moon will run highest, this year, about the 2d degree of (♋) Cancer, and lowest about the 2d degree of (♑) Capricornus.
3. Latitude of Herschel (♅) about 38′ south this year.
4. Longitude of the Moon's Ascending Node (☊) in the middle of this year, 5 signs, 25 deg.
5. Mean obliquity of the Ecliptic in the middle of this year, 23° 27′ 32.6″. True obliquity at the same time, 23° 27′ 22.8″.

EQUINOXES AND SOLSTICES.

	BOSTON.				WASHINGTON.				CHARLESTON.				NEW ORLEANS			
	D.	H.	M.		D.	H.	M.		D.	H.	M.		D.	H.	M.	
Vernal Equinox, March	20	6	35	M.	20	6	11	M.	20	5	59	M.	20	5	19	M.
Summer Solstice, June	21	3	31	M.	21	3	7	M.	21	2	55	M.	21	2	15	M.
Autumnal Eq. Sept.	22	5	35	E.	22	5	11	E.	22	4	59	E.	22	4	19	E.
Winter Solstice, Dec.	21	11	16	M.	21	10	52	M.	21	10	40	M.	21	10	0	M.

CHRONOLOGICAL CYCLES AND MOVEABLE FEASTS.

Dominical Letters,	B and A	Easter Sunday	April 2[illegible]
Golden Numbers, or Lunar Cycle,	6	Rogation Sunday	May 28
Epact, (Moon's age, January 1st.)	25	Ascension Day	June 1
Solar Cycle,	9	Whitsunday (Pentecost),	June 11
Roman Indiction,	6	Trinity Sunday	June 18
Julian Period,	6561	Advent Sunday	December 3

ECLIPSES IN THE YEAR 1848.

This year there will be six Eclipses, four of the Sun and two of the Moon.

I. There will be a small Eclipse on the SUN'S northern limb on the 5th of March, at the time of the New Moon in the morning, visible only in the north-eastern parts of North America, including Greenland and Iceland. At the following cities it will be visible, but very small, viz.—Boston, Albany, Rochester, Buffalo, Detroit, Chicago.

II. There will be an Eclipse of the MOON on the 19th of March, at the time of Full Moon in the evening, ending before rising at New York; visible about eleven minutes at Boston, with 2 digits eclipsed on the upper limb at rising.

III. There will be an Eclipse of the SUN on the 3d of April, at the time of New Moon in the evening; visible only in the South Pacific and Southern Oceans, between Cape Horn and New Zealand, and between Easter Island and the South Pole.

IV. There will be an Eclipse of the SUN on the 28th of August, at the time of the New Moon in the afternoon, visible only in a very small patch of the Southern Ocean. This Eclipse will be little more than a mere contact of the Moon's penumbra with the surface of the Ocean. Its magnitude will at one point exceed one eighth part of a digit.

V. There will be an Eclipse of the MOON on the 12th and 13th of September, in the evening and morning, visible and total.

CITIES.	BEGINNING 12th DAY EV.		BEGINNING OF TOTAL DARK'SS.				MIDDLE OF THE ECLIPSE.				END OF TOT. DARK. 13th DAY MORN.		END OF ECL. 13th DAY MORNING.	
	H.	M.	D.	H.	M.		D.	H.	M.		H.	M.	H.	M.
Boston	11	47	13	0	46	M	13	1	35	M.	2	24	3	23
New York	11	35	13	0	34	M.	13	1	23	M.	2	12	3	11
Philadelphia	11	30	13	0	29	M.	13	1	18	M.	2	7	3	6
Baltimore	11	24	13	0	23	M.	13	1	12	M.	2	1	3	0
Washington	11	23	13	0	22	M.	13	1	11	M.	2	0	2	59
Richmond	11	21	13	0	20	M.	13	1	9	M.	1	58	2	57
Raleigh	11	16	13	0	15	M.	13	1	4	M.	1	53	2	52
Charleston	11	11	13	0	10	M.	13	0	59	M.	1	48	2	47
Detroit	10	59	12	11	58	E.	13	0	47	M.	1	36	2	35
Cincinnati	10	53	12	11	52	E.	13	0	41	M.	1	30	2	29
Indianapolis	10	47	12	11	46	E.	13	0	35	M.	1	24	2	23
Nashville	10	44	12	11	43	E.	13	0	32	M.	1	21	2	20
Mobile	10	38	12	11	37	E.	13	0	26	M.	1	15	2	14
St. Louis	10	33	12	11	32	E.	13	0	21	M.	1	10	2	9
New Orleans	10	31	12	11	30	E.	13	0	19	M.	1	8	2	7
Natchez	10	25	12	11	24	E.	13	0	13	M.	1	2	2	1
Austin	10	0	12	10	59	E.	12	11	48	E.	0	37	1	36

Duration of total darkness, 1h. 38m. Whole duration, 3h. 36m. Depth of immersion in the Earth's shadow, 26.42 digits from the northern side.

VI. There will be an Eclipse of the SUN on the 27th of September, at the time of New Moon in the morning, invisible in America excepting along the north-eastern coast of Greenland. It will be visible in the north-east of Europe, and a great part of Asia.

TRANSIT.—There will be a Transit of the planet MERCURY across the northern limb of the Sun on Thursday, November 9th, in the morning, chiefly visible, commencing before the rising of the Sun.

The Ingress will be visible from Africa and the greater portions of Europe and Asia. The Egress will be visible from the greater portions of North America and Africa, and from the western extremity of Europe. The whole Transit will be visible from South America.

The apparent diameter of Mercury on this occasion will be to that of the Sun as 1 to 202.

SUN ON MERID. D.	H.	M.	S.
1	Ev	3	49
7	0	6	26
13	0	8	53
19	0	10	57
25	0	12	34

MOONS PHASES.			
New Moon.....	ds 6 h.	7 m.23	M.
First Quarter ...	13	7	2 M.
Full Moon.....	20	7	21 M.
Third Quarter ..	28	7	15 M.

D M	D W	Sun's dec. S ° ′	☽ pl.	MISCELLANEOUS.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Bost. H. M.	N.Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W N.Y. H. M.	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois & Missouri.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Phila H. M.	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Ham Rds.	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W C'ton H. M.	N. Orleans. Mobile. *Flor. & Texas.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.
					ds 6 h.	7 m.23		M.	ds 6 h.	7 m 11		M.	ds 6 h.	7 m. 6		M.	ds 6 h.	6 m.59		M.	ds 6 h.	6 m.47		M.	ds 6 h	6 m 7	M
					13	7	2	M.	13	6	50	M.	13	6	45	M.	13	6	38	M.	13	6	26	M.	13	5	46 M
					20	7	21	M.	20	7	9	M.	20	7	4	M.	20	6	57	M.	20	6	45	M.	20	6	5 M
					28	7	15	M.	28	7	3	M.	28	6	58	M.	28	6	51	M.	28	6	39	M.	28	5	59 M
1	Sat	23 3	♏	Circumcision. *Very*	7 32	4 35	2 39	7 20	7 27	4 41	2 37	4 44	7 24	4 43	2 36	10 3	7 22	4 46	2 35	4 21	7 5	5 3	2 27	3 20	6 58	5 10	2 25
2	A	22 57	♏	2d Sun. aft. Christ.	7 32	4 36	3 37	8 28	7 27	4 42	3 34	5 52	7 24	4 44	3 32	11 11	7 22	4 47	3 31	5 29	7 5	5 4	3 21	4 28	6 58	5 10	3 18
3	Mo	22 52	♐	♂ south 7 24.	7 32	4 37	4 34	9 30	7 27	4 43	4 30	6 54	7 25	4 45	4 29	Morn	7 22	4 48	4 27	6 31	7 5	5 4	4 15	5 30	6 58	5 11	4 12
4	Tu	22 46	♐	*mild.*	7 32	4 38	5 29	10 18	7 27	4 43	5 26	7 42	7 25	4 46	5 24	0 13	7 22	4 48	5 22	7 19	7 5	5 5	5 9	6 18	6 59	5 12	5 6
5	W	22 40	♑	□☉♅. ☽ r. low.	7 32	4 39	6 23	11 1	7 27	4 44	6 19	8 25	7 25	4 47	6 17	1 1	7 22	4 49	6 15	8 2	7 5	5 6	6 2	7 1	6 59	5 12	5 59
6	Th	22 33	♑	Epiphany. ♂ ☉♃.	7 32	4 40	Sets	11 42	7 27	4 45	Sets	9 6	7 25	4 48	Sets.	1 44	7 22	4 50	Sets	8 43	7 5	5 7	Sets.	7 42	6 59	5 13	Sets
7	Fri	22 25	♒	*Perhaps rain.*	7 32	4 41	6 21	Morn	7 27	4 46	6 25	9 45	7 25	4 49	6 27	2 25	7 22	4 51	6 29	9 22	7 6	5 7	6 40	8 21	6 59	5 14	6 47
8	Sat	22 18	♒	N. O. battle, 1815.	7 32	4 42	7 27	0 21	7 27	4 47	7 31	10 25	7 24	4 50	7 32	3 4	7 22	4 52	7 34	10 2	7 6	5 8	7 43	9 1	6 59	5 15	7 48
9	A	22 9	♒	1st Sun. aft. Epiph.	7 32	4 43	8 35	1 1	7 27	4 48	8 38	11 3	7 24	4 51	8 39	3 44	7 22	4 53	8 40	10 40	7 6	5 9	8 46	9 39	6 59	5 16	8 51
10	Mo	22 1	♓	Aldeb. sou. 9 8.	7 32	4 44	9 44	1 39	7 26	4 49	9 46	11 45	7 24	4 52	9 46	4 22	7 22	4 54	9 47	11 22	7 6	5 10	9 50	10 21	6 59	5 16	9 53
11	Tu	21 52	♓	Dr. Dwight d. 1817.	7 31	4 45	10 53	2 21	7 26	4 50	10 54	Morn	7 24	4 53	10 54	5 4	7 21	4 55	10 54	Morn	7 5	5 11	10 54	11 5	6 59	5 17	10 56
12	W	21 42	♈	☽ in perigee. *High*	7 31	4 46	Morn	3 5	7 26	4 51	Morn	0 29	7 24	4 54	Morn	5 48	7 21	4 56	Morn	0 6	7 5	5 12	11 58	11 52	6 59	5 18	11 58
13	Th	21 32	♈	Cher. mis. est. 1817	7 31	4 47	0 2	3 52	7 26	4 53	0 2	1 16	7 23	4 55	0 1	6 35	7 21	4 57	0 1	0 53	7 5	5 13	Morn	Morn	6 59	5 19	Morn
14	Fri	21 22	♉	♃ south 11 28.	7 30	4 49	1 11	4 44	7 25	4 54	1 10	2 8	7 23	4 56	1 9	7 27	7 21	4 58	1 8	1 45	7 5	5 14	1 2	0 44	6 59	5 20	1 1
15	Sat	21 11	♉	*cold winds.*	7 30	4 50	2 30	5 46	7 25	4 55	2 17	3 10	7 23	4 57	2 16	8 29	7 20	4 59	2 13	2 47	7 5	5 14	2 6	1 46	6 59	5 21	2 4
16	A	21 0	♊	2d Sun. aft. Epiph.	7 29	4 51	3 26	6 59	7 24	4 56	3 23	4 23	7 22	4 58	3 21	9 42	7 20	5 0	3 20	4 0	7 5	5 15	3 9	2 59	6 59	5 21	3 6
17	Mo	20 49	♊	Franklin b. 1706.	7 29	4 52	4 29	8 15	7 24	4 57	4 25	5 39	7 22	4 59	4 24	10 58	7 20	5 1	4 22	5 16	7 4	5 16	4 9	4 15	6 59	5 22	4 6
18	Tu	20 37	♋	☽ runs high.	7 28	4 53	5 27	9 30	7 23	4 58	5 23	6 54	7 21	5 0	5 21	Ev 13	7 19	5 3	5 19	6 31	7 4	5 17	5 7	5 30	6 58	5 23	5 3
19	W	20 25	♋	*Cold increases.*	7 28	4 55	6 19	10 28	7 23	4 59	6 15	7 52	7 21	5 1	6 14	1 11	7 19	5 4	6 12	7 29	7 4	5 18	5 59	6 28	6 58	5 24	5 56
20	Th	20 12	♌	☉ enters ♒.	7 27	4 56	Rises	11 20	7 22	5 1	Rises	8 41	7 20	5 2	Rises	2 3	7 18	5 5	Rises	8 21	7 4	5 19	Rises	7 20	6 58	5 25	Rises
21	Fri	19 59	♌	♃ south 10 56.	7 26	4 57	6 38	Ev 5	7 22	5 2	6 40	9 29	7 20	5 4	6 41	2 48	7 18	5 6	6 43	9 6	7 3	5 20	6 52	8 5	6 58	5 26	6 57
22	Sat	19 45	♌	Vincent. *Look*	7 26	4 58	7 37	0 46	7 21	5 3	7 40	10 10	7 19	5 5	7 41	3 29	7 17	5 7	7 42	9 47	7 3	5 21	7 48	8 46	6 57	5 27	7 52
23	A	19 31	♍	3d Sun. aft. Fpiph.	7 25	5 0	8 37	1 22	7 20	5 4	8 39	10 46	7 19	5 6	8 39	4 5	7 16	5 8	8 40	10 23	7 3	5 22	8 43	9 22	6 57	5 28	8 47
24	Mo	19 17	♍	*for snow.*	7 24	5 1	9 36	1 58	7 20	5 5	9 36	11 22	7 18	5 7	9 36	4 41	7 16	5 9	9 37	10 59	7 2	5 23	9 38	9 58	6 57	5 28	9 40
25	Tu	19 3	♎	Conv. of St. Paul.	7 23	5 2	10 33	2 34	7 19	5 7	10 33	11 58	7 17	5 8	10 33	5 17	7 15	5 11	10 33	11 35	7 2	5 24	10 31	10 34	6 56	5 29	10 32
26	W	18 48	♎	*Windy and*	7 23	5 3	11 30	3 7	7 18	5 8	11 29	Ev 31	7 16	5 10	11 29	5 50	7 14	5 12	11 28	Ev 8	7 1	5 25	11 23	11 7	6 56	5 30	11 23
27	Th	18 33	♎	☽ in apogee. *cold.*	7 22	5 5	Morn	3 44	7 17	5 9	Morn	1 8	7 16	5 11	Morn	6 27	7 14	5 13	Morn	0 45	7 1	5 26	Morn	11 44	6 55	5 31	Morn
28	Fri	18 17	♏	Sirius south 10 8.	7 21	5 6	0 27	4 22	7 17	5 10	0 25	1 46	7 15	5 12	0 24	7 5	7 13	5 14	0 23	1 23	7 0	5 27	0 16	Ev 22	6 55	5 32	0 15
29	Sat	18 1	♏	Superior ♂ ☉ ☿.	7 20	5 7	1 23	5 6	7 16	5 11	1 21	2 30	7 14	5 13	1 20	7 49	7 12	5 15	1 18	2 7	6 59	5 28	1 9	1 6	6 54	5 33	1 7
30	A	17 45	♐	4th Sun. aft. Epiph.	7 19	5 9	2 20	6 7	7 15	5 13	2 17	3 31	7 13	5 14	2 15	8 50	7 11	5 16	2 14	3 8	6 59	5 29	2 2	2 7	6 54	5 34	2 0
31	Mo	17 28	♐	♃ south 10 12.	7 18	5 10	3 16	7 26	7 14	5 14	3 12	4 50	7 12	5 16	3 11	10 9	7 10	5 18	3 3	4 27	6 58	5 30	2 56	3 26	6 53	5 34	2 53

SUN ON MERID. D.	H.	M.	S.
1	0	13	51
7	0	14	26
13	0	14	32
19	0	14	10
25	0	13	23

MOONS PHASES.				
New Moon.....	ds 4 h.	8 m.	58	E.
First Quarter ...	11	3	12	E.
Full Moon.....	18	11	13	E.
Third Quarter ..	27	3	38	M.

D M	D W	Sun's dec. S ° ′	☽ pl.	MISCELLANEOUS.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Bost. H. M.	N.Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W N.Y. H. M.	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois & Missouri.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Phila H. M.	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Ham Rds.	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W C'ton H. M.	N. Orleans. Mobile. *Flor. & Texas.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.
					ds 4 h.	8 m.	58	E.	ds 4 h.	8 m	46	E.	ds 4 h.	8 m.	41	E.	ds 4 h.	8 m.	34	E.	ds 4 h.	8 m.	22	E.	ds 4 h	7 m	42 E
					11	3	12	E.	11	3	0	E.	11	2	55	E.	11	2	48	E.	11	2	36	E.	11	1	56 E
					18	11	13	E.	18	11	1	E.	18	10	56	E.	18	10	49	E.	18	10	37	E.	18	9	57 E
					27	3	38	M.	27	3	26	M.	27	3	21	M.	27	3	14	M.	27	3	2	M.	27	2	22 M
1	Tu	17 12	♐	☽ runs low. *Cold.*	7 17	5 11	4 10	8 41	7 13	5 15	4 6	6 5	7 11	5 17	4 5	11 24	7 9	5 19	4 3	5 42	6 57	5 31	3 49	4 41	6 53	5 35	3 46
2	W	16 55	♑	Purif. of B.V. Mary.	7 16	5 13	5 2	9 48	7 12	5 16	4 58	7 12	7 10	5 18	4 56	Morn	7 9	5 20	4 54	6 49	6 57	5 32	4 41	5 48	6 52	5 36	4 38
3	Th	16 37	♑	♃ sou. 9 59.	7 15	5 14	5 50	10 36	7 11	5 18	5 47	8 0	7 9	5 19	5 45	0 31	7 8	5 21	5 44	7 37	6 56	5 33	5 31	6 36	6 52	5 37	5 28
4	Fri	16 19	♒	*High. N. W.*	7 14	5 15	Sets	11 22	7 10	5 19	Sets	8 46	7 8	5 20	Sets	1 19	7 7	5 22	Sets.	8 23	6 55	5 33	Sets	7 22	6 51	5 38	Sets
5	Sat	16 1	♒	♂ ☽ ☿. *winds.*	7 13	3 17	6 19	Morn	7 9	5 20	6 22	9 29	7 7	5 22	6 23	2 5	7 6	5 23	6 25	9 6	6 55	5 34	6 32	8 5	6 50	5 39	6 37
6	A	15 43	♓	5th Sun. aft. Epiph.	7 11	5 18	7 30	0 5	7 8	5 21	7 31	10 9	7 6	5 23	7 32	2 48	7 5	5 25	7 33	9 46	6 54	5 35	7 38	8 45	6 50	5 40	7 41
7	Mo	15 25	♓	☽ in perigee. *Calm.*	7 10	5 19	8 41	0 45	7 7	5 23	8 42	10 49	7 5	5 24	8 42	3 28	7 4	5 26	8 43	10 26	6 53	5 36	8 44	9 25	6 49	5 40	8 46
8	Tu	15 6	♈	♃ sou. 9 37. ☽ ☋	7 9	5 21	9 52	1 25	7 6	5 24	9 52	11 29	7 4	5 25	9 52	4 8	7 3	5 27	9 52	11 6	6 52	5 37	9 49	10 5	6 48	5 41	9 50
9	W	14 47	♈	Sirius sou. 9 21.	7 8	5 22	11 2	2 5	7 4	5 25	11 1	Morn	7 3	5 26	11 1	4 48	7 1	5 28	11 0	11 49	6 51	5 38	10 55	10 48	6 47	5 42	10 55
10	Th	14 27	♉	*Look for*	7 7	5 23	Morn	2 48	7 3	5 26	Morn	0 12	7 2	5 28	Morn	5 31	7 0	5 29	Morn	Morn	6 50	5 39	11 59	11 33	6 47	5 43	11 58
11	Fri	14 8	♉	♂ ☽ ♂ : *snow.*	7 5	5 25	0 12	3 33	7 2	5 28	0 9	0 57	7 1	5 29	0 8	6 16	6 59	5 30	0 7	0 34	6 50	5 40	Morn	Morn	6 46	5 44	Morn
12	Sat	13 48	♊	♃ sou. 9 20.	7 4	5 26	1 18	4 19	7 1	5 29	1 15	1 43	7 0	5 30	1 14	7 2	6 58	5 32	1 13	1 20	6 49	5 41	1 2	0 19	6 45	5 45	1 0
13	A	13 28	♊	☐ ☉ ♂. *Look*	7 3	5 27	2 22	5 17	7 0	5 30	2 18	2 41	6 58	5 31	2 17	8 0	6 57	5 33	2 15	2 18	6 48	5 42	2 3	1 17	6 44	5 45	2 0
14	Mo	13 8	♋	St. Valentine. *for*	7 1	5 28	3 20	6 29	6 58	5 31	3 16	3 53	6 57	5 32	3 15	9 12	6 56	5 34	3 13	3 30	6 47	5 43	3 0	2 29	6 43	5 46	2 57
15	Tu	12 47	♋	*more snow.*	7 0	5 30	4 13	7 54	6 57	5 33	4 10	5 18	6 56	5 34	4 8	10 37	6 54	5 35	4 6	4 55	6 46	5 44	3 53	3 54	6 42	5 47	3 50
16	W	12 27	♋	Melancthon b. 1497.	6 58	5 31	5 0	9 18	6 56	5 34	4 57	6 42	6 55	5 35	4 55	Ev 1	6 53	5 36	4 54	6 19	6 45	5 44	4 42	5 18	6 42	5 48	4 39
17	Th	12 6	♌	Sirius sou. 8 50.	6 57	5 32	5 42	10 21	6 53	5 35	5 39	7 45	6 53	5 36	5 38	1 4	6 52	5 37	5 36	7 22	6 44	5 45	5 26	6 21	6 41	5 49	5 24
18	Fri	11 45	♌	M. Luther d. 1546.	6 56	5 34	6 19	11 9	6 53	5 36	6 16	8 33	6 52	5 37	6 16	1 52	6 51	5 38	6 14	8 10	6 43	5 46	6 7	7 9	6 40	5 49	6 5
19	Sat	11 24	♍	☉ enters ♓. *Clear*	6 54	5 35	Rises	11 52	6 52	5 37	Rises	9 16	6 51	5 38	Rises	2 35	6 49	5 40	Rises	8 53	6 42	5 47	Rises	7 52	6 39	5 50	Rises
20	A	11 2	♍	Septuagesima.	6 53	5 36	7 24	Ev 29	6 50	5 39	7 25	9 53	6 49	5 39	7 25	3 12	6 48	5 41	7 26	9 30	6 41	5 48	7 28	8 29	6 38	5 51	7 30
21	Mo	10 41	♎	☽ ☊. *and cold.*	6 51	5 37	8 22	1 3	6 49	5 40	8 22	10 27	6 48	5 41	8 22	3 46	6 47	5 42	8 22	10 4	6 40	5 49	8 21	9 3	6 37	5 52	8 23
22	Tu	10 19	♎	Washington b. 1732.	6 50	5 39	9 19	1 34	6 47	5 41	9 18	10 58	6 47	5 42	9 18	4 17	6 45	5 43	9 18	10 35	6 39	5 50	9 14	9 34	6 36	5 52	9 15
23	W	9 57	♎	☽ in ap. *Perhaps*	6 48	5 40	10 16	2 6	6 46	5 42	10 14	11 30	6 45	5 43	10 14	4 49	6 44	5 44	10 13	11 7	6 37	5 50	10 7	10 6	6 35	5 53	10 6
24	Th	9 35	♏	St. Matthias. *snow.*	6 47	5 41	11 12	2 35	6 44	5 43	11 10	11 59	6 44	5 44	11 9	5 18	6 43	5 45	11 8	11 36	6 36	5 51	10 59	10 35	6 34	5 54	10 58
25	Fri	9 13	♏	☿ 's gr. elongation.	6 45	5 42	Morn	3 9	6 43	5 44	Morn	Ev 33	6 42	5 45	Morn	5 52	6 41	5 46	Morn	Ev 10	6 35	5 52	11 52	11 9	6 33	5 55	11 50
26	Sat	8 51	♐	Procyon sou. 9 7.	6 44	5 44	0 8	3 44	6 42	5 46	0 5	1 8	6 41	5 46	0 4	6 27	6 40	5 47	0 3	0 45	6 34	5 53	Morn	11 44	6 32	5 55	Morn
27	A	8 28	♐	Sexagesima.	6 42	5 45	1 4	4 24	6 40	5 47	1 0	1 48	6 39	5 47	0 59	7 7	6 38	5 48	0 57	1 25	6 33	5 54	0 45	Ev 24	6 31	5 56	0 42
28	Mo	8 6	♐	☽ runs low. *More*	6 40	5 46	1 57	5 13	6 39	5 48	1 54	2 37	6 38	5 49	1 52	7 56	6 37	5 49	1 50	2 14	6 32	5 55	1 37	1 13	6 30	5 57	1 34
29	Tu	7 43	♑	♃ sou. 8 10. *snow.*	6 39	5 47	2 49	6 28	6 37	5 49	2 45	3 52	6 36	5 50	2 44	9 11	6 36	5 50	2 42	3 29	6 31	5 55	2 29	2 28	6 29	5 57	2 25

SUN ON MERID. D.	H.	M.	S.
1	0	12	29
7	0	11	8
13	0	9	32
19	0	7	47
25	0	5	57

MOON'S PHASES.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind. & Illinois.*	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*	N. Orleans. Mobile. *Flor. & Texas.*
New Moon.....	*ds* 5 *h.* 8 *m.*33 M.	*ds* 5 *h.* 8 *m.*21 M.	*ds* 5 *h.* 8 *m.*16 M.	*ds* 5 *h.* 8 *m.* 9 M	*ds* 5 *h.* 7 *m.*57 M.	*ds* 5 *h* 7 *m*17 M
First Quarter ...	11 11 57 E.	11 11 45 E.	11 11 40 E.	11 11 33 E.	11 11 21 E.	11 10 41 E
Full Moon.....	19 4 26 E.	19 4 14 E.	19 4 9 E.	19 4 2 E.	19 3 50 E.	19 3 10 E
Third Quarter ..	27 8 35 E.	27 8 23 E.	27 8 18 E.	27 8 11 E.	27 7 59 E.	27 [illegible] 19 E

D M	D W	Sun's dec S ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W N.Y. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.
1	W	7 20	♉	St. David. *Steady*	6 37	5 49	3 39	7 49	6 35	5 50	3 35	5 13	6 35	5 51	3 33	10 32	6 34	5 52	3 31	4 50	6 29	5 56	3 19	3 49	6 27	5 58	3 16
2	Th	6 57	♒	J. Wesley d. 1791.	6 35	5 50	4 24	9 7	6 34	5 51	4 21	6 31	6 33	5 52	4 20	11 50	6 33	5 53	4 18	6 8	6 28	5 57	4 7	5 7	6 26	5 59	4 4
3	Fri	6 34	♒	☿ stationary. *cold.*	6 34	5 51	5 7	10 12	6 32	5 52	5 5	7 36	6 32	5 53	5 4	Morn	6 31	5 54	5 2	7 13	6 27	5 58	4 53	6 12	6 25	5 59	4 51
4	Sat	6 11	♓	Procyon sou. 8 40.	6 32	5 52	5 47	10 57	6 31	5 54	5 45	8 21	6 30	5 54	5 45	0 55	6 30	5 55	5 44	7 58	6 26	5 59	5 37	6 57	6 24	6 0	5 37
5	A	5 48	♓	Quinquages. ♂ ☉ ♄	6 31	5 53	Sets	11 42	6 29	5 55	Sets	9 6	6 29	5 55	Sets	1 40	6 28	5 56	Sets.	8 43	6 24	5 59	Sets	7 42	6 23	6 1	Sets
6	Mo	5 25	♈	♃ stat. ☽ in per.	6 29	5 55	7 32	Morn	6 28	5 56	7 33	9 46	6 27	5 56	7 33	2 26	6 27	5 57	7 33	9 23	6 23	6 0	7 32	8 22	6 22	6 1	7 34
7	Tu	5 1	♈	*Look for snow.*	6 27	5 56	8 46	0 22	6 26	5 57	8 45	10 20	6 26	5 57	8 45	3 5	6 25	5 58	8 44	10 5	6 22	6 1	8 40	9 4	6 21	6 2	8 41
8	W	4 38	♉	Ash Wednesday.	6 26	5 57	9 58	1 4	6 24	5 58	9 56	11 11	6 24	5 58	9 55	3 47	6 24	5 59	9 55	10 48	6 21	6 2	9 48	9 47	6 20	6 3	9 47
9	Th	4 14	♉	Regulus sou. 10 48.	6 24	5 58	11 8	1 47	6 23	5 59	11 5	11 55	6 23	5 59	11 4	4 30	6 22	6 0	11 3	11 32	6 19	6 2	10 53	10 31	6 18	6 3	10 51
10	Fri	3 51	♊	*Very cold.*	6 22	5 59	Morn	2 31	6 21	6 0	Morn	Morn	6 21	6 0	Morn	5 14	6 21	6 1	Morn	Morn	6 18	6 3	11 56	11 14	6 17	6 4	11 54
11	Sat	3 27	♊	Procyon sou. 8 12.	6 20	6 1	0 14	3 14	6 20	6 1	0 11	0 38	6 19	6 2	0 10	5 57	6 19	6 2	0 8	0 15	6 17	6 4	Morn	Morn	6 16	6 5	Morn
12	A	3 4	♊	1st Sun. in Lent.	6 19	6 2	1 15	4 1	6 18	6 2	1 12	1 25	6 18	6 3	1 10	6 44	6 17	6 3	1 8	1 2	6 16	6 5	0 56	0 1	6 15	6 5	0 52
13	Mo	2 40	♋	♅ discov. 1781.	6 17	6 3	2 10	4 56	6 16	6 3	2 6	2 20	6 16	5 4	2 5	7 39	6 16	6 4	2 3	1 57	6 14	6 5	1 50	0 56	6 14	6 6	1 47
14	Tu	2 16	♋	*High winds.*	6 15	6 4	2 59	6 9	6 13	6 5	2 55	3 33	6 15	6 5	2 54	8 52	6 14	6 5	2 52	3 10	6 13	6 6	2 40	2 9	6 12	6 7	2 37
15	W	1 53	♌	Jackson b. 1767.	6 13	6 5	3 41	7 36	6 12	6 6	3 38	5 0	6 13	6 6	3 37	10 19	6 13	6 6	3 35	4 37	6 12	6 7	3 25	3 36	6 11	6 7	3 23
16	Th	1 29	♌	Regulus sou. 10 21.	6 12	6 6	4 19	9 0	6 11	6 7	4 17	6 24	6 11	6 7	4 16	11 43	6 11	6 7	4 15	6 1	6 10	6 8	4 6	5 0	6 10	6 8	4 4
17	Fri	1 5	♍	St. Patrick. *Look*	6 10	6 8	4 53	10 3	6 10	6 8	4 51	7 27	6 10	6 8	4 51	Ev46	6 10	6 8	4 50	7 4	6 9	6 8	4 44	6 3	6 9	6 8	4 43
18	Sat	0 42	♍	*for a*	6 8	6 9	5 24	10 49	6 8	6 9	5 23	8 13	6 8	6 9	5 23	1 32	6 8	6 9	5 22	7 50	6 8	6 9	5 19	6 49	6 8	6 9	5 19
19	A	S. 18	♍	2d S. in Lent. ☽ ☊.	6 7	6 10	Rises	11 30	6 6	6 10	Rises	8 54	6 7	6 10	Rises	2 13	6 6	6 10	Rises	8 31	6 6	6 10	Rises	7 30	6 6	6 10	Rises
20	Mo	N. 6	♎	☉ enters ♈. *storm.*	6 5	6 11	7 11	Ev 3	6 5	6 11	7 10	9 27	6 5	6 11	7 10	2 46	6 5	6 11	7 10	9 4	6 5	6 10	7 7	8 3	6 5	6 10	7 8
21	Tu	0 29	♎	Spica ♍ sou. 1 22.	6 3	6 12	8 8	0 37	6 3	6 12	8 6	10 1	6 3	6 12	8 6	3 20	6 3	6 12	8 5	9 38	6 4	6 11	8 0	8 37	6 4	6 11	8 0
22	W	0 53	♏	☽ in apogee. *Raw*	6 1	6 13	9 4	1 6	6 1	6 13	9 2	10 30	6 2	6 13	9 1	3 49	6 2	6 13	9 0	10 7	6 2	6 12	8 53	9 6	6 3	6 11	8 52
23	Th	1 17	♏	*cold winds.*	6 0	6 14	10 0	1 37	6 0	6 14	9 57	11 1	6 0	6 14	9 56	4 20	7 0	6 14	9 55	10 38	6 1	6 13	9 45	9 37	6 2	6 12	9 43
24	Fri	1 40	♏	Q. Elizab. d. 1603.	5 58	6 16	10 55	2 8	5 58	6 15	10 52	11 32	5 58	6 15	10 51	4 51	5 59	6 15	10 49	11 9	6 0	6 13	10 37	10 8	6 0	6 13	10 35
25	Sat	2 4	♐	An. B. V. M. ☿ stat.	5 56	6 17	11 49	2 38	5 56	6 16	11 45	Ev 2	5 57	6 16	11 44	5 21	5 57	6 16	11 42	11 39	5 59	6 14	11 29	10 38	5 59	6 13	11 26
26	A	2 27	♐	3d Sun. in Lent.	5 54	6 18	Morn	3 10	5 55	6 17	Morn	0 34	5 55	6 17	Morn	5 53	5 55	6 17	Morn	Ev11	5 57	6 15	Morn	11 10	5 58	6 14	Morn
27	Mo	2 51	♑	☽ runs low.	5 53	6 19	0 41	3 50	5 53	6 18	0 37	1 14	5 54	6 18	0 35	6 33	5 54	6 18	0 33	0 51	5 56	6 15	0 20	11 50	5 57	6 15	0 17
28	Tu	3 14	♑	C. Wesley d. 1788.	5 51	6 20	1 30	4 39	5 51	6 19	1 26	2 3	5 52	6 19	1 24	7 22	5 52	6 19	1 23	1 40	5 55	6 16	1 10	Ev39	5 55	6 15	1 6
29	W	3 37	♑	Regulus sou. 9 30.	5 49	6 21	2 16	5 44	5 50	6 20	2 12	3 8	5 50	6 20	2 11	8 27	5 51	6 19	2 9	2 45	5 53	6 17	1 57	1 44	5 54	6 16	1 54
30	Th	4 1	♒	*Unsettled and*	5 47	6 22	2 59	7 11	5 48	6 21	2 56	4 35	5 49	6 21	2 55	9 54	5 49	6 20	2 53	4 12	5 52	6 17	2 43	3 11	5 53	6 16	2 41
31	Fri	4 24	♒	□ ☉ ♃. *irksome.*	5 46	6 23	3 39	8 31	5 46	6 22	3 37	5 55	5 47	6 22	3 36	11 14	5 48	6 21	3 35	5 32	5 51	6 18	2 27	4 31	5 52	6 17	3 36

SUN ON MERID. D.	H.	M.	S.
1	0	3	48
7	0	2	2
13	0	0	24
19	Morning.		
25	11	57	47

MOON'S PHASES.				
New Moon.....	ds	3 h.	6 m.17	E.
First Quarter ...	10	10	5	M.
Full Moon.....	18	9	47	M.
Third Quarter ..	26	9	36	M.

D M	D W	Sun's dec. S ° ′	☽ pl.	MISCELLANEOUS.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Bost. H. M.	N.Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W N.Y. H. M.	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois & Missouri.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Phila H. M.	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Ham Rds.	Charleston. *North & S.Car., Geo., Tenn., Ala., Miss., & Ark.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W C'ton H. M.	N. Orleans. Mobile. *Flor. & Texas.* Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.
					ds	3 h.	6 m.17	E.	ds	3 h.	6 m. 5	E.	ds	3 h.	6 m. 0	E.	ds	3 h.	5 m.53	E.	ds	3 h.	5 m.41	E.	ds	3 h	5 m 1	E
					10	10	5	M.	10	9	53	M.	10	9	48	M.	10	9	41	M.	10	9	29	M.	10	8	49	M
					18	9	47	M.	18	9	35	M.	18	9	30	M.	18	9	23	M.	18	9	11	M.	18	8	31	M
					26	9	36	M.	26	9	24	M.	26	9	19	M.	26	9	12	M.	26	9	0	M.	26	8	20	M
1	Sat	4 47	♓	Regulus sou. 9 18.	5 44	6 24	4 17	9 38	5 45	6 23	4 16	7 2	5 45	6 23	4 15	Morn	5 46	6 22	4 15	6 39	5 49	6 19	4 9	5 38	5 51	6 18	4 9
2	A	5 10	♓	4th Sun. in Lent.	5 42	6 26	4 54	10 28	5 43	6 23	4 54	7 52	5 44	6 24	4 54	0 21	5 44	6 23	4 54	7 29	5 48	6 20	4 52	6 28	5 49	6 18	4 53
3	Mo	5 33	♈	R. Raikes d. 1811.	5 40	6 27	Sets	11 13	5 42	6 26	Sets	8 37	5 42	6 25	Sets	1 11	5 43	6 24	Sets	8 14	5 47	6 20	Sets	7 13	5 48	6 19	Sets
4	Tu	5 56	♈	☽ in perigee. *Cold*	5 39	6 28	7 34	11 55	5 40	6 27	7 33	9 19	5 41	6 26	7 32	1 56	5 41	6 25	7 32	8 56	5 45	6 21	7 26	7 55	5 47	6 19	7 26
5	W	6 19	♉	*winds.*	5 37	6 29	8 48	Morn	5 38	6 28	8 46	10 5	5 39	6 27	8 45	2 38	5 40	6 26	8 44	9 42	5 44	6 22	8 35	8 41	5 46	6 20	8 34
6	Th	6 41	♉	Dartmoor mas.1815	5 35	6 30	9 59	0 41	3 37	6 29	9 56	10 48	5 37	6 28	9 55	3 24	5 38	6 27	9 53	10 25	5 43	6 22	9 42	9 24	5 45	6 20	9 40
7	Fri	7 4	♊	♂ ☉ ♅. *continue.*	5 34	6 31	11 5	1 24	5 35	6 30	11 1	11 35	5 36	6 29	11 0	4 7	5 37	6 28	10 58	11 12	5 42	6 23	10 46	10 11	5 44	6 21	10 43
8	Sat	7 26	♊	☽ runs high.	5 32	6 32	Morn	2 11	5 34	6 31	12 0	Morn	5 34	6 30	11 59	4 54	5 35	6 29	11 57	11 55	5 40	6 24	11 44	10 54	5 42	6 22	11 41
9	A	7 49	♋	5th Sun. in Lent.	5 30	6 33	0 4	2 54	5 32	6 32	Morn	0 18	5 33	6 31	Morn	5 37	5 34	6 30	Morn	Morn	5 39	6 24	Morn	11 44	5 41	6 22	Morn
10	Mo	8 11	♋	[☿'s gr. elong.	5 29	6 35	0 56	3 44	5 30	6 33	0 52	1 8	5 31	6 32	0 51	6 27	5 32	6 31	0 49	0 45	5 38	6 25	0 37	Morn	5 40	6 23	0 34
11	Tu	8 33	♌	Pittsburgh bu.1845.	5 27	6 36	1 41	4 41	5 29	6 34	1 38	2 5	5 30	6 33	1 37	7 24	5 31	6 32	1 35	1 42	5 37	6 26	1 24	0 41	5 39	6 23	1 22
12	W	8 55	♌	*Look for dull,*	5 25	6 37	2 21	5 49	5 27	6 35	2 18	3 14	5 28	6 34	2 17	8 32	5 29	6 33	2 16	2 50	5 35	6 27	2 6	1 49	5 38	6 24	2 5
13	Th	9 16	♍	Reg. south, 8 31.	5 24	6 38	2 56	7 14	5 26	6 36	2 54	4 38	5 27	0 35	2 53	9 57	5 28	6 34	2 52	4 15	5 34	6 27	2 45	3 14	5 37	6 25	2 44
14	Fri	9 38	♍	*wet weather.*	5 22	6 39	3 27	8 31	5 24	6 37	3 26	5 55	5 25	6 36	3 26	11 11	5 26	6 35	3 25	5 32	5 33	6 28	3 20	4 31	5 36	6 25	3 20
15	Sat	9 59	♍	Spica ♍ sou. 11 39.	5 20	6 40	3 57	9 36	5 23	6 38	3 56	7 0	5 24	6 37	3 56	Ev 19	5 25	6 36	3 56	6 37	5 32	6 29	3 54	5 36	5 34	6 26	3 55
16	A	10 21	♎	Palm Sunday. ☽ ☊.	5 19	6 41	4 25	10 24	5 21	6 39	4 26	7 48	5 22	6 38	4 26	1 7	5 23	6 37	4 26	7 25	5 30	6 29	4 27	6 24	5 33	6 26	4 29
17	Mo	10 42	♎	Franklin d. 1790.	5 17	6 42	4 54	11 2	5 20	6 40	4 55	8 26	5 21	6 39	4 56	1 45	5 22	6 38	4 56	8 3	5 29	6 30	4 59	7 2	5 32	6 27	5 2
18	Tu	11 2	♎	☽ in apogee.	5 16	6 43	Rises	11 36	5 18	6 41	Rises	9 0	5 19	6 40	Rises	2 19	5 20	6 39	Rises	8 37	5 28	6 31	Rises	7 36	5 31	6 28	Rises
19	W	11 23	♏	☉ enters ♉. *Fair*	5 14	6 45	7 54	Ev 8	5 17	6 42	7 52	9 32	5 18	6 41	7 51	2 51	5 19	6 40	7 49	9 9	5 27	6 31	7 40	8 8	5 30	6 28	7 38
20	Th	11 44	♏	*and mild.*	5 13	6 46	8 50	0 39	5 15	6 43	8 47	10 3	5 16	6 42	8 45	3 22	5 18	6 40	8 44	9 40	5 26	6 32	8 33	8 39	5 29	6 29	8 30
21	Fri	12 4	♐	Good Friday.	5 11	6 47	9 44	1 8	5 14	6 44	9 41	10 32	5 15	6 43	9 39	3 51	5 16	6 41	9 37	10 9	5 25	6 33	9 25	9 8	5 28	6 30	9 22
22	Sat	12 24	♐	Spica ♍ 11 12.	5 10	6 48	10 37	1 40	5 12	6 45	10 33	11 4	5 14	6 44	10 31	4 23	5 15	6 42	10 29	10 41	5 24	6 34	10 16	9 40	5 27	6 30	10 13
23	A	12 44	♐	Easter Sunday.	5 8	6 49	11 26	2 12	5 11	6 46	11 22	11 36	5 12	6 45	11 21	4 55	5 14	6 43	11 19	11 13	5 22	6 34	11 5	10 12	5 26	6 31	11 2
24	Mo	13 4	♑	*April*	5 7	6 50	Morn	2 47	5 9	6 47	Morn	Ev 11	5 11	6 46	Morn	5 30	5 12	6 44	Morn	11 48	5 21	6 35	11 53	10 47	5 25	6 31	11 50
25	Tu	13 23	♑	St. Mark. *showers.*	5 5	6 51	0 12	3 28	5 8	6 48	0 9	0 52	5 9	6 47	0 7	6 11	5 11	6 45	0 5	Ev 29	5 20	6 36	Morn	11 28	5 24	6 32	Morn
26	W	13 43	♒	Hume born, 1711.	5 4	6 52	0 55	4 17	5 7	6 49	0 52	1 41	5 8	6 48	0 51	7 0	5 10	6 46	0 49	1 18	5 19	6 36	0 38	Ev 17	5 23	6 33	0 35
27	Th	14 2	♒	Arcturus sou. 11 44	5 2	6 53	1 35	5 18	5 5	6 50	1 32	2 42	5 7	6 49	1 31	8 1	5 8	6 47	1 30	2 19	5 18	6 37	1 21	1 18	5 22	6 33	1 19
28	Fri	14 21	♓	Monroe b. 1758.	5 1	6 55	2 12	6 38	5 4	6 51	2 11	4 2	5 5	6 50	2 10	9 21	5 7	6 48	2 9	3 39	5 17	6 38	2 3	2 38	5 21	6 34	2 2
29	Sat	14 39	♓	*Fair and warm.*	4 59	6 56	2 48	7 53	5 3	6 52	2 48	5 17	5 4	6 51	2 47	10 36	5 6	6 49	2 47	4 54	5 16	6 39	2 43	3 53	5 20	6 34	2 44
30	A	14 58	♈	Low Sunday. ☽ ☋.	4 58	6 57	3 24	9 3	5 1	6 53	3 24	6 27	5 3	6 52	3 24	11 46	5 5	6 50	3 25	6 4	5 15	6 39	3 24	5 3	5 19	6 35	3 26

SUN ON MERID. D.	H.	M.	S.
1	11	56	53
7	11	56	20
13	11	56	7
19	11	56	13
25	11	56	40

MOON'S PHASES.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*	N. Orleans. Mobile, *Flor. & Texas*
New Moon.....	*ds* 3 *h.* 2 *m.*31 M.	*ds* 3 *h.* 2 *m.*19 M.	*ds* 3 *h.* 2 *m.*14 M.	*ds* 3 *h.* 2 *m.* 7 M.	*ds* 3 *h.* 1 *m.*55 M	*ds* 3 *h* 1 *m*15 M
First Quarter ...	9 10 13 E.	9 10 1 E.	9 9 56 E.	9 9 49 E.	9 9 37 E.	9 8 57 E
Full Moon.....	18 1 58 M.	18 1 46 M.	18 1 41 M.	18 1 34 M.	18 1 22 M	18 0 42 M
Third Quarter ..	25 7 3 E.	25 6 51 E.	25 6 46 E.	25 6 39 E.	25 6 27 E.	25 5 47 E

D M	D W	Sun's dec S ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M	Moon Rises H. M.	H.W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H. W N.Y. H. M.	Sun Ris. H.E.	Sun Sets H.M.	Moon Rises H. M.	H.W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.	H.W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M	H. W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Rises H. M.
1	Mo	15 16	♈	Sts. Philip & James	4 57	6 58	4 1	9 57	5 0	6 54	4 2	7 21	5 2	6 53	4 3	Morn	5 3	6 51	4 3	6 58	5 14	6 40	4 6	5 57	5 18	6 36	4 9
2	Tu	15 34	♉	☽ in perigee. *Mild.*	4 55	6 59	4 39	10 47	4 59	6 55	4 42	8 11	5 0	6 54	4 43	0 40	5 2	6 52	4 44	7 48	5 13	6 41	4 50	6 47	5 18	6 36	4 55
3	W	15 51	♉	Ceres stationary.	4 54	7 0	Sets	11 31	4 58	6 56	Sets	8 55	4 59	6 55	Sets	1 30	5 1	6 53	Sets	8 32	5 12	6 42	Sets	7 31	5 17	6 37	Sets
4	Th	16 9	♊	Arcturus sou. 11 16	4 53	7 1	8 45	Morn	4 56	6 57	8 42	9 43	4 58	6 56	8 41	2 14	5 0	6 54	8 39	9 20	5 11	6 42	8 27	8 19	5 16	6 38	8 24
5	Fri	16 26	♊	Napoleon d. 1821.	4 51	7 2	9 50	0 19	4 55	6 58	9 46	10 31	4 57	6 57	9 45	3 2	4 59	6 55	9 43	10 8	5 10	6 43	9 30	9 7	5 15	6 38	9 27
6	Sat	16 42	♋	☽ runs high. *Cold*	4 50	7 3	10 48	1 7	4 54	6 59	10 44	11 16	4 56	6 58	10 42	3 50	4 58	6 56	10 40	10 53	5 10	6 44	10 28	9 52	5 14	6 39	10 25
7	A	16 59	♋	2d Sun. after Easter	4 49	7 4	11 37	1 52	4 53	7 0	11 34	Morn	4 55	6 59	11 32	4 35	4 57	6 57	11 31	11 38	5 9	6 44	11 19	10 37	5 13	6 40	11 16
8	Mo	17 15	♌	*unpleasant*	4 48	7 5	Morn	2 37	4 52	7 1	Morn	0 1	4 53	7 0	Morn	5 20	4 56	6 58	Morn	Morn	5 8	6 45	Morn	11 25	5 13	6 40	Morn
9	Tu	17 31	♌	*winds.*	4 47	7 6	0 20	3 25	4 51	7 2	0 17	0 49	4 52	7 1	0 16	6 8	4 54	6 58	0 14	0 26	5 7	6 46	0 5	Morn	5 12	6 41	0 2
10	W	17 47	♌	A. T. Soc. anniv.	4 45	7 7	0 57	4 21	4 49	7 3	0 55	1 45	4 51	7 2	0 54	7 4	4 53	6 59	0 53	1 22	5 6	6 47	0 45	0 21	5 11	6 41	0 44
11	Th	18 2	♍	Arcturus sou. 10 49	4 44	7 8	1 30	5 22	4 48	7 4	1 29	2 46	4 50	7 2	1 28	8 5	4 52	7 0	1 28	2 23	5 5	6 47	1 22	1 22	5 11	6 42	1 22
12	Fri	18 17	♍	Antares sou. 1 0.	4 43	7 10	2 0	6 38	4 47	7 5	2 0	4 1	4 49	7 3	2 0	9 21	4 51	7 1	1 59	3 39	5 5	6 48	1 56	2 38	5 10	6 43	1 57
13	Sat	18 32	♎	☽ Ω. *Backward*	4 42	7 11	2 29	7 46	4 46	7 6	2 29	5 10	4 48	7 4	2 30	10 29	4 51	7 2	2 30	4 47	5 4	6 49	2 29	3 46	5 9	6 43	2 31
14	A	18 47	♎	3d Sun. aft. Easter.	4 41	7 12	2 57	8 52	4 45	7 7	2 58	6 16	4 47	7 5	2 59	11 35	4 50	7 3	3 0	5 53	5 3	6 49	3 2	4 52	5 9	6 44	3 4
15	Mo	19 1	♎	☽ in apogee.	4 40	7 13	3 26	9 45	4 44	7 8	3 28	7 9	4 46	7 6	3 29	Ev 28	4 49	7 4	3 30	6 46	5 2	6 50	3 35	5 45	5 8	6 45	3 38
16	Tu	19 14	♏	*and cold*	4 39	7 14	3 56	10 26	4 44	7 9	3 59	7 50	4 46	7 7	4 0	1 9	4 48	7 5	4 1	7 27	5 2	6 51	4 9	6 26	5 7	6 45	4 13
17	W	19 28	♏	Rev. in Venice, 1797	4 38	7 15	Rises	11 6	4 43	7 10	Rises	8 30	4 45	7 8	Rises	1 49	4 47	7 6	Rises	8 7	5 1	6 51	Rises	7 6	5 7	6 46	Rises
18	Th	19 41	♐	*for the season.*	4 37	7 16	7 40	11 40	4 42	7 11	7 37	9 4	4 44	7 9	7 35	2 23	4 46	7 7	7 33	8 41	5 1	6 52	7 21	7 40	5 6	6 46	7 18
19	Fri	19 54	♐	Superior ♂ ☉ ☿.	4 36	7 17	8 33	Ev 13	4 41	7 12	8 30	9 37	4 43	7 10	8 28	2 56	4 45	7 7	8 26	9 14	5 0	6 53	8 13	8 13	5 6	6 47	8 10
20	Sat	20 6	♐	☉ enters ♊.	4 35	7 18	9 24	0 45	4 40	7 13	9 20	10 9	4 42	7 11	9 19	3 28	4 45	7 8	9 17	9 46	4 59	6 54	9 3	8 45	5 5	6 48	9 0
21	A	20 19	♑	4th Sun. aft. Easter.	4 35	7 18	10 12	1 19	4 39	7 14	10 8	10 43	4 42	7 12	10 6	4 2	4 44	7 9	10 4	10 20	4 59	6 54	9 51	9 19	5 5	6 48	9 48
22	Mo	20 30	♑	*More pleasant.*	4 34	7 19	10 56	1 53	4 39	7 15	10 52	11 17	4 41	7 12	10 51	4 36	4 43	7 10	10 49	10 54	4 58	6 55	10 37	9 53	5 4	6 49	10 34
23	Tu	20 42	♒	Irish reb. 1798.	4 33	7 20	11 36	2 29	4 38	7 16	11 33	11 53	4 40	7 13	11 32	5 12	4 43	7 11	11 30	11 30	4 58	6 56	11 20	10 29	5 4	6 49	11 18
24	W	20 53	♒	Q. Victoria b. 1819.	4 32	7 21	Morn	3 12	4 37	7 16	Morn	Ev 36	4 39	7 14	Morn	5 55	4 42	7 12	Morn	Ev 13	4 57	6 56	Morn	11 12	5 3	6 50	12 0
25	Th	21 4	♓	Arcturus sou. 9 54.	4 32	7 22	0 13	4 2	4 36	7 17	0 11	1 26	4 39	7 15	0 10	6 45	4 41	7 12	0 9	1 3	4 57	6 57	0 1	Ev 2	5 3	6 51	Morn
26	Fri	21 14	♓	J. Calvin d. 1564.	4 31	7 23	0 48	4 58	4 36	7 18	0 47	2 22	4 38	7 16	0 47	7 41	4 41	7 13	0 46	1 59	4 56	6 57	0 41	0 58	5 3	6 51	0 41
27	Sat	21 24	♓	*Perhaps rain.*	4 30	7 24	1 23	6 6	4 35	7 19	1 20	3 30	4 38	7 17	1 22	8 49	4 40	7 14	1 22	3 7	4 56	6 58	1 20	2 6	5 2	6 52	1 21
28	A	21 34	♈	Rogation Sunday.	4 30	7 25	1 57	7 19	4 35	7 20	1 58	4 43	4 37	7 17	1 58	10 2	4 40	7 15	1 59	4 20	4 56	6 59	2 0	3 19	5 2	6 52	2 2
29	Mo	21 43	♈	Putnam d. 1790.	4 29	7 26	2 28	8 24	4 34	7 20	2 35	5 48	4 37	7 18	2 36	11 7	4 39	7 15	2 37	5 25	4 55	6 59	2 41	4 24	5 2	6 53	2 45
30	Tu	21 52	♉	*Fair and warm.*	4 29	7 26	3 12	9 26	4 34	7 21	3 15	6 50	4 36	7 19	3 17	Morn	4 39	7 16	3 18	6 27	4 55	7 0	3 26	5 26	5 1	6 53	3 31
31	W	22 0	♉	☽ in perigee	4 28	7 27	3 56	10 21	4 33	7 22	4 0	7 45	4 36	7 20	4 2	0 9	4 38	7 17	4 4	7 22	4 55	7 0	4 14	6 21	5 1	6 54	4 20

SUN ON MERID. D.	H.	M.	S.
1	11	57	33
7	11	58	35
13	11	59	46
19	Ev	1	2
25	0	2	20

MOON'S PHASES.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*	N. Orleans. Mobile, *Flor. & Texas.*
New Moon.....	*ds* 1 *h.* 9 *m.*56 M.	*ds* 1 *h.* 9 *m.*44 M.	*ds* 1 *h.* 9 *m.*39 M.	*ds* 1 *h.* 9 *m.*32 M.	*ds* 1 *h.* 9 *m.*20 M.	*ds* 1 *h* 8 *m*40 M
First Quarter ...	8 0 32 E.	8 0 20 E.	8 0 15 E.	8 0 8 E.	8 11 56 M.	8 11 16 M
Full Moon.....	16 4 14 E.	16 4 2 E.	16 3 57 E.	16 3 50 E.	16 3 38 E.	16 2 58 E
New Moon.....	30 5 35 E.	30 5 23 E.	30 5 18 E.	30 5 11 E.	30 4 59 E.	39 4 19 E

D M	D W	Sun's dec N ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W N.Y. H. M.	Sun Ris. H.E.	Sun Sets H.M.	Moon Sets H. M.	H. W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.
1	Th	22 9	♊	Ascension day	4 27	7 28	Sets	11 11	4 33	7 23	Sets	8 35	4 35	7 20	Sets	1 4	4 38	7 18	Sets	8 12	4 54	7 1	Sets	7 11	5 1	6 54	Sets
2	Fri	22 16	♊	☽ runs high. *Look*	4 27	7 29	8 32	Morn	4 32	7 23	8 28	9 28	4 35	7 21	8 27	1 54	4 37	7 18	8 25	9 5	4 54	7 2	8 12	8 4	5 1	6 55	8 9
3	Sat	22 24	♋	Arcturus sou. 9 18.	4 27	7 29	9 27	0 4	4 32	7 24	9 24	10 16	4 34	7 22	9 22	2 47	4 37	7 19	9 20	9 53	4 54	7 2	9 8	8 52	5 0	6 55	9 5
4	☩	22 31	♋	Sun. aft. Ascension	4 26	7 30	10 15	0 52	4 32	7 25	10 12	11 0	4 34	7 22	10 11	3 35	4 37	7 19	10 9	10 37	4 54	7 3	9 58	9 36	5 0	6 56	9 55
5	Mo	22 37	♌	*for showers.*	4 26	7 31	10 55	1 36	4 31	7 25	10 53	11 46	4 34	7 23	10 52	4 19	4 36	7 20	10 51	11 23	4 53	7 3	10 42	10 22	5 0	6 56	10 40
6	Tu	22 43	♌	Vega sou. 1 33.	4 26	7 31	11 31	2 22	4 31	7 26	11 29	Morn	4 33	7 23	11 28	5 5	4 36	7 21	11 28	Morn	4 53	7 4	11 21	11 9	5 0	6 57	11 20
7	W	22 49	♍	Antares sou. 11 13	4 25	7 32	Morn	3 9	4 31	7 27	Morn	0 33	4 33	7 24	Morn	5 52	4 36	7 21	Morn	0 10	4 53	7 4	11 57	11 58	5 0	6 57	11 57
8	Th	22 55	♍	Jackson d. 1845.	4 25	7 33	0 3	3 58	4 31	7 27	0 2	1 22	4 33	7 25	0 2	6 41	4 36	7 22	0 1	0 59	4 53	7 5	Morn	Morn	5 0	6 58	Morn
9	Fri	22 59	♍	☽ Ω. *More rain.*	4 25	7 33	0 32	4 50	4 30	7 28	0 32	2 14	4 33	7 25	0 32	7 33	4 36	7 22	0 32	1 51	4 53	7 5	0 31	0 50	5 0	6 58	0 32
10	Sat	23 4	♎	Arcturus sou. 8 51.	4 25	7 34	1 1	5 48	4 30	7 28	1 2	3 12	4 33	7 26	1 2	8 31	4 36	7 23	1 2	2 49	4 53	7 6	1 4	1 48	5 0	6 59	1 6
11	☩	23 8	♎	Whit.Sun. St.Barn.	4 25	7 34	1 29	6 55	4 30	7 29	1 31	4 19	4 33	7 26	1 32	9 38	4 35	7 23	1 32	3 56	4 53	7 6	1 36	2 55	5 0	6 59	1 39
12	Mo	23 12	♏	N. Y. incorp. 1665.	4 24	7 35	1 59	7 57	4 30	7 29	2 1	5 21	4 32	7 27	2 2	10 40	4 35	7 24	2 3	4 58	4 53	7 6	2 10	3 57	5 0	6 59	2 14
13	Tu	23 15	♏	*Quite*	4 24	7 35	2 30	8 56	4 30	7 30	2 33	6 20	4 32	7 27	2 34	11 39	4 35	7 24	2 36	5 57	4 53	7 7	2 45	4 56	5 0	7 0	2 59
14	W	23 18	♏	Antares sou. 10 46	4 24	7 36	3 4	9 51	4 30	7 30	3 8	7 15	4 32	7 28	3 10	Ev34	4 35	7 25	3 12	6 52	4 53	6 7	3 23	5 51	5 0	7 0	3 29
15	Th	23 21	♐	□☉ ♄. *hot.*	4 24	7 36	3 42	10 34	4 30	7 30	3 47	7 58	4 32	7 28	3 49	1 17	4 35	7 25	3 51	7 35	4 53	7 7	4 4	6 34	5 0	7 0	4 10
16	Fri	23 23	♐	Vega sou. 2 53.	4 24	7 36	Rises	11 14	4 30	7 31	Rises	8 38	4 32	7 28	Rises	1 57	4 35	7 25	Rises	8 15	4 53	7 8	Rises	7 14	5 0	7 1	Rises
17	Sat	23 25	♑	Bunk. h. bat. 1775.	4 24	7 37	8 10	11 49	4 30	7 31	8 6	9 13	4 33	7 29	8 4	2 32	4 35	7 26	8 2	8 50	4 53	7 8	7 49	7 49	5 0	7 1	7 46
18	☩	23 26	♑	Trinity Sunday.	4 25	7 37	8 56	Ev27	4 30	7 31	8 52	9 51	4 33	7 29	8 51	3 10	4 36	7 26	8 49	9 28	4 53	7 8	8 36	8 27	5 0	7 1	8 33
19	Mo	23 27	♒	*Heat*	4 25	7 37	9 37	1 3	4 30	7 32	9 34	10 27	4 33	7 29	9 33	3 46	4 36	7 26	9 31	10 4	4 53	7 9	9 21	9 3	5 0	7 2	9 18
20	Tu	23 27	♒	♂ ♃ ♅. [elong.	4 25	7 38	10 16	1 37	4 31	7 32	10 14	11 1	4 33	7 29	10 12	4 20	4 36	7 27	10 11	10 38	4 54	7 9	10 3	9 37	5 1	7 2	10 1
21	W	23 27	♒	☉ ent. ♋. ♅'s gr.	4 25	7 38	10 52	2 16	4 31	7 32	10 50	11 40	4 33	7 30	10 49	4 59	4 36	7 27	10 49	11 17	4 54	7 9	10 43	10 16	5 1	7 2	10 42
22	Th	23 27	♓	Antares sou. 10 14.	4 25	7 38	11 25	2 59	4 31	7 32	11 25	Ev23	4 33	7 30	11 25	5 42	4 36	7 27	11 24	12 0	4 54	7 9	11 21	10 59	5 1	7 2	11 22
23	Fri	23 26	♓	☽ ♉. *increases.*	4 26	7 38	11 59	3 46	4 31	7 32	11 59	1 10	4 34	7 30	11 59	6 29	4 37	7 27	12 0	Ev47	4 54	7 9	12 0	11 46	5 1	7 2	Morn
24	Sat	23 25	♈	St. John Baptist.	4 26	7 38	Morn	4 39	4 32	7 33	Morn	2 3	4 34	7 30	Morn	7 22	4 37	7 27	Morn	1 40	4 55	7 10	Morn	Ev39	5 2	7 2	0 1
25	☩	23 23	♈	1st Sun. aft. Trin.	4 26	7 38	0 33	5 40	4 32	7 33	0 35	3 4	4 34	7 30	0 35	8 23	4 37	7 27	0 36	2 41	4 55	7 10	0 39	1 40	5 2	7 3	0 42
26	Mo	23 21	♉	S. L. Southard d.	4 26	7 38	1 10	6 50	4 32	7 33	1 12	4 14	4 35	7 30	1 13	9 33	4 38	7 27	1 14	3 51	4 55	7 10	1 21	2 50	5 2	7 3	1 25
27	Tu	23 19	♉	*Hot* [1842.	4 27	7 38	1 49	7 55	4 33	7 33	1 53	5 19	4 35	7 30	1 54	10 38	4 38	7 27	1 56	4 56	4 56	7 10	2 5	3 55	5 2	7 3	2 11
28	W	23 16	♊	☽ in perigee.	4 27	7 38	2 35	9 3	4 33	7 33	2 39	6 27	4 35	7 30	2 41	11 46	4 38	7 27	2 43	6 4	4 56	7 10	2 54	5 3	5 3	7 3	3 1
29	Th	23 13	♊	St. Peter. *and*	4 28	7 38	3 25	10 5	4 33	7 33	3 30	7 29	4 36	7 30	3 32	Morn	4 39	7 27	3 35	7 6	4 56	7 10	3 48	6 5	5 3	7 3	3 55
30	Fri	23 9	♋	☽ runs high. *sultry.*	4 28	7 38	Sets	11 0	4 34	7 33	Sets	8 24	4 36	7 30	Sets	0 48	4 39	7 27	Sets	8 1	4 57	7 10	Sets	7 0	5 4	7 3	Sets

SUN ON MERID. D.	H.	M.	S.
1	0	3	33
7	0	4	37
13	0	5	26
19	0	5	58
25	0	6	11

MOON'S PHASES.			
First Quarter ...	ds 8 h.	4 m.46	M.
Full Moon.....	16	4	37 M.
Third Quarter ..	23	6	44 M.
New Moon.....	30	2	41 M.

D M	D W	Sun's dec °	N ′	☽ pl.	MISCELLANEOUS.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Bost. H. M.	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W N.Y. H. M.	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Phila H. M.	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Ham Rds.	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W C'ton H. M.	N. Orleans. Mobile, *Flor. & Texas.* Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.
						ds 8 h.	4 m.34	M.		ds 8 h.	4 m.29	M.		ds 8 h.	4 m.22	M.		ds 8 h.	4 m.10	M.		ds 8 h.	3 m30	M				
						16	4	25 M.		16	4	20 M.		16	4	13 M.		16	4	1 M.		16	3	21 M				
						23	6	32 M.		23	6	27 M.		23	6	20 M.		23	6	8 M.		23	5	28 M				
						30	2	29 M.		30	2	24 M.		30	2	17 M.		30	2	5 M.		30	1	25 M				
1	Sat	23	5	♋	Sun in apogee.	4 29	7 38	8 5	11 52	4 34	7 33	8 2	9 16	4 37	7 30	8 0	1 43	4 40	7 27	7 58	8 53	4 57	7 10	7 47	7 52	5 4	7 3	7 44
2	A	23	1	♌	Visit. B. V. Mary.	4 29	7 38	8 50	Morn	4 35	7 32	8 47	10 4	4 37	7 30	8 46	2 35	4 40	7 27	8 44	9 41	4 57	7 10	8 34	8 40	5 4	7 3	8 32
3	Mo	22	56	♌	*Very hot.*	4 30	7 38	9 29	0 40	4 35	7 32	9 26	10 48	4 38	7 30	9 26	3 23	4 41	7 27	9 24	10 25	4 58	7 10	9 17	9 24	5 5	7 3	9 15
4	Tu	22	51	♍	Independence.	4 30	7 38	10 3	1 24	4 36	7 32	10 1	11 30	4 38	7 30	10 1	4 7	4 41	7 27	10 0	11 7	4 58	7 10	9 55	10 6	5 5	7 3	9 55
5	W	22	45	♍	☿ stationary.	4 31	7 37	10 34	2 6	4 37	7 32	10 33	Morn	4 39	7 29	10 33	4 49	4 42	7 27	10 33	11 49	4 59	7 9	10 30	10 48	5 6	7 3	10 31
6	Th	22	39	♍	☽ Ω. *Probably*	4 32	7 37	11 3	2 48	4 37	7 31	11 4	0 12	4 39	7 29	11 4	5 31	4 42	7 26	11 4	Morn	4 59	7 9	11 4	11 31	5 6	7 3	11 6
7	Fri	22	33	♎	♄ stationary.	4 32	7 37	11 32	3 31	4 38	7 31	11 33	0 55	4 40	7 29	11 34	6 14	4 43	7 26	11 34	0 32	5 0	7 9	11 37	Morn	5 6	7 2	11 39
8	Sat	22	26	♎	*showers.*	4 33	7 36	Morn	4 14	4 38	7 31	Morn	1 38	4 41	7 28	Morn	6 57	4 43	7 26	Morn	1 15	5 0	7 9	Morn	0 14	5 7	7 2	Morn
9	A	22	19	♏	☽ in apogee.	4 34	7 36	0 1	5 0	4 39	7 30	0 3	2 24	4 41	7 28	0 4	7 43	4 44	7 25	0 5	2 1	5 1	7 9	0 10	1 0	5 7	7 2	0 14
10	Mo	22	11	♏	Columbus b. 1447.	4 34	7 35	0 31	5 53	4 40	7 30	0 34	3 17	4 42	7 28	0 35	8 36	4 45	7 25	0 37	2 54	5 1	7 8	0 44	1 53	5 8	7 2	0 49
11	Tu	22	3	♏	J. Q. Adams b. 1767.	4 35	7 35	1 4	6 59	4 40	7 30	1 8	4 23	4 43	7 27	1 9	9 42	4 45	7 25	1 11	4 0	5 2	7 8	1 21	2 59	5 8	7 2	1 27
12	W	21	55	♐	*Look for*	4 36	7 34	1 40	8 2	4 41	7 29	1 45	5 26	4 43	7 27	1 46	10 45	4 46	7 24	1 49	5 3	5 2	7 8	2 0	4 2	5 9	7 1	2 7
13	Th	21	46	♐	Antares sou. 8 52.	4 37	7 34	2 21	9 4	4 42	7 29	2 26	6 28	4 44	7 26	2 28	11 47	4 47	7 24	2 31	6 5	5 3	7 8	2 44	5 4	5 9	7 1	2 51
14	Fri	21	37	♑	☽ runs low. □ ☉ ♅	4 37	7 33	3 7	10 0	4 43	7 28	3 12	7 24	4 45	7 26	3 14	Ev 43	4 47	7 23	3 17	7 1	5 3	6 7	3 31	6 0	5 10	7 1	3 38
15	Sat	21	27	♑	*thunder showers.*	4 38	7 33	3 59	10 45	4 43	7 27	4 4	8 9	4 45	7 25	4 6	1 28	4 48	7 23	4 9	7 46	5 4	7 7	4 23	6 45	5 10	7 0	4 30
16	A	21	17	♒	4th Sun. aft. Trin.	4 39	7 32	Rises	11 27	4 44	7 27	Rises	8 51	4 46	7 25	Rises	2 10	4 49	7 22	Rises	8 28	5 5	7 6	Rises	7 27	5 11	7 0	Rises
17	Mo	21	7	♒	E Gerry born, 1789.	4 40	7 31	8 17	Ev 6	4 45	7 26	8 14	9 30	4 47	7 24	8 13	2 49	4 50	7 22	8 12	9 7	5 5	7 6	8 2	8 6	5 12	7 0	8 0
18	Tu	20	57	♒	*Keep Looking*	4 41	7 31	8 54	0 46	4 46	7 26	8 52	10 10	4 48	7 23	8 51	3 29	4 50	7 21	8 50	9 47	5 6	7 5	8 43	8 46	5 12	6 59	8 42
19	W	20	46	♓	Inferior ♂ ☉ ☿.	4 42	7 30	9 29	1 23	4 47	7 25	9 28	10 47	4 49	7 23	9 28	4 6	4 51	7 20	9 27	10 24	5 7	7 5	9 23	9 23	5 13	6 59	9 23
20	Th	20	35	♓	Vega s. 10 36. ☽ ♉	4 42	7 29	10 3	2 2	4 47	7 24	10 3	11 26	4 49	7 22	10 3	4 45	4 52	7 20	10 3	11 3	5 7	7 4	10 2	10 2	5 13	6 58	10 3
21	Fri	20	23	♈	*for showers.*	4 43	7 28	10 37	2 44	4 48	7 23	10 38	Ev 8	4 50	7 21	10 38	5 27	4 53	7 19	10 39	11 45	5 8	7 4	10 41	10 44	5 14	6 58	10 43
22	Sat	20	11	♈	☉ en. ♌. Sup. ♂ ☉ ♀	4 44	7 27	11 12	3 28	4 49	7 23	11 14	0 52	4 51	7 21	11 15	6 11	4 54	7 18	11 16	Ev 29	5 8	7 3	11 21	11 28	5 14	6 57	11 25
23	A	19	59	♉	5th Sun aft. Trin.	4 45	7 27	11 50	4 17	4 50	7 22	11 53	1 41	4 52	7 20	11 54	7 0	4 54	7 17	11 55	1 18	5 9	7 3	Morn	Ev 17	5 15	6 57	Morn
24	Mo	19	46	♉	☽ in per. ♂ ☉ ♃.	4 46	7 26	Morn	5 14	4 51	7 21	Morn	2 38	4 53	7 19	Morn	7 57	4 55	7 17	Morn	2 15	5 10	7 2	0 3	1 14	5 16	6 56	0 8
25	Tu	19	33	♊	St. James. *Very*	4 47	7 25	0 31	6 20	4 52	7 20	0 35	3 44	4 54	7 18	0 37	9 3	4 56	7 16	0 39	3 21	5 10	7 2	0 50	2 20	5 16	6 56	0 56
26	W	19	20	♊	St. Anne. *hot*	4 48	7 24	1 18	7 35	4 53	7 19	1 23	4 59	4 55	7 17	1 15	10 18	4 57	7 15	1 27	4 36	5 11	7 1	1 40	3 35	5 17	6 55	1 47
27	Th	19	6	♋	☽ runs high. ♅ stat	4 49	7 23	2 11	8 50	4 54	7 18	2 16	6 14	4 55	7 16	2 18	11 33	4 58	7 14	2 20	5 51	5 12	7 0	2 34	4 50	5 17	6 55	2 41
28	Fri	18	52	♋	*days.*	4 50	7 22	3 9	9 57	4 54	7 17	3 14	7 21	4 56	7 15	3 16	Morn	4 59	7 13	3 18	6 58	5 12	6 59	3 32	5 57	5 18	6 54	3 39
29	Sat	18	38	♋	☿ stationary.	4 51	7 21	4 10	10 53	4 55	7 16	4 15	8 17	4 57	7 14	4 17	0 40	4 59	7 12	4 19	7 54	5 13	6 59	4 32	6 53	5 18	6 53	4 39
30	A	18	24	♌	Dog days begin.	4 52	7 20	Sets.	11 43	4 56	7 15	Sets	9 7	4 58	7 13	Sets	1 36	5 0	7 11	Sets	8 44	5 14	6 58	Sets	7 43	5 19	6 53	Sets
31	Mo	18	9	♌	Vega sou. 9 52.	4 53	7 18	8 0	Morn	4 57	7 14	7 59	9 52	4 59	7 12	7 58	2 26	5 1	10	7 57	9 29	5 14	6 57	7 [illegible]	8 28	5 20	6 52	7 59

SUN ON MERID. D.	H.	M.	S.
1	0	6	0
7	0	5	26
13	0	4	31
19	0	3	17
25	0	1	46

MOON'S PHASES.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*	N. Orleans. Mobile, *Flor. & Texas.*
First Quarter ...	*ds* 6 *h.* 10 *m.* 13 E.	*ds* 6 *h.* 10 *m.* 1 E.	*ds* 6 *h.* 9 *m.* 56 E.	*ds* 6 *h.* 9 *m.* 49 E.	*ds* 6 *h.* 9 *m.* 37 E.	*ds* 6 *h* 8 *m* 57 E
Full Moon.....	14 3 32 E.	14 3 20 E.	14 3 15 E.	14 3 8 E.	14 2 56 E.	14 2 16 E
Third Quarter ..	21 11 24 M.	21 11 12 M.	21 11 7 M.	21 11 0 M.	21 10 48 M.	21 10 8 M
New Moon.....	28 2 17 E.	28 2 5 E.	28 2 0 E.	28 1 53 E.	28 1 41 E.	28 1 1 E

D M	D W	Sun's dec N ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W N.Y. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.
1	Tu	17 54	♍	Altair sou. 11 10.	4 54	7 17	8 33	0 28	4 58	7 13	8 32	10 32	5 0	7 11	8 32	3 11	5 2	7 9	8 32	10 9	5 15	6 56	8 28	9 8	5 20	6 51	8 28
2	W	17 38	♍	☽ Ω. *Very hot*	4 55	7 16	9 4	1 8	4 59	7 12	9 4	11 8	5 1	7 10	9 4	3 51	5 3	7 8	9 4	10 45	5 16	6 56	9 2	9 44	5 21	6 51	9 4
3	Th	17 22	♎	Burr's tri. com. 1807	4 56	7 15	9 33	1 44	5 0	7 11	9 34	11 43	5 2	7 9	9 34	4 27	5 4	7 7	9 35	11 20	5 16	6 55	9 36	10 19	5 21	6 50	9 38
4	Fri	17 6	♎	*and sultry.*	4 57	7 14	10 2	2 19	5 1	7 10	10 4	Morn	5 3	7 8	10 4	5 2	5 5	7 6	10 5	11 57	5 17	6 54	10 9	10 56	5 22	6 49	10 13
5	Sat	16 50	♎	♄ south 2 48.	4 58	7 13	10 32	2 56	5 2	7 9	10 34	0 20	5 4	7 7	10 35	5 39	5 6	7 5	10 37	Morn	5 18	6 53	10 43	11 33	5 23	6 48	10 48
6	A	16 34	♏	Transfiguration.	4 59	7 11	11 4	3 33	5 3	7 7	11 7	0 57	5 5	7 6	11 8	6 16	5 7	7 4	11 10	0 34	5 18	6 52	11 19	Morn	5 23	6 47	11 24
7	Mo	16 17	♏	♀'s gr. elongation.	5 0	7 10	11 38	4 13	5 4	7 6	11 42	1 37	5 5	7 5	11 44	6 56	5 7	7 3	11 46	1 14	5 19	6 51	11 57	0 13	5 24	6 47	Morn
8	Tu	16 0	♐	*Frequent*	5 1	7 9	Morn	4 54	5 5	7 5	Morn	2 18	5 6	7 4	Morn	7 37	5 8	7 2	Morn	1 55	5 20	6 50	Morn	0 54	5 24	6 46	0 3
9	W	15 42	♐	Altair sou. 10 28.	5 2	7 7	0 17	5 55	5 6	7 4	0 21	3 19	5 7	7 2	0 23	8 38	5 9	7 0	0 26	2 56	5 21	6 49	0 38	1 55	5 25	6 45	0 45
10	Th	15 25	♐	St. Lawrence.	5 3	7 6	1 0	7 9	5 7	7 2	1 5	4 33	5 8	7 1	1 7	9 52	5 10	6 59	1 10	4 10	5 21	6 48	1 23	3 9	5 26	6 44	1 30
11	Fri	15 7	♑	*showers.*	5 4	7 5	1 49	8 22	5 8	7 1	1 54	5 46	5 9	7 0	1 56	11 5	5 11	6 58	1 59	5 23	5 22	6 47	2 13	4 22	5 26	6 43	2 20
12	Sat	14 49	♑	Geo. IV. b. 1762.	5 5	7 3	2 43	9 28	5 9	7 0	2 48	6 52	5 10	6 59	2 50	Ev 11	5 12	6 57	2 53	6 29	5 23	6 46	3 6	5 28	5 27	6 42	3 14
13	A	14 31	♒	8th Sun. aft. Trin.	5 6	7 2	3 43	10 21	5 10	6 59	3 47	7 45	5 11	6 57	3 49	1 4	5 13	6 56	3 52	7 22	5 23	6 45	4 4	6 21	5 27	6 41	4 11
14	Mo	14 12	♒	Altair sou. 10 9.	5 7	7 1	Rises	11 5	5 11	6 57	Rises	8 29	5 12	6 56	Rises	1 48	5 14	6 54	Rises	8 6	5 24	6 44	Rises	7 5	5 28	6 40	Rises
15	Tu	13 53	♓	Napoleon b. 1769.	5 8	6 59	7 29	11 46	5 12	6 56	7 27	9 10	5 13	6 55	7 27	2 29	5 15	6 53	7 26	8 47	5 25	6 43	7 21	7 46	5 29	6 39	7 21
16	W	13 34	♓	☽ ☋. *Expect thun-*	5 10	6 58	8 4	Ev 25	5 13	6 54	8 4	9 49	5 14	6 53	8 3	3 8	5 16	6 52	8 3	9 26	5 25	6 42	8 1	8 25	5 29	6 38	8 2
17	Th	13 15	♈	♄ sou. 1 58. *der*	5 11	6 56	8 39	1 4	5 14	6 53	8 39	10 28	5 15	6 52	8 40	3 47	5 16	6 50	8 40	10 5	5 26	6 41	8 41	9 4	5 30	6 37	8 43
18	Fri	12 56	♈	Fomalhaut s. 1 2.	5 12	6 55	9 14	1 43	5 15	6 52	9 16	11 7	5 16	6 50	9 16	4 26	5 17	6 49	9 17	10 44	5 27	6 40	9 21	9 43	5 30	6 36	9 25
19	Sat	12 36	♉	☽ in per. *showers.*	5 13	6 53	9 51	2 25	5 16	6 50	9 54	11 49	5 17	6 49	9 55	5 8	5 18	6 48	9 57	11 26	5 27	6 39	10 4	10 25	5 31	6 35	10 8
20	A	12 16	♉	9th Sun. aft. Trin.	5 14	6 52	10 32	3 7	5 17	6 49	10 35	Ev 31	5 18	6 48	10 37	5 50	5 19	6 46	10 39	Ev 8	5 28	6 38	10 49	11 7	5 31	6 34	10 54
21	Mo	11 56	♉	William IV. b. 1765	5 15	6 50	11 17	3 56	5 18	6 47	11 21	1 20	5 19	6 46	11 23	6 39	5 20	6 45	11 25	0 57	5 29	6 36	11 37	11 56	5 32	6 32	11 43
22	Tu	11 36	♊	☉ ent. ♍. *Hot*	5 16	6 49	Morn	4 48	5 19	6 46	Morn	2 12	5 20	6 45	Morn	7 31	5 21	6 43	Morn	1 49	5 29	6 35	Morn	Ev 48	5 33	6 33	Morn
23	W	11 16	♊	☽ runs high. *and*	5 17	6 47	0 6	5 56	5 20	6 44	0 11	3 20	5 21	6 43	0 13	8 39	5 22	6 42	0 16	2 57	5 30	6 34	0 29	1 56	5 33	6 31	0 36
24	Th	10 55	♋	St. Bartholomew.	5 18	6 45	1 1	7 18	5 21	6 43	1 6	4 42	5 22	6 42	1 8	10 1	5 23	6 41	1 11	3 19	5 31	6 33	1 25	3 18	5 34	6 30	1 32
25	Fri	10 34	♋	♄ south 1 25.	5 19	6 44	2 0	8 40	2 22	6 41	2 5	6 4	5 23	6 40	2 7	11 23	5 24	6 39	2 9	5 41	5 31	6 32	2 23	4 40	5 34	6 29	2 30
26	Sat	10 14	♌	*showery.*	5 20	6 42	3 2	9 50	5 23	6 40	3 6	7 14	5 23	6 39	3 8	Morn	5 25	6 38	3 10	6 51	5 32	6 31	3 22	5 50	5 35	6 28	3 29
27	A	9 52	♌	10th Sun. aft. Trin.	5 21	6 41	4 5	10 43	5 23	6 38	4 9	8 7	5 24	6 37	4 10	0 33	5 26	6 36	4 12	7 44	5 33	6 29	4 22	6 43	5 35	6 27	4 27
28	Mo	9 31	♍	St. Augustine.	5 22	6 39	Sets	11 30	5 24	6 37	Sets.	8 54	5 25	6 36	Sets.	1 26	5 26	6 35	Sets	8 31	5 33	6 28	Sets	7 30	5 36	6 25	Sets
29	Tu	9 10	♍	St. J. Bap. beh. ☽ Ω	5 23	6 37	7 4	Morn	5 25	6 35	7 3	9 34	5 26	6 34	7 3	2 13	5 27	6 33	7 3	9 11	5 34	6 27	7 1	8 10	5 36	6 24	7 1
30	W	8 48	♍	*Cooler air.*	5 24	6 36	7 33	0 10	5 26	6 33	7 34	10 9	5 27	6 33	7 34	2 53	5 28	6 32	7 34	9 46	5 35	6 26	7 35	8 45	5 37	6 23	7 36
31	Th	8 27	♎	Bunyan d. 1688.	5 25	6 34	8 3	0 45	5 27	6 32	8 4	10 43	5 28	6 31	8 5	3 28	5 29	6 30	8 5	10 20	5 35	6 24	8 8	9 19	5 38	6 22	8 11

SUN ON MERID. D.	H.	M.	S.
1	Morning.		
7	11	57	44
13	11	55	40
19	11	53	33
25	11	51	28

MOON'S PHASES.			
First Quarter ...	13	1	34 M.
Full Moon.....	19	5	14 E.
Third Quarter ..	27	4	51 M.
New Moon.....			

Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*			
ds 5 *h.*	3 *m.*59	E.	
13	1	34	M.
19	5	14	E.
27	4	51	M.

N.Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*			
ds 5 *h.*	3 *m.*47	E.	
13	1	22	M.
19	5	2	E.
27	4	39	M.

Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois & Missouri.*			
ds 5 *h.*	3 *m.*42	E.	
13	1	17	M.
19	4	57	E.
27	4	34	M.

Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*			
ds 5 *h.*	3 *m.*35	E.	
13	1	10	M.
19	4	50	E.
27	4	27	M.

Charleston. *North & S.Car., Geo., Tenn., Ala., Miss., & Ark.*			
ds 5 *h.*	3 *m.*23	E.	
13	0	58	M.
19	4	38	E.
27	4	15	M.

N. Orleans. Mobile. *Flor. & Texas.*			
ds 5 *h*	2 *m*43	E	
13	0	18	M
19	3	58	E
27	3	35	M

D M	D W	Sun's dec N ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets. H. M.	H.W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W N.Y. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.
1	Fri	8 5	♎	Sup. ♂ ☉ ☿. *Windy*	5 26	6 32	8 32	1 19	5 28	6 30	8 34	11 16	5 29	6 30	8 35	4 2	5 30	6 29	8 36	10 53	5 36	6 23	8 42	9 52	5 38	6 21	8 46
2	Sat	7 43	♏	London burnt, 1666.	5 28	6 30	9 3	1 52	5 29	6 29	9 6	11 47	5 30	6 28	9 7	4 35	5 31	6 27	9 9	11 24	5 36	6 22	9 17	10 29	5 39	6 20	9 22
3	A	7 21	♏	☽ in apogee.	5 29	6 29	9 36	2 23	5 30	6 27	9 40	Morn	5 31	6 26	9 42	5 6	5 32	6 26	9 44	11 57	5 37	6 20	9 54	10 56	5 39	6 18	9 59
4	Mo	6 59	♏	*and much*	5 30	6 27	10 13	2 56	5 31	6 25	9 17	0 20	5 32	6 25	10 19	5 39	5 33	6 24	10 21	Morn	5 38	6 19	10 33	11 32	5 40	6 17	10 40
5	Tu	6 36	♐	*cooler.*	5 31	6 25	10 54	3 32	5 32	6 24	10 58	0 56	5 33	6 23	11 0	6 15	5 34	6 23	11 3	0 33	5 38	6 18	11 16	Morn	5 40	6 16	11 23
6	W	6 14	♐	La Fayette b. 1757.	5 32	6 24	11 39	4 11	3 33	6 22	11 44	1 35	5 34	6 22	11 47	6 54	5 35	6 21	11 49	1 12	5 39	6 17	Morn	0 11	5 41	6 15	Morn
7	Th	5 51	♑	☽ runs low.	5 33	6 22	Morn	5 4	5 34	6 21	Morn	2 28	5 35	6 20	Morn	7 47	5 35	6 19	Morn	2 5	5 40	6 15	0 3	1 4	5 41	6 14	0 10
8	Fri	5 29	♑	Nat. of B. V. Mary.	5 34	6 20	0 31	6 17	5 35	6 19	0 35	3 41	5 36	6 18	0 38	9 0	5 36	6 18	0 40	3 18	5 40	6 14	0 54	2 17	5 42	6 12	1 1
9	Sat	5 6	♒	Fomalhaut s. 11 32	5 35	6 19	1 27	7 37	5 36	6 17	1 31	5 1	5 37	6 17	1 33	10 20	5 37	6 16	1 36	4 38	5 41	6 13	1 49	3 37	5 42	6 11	1 56
10	A	4 43	♒	Dog days end.	5 36	6 17	2 28	8 52	5 37	6 16	2 32	6 16	5 38	6 15	2 34	11 35	5 38	6 15	2 36	5 53	5 42	6 11	2 47	4 52	5 43	6 10	2 54
11	Mo	4 21	♒	*Brisk breezes.*	5 37	6 15	3 33	9 51	5 38	6 14	3 37	7 15	5 38	6 14	3 38	Ev 34	5 39	6 13	3 40	6 52	5 42	6 10	3 49	5 51	5 44	6 9	3 54
12	Tu	3 58	♓	☽'s eclipse begins.	5 38	6 13	4 42	10 38	5 39	6 12	4 44	8 2	5 39	6 12	4 45	1 21	5 40	6 12	4 46	7 39	5 43	6 9	4 52	6 38	5 44	6 7	4 57
13	W	3 35	♓	Eclipse ends. ☽ ☋.	5 39	6 12	Rises	11 22	5 40	6 11	Rises	8 46	5 40	6 10	Rises	2 5	5 41	6 10	Rises	8 23	5 44	6 7	Rises	7 22	5 45	6 6	Rises
14	Th	3 12	♈	♂ ☉ ♄. *Pleasant.*	5 40	6 10	7 12	Ev 1	5 41	6 9	7 13	9 25	5 41	6 9	7 14	2 44	5 42	6 8	7 15	9 2	5 44	6 6	7 17	8 1	5 45	6 5	7 20
15	Fri	2 48	♈	Sur. of N. Y. 1776.	5 41	6 8	7 50	0 40	5 42	6 7	7 52	10 4	5 42	6 7	7 53	3 23	5 43	6 7	7 54	9 41	5 45	6 5	8 0	8 40	5 46	6 4	8 4
16	Sat	2 25	♉	Fomal. sou. 11 4.	5 42	6 6	8 30	1 21	5 43	6 6	8 33	10 45	5 43	6 5	8 35	4 4	5 43	6 5	8 37	10 22	5 45	6 3	8 46	9 21	5 46	6 3	8 51
17	A	2 2	♉	13th Sun. aft. Trin.	5 43	6 5	9 15	2 4	5 44	6 4	9 19	11 28	5 44	6 4	9 20	4 47	5 44	6 4	9 23	11 5	5 46	6 2	9 34	10 4	5 47	6 1	9 40
18	Mo	1 39	♊	*Unpleasant.*	5 44	6 3	10 3	2 47	5 45	6 2	10 8	Ev 11	5 45	6 2	10 10	5 30	5 45	6 2	10 13	11 48	5 47	6 1	10 26	10 47	5 47	6 0	10 33
19	Tu	1 15	♊	♄ south 11 36.	5 45	6 1	10 57	3 35	5 46	6 1	11 2	0 59	5 46	6 0	11 4	6 18	5 46	6 0	11 7	Ev 36	5 47	5 59	11 20	11 35	5 48	5 59	11 28
20	W	0 52	♋	☽ runs high.	5 47	5 59	11 55	4 29	5 47	5 59	11 59	1 53	5 47	5 59	Morn	7 12	5 47	5 59	Morn	1 30	5 48	5 58	Morn	Ev 29	5 48	5 57	Morn
21	Th	0 29	♋	St. Matthew,	5 48	5 57	Morn	5 40	5 48	5 57	Morn	3 4	5 48	5 57	0 2	8 23	5 48	5 57	0 4	2 41	5 49	5 56	0 18	1 40	5 49	5 56	0 25
22	Fri	N. 5	♌	☉ ent. ♎. *Look*	5 49	5 56	0 55	7 6	5 49	5 55	0 1	4 30	5 49	5 55	1 1	9 49	5 49	5 55	1 4	4 7	5 49	5 55	1 16	3 6	5 50	5 55	1 23
23	Sat	S. 18	♌	*for unpleasant*	5 50	5 54	1 57	8 30	5 50	5 54	2 1	5 54	5 50	5 54	2 2	11 13	5 50	5 54	2 4	5 31	5 50	5 54	2 15	4 30	5 50	5 54	2 20
24	A	0 41	♍	14th Sun. aft. Trin.	5 51	5 52	2 59	9 38	5 51	5 52	3 2	7 2	5 51	5 52	3 3	Morn	5 51	5 52	3 5	6 39	5 51	5 52	3 13	5 38	5 51	5 53	3 18
25	Mo	1 5	♍	Fomal. sou. 10 29.	5 52	5 50	4 0	10 28	5 52	5 50	4 2	7 52	5 52	5 50	4 3	0 21	5 52	5 51	4 4	7 29	5 51	5 51	4 9	6 28	5 51	5 51	4 13
26	Tu	1 28	♍	☽ ☊. *weather.*	5 53	5 48	5 1	11 9	5 53	5 49	5 2	8 33	5 53	5 49	5 2	1 11	5 53	5 49	5 3	8 10	5 52	5 60	5 5	7 9	5 52	5 50	5 8
27	W	1 52	♎	Algenib sou. 11 37.	5 54	5 47	Sets	11 45	5 54	5 47	Sets	9 9	5 54	5 47	Sets	1 52	5 54	5 47	Sets.	8 46	5 53	5 48	Sets	7 45	5 52	5 49	Sets
28	Th	2 15	♎	♂ ♀ ☿. *Perhaps*	5 55	5 45	6 33	Morn	5 55	5 45	6 35	9 43	5 55	5 46	6 36	2 28	5 55	5 46	6 37	9 20	5 53	5 47	6 41	8 19	5 53	5 48	6 45
29	Fri	2 38	♏	St. Michael. *some*	4 56	5 43	7 4	0 19	5 56	5 44	7 6	10 14	5 56	5 44	7 7	3 2	5 56	5 44	7 9	9 51	5 54	5 46	7 16	8 50	5 54	5 46	7 20
30	Sat	3 2	♏	St. Jerome. *rain.*	4 58	5 41	7 36	0 50	5 57	5 42	7 39	10 45	5 57	5 42	7 41	3 33	5 56	5 43	7 43	10 22	5 55	5 44	7 52	9 21	5 54	5 45	7 57

SUN ON MERID. D.	H.	M.	S.
1	11	49	31
7	11	47	43
13	11	46	11
19	11	44	58
25	11	44	8

MOON'S PHASES.	Boston. *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	N. Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*	Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*	Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*	N. Orleans. Mobile, *Flor. & Texas.*
	ds 5 *h.* 9 *m.*17 M.	*ds* 5 *h.* 9 *m.* 5 M.	*ds* 5 *h.* 9 *m.* 0 M.	*ds* 5 *h.* 8 *m.*53 M.	*ds* 5 *h.* 8 *m.*41 M.	*ds* 5 *h* 8 *m* 1 M
First Quarter ...	12 11 12 M.	12 11 0 M.	12 10 55 M.	12 10 48 M.	12 10 36 M.	12 9 56 M
Full Moon.....	19 1 44 M.	19 1 32 M.	19 1 27 M.	19 1 20 M.	19 1 8 M.	19 0 28 M
Third Quarter ..	26 10 2 E.	26 9 50 E.	26 9 45 E.	26 9 38 E.	26 9 26 E.	26 8 46 E

D M	D W	Sun's dec S ° ′	☽ pl.	MISCELLANEOUS.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets. H. M.	H. W Bost. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W N.Y. H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Phila H. M.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H. W Ham Rds.	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets. H. M.	H. W C'ton H. M.	Sun Ris. H.M.	Sun Sets H.M	Moon Sets H. M.
1	A	3 25	♏	☽ in apogee. *Fair.*	5 59	5 40	8 11	1 21	5 58	5 40	8 15	11 16	5 58	5 41	8 17	4 4	5 57	5 41	8 19	10 53	5 55	5 43	8 30	9 52	5 55	5 44	8 36
2	Mo	3 48	♐	Andre execut. 1780.	6 0	5 38	8 50	1 52	5 59	5 39	8 54	11 48	5 59	5 39	8 56	4 35	5 58	5 39	8 58	11 25	5 56	5 42	9 11	10 24	5 55	5 43	9 18
3	Tu	4 12	♐	*Quite*	6 1	5 36	9 33	2 24	6 0	5 37	9 38	Morn	6 0	5 37	9 40	5 7	5 59	5 38	9 42	11 57	5 57	5 40	9 56	10 56	5 56	5 42	10 3
4	W	4 35	♑	☽ runs low. *cold*	6 2	5 34	10 21	2 56	6 1	5 35	10 25	0 20	6 1	5 36	10 28	5 39	6 0	5 36	10 30	Morn	5 58	5 39	10 44	11 36	5 56	5 40	10 51
5	Th	4 58	♑	Brainerd d. 1747.	6 3	5 33	11 13	3 36	6 2	5 34	11 18	1 0	6 2	5 34	11 20	6 19	6 1	5 35	11 23	0 37	5 58	5 38	11 36	Morn	5 57	5 38	11 43
6	Fri	5 21	♑	Faith. *winds.*	6 4	5 31	Morn	4 25	6 3	5 32	Morn	1 49	6 3	5 33	Morn	7 8	6 2	5 33	Morn	1 26	5 59	5 37	Morn	0 25	5 58	5 39	Morn
7	Sat	5 44	♒	Fomalhaut s. 9 42.	6 5	5 29	0 11	5 30	6 4	5 30	0 16	2 54	6 4	5 31	0 17	8 13	6 3	5 32	0 20	2 31	6 0	5 35	0 32	1 30	5 58	5 37	0 38
8	A	6 7	♒	16th Sun. aft. Trin.	6 7	5 28	1 13	6 56	6 5	5 29	1 17	4 20	6 5	5 29	1 18	9 39	6 4	5 30	1 20	3 57	6 0	5 34	1 30	2 56	5 59	5 36	1 36
9	Mo	6 30	♓	St. Denys. *Windy.*	6 8	5 26	2 19	8 14	6 7	5 27	2 22	5 38	6 6	5 28	2 23	10 57	6 5	5 29	2 24	5 15	6 1	5 33	2 32	4 14	6 0	5 34	2 37
10	Tu	6 53	♓	♄ sou. 10 8. ☽ ♉	6 9	5 24	3 27	9 21	6 8	5 26	3 29	6 45	6 7	5 26	3 30	Ev 4	6 6	5 27	3 31	6 22	6 2	5 32	3 36	5 21	6 0	5 33	3 39
11	W	7 15	♈	Bahamas dis. 1492	6 10	5 23	4 39	10 9	6 9	5 24	4 40	7 33	6 8	5 25	4 40	0 52	6 7	5 26	4 40	7 10	6 3	5 30	4 42	6 9	6 1	5 32	4 44
12	Th	7 38	♈	*Look for rain.*	6 11	5 21	Rises	10 53	6 10	5 22	Rises	8 17	6 9	5 23	Rises	1 36	6 8	5 24	Rises	7 54	6 3	5 29	Rises	6 53	6 1	5 31	Rises
13	Fri	8 0	♉	☽ in per. 8 ☉☿	6 12	5 19	6 23	11 32	6 11	5 21	6 26	8 56	6 10	5 22	6 27	2 15	6 9	5 23	6 29	8 33	6 4	5 28	6 36	7 32	6 2	5 30	6 41
14	Sat	8 23	♉	Fomal. sou. 9 14.	6 14	5 18	7 7	Ev 15	6 12	5 19	7 11	9 39	6 11	5 20	7 13	2 58	6 10	5 21	7 15	9 16	6 5	5 27	7 25	8 15	6 3	5 29	7 31
15	A	8 45	♊	17th Sun. aft. Trin.	6 15	5 16	7 56	1 0	6 13	5 18	8 0	10 24	6 12	5 19	8 2	3 43	6 11	5 20	8 5	10 1	6 6	5 25	8 17	9 0	6 3	5 28	8 24
16	Mo	9 7	♊	♂ ☉ ♂. *Cold morn-*	6 16	5 15	8 50	1 44	6 14	5 16	8 55	11 8	6 13	5 17	8 57	4 27	6 12	5 18	8 59	10 45	6 6	5 24	9 13	9 44	6 4	5 27	9 20
17	Tu	9 29	♋	♀'s gr. elongation.	6 17	5 13	9 48	2 31	6 15	5 15	9 52	11 55	6 14	5 16	9 55	5 14	6 13	5 17	9 57	11 32	6 7	5 23	10 11	10 31	6 5	5 26	10 18
18	W	9 51	♋	St. Luke. *ings.*	6 18	5 11	10 48	3 18	6 16	5 13	10 53	Ev42	6 15	5 14	10 55	6 1	6 14	5 15	10 57	Ev19	6 8	5 22	11 10	11 18	6 5	5 24	11 17
19	Th	10 12	♌	Cornw. sur. 1781.	6 19	5 10	11 51	4 15	6 17	5 12	11 55	1 39	6 16	5 13	11 56	6 58	6 15	5 14	11 58	1 16	6 9	5 21	Morn	Ev15	6 6	5 23	Morn
20	Fri	10 34	♌	*Light frost.*	6 21	5 8	Morn	5 24	6 19	5 10	Morn	2 48	6 18	5 12	Morn	8 7	6 16	5 13	Morn	2 25	6 10	5 20	0 9	1 24	6 7	5 22	0 16
21	Sat	10 55	♌	Fomal. sou. 8 47.	6 22	5 7	0 52	6 47	6 20	5 9	0 56	4 11	6 19	5 10	0 57	9 30	6 17	5 11	0 59	3 48	6 10	5 19	1 8	2 47	6 7	5 21	1 13
22	A	11 17	♍	18th Sun. aft. Trin.	6 23	5 5	1 54	8 9	6 21	5 8	1 56	5 33	6 20	5 9	1 57	10 52	6 18	5 10	1 58	5 10	6 11	5 17	2 4	4 9	6 8	5 20	2 9
23	Mo	11 38	♍	☉ enters ♏. ☽ ☊.	6 24	5 4	2 54	9 15	6 22	5 6	2 55	6 39	6 21	5 7	2 56	11 58	6 19	5 9	2 57	6 16	6 12	5 16	3 0	5 15	6 9	5 19	3 3
24	Tu	11 59	♎	♄ south 9 10.	6 26	5 2	3 53	10 4	6 23	5 5	3 54	7 28	6 22	5 6	3 54	Morn	6 20	5 7	3 54	7 5	6 13	5 15	3 55	6 4	6 10	5 19	3 57
25	W	12 19	♎	*Cold*	6 27	5 1	4 51	10 45	6 24	5 3	4 51	8 9	6 23	5 5	4 51	0 47	6 22	5 6	4 51	7 46	6 14	5 14	4 49	6 45	6 10	5 18	4 50
26	Th	12 40	♎	7*s south 1 19.	6 28	4 59	Sets.	11 19	6 25	5 2	Sets	8 43	6 24	5 3	Sets	1 28	6 23	5 5	Sets	8 20	6 14	5 13	Sets	7 19	6 11	5 17	Sets
27	Fri	13 0	♏	*blustering*	6 29	4 58	5 36	11 52	6 27	5 1	5 40	9 16	6 25	5 2	5 41	2 2	6 24	5 3	5 43	8 53	6 15	5 12	5 51	7 52	6 12	5 16	5 56
28	Sat	13 20	♏	Sts. Simon & Jude.	6 31	4 57	6 10	Morn	6 28	4 59	6 14	9 47	6 26	5 1	6 16	2 35	6 25	5 2	6 18	9 24	6 16	5 11	6 29	8 23	6 13	5 15	6 35
29	A	13 40	♐	♀ stationary. *winds.*	6 32	4 55	6 48	0 23	6 29	4 58	6 52	10 18	6 28	5 0	6 54	3 6	6 26	5 1	6 56	9 55	6 17	5 10	7 9	8 54	6 13	5 14	7 15
30	Mo	14 0	♐	John Adams b.1735	6 33	4 54	7 29	0 54	6 30	4 57	7 34	10 50	6 29	4 58	7 36	3 37	6 27	5 0	7 38	10 27	6 18	5 9	7 52	9 26	6 14	5 13	7 59
31	Tu	14	♐	☽ runs low.	6 34	4 53	8 15	1 26	6 31	4 56	8 20	11 21	6 30	4 57	8 22	4 9	6 28	4 59	8 24	10 58	6 19	5 8	8 38	9 57	6 15	5 12	8 46

SUN ON MERID.

D.	H.	M.	S.
1	11	43	44
7	11	43	53
13	11	44	33
19	11	45	43
25	11	47	23

MOON'S PHASES.

First Quarter ...	**Boston.** *New Eng., N. Y. St., U. Canada, Mich., Wis., & Iowa.*	**N. Y. City.** *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*	**Philadel.** *Penn., N. Jersey, Ohio, Ind., Illinois, & Missouri.*	**Washington City.** *Virgin., Del., Md., Ken., Ill., & Mo.*
	ds 4 *h.* 1 *m.* 19 M.	*ds* 4 *h.* 1 *m.* 7 M.	*ds* 4 *h.* 1 *m.* 2 M.	*ds* 4 *h.* 0 *m.* 55 M.
Full Moon.....	10 8 51 E.	10 8 39 E.	10 8 34 E.	10 8 27 E.
Third Quarter ..	17 2 3 E.	17 1 51 E.	17 1 46 E.	17 1 39 E.
New Moon.....	25 4 46 E.	25 4 34 E.	25 4 29 E.	25 4 22 E.

| | | | |

SUN ON MERID. D.	H.	M.	S.
1	11	49	29
7	11	51	58
13	11	54	43
19	11	57	39
25	Ev	0	39

MOONS PHASES.				
First Quarter ...	ds 3 h.	3 m.22	E.	
Full Moon.. ...	10	7	0	M.
Third Quarter ..	17	6	29	M.
New Moon.....	25	11	38	M.

D M	D W	Sun's dec. S ° ′	☽ pl.	MISCELLANEOUS.
1	Fri	21 55	♒	*Pleasant.*
2	Sat	22 4	♒	7 *s south 10 50.
3	A	22 12	♓	Advent Sunday.
4	Mo	22 20	♓	♃ south 4 47. ☽☋.
5	Tu	22 28	♈	Vesta south 6 50.
6	W	22 35	♈	Van Buren b. 1782.
7	Th	22 42	♉	*Dubious.*
8	Fri	22 48	♉	♃ stationary.
9	Sat	22 54	♊	☽ in perigee.
10	A	22 59	♊	□☉ ♄. *Windy.*
11	Mo	23 4	♋	☽ runs high.
12	Tu	23 9	♋	*Look for*
13	W	23 12	♌	8 ☉ Juno. *rain.*
14	Th	23 16	♌	Washington d. 1799.
15	Fri	23 19	♍	*High winds.*
16	Sat	23 22	♍	Gr. fire N.Y. 1835.
17	A	23 24	♍	3d Sun. in Advent.
18	Mo	23 25	♎	7 *s south 9 47.
19	Tu	23 26	♎	*Cold winds.*
20	W	23 27	♏	♃ south 3 44.
21	Th	23 27	♏	St. Tho. ☉ ent. ♑.
22	Fri	23 27	♏	☽ in apogee. *Fair.*
23	Sat	23 26	♐	Newton b. 1642.
24	A	23 25	♐	4th Sun. in Advent.
25	Mo	23 23	♑	Christmas. ☽ r. low
26	Tu	23 21	♑	St. Stephen.
27	W	23 19	♑	St. John. ♅ stat.
28	Th	23 16	♒	Innocents. *Rain.*
29	Fri	23 12	♒	*or snow.*
30	Sat	23 8	♓	7*s south 9 0.
31	A	23 4	♓	Sun aft. Christmas.

Boston. *New Eng., N.Y. St., U. Canada, Mich., Wis., & Iowa.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Bost. H. M.
1	7 12	4 26	9 50	2 12
2	7 14	4 26	10 52	2 51
3	7 15	4 26	11 57	3 35
4	7 16	4 26	Morn	4 27
5	7 17	4 25	1 4	5 29
6	7 18	4 25	2 13	6 45
7	7 19	4 25	3 24	7 55
8	7 19	4 25	4 38	9 2
9	7 20	4 25	5 51	9 58
10	7 21	4 25	Rises	10 47
11	7 22	4 25	6 13	11 39
12	7 23	4 25	7 19	Ev 29
13	7 24	4 26	8 26	1 17
14	7 25	4 26	9 31	2 2
15	7 25	4 26	10 35	2 49
16	7 26	4 26	11 37	3 38
17	7 27	4 27	Morn	4 28
18	7 27	4 27	0 37	5 24
19	7 28	4 27	1 35	6 32
20	7 28	4 28	2 33	7 38
21	7 29	4 28	3 30	8 44
22	7 29	4 29	4 26	9 40
23	7 30	4 29	5 21	10 23
24	7 30	4 30	6 14	11 3
25	7 31	4 31	Sets.	11 41
26	7 31	4 31	5 48	Morn
27	7 31	4 32	6 44	0 16
28	7 32	4 33	7 44	0 51
29	7 32	4 34	8 45	1 25
30	7 32	4 34	9 48	2 0
31	7 32	4 35	10 53	2 37

N.Y. City. *Conn., New Jersey, Penn., Ohio, Ind., & Illinois.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W N.Y. H. M.
1	7 7	4 31	9 54	Morn
2	7 8	4 31	10 55	0 15
3	7 9	4 31	11 59	0 59
4	7 10	4 31	Morn	1 51
5	7 11	4 31	1 5	2 53
6	7 12	4 30	2 13	4 9
7	7 13	4 30	3 23	5 19
8	7 14	4 30	4 35	6 26
9	7 15	4 30	5 48	7 22
10	7 16	4 31	Rises	8 11
11	7 17	4 31	6 18	9 3
12	7 18	4 31	7 24	9 53
13	7 18	4 31	8 30	10 41
14	7 19	4 31	9 35	11 26
15	7 20	4 32	10 38	Ev 13
16	7 21	4 32	11 39	1 2
17	7 21	4 32	Morn	1 52
18	7 22	4 33	0 37	2 48
19	7 22	4 33	1 35	3 56
20	7 23	4 33	2 31	5 2
21	7 23	4 34	3 27	6 8
22	7 24	4 34	4 23	7 4
23	7 24	4 35	5 18	7 47
24	7 25	4 36	6 11	8 27
25	7 25	4 36	Sets.	9 5
26	7 25	4 37	5 53	9 40
27	7 26	4 38	6 49	10 15
28	7 26	4 38	7 48	10 49
29	7 26	4 39	8 48	11 24
30	7 27	4 40	9 51	Morn
31	7 27	4 41	10 54	0 1

Philadel. *Penn., N. Jersey, Ohio, Ind., Illinois & Missouri.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Phila H. M.
1	7 5	4 34	9 55	4 55
2	7 6	4 33	10 56	5 34
3	7 7	4 33	12 0	6 18
4	7 8	4 33	Morn	7 10
5	7 9	4 33	1 5	8 12
6	7 10	4 33	2 13	9 28
7	7 11	4 33	3 23	10 38
8	7 12	4 33	4 35	11 45
9	7 13	4 33	5 47	Ev 41
10	7 14	4 33	Rises	1 30
11	7 14	4 33	6 21	2 22
12	7 15	4 33	7 26	3 12
13	7 16	4 33	8 31	4 0
14	7 17	4 34	9 36	4 45
15	7 17	4 34	10 39	5 32
16	7 18	4 34	11 39	6 21
17	7 19	4 35	Morn	7 11
18	7 19	4 35	0 38	8 7
19	7 20	4 35	1 35	9 15
20	7 20	4 36	2 31	10 21
21	7 21	4 36	3 26	11 27
22	7 21	4 37	4 22	Morn
23	7 22	4 37	5 16	0 23
24	7 22	4 38	6 9	1 6
25	7 23	4 39	Sets.	1 46
26	7 23	4 39	5 55	2 24
27	7 23	4 40	6 51	2 59
28	7 24	4 41	7 49	3 34
29	7 24	4 41	8 50	4 8
30	7 24	4 42	9 51	4 43
31	7 24	4 43	10 55	5 20

Washington City. *Virgin., Del., Md., Ken., Ill., & Mo.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W Ham Rds.
1	7 3	4 36	9 57	11 52
2	7 4	4 36	10 58	Morn
3	7 5	4 36	Morn	0 36
4	7 5	4 36	0 1	1 28
5	7 6	4 36	1 5	2 30
6	7 7	4 36	2 12	3 46
7	7 8	4 36	3 22	4 56
8	7 9	4 36	4 33	6 3
9	7 10	4 36	5 45	6 59
10	7 11	4 36	Rises	7 48
11	7 12	4 36	6 23	8 40
12	7 12	4 36	7 28	9 30
13	7 13	4 36	8 34	10 18
14	7 14	4 36	9 38	11 3
15	7 15	4 37	10 40	11 50
16	7 15	4 37	11 40	Ev 39
17	7 16	4 37	Morn	1 29
18	7 17	4 38	0 38	2 25
19	7 17	4 38	1 34	3 33
20	7 18	4 39	2 30	4 39
21	7 18	4 39	3 25	5 45
22	7 19	4 40	4 20	6 41
23	7 19	4 40	5 14	7 24
24	7 20	4 41	6 7	8 4
25	7 20	4 41	Sets.	8 42
26	7 20	4 42	5 58	9 17
27	7 21	4 43	6 53	9 52
28	7 21	4 43	7 51	10 26
29	7 21	4 44	8 51	11 1
30	7 21	4 45	9 53	11 38
31	7 22	4 46	10 55	Morn

Charleston. *North & S. Car., Geo., Tenn., Ala., Miss., & Ark.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.	H.W C'ton H. M.
1	6 47	4 52	10 7	10 51
2	6 48	4 52	11 5	11 35
3	6 48	4 52	Morn	Morn
4	6 49	4 52	0 5	0 27
5	6 50	4 52	1 7	1 29
6	6 51	4 52	2 11	2 45
7	6 52	4 52	3 17	3 55
8	6 52	4 52	4 25	5 2
9	6 53	4 52	5 34	5 58
10	6 54	4 53	Rises	6 47
11	6 55	4 53	6 37	7 39
12	6 55	4 53	7 41	8 29
13	6 56	4 53	8 45	9 17
14	6 57	4 54	9 46	10 2
15	6 57	4 54	10 46	10 49
16	6 58	4 54	11 43	11 38
17	6 59	4 55	Morn	Ev 28
18	6 59	4 55	0 38	1 24
19	7 0	4 55	1 32	2 32
20	7 0	4 56	2 25	3 38
21	7 1	4 56	3 18	4 44
22	7 1	4 57	4 10	5 40
23	7 2	4 57	5 2	6 23
24	7 2	4 58	5 54	7 3
25	7 3	4 59	Sets.	7 41
26	7 3	4 59	6 12	8 16
27	7 3	5 0	7 6	8 51
28	7 4	5 1	8 2	9 25
29	7 4	5 1	8 59	10 0
30	7 4	5 2	9 58	10 37
31	7 5	5 3	10 58	11 21

N. Orleans. Mobile. *Flor. & Texas.*

D M	Sun Ris. H.M.	Sun Sets H.M.	Moon Sets H. M.
1	6 40	4 58	10 12
2	6 41	4 58	11 10
3	6 42	4 58	Morn
4	6 43	4 58	0 8
5	6 44	4 58	1 9
6	6 44	4 59	2 12
7	6 45	4 59	3 17
8	6 46	4 59	4 24
9	6 47	4 59	5 32
10	6 47	4 59	Rises
11	6 48	4 59	6 45
12	6 49	5 0	7 48
13	6 49	5 0	8 51
14	6 50	5 0	9 52
15	6 51	5 1	10 50
16	6 51	5 1	11 45
17	6 52	5 1	Morn
18	6 52	5 2	0 40
19	6 53	5 2	1 32
20	6 53	5 3	2 24
21	6 54	5 3	3 16
22	6 54	5 4	4 8
23	6 55	5 4	4 59
24	6 55	5 5	5 50
25	6 56	5 5	Sets.
26	6 56	5 6	6 19
27	6 57	5 7	7 12
28	6 57	5 7	8 8
29	6 57	5 8	9 4
30	6 58	5 9	10 2
31	6 58	5 9	11 1

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FROM DISTINGUISHED MEN IN FAVOR OF PHRENOLOGY.

"It is eminently, we think, the system of mental philosophy for the unlearned man, because it is much less abstract than any other. In perusing the account which it gives of the mind and its parts, ordinary people feel, for the first time in their attempts at psychological investigation, that they have ground whereon to rest the soles of their feet. Thus, supposing the observations made with regard to the connection of certain manifestations of thought and feeling with certain parts of the brain to be untrue, there is still a distinct value in Phrenology, as an extensively available means of studying mind. We deem it right, at the same time, to mention that Phrenology appears to us as beforehand likely to be true, in as far as it assigns a natural basis to mind; while we are equally sensible that its leading doctrines have acquired a title to a very respectful attention, from the support given to them by a vast amount of careful observation, and the strikingly enlightened and philanthropic aims for which many of its supporters have become remarkable."—*Robert Chambers.*

"Were I at this moment offered the wealth of India on condition of Phrenology being blotted from my mind for ever, I should scorn the gift; nay, were the wealth of the world placed in one hand, and Phrenology in the other, and orders issued for me to choose one, Phrenology, without a moment's hesitation, would be preferred."—*George Combe.*

"It is my decided opinion, that he who teaches and *trains* upon phrenological principles, will experience a constantly increasing attachment to his profession, will invariably secure the affectionate esteem of his pupils, and will, as a necessary consequence, succeed in giving them a thorough EDUCATION, moral, intellectual, and physical. I write this from several years extensive experience.

"In history, the use of Phrenology is truly valuable, and, I may add, in everything else."—*A. J. Dorsey.*

INTRODUCTION

SUCCESS having attended our efforts thus far, we are encouraged to take another step in advance. We are daily becoming more convinced that only LIGHT and KNOWLEDGE are necessary for the general diffusion and practical application of phrenological principles, and that society will be greatly benefited thereby as surely as that "TRUTH is mighty and will prevail." The science of Phrenology being based in nature it is our DUTY to become acquainted with it, as a part of a system of truths made known and adapted to man, as necessary to the perfection of his character, and the augmenting of his happiness, through the obedience of those laws it presents. It is not expected that this little annual will accomplish great things in this mighty work of diffusing light into dark minds, but it should be remembered that large streams are the result of small springs, and that every drop swells the tide.

Every family must have an Almanac, and if they wish they can gain much general phrenological information at the same time, for a trifling expense, as they are here both united. Many subscribers for the Journal, and orders for books, result from first reading the Almanac. We regret that our limits will not allow a more complete analysis of the characters inserted, and a greater variety of matter. This defect, however, is made up in the Phrenological Journal.

We flatter ourselves that the appearance of this year's annual is an improvement on preceding numbers, and we promise still to improve.

All the cuts are new, and got up expressly for this Almanac, and most of them are good likenesses, and all of them are distinguished characters.

Attention is particularly invited to the first article, especially to the PRINCIPLES, PROOFS, and UTILITY of Phrenology and Physiology.

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PHRENOLOGY AND PHYSIOLOGY.

MAN.

Man, when seen in all the varieties of his character, as developed by the different conditions of life in which he is placed, presents a spectacle wonderful to behold and most difficult to comprehend. When in a passive and isolated state, with no objects to imitate, and with limited motives from without to incite his various powers to action, he is an inferior being, without identity or character, and comparatively without influence in the world;—a mere cipher;—a blot on the space of time;—a nonenity, with but little to distinguish him from the lower order of creation. He ceases to occupy that noble and elevated position to which a proper exercise of all the faculties of his soul are peculiarly fitted and adapted. But when brought into contact with other human beings, when motives are presented for action, he then not only develops his own latent mental powers, but makes positive impressions on the mind, and exerts a decided influence in society.

Constituted as man is, with the impress of perfection, made in the image of his God, he must necessarily be responsible for the influence he exerts. It is not a vain thing to be constituted social, moral, intellectual beings. We cannot reasonably expect such great favors and blessings as we are destined to enjoy through time and eternity, without their counterpart or obligation; neither should we expect to be the crowning head of all God's works without having relevant duties to perform or efforts to make. It is useless for a man to fold his hands in idleness, hoping that he may avoid responsibility, and be carried along on flowery beds of ease and carelessness; for, in so doing, he is doubly guilty—being idle, he violates a law of his nature—fails to discharge his duty; and the influence of his idleness on his associates is most pernicious. How soon does a kindred catch the spirit of its fellow, and embody it as its own! How quickly are the seeds of virtue or vice disseminated! So powerful is the principle of assimilation that each may almost stand as representative of the whole clique. That this assimilation, this influence, or this imitation, under whatever head it may be classified, is connected with responsibilities, is no more to be questioned than that the sun can shine without giving light, or that the fire can burn without producing heat. It is a law of nature established from the beginning, as certain as the laws of electricity, and as immutable as the character of God. To a certain extent we can throw

off moral restraint, and act with perfect looseness, but we cannot avoid the inevitable consequences of such a course.

There are no bounds to the action of each faculty within the limits of its function; therefore, there are many grades of manifestation, and, in combination with other faculties, innumerable shades of character. In proportion as the higher qualities and powers of man's nature are developed, in that degree does he reflect the attributes of his Maker, become the "lord of creation," and enjoy the best of heaven's gifts. In proportion as his faculties are perverted, he is a stranger to virtue, morality, refinement, true happiness, and his best interests. He prefers to commune with unholy rather than holy things, and is a specimen of impurity rather than of perfection.

The study of man, mentally and physically, is fast becoming *the* study of the day and the age. A knowledge of man physically is to be obtained only by studying the functions of his physical nature, guided by experience, observation, the principles of chemistry, and the laws of physiology. The importance of a knowledge of chemistry, as connected with thorough and correct ideas of the functions of our physical natures, is appreciated by a few only. But if discoveries and improvements continue to be made as rapidly in future years as in past time, the community at large will soon become acquainted with the component parts—chemically speaking—of all the functions of the human body.

Physiology is at the foundation of the study of man; its importance cannot be overrated; all auxiliary aids should be brought to bear in its progress, and that attention given to it which it demands. The mind, that cap-sheaf of all animated creation, can be understood only by a thorough investigation of its elements, and the organs through which they are manifested.

Phrenology explains and defines the various elements of the mind, their adaptation to the various wants and conditions of man, their separate and combined action, and their union with and dependence on the organs through which they are manifested.

The mind being composed of distinct elements, performing separate functions, and dependent on a material organization, is adapted to our material consciousness. The tone and power of the mind are materially affected by the quality of the brain through which it is manifested; hence we have the means of studying this wonderful, and heretofore mysterious element.

The principles of Phrenology have their foundation in the nature of man, and can, therefore, be studied with confidence, success, and profit.

The principles, proofs, and utility of Physiological and Phrenological science will now be stated, allowing each one to draw his own conclusion as to their claims to confidence and respect.

PRINCIPLES OF PHRENOLOGY.

1. The brain is the instrument of thought and feeling.
2. Mind is composed of separate faculties, each having its distinct nature and office, and manifested by the exercise of particular portions of the brain or nerves set apart for their especial use, which have their certain and established location in the brain, as much as any function of the body.

3. Every faculty is adapted to a distinct condition or want of man, and their exercise is absolutely necessary to his happiness.

4. Each organ of the mind, like every formation of the body, is double, and is located in the same relative position in each hemisphere of the brain.

5. The manifestations of the mind become deranged by disease of the brain, and *its* condition depends much upon the body.

6. The size and quality of the brain indicate the strength of the mind.

7. Each and every faculty is susceptible of improvement.

8. The natural influence and proper exercise of every faculty results in happiness to the individual and to society.

9. The wickedness and depravity of mankind depend upon the perverted and excessive exercise of the various faculties of the mind.

10. The development and direction of the different faculties of the mind depend much on education and circumstances.

11. Perfection of mind and character depends upon the full and harmonious action of the faculties, and their proper training and direction.

PROOFS OF PHRENOLOGY.

1. Partial insanity, or the derangement of one or more faculties while the others are perfectly sane.

2. Injuries and inflammation of the brain as connected with the derangement of those faculties located in the injured and inflamed portion.

3. Heads of nations, phrenologically speaking, correspond with their known characters.

4. The heads of distinguished and eccentric persons correspond with their characters and natural tendencies of mind.

5. The phrenological developments of animals correspond with their known character.

6. All carnivorous animals and birds have the organ of Destructiveness large, and the larger the organ the stronger the destructive propensity.

7. All herbivorous animals and birds have small Destructiveness, and are narrow in the region of this organ: all wild and untameable animals have large organs of Cautiousness and Secretiveness; all animals that take their prey by stealth have large Secretiveness; those animals that lay up their food for the winter, have the organ of Acquisitiveness large, while animals that do not, have it small.

8. The intelligence of animals and human beings is in proportion to the heighth, width, and length of the frontal lobe of the brain where the intellect is located.

9. As the shape of the brain of animals approaches that of the human brain their characters become similar.

10. The physiognomical expression of the various faculties is in proportion to the size and activity of the organ, and the natural inclination of the head is in the direction of those faculties the most active; and when any class of faculties are much fatigued by exercise, the hand is instinctively directed to that portion of the brain where phrenology locates them.

11. Our own consciousness and every day's experience are strong evidences in favor of the science.

12. The delineation of character by the shape of the head.

UTILITY OF PHYSIOLOGY AND PHRENOLOGY.

Physiology makes us acquainted with all the functions of the body, their individual and relative position, their healthy action, the origin of disease, and

how to guard against it. It also explains the laws of reproduction, of hereditary influences in the transmission of qualities from parents to children, and the necessity of obeying all the laws of our being, in order to secure the most important designs of our creation—*life*, *health*, and *happiness*.

PHRENOLOGY can be rendered useful to all who have sufficient capacity to understand it.

1. It unfolds the true nature and elements of the mind, and their adaptation to the various conditions, relations, and wants of men.

2. It furnishes the data by means of which we can become acquainted not only with ourselves but others.

3. It is the only true foundation for a correct system of mental philosophy.

4. It explains the cause of the great variety of character, talent, opinion, faith, and enjoyment among men, which enables us to make proper allowances for those who differ from us.

5. It informs us what we *should* be, *are*, and *can be*, with a proper education, and what are our excesses and deficiencies, and how most effectually to remedy them.

6. It gives each one to understand where his *real* sphere and grade in society is, according to his natural capacities.

7. It enables us to understand the true philosophy of drunkenness—and the effects of stimulants and narcotics.

8. Teachers, by understanding it, will be better able to adapt their instructions to the *real nature* and capacities of their pupils, so as to better balance their minds, or more effectually bring out their peculiar talents; and parents, guided by it, will know beforehand for what department of business, profession, or trade, their children are best qualified, and direct them accordingly, so that each will be in his own natural sphere and calling.

9. It is of great service to mechanics, merchants, shipmasters, and those who wish to employ domestics, in aiding them to select those who are trustworthy and adapted to their peculiar thoughts and feelings.

10. A correct system of law, government, and punishment, can be based upon no other foundation than that of Phrenology.

11. Legislators, guided by it, will make laws and regulations adapted to the *real* wants and *best* interests of *all* concerned, and will appoint those to office who are naturally qualified for the department to be filled, and will protect the innocent, educate the ignorant, and so punish the guilty as, if possible, to reclaim and restore them to the confidence of society; and will enable man to understand the natural differences between nations and the privileges of each, as well as the duties of the one to the other.

12. We see by the light of this science, that free and well-regulated governments and institutions can exist only in proportion as mind is educated, trained, and guided by moral and intellectual faculties.

13. It furnishes a true definition of virtue and vice, and sustains intimate relations to morality, virtue, and true religion.

14. It is of great service to ministers in enabling them to understand the human mind, to properly assist each one in the perfection of his character, to overcome besetting sins, and in adapting themselves to the spiritual wants of those under their charge.

15. It is the means of removing much of the bigotry, superstition, and prejudice existing in society, and enabling us to have the right kind of charity for others.

16. Phrenology is of very great service, as applied to persons of an imperfect and unfortunate organization, in placing them out of the reach of temptation, and in imposing only those duties upon them that they have the capacity to fulfil; also in understanding what are their besetting sins, and how most successfully to manage and govern them.

17. Physicians would better understand the nature, cause, and cure of disease, if they were acquainted with the elements of mind; and would manage their patients more successfully, especially in cases of monomania.

PHRENOLOGY and PHYSIOLOGY united, make us acquainted with the true relationship of the body and the mind, and the adaptation and sympathy existing between them.

They make us acquainted with all the laws which constitute life, health, and happiness, as connected with our present existence.

They enable us to use and direct the energies of the body and mind harmoniously, so as to gratify both at the same time, and thus to augment happiness.

They furnish us a correct system of exercise and dietetics, and teach us how to avoid and cure insanity.

Lastly, a thorough knowledge of the two sciences combined, is of vital importance in enabling us to select suitable companions for life, where there will be a proper adaptation of the one to the other, and the result of the union be favorable to posterity.

CHARACTER OF PATRICK HENRY.

From the Phrenological Journal.

THE general form of his head, as seen in the accompanying engraving, evinces great height and length of head, with comparatively little width. His was not a wide, round, bullet head, indicative of predominant propensity; but it was developed mainly from the root of the nose over the middle line of his head, which indicated predominant knowing, moral, and social organs. This form of head is still farther evinced by the general form of his face. A long, narrow face always accompanies a high, narrow head; while a short and broad face indicates a wide, round, animal head.

His temperament, or the general structure and cast of his organization, still farther confirms the ascendancy of the moral and intellectual over the animal. His cheeks are thin and sunken, which indicate a less powerful stomach and vital apparatus than brain. Yet his likeness shows that his muscles were remarkably active and powerful. His was evidently one of the best temperaments for the manifestation of quickness and clearness of intellect, keenness of sensibility, and intensity of feeling to be found; and this was the mainspring of his extraordinary brilliancy of talents as well as oratorical powers.

The distinguishing feature of his cerebral organization depended on that extraordinary fullness and projection at and above the root of his nose. As extraordinary a development of Individuality, Form, Locality, Eventuality, Comparison, and Human Nature all combined, the editor has rarely, if ever, seen. Individuality, Eventuality, Form, and Locality are as large in Burritt, yet not Comparison, Human Nature, and Language. In a steel engraving of Henry, which the editor saw several years ago, copied from a portrait by one of the most eminent artists of his day, these organs appeared to be much larger than represented in the accompanying engraving—beyond anything else he ever heheld; and this was doubtless the case.

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