

HUTCHINS' IMPROVED  
**ALMANAC,**

FOR THE YEAR OF OUR LORD

12284  
**1841,** Lax pp.  
25-36

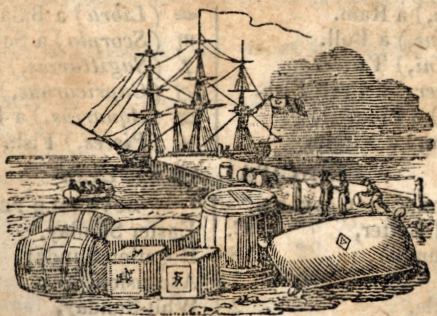
BEING THE FIRST AFTER BISSEXTILE,  
AND UNTIL THE  
**FOURTH OF JULY,**  
The 65th Year of the Independence  
OF THE UNITED STATES.

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Calculated for the Horizon and Meridian of New Jersey.  
IN EQUAL OR CLOCK TIME.

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**BY DAVID YOUNG, PHILOM.**



**ELIZABETH-TOWN, N. J.**

PUBLISHED BY HENRY KIGGINS.

THE ANATOMY OF MAN'S BODY,  
AS GOVERNED BY THE TWELVE CONSTELLATIONS.

♈ Head and Face.

Arms

♊

Heart.

♌

Reins.

♎

Thigh.

♐

Legs.

♑



Neck.

♈

Breast.

♋

Bowels.

♌

Secrets.

♍

Knees.

♎

♏ Feet.

To know where the Sign is, find the day of the month, and against the day in the 4th column, you have the sign or place of the Moon: then find the sign here, and it will give you what part of the body it governs.

Names and Characters of the Signs of the Zodiac

♈ (Aries,) a Ram.

♉ (Taurus,) a Bull.

♊ (Gemini,) Twins.

♋ (Cancer,) a Crab Fish.

♌ (Leo,) a Lion.

♍ (Virgo,) a Virgin.

♎ (Libra) a Balance.

♏ (Scorpio) a Scorpion.

♐ (Sagittarius,) an Archer.

♑ (Capricornus,) a Goat.

♒ (Aquarius,) a Butler

♓ (Pisces,) Fish.

PRINCIPAL ARTICLES.

CHRONOLOGICAL CYCLES.

Dominical Letter,	C.
Golden Number,	18
Epact,	7
Solar Cycle,	2
Roman Indiction,	14
Julian Period,	6554

MOVEABLE FEASTS.

Easter Sunday,	April	11
Rogation Sunday,	May	16
Ascension,	May	20
Whit-Sunday,	May	30
Trinity,	June	6
Advent,	Nov.	28

*Characters and Names of the Aspects, with the Angles which they include.*

<i>Aspects.</i>	<i>Deg.</i>	<i>Aspects.</i>	<i>Deg.</i>
♌ Conjunction	0	* Sextile (obsolete.)	60
♍ Opposition	180	Nodes.	
♎ Trine (obsolete.)	120	♊ Ascending } Node.	
♏ Quartile	90	♋ Descending }	

*Distance from the Sun.*

*Diameters*

☉ The Sun		884,000
☿ Mercury	36,841,468	3,222
♀ Venus	68,891,486	7,690
♁ The Earth	95,173,127	7,964
♂ Mars	145,014,148	5,150
♃ Jupiter	494,990,976	94,100
♄ Saturn	907,956,130	78,990
♃ Hersche.	1, 816,455,516	35,226
● The Moon*		2,180

\* The Moon's mean distance from the Sun, is the same as the Earth's. Her mean distance from the Earth, is 237,857 miles. Sometimes the character of the moon, is varied in the following manner New ☾, First Quarter ☽, Full ☽, Last Quarter ☾.

**CUSTOMARY NOTES.**

1. Venus (♀) will be Evening Star until May 14th, then Morning Star until March 5th, 1842
2. The Moon will run highest, this year, about the 23rd, degree of (♊) Gemini, and lowest about the 23rd, degree of (♏) Sagittarius.
3. Latitude of Herschel (♃) about 40 minutes south this year.
4. Longitude of the Moon's Ascending (♊) in the middle of this year, 10 signs, 10° 41'.
5. Mean obliquity of the Ecliptic in the middle of this year, 23° 27' 35. 8". True obliquity, 23° 27' 41. 4".

**CARDINAL POINTS.**

**D. H. M.**

Vernal Equinox	March	20	1	32	P. M.
Summer Solstice	June	21	10	38	A. M.
Autumnal Equinox	September	23	0	38	A. M.
Winter Solstice	December	21	6	0	P. M.

## ECLIPSES.

There will be six Eclipses four of the Sun and two of the Moon this year.

I. There will be an Eclipse of the Sun on the 22nd of January, at 6h. 10m, in the afternoon, invisible here, visible only in a small part of the Southern Ocean. The magnitude of this Eclipse will be at no place amount to half a digit.

II. There will be an Eclipse of the Moon on the 5th of February, in the evening, visible and total.

	H.	M.
Beginning,	7	24
Beginning of total darkness	8	22
Middle of the Eclipse	9	10 $\frac{1}{2}$
End of total darkness	9	59
End of the Eclipse,	10	57
Duration of total darkness	1	37
Whole duration	3	33

Depth of immersion in the Earth's shadow, 20. 62 digits from the northern side.

III. There will be an Eclipse of the Sun on the 21st of February, at 6h. 25m. in the morning, invisible to us. This Eclipse will be visible at Iceland, East Greenland, and in the North Atlantic Ocean.

IV. There will be an Eclipse of the Sun on the 18th of July, at 9h. 17m. in the morning, invisible. This Eclipse may be seen at Greenland and in the Northern European countries.

V. There will be an Eclipse of the Moon on the 2d. of August, in the morning, total and partly visible.

	H	M
Beginning of the Eclipse	3	8
Beginning of total darkness	4	13
Moon sets totally Eclipsed	4	59
Duration of visibility	1	51

Depth of immersion in the Earth's shadow, 19. 99. digits from the northern side.

VI. There will be an Eclipse of the Sun on the 16th of August, at 4h. 37m. in the afternoon, invisible. This Eclipse will be visible in the South Pacific Ocean, and in some part of the Southern Ocean.

*To preserve peppers.*—Take the seed out of the peppers, and fill them each with salt, let them lay six weeks; then lay them in cold water, changing them frequently until the salt is soaked out of them, green them with cabbage leaves, make a syrup of loaf sugar, pound for pound, put in the peppers, with lemon peel and race ginger, and let them scald; take them out and lay them in the sun, or in a warm place to dry, next day warm the syrup again, put the peppers in to scald, take them out as before, and so on daily until the syrup is gone; put them away in another syrup, made pound for pound.

## TO THE PUBLIC.

All the Almanacs until within a few years have been suited to the dial, which in the ages of antiquity was perhaps the only instrument in use for the mensuration of time: but the present calculations are adapted to Clocks and Watches, those machines of more modern invention so generally used in the present day; which show us the hour by night as well as by day, and as well in cloudy and stormy weather as when the atmosphere is serene.

I have always looked upon it as a palpable absurdity to publish calculations which are unfit for use until converted into another kind of time by the application of an equation; but I was unwilling to be the first innovator. I waited until I found the use of apparent Time set aside by the British Board of Admiralty, and until I perceived that some of our own countrymen had kindly stepped forward and, in a measure, broken thence.

The old rule to find the length of the day, which was to double the time of the Sun's setting, is rendered obsolete by the adoption of Equatorial Time in the Almanac. The following Rule, therefore, which no change of time can disturb, may be substituted: viz.—Add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising.

The day, throughout the year, will be found a few minutes longer than appears by former Almanacs, on account of the horizontal refraction having been allowed in making the calculations.

The time, to the nearest second, when the Sun's centre is on the Meridian, is given once in every four days, for a further help in adjusting time-keepers.

NEWARK, N. J. OCT. 22d 1834.

DAVID YOUNG;

A Table, showing, to the nearest second, what time it ought to be by a Clock when the sun's centre is on the meridian, once every four days.

D.	January		February		March		April		May		June	
	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.
1	eve	4 3	0 13 58	0 12 34	0 3 53	11 56 55	11 57 29					
5	0	5 53	0 14 22	0 11 41	0 2 42	11 56 29	11 58 8					
9	0	7 36	0 14 34	0 10 42	0 1 33	11 56 13	11 58 53					
13	0	9 10	0 14 32	0 9 37	0 0 28	11 56 5	11 59 41					
17	0	10 33	0 14 18	0 8 28	morning.	11 56 7	eve 0 32					
21	0	11 45	0 13 53	0 7 16	11 58 36	11 56 18	0 1 24					
25	0	12 45	0 13 18	0 6 3	11 57 49	11 56 37	0 2 15					
29	0	13 32		0 4 48	11 57 11	11 57 4	0 3 4					
D.	July		August		Septem.		October		Novem.		Decem.	
	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.
1	0	3 28	0 5 59	morning.	11 49 35	11 43 43	11 49 22					
5	0	4 12	0 5 40	11 58 29	11 48 22	11 43 46	11 50 59					
9	0	4 50	0 5 11	11 57 8	11 47 15	11 44 1	11 52 44					
13	0	5 22	0 4 33	11 55 45	11 46 15	11 44 30	11 54 35					
17	0	5 47	0 3 47	11 54 21	11 45 23	11 45 13	11 56 32					
21	0	6 3	0 2 52	11 52 57	11 44 41	11 46 9	11 58 31					
25	0	6 10	0 1 50	11 51 34	11 44 10	11 47 17	ev. 0 31					
29	0	6 7	0 0 42	11 50 14	11 43 50	11 48 39	0 2 30					

*A Table exhibiting the Dominical Letter for every year  
in the 19th Century.*

A.D.	0	1	2	3	4	5	6	7	8	9	DIRECTIONS.
180	E	D	C	B	AG	F	E	D	C	F	The Dominical letter for any year will be found against the first 3 figures of the date and under the 4th or unit figure. There are two Dominical letters for every Bissextile year; the first serving for Jan. and Feb. and the other for the remainder of the year.
181	G	F	ED	C	B	A	GF	E	D	C	
182	BA	G	F	F	DC	B	A	G	F	D	
183	C	B	AG	F	E	D	CB	A	G	F	
184	ED	C	B	A	GF	E	D	C	BA	G	
185	F	E	DC	B	A	G	FE	D	C	B	
186	AG	F	E	D	CB	A	G	F	ED	C	
187	B	A	GF	E	D	C	BA	G	F	E	
188	DC	B	A	G	FE	D	C	B	AG	F	
189	E	D	CB	A	G	F	ED	C	B	A	
190	G	F	E	D	CB	A	G	F	ED	C	

*Table showing what Day of the Week any Day of the  
Month is, forever.*

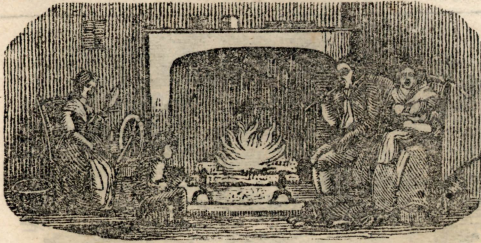
	A	B	C	D	E	F	G	DIRECTIONS.
January, October,	A	B	C	D	E	F	G	Seek the Dominical Letter for the given year against the given month in this table, and the figures below in that column, show the days of the month answering to each of the Sundays—from the nearest of which to the given day, count backward or forward in the week, as in the following example :
Feb. March, Nov.	D	E	F	G	A	B	C	
April, July,	G	A	B	C	D	E	F	
May,	B	C	D	E	F	G	A	
June,	E	F	G	A	B	C	D	
August	C	D	E	F	G	A	B	
September, Dec	F	G	A	B	C	D	E	
	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	
	15	16	17	18	19	20	21	
	22	23	24	25	26	27	28	
	29	30	31					

What day of the week was May 28th, 1808? The Dominical letter for that year, after February (it being bissextile) was B, which against May stands over the 29th day. Now as the 29th was Sunday, the 28th, you know, must have been Saturday.

A TABLE. Directing what quantities of time to add to, or subtract from the time of High water at New-York, (contained in the last column of the calendar pages,) to find the time of High Water at the places here enumerated, [a] denotes addition, [s] subtraction.

Places' Names.	H	M	Places' Names.	H	M	Places' Names.	H	M
Albany,	a	16 30	Hackensack,	a	3 0	Polopel's Island,	a	3 0
Amboy,	s	0 45	Halifax,	a	3 0	Port Roseway,	s	0 50
Annapolis, M. D.	s	2 0	Hartford,	a	2 20	Port Royal, S.C.	s	0 30
Annapolis, N. S.	a	3 0	Hell-Gate,?	a	0 30	Portsmouth,	a	2 45
Boston,	a	2 15	Huntington,	a	2	Providence,	s	1 0
Bridgetown, E.J.	s	45	Ipswich,	a	4	Purrysburg, S. C.	s	2 0
Burlington,	a	0 20	Jamestown,	a	0 50	Quebec,	a	3 0
Cape Ann,	a	2 45	Kingston Esopus.	a	5	Reedy Island,	a	2 15
Cape Fear,	s	1 10	Main Ocean,	s	0 45	Rhode Island,	s	0 45
Cape Haterass,	a	2 0	Nantuket Shoals	s	1 30	Salem,	a	2 45
Cape Henry,	a	2 0	Newburyport,	a	2 45	Sandy Hook,	s	0 41
Casco Bay,	a	2 15	New Haven,	a	2 13	Savannah,	s	1 12
Charleston Lt. H.	a	2 0	New Providence,	s	1 25	Saybrook,	a	2 15
Cape May,	s	0 45	Newtown L'ding,	a	1 0	Sanbury, &c.	a	0 30
Cape Canso,	s	0 30	Penobscot,	a	3 0	Tybee Bar,	a	0 15
Fairfield,	a	2 0	Philadelphia,	a	5 0	White Stone, ?	a	2 45
Georgetown Bar,	a	2 0	Piscataway,	a	2 40	Williamsburg, Va.	a	2 15
Guldford,	a	1 30	Plymouth,	a	1 35	Wilmington, Del.	a	3 20

Hath 31 days.



Begins on Friday.

Full ☉ 7d. 10h. 2m. morn. | New ☉ 22d 0h. 10m. even.  
 Third Qr. 14d 7h. 35m. morn. | First Qr. 30d. 6h. 4m. morn.

Various Phenomena		R.	S.	dc.	☿	♄	♃	♂	H. W.
1	6	Circum. ☉ perigee.	7 27	4 41	22 59	†	0 34	6 37	1 44
2	7	Cold winds. [mas.]	7 27	4 42	22 54	‡	1 44	7 28	2 46
3	C	2d. Sun. aft. Christ-	7 27	4 43	22 48	19	2 58	8 25	4 9
4	2	♄ ♀ ♃. Look	7 27	4 44	22 42	□	4 16	9 28	5 38
5	3	☉ runs high.	7 27	4 45	22 35	18	5 31	10 34	6 54
6	4	Epiphany. ☉ in per.	7 27	4 46	22 28	☽	6 39	11 41	7 55
7	5	for	7 27	4 47	22 20	19	rises	morn.	8 49
8	6	Lucian. snow.	7 27	4 48	22 12	♁	6 19	0 45	9 35
9	7	☉ ☽. □ ♄	7 26	4 49	22 4	19	7 38	1 45	10 18
10	C	1st. S. aft. Epiph.	7 26	4 50	21 55	☿	8 53	2 39	10 58
11	2	Dr. Dwight d. 1817.	7 26	4 51	21 46	17	10 4	3 28	11 34
12	3	Windy	7 26	4 52	21 36	♁	11 12	4 15	ev. 10
13	4	Cher. mis est 1817.	7 25	4 53	21 26	14	morn.	4 59	0 50
14	5	with	7 25	4 54	21 15	27	0 19	5 44	1 36
15	6	flying clouds.	7 25	4 55	21 4	♄	1 24	6 29	2 33
16	7	♀ sets 8 27.	7 24	4 57	20 53	22	2 29	7 16	3 45
17	C	Franklin bn. 1706.	7 24	4 58	20 41	†	3 32	8 5	5 4
18	2	Prisca. [in ap.]	7 23	4 59	20 29	16	4 32	8 55	6 16
19	3	☉ ent. ☽ r. low. ☉	7 23	5 0	20 16	27	5 26	9 46	7 12
20	4	Fabian. Very	7 22	5 1	20 3	☿	6 14	10 37	7 58
21	5	Agnes. likely	7 21	5 3	19 50	21	6 54	11 26	8 38
22	6	Vincent. some	7 21	5 4	19 36	☿	sets.	ev. 14	9 13
23	7	♁. snow.	7 20	5 5	19 22	15	6 10	0 59	9 46
24	C	3d s. aft. Epiph	7 19	5 6	19 7	27	7 13	1 42	10 17
25	2	Conversion St. Paul.	7 19	5 7	18 53	‡	8 16	2 24	10 48
26	3	♀ sets. 8 48.	7 18	5 9	18 38	22	9 19	3 6	11 19
27	4	Continues cold.	7 17	5 10	18 22	☿	10 24	3 48	11 50
28	5	Peter the gr. d. 1725.	7 16	5 11	18 6	18	11 32	4 33	morn.
29	6	Sirius south 10 1.	7 15	5 12	17 50	‡	morn.	5 21	0 27
30	7	More snow.	7 14	5 14	17 34	14	0 42	6 14	1 12
31	C	4th s. aft Epiph.	7 13	5 15	17 17	28	1 56	7 12	2 11

Hath 28 days.



Begins on Monday.

Full ☉ 5d. 9h. 10m. even. | New ☉ 21d. 6h. 25m. morn.  
 Third Qr. 13d. 1h. 42m. morn. | First Qr. 28d. 3h. 7m. even.

Various Phenomena.		☉	R	☉	S.	☉	dc.	☉	☉	S	☉	sou	H.	W.			
1	2	Sirius sou.	9	50.	7	12	5	16	17	0	□	3	9	8	14	3	36
2	3	Purif. B.V M	☉	r.	7	11	5	17	16	43	27	4	19	9	19	5	17
3	4	High N. W.	[High.		7	10	5	19	16	25	☽	5	20	10	24	6	44
4	5	☉ in perigee.	Winds		7	9	5	20	16	7	27	6	10	11	25	7	47
5	6	☉ ecl. vs. snp.	♂ ☉ ♀		7	8	5	21	15	49	☾	rises.	morn.		8	38	
6	7	Clear and cold.			7	7	5	22	15	30	27	6	26	0	22	9	19
7	C	Septuagesima.			7	6	5	24	15	12	☿	7	40	1	14	9	58
8	2	Procyon sou.	10	15.	7	5	5	25	14	53	25	8	52	2	3	10	33
9	3	More calm.			7	4	5	26	14	34	☽	10	1	2	50	11	8
10	4	♀ sets	9	17.	7	2	5	27	14	14	22	11	9	3	36	11	41
11	5	Perhaps			7	1	5	28	13	54	☿	morn.	4	22	ev.	17	
12	6	Procyon sou.	9	59.	7	0	5	30	13	34	18	0	16	5	10	1	0
13	7	some snow.			6	5	9	31	13	14	30	1	21	5	59	1	52
14	C	Valentine. Sexages.			6	5	7	32	12	54	1	2	22	6	49	2	59
15	2	☉ runs low.			6	5	6	33	12	33	24	3	19	7	40	4	21
16	3	☉ in apogee.			6	5	5	35	12	12	☿	4	9	8	31	5	43
17	4	Steady			6	5	3	36	11	51	18	4	52	9	21	6	46
18	5	☉ enters ♋.			6	5	2	37	11	30	30	5	28	10	9	7	34
19	6	cold			6	5	1	38	11	9	☽	5	58	10	55	8	14
20	7	☉ ☽. weather.			6	4	9	39	10	47	24	6	24	11	39	8	48
21	C	Quinquagesima.			6	4	8	41	10	26	☿	sets.	ev.	22	9	20	
22	2	Washington b. 1732			6	4	6	42	10	4	19	7	11	1	5	9	51
23	3	Cold.			6	4	5	43	9	42	☿	8	16	1	47	10	22
24	4	S. Matthias. ash wed.			6	4	3	44	9	20	14	9	24	2	32	10	54
25	5	♀ sets	9	42.	6	4	2	45	8	57	28	10	34	3	19	11	28
26	6	♂ rises	10	23.	6	4	0	46	8	35	☽	11	46	4	10	morn.	
27	7	Look for snow.			6	3	9	48	8	13	25	morn.	5	5	0	7	
28	C	1st Sun. in Lent.			6	3	7	49	7	50	☽	0	58	6	4	0	56

Hath 31 days.

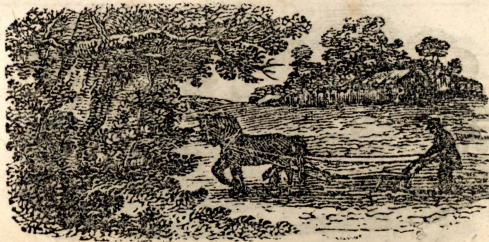


Begins on Monday.

Full ● 7d. 8h. 40m. morn. | New ○ 22d. 9h. 40m. even.  
 Third Qr. 14d. 9h. 23m. even. | First Qr. 29d. 10h. 2m. even.

	Various Phenomena.	☉ R.	☽ S.	☿ dc.	♃	♄	♅	♆ sou.	H.	W.
1	2 David. ● runs low.	6 36	5 50	7 27	Π	2 7	7 6	2 0		
2	3 J. Wesley d. 1791.	6 34	5 51	7 4	☽	3 9	8 9	3 27		
3	4 Quit cold.	6 33	5 52	6 41	22	4 1	9 9	5 10		
4	5 ♀'s & ♄'s gr. elon. ●	6 31	5 53	6 18	Ω	4 43	10 7	6 32		
5	6 ● ☿. [in per.	6 30	5 54	5 55	21	5 18	11 0	7 32		
6	7 More snow.	6 28	5 55	5 32	ny	5 47	11 50	8 16		
7	C 2nd Sun. in Lent.	6 27	5 57	5 8	19	rises.	morn.	8 56		
8	2 ♀ sets 9 58.	6 25	5 58	4 45	♄	7 39	0 38	9 31		
9	3 ☐ ☉ ♃. More	6 23	5 59	4 22	17	8 49	1 25	10 4		
10	4 ☿ statio. ☉ ☐ ♃.	6 22	6 0	3 58	30	9 58	2 12	10 38		
11	5 ♂ stationary. calm.	6 20	6 1	3 35	η	11 5	3 0	11 14		
12	6 Martyr Gregory.	6 18	6 2	3 11	26	morn.	3 50	11 50		
13	7 ♃ disc. 1781.	6 17	6 3	2 47	♄	0 10	4 40	ev. 32		
14	C ● runs low. More	6 15	6 4	2 24	20	1 9	5 82	1 22		
15	2 Jack. b. 1767.	6 14	6 5	2 0	♄	2 2	6 23	2 25		
16	3 ● in apogee. mild.	6 12	6 6	1 36	14	2 48	7 14	3 42		
17	4 St. Patrick.	6 10	6 7	1 13	26	3 26	8 2	5 1		
18	5 Rain	6 9	6 8	0 49	☿	3 58	8 49	6 9		
19	6 ● Ω. or snow.	6 7	6 10	0 25	20	4 25	9 34	7 0		
20	7 ☉ ent. ♀. Inf. ☉ ☐ ♄	6 5	6 11	S. 2	♃	4 49	10 17	7 41		
21	C Benedict. Mid. lent.	6 4	6 12	N. 22	15	5 12	11 0	8 16		
22	2 Cey. mis. es. 1814.	6 2	6 13	0 46	28	5 33	11 43	8 49		
23	3 ☐ ☉ ♃. Unpleasant.	6 0	6 14	1 9	♀	sets.	ev. 28	9 22		
24	4 ♂ rises 8 40.	5 59	6 15	1 33	24	8 22	1 15	9 56		
25	5 Annun. B.V.M.	5 57	6 16	1 57	♄	9 35	2 6	10 33		
26	6 ♀ sets 10 14.	5 55	6 17	2 20	22	10 49	3 0	11 13		
27	7 Unsettled.	5 54	6 18	2 44	Π	11 59	3 59	11 56		
28	C ● runs high.	5 52	6 19	3 7	20	morn.	5 0	morn.		
29	2 Perhaps	5 50	6 20	3 31	☽	1 3	6 2	0 50		
30	3 ♂ south 1 40.	5 49	6 21	3 54	18	1 58	7 2	1 58		
31	4 ● in perigee. rain.	5 47	6 22	4 17	Ω	2 42	7 59	3 26		

Hath 30 days.



Begins on Thursday

Full ☉ 5d. 8h. 35m. even.  
Third Qr. 13d. 5h. 9m even.

New ☉ 21d. 9h. 36m. morn.  
First Qr. 28d. 4h. 1m. morn.

Various Phenomena.		☉ R.	☉ S.	☉ dc.	☉ ☉	☉ S	☉ sou	H	W.
1	5 ☉ ☽. Unpleasant	5 45	6 23	4 40	☉	3 18	8 52	4	59
2	6 Jeff. b. 1743. ☽ stat.	5 44	6 24	5 30	30	3 47	9 42	6	14
3	7 and	5 42	6 25	5 26	☽	4 14	10 29	7	7
4	C Palm Sun. St. Amb.	5 40	6 26	5 49	28	4 38	11 16	7	51
5	2 ☽ Stationary.	5 39	6 27	6 12	☽	5 1	morn.	8	28
6	3 irksome.	5 37	6 28	6 35	25	rises.	0 2	9	2
7	4 Regulus sou 8 55.	5 36	6 29	6 57	☽	8 47	0 50	9	37
8	5 ☽ sets 10 9.	5 34	6 30	7 20	21	9 53	1 39	10	12
9	6 Good Friday:	5 32	6 31	7 42	☽	10 56	2 30	10	50
10	7 More [low.	5 31	6 32	8 4	16	11 53	3 22	11	27
11	C Easter. ☽ stat. ☉ r.	5 29	6 33	8 26	28	morn.	4 14	ev.	8
12	2 agreeable.	5 28	6 34	8 48	☽	0 41	5 5	0	55
13	3 ☉ in apogee.	5 26	6 35	9 10	22	1 23	5 55	1	50
14	4 ☽ pica ☽. sou. 11 44	5 25	6 37	9 31	☽	1 57	6 42	2	56
15	5 ☉ ☽. Rude	5 23	6 38	9 53	16	2 26	7 27	4	10
16	6 winds.	5 22	6 39	10 14	28	2 51	8 11	5	20
17	7 ☽ ☉ ☽ ☽'s gr. elo.	5 20	6 40	10 35	☽	3 14	8 53	6	16
18	C Low Sunday.	5 19	6 41	10 56	23	3 35	9 36	7	2
19	2 Lex. bat. 1775	5 17	6 42	11 17	☽	3 57	10 20	7	42
20	3 ☉ enters ☽. Some	5 16	6 43	11 38	19	4 21	11 6	8	20
21	4 rain.	5 14	6 44	11 58	☽	sets.	11 56	8	58
22	5 ☽ south 11 34.	5 13	6 45	12 18	17	8 33	ev. 51	9	37
23	6 St. George. ☽ stat.	5 11	6 46	12 38	☽	9 48	1 50	10	19
24	7 Warmer.	5 10	6 47	12 58	16	10 56	2 52	11	5
25	C St. Mark. ☉ in per.	5 8	6 48	13 18	30	11 55	3 56	11	52
26	2 [☉ runs high.	5 7	6 49	13 37	☽	morn.	4 57	morn.	
27	3 Look for	5 6	6 50	13 56	29	0 42	5 55	0	48
28	4 ☉ ☽. showers.	5 4	6 51	14 15	☽	1 20	6 49	1	51
29	5 ☽ rises 10 0.	5 3	6 52	14 34	27	1 51	7 38	3	8
30	6 ☽ south 10 51.	5 2	6 53	14 52	☽	2 17	8 26	4	29

Hath 31 days.



Begins on Saturday.

Full ☉ 5d. 9h. 9m. morn.

New ☉ 20d. 6h. 48m. even.

Third Qr. 13d. 11h. 25m. morn.

First Qr. 27d. 10h. 14m. morn.

	<i>Various Phenomena.</i>	☉	R.	☉	S.	☉	dc.	☉	☉	S.	☉	sou	fl.	W.
1	7 <i>Sts. Philip &amp; James.</i>	5	06	54	15	10	♊	2	41	9	11	5	42	
2	3d Sun. af. Easter.	4	59	65	15	28	♋	3	4	9	57	6	37	
3	2 Inven. of the Cross.	4	58	65	15	46	♌	3	28	10	43	7	22	
4	3 Quite warm.	4	57	65	16	4	♍	3	54	11	31	8	1	
5	4 ♂ south 10 26.	4	56	65	16	21	♎	rises.	morn.	8	38			
6	5 <i>St. John Evang.</i>	4	54	65	16	38	♏	8	43	0	21	9	14	
7	6 and pleasant.	4	53	7	0	16	♐	9	42	1	12	9	51	
8	7 ☉ runs low.	4	52	7	1	17	♑	10	34	2	5	10	30	
9	4th Sun. aft. Easter.	4	51	7	2	17	♒	11	18	2	57	11	7	
10	2 ☉ in apogee.	4	50	7	3	17	♓	11	55	3	47	11	45	
11	3 Look for rain.	4	49	7	4	17	♊	morn	4	36	ev.	26		
12	4 ☉ Ω. A. F. Soc. ann.	4	48	7	5	18	♋	0	26	5	21	1	12	
13	5 A. B. Soc Anniver.	4	47	7	6	18	♌	0	52	6	5	2	5	
14	6 Inferior ♂ ☉ ♀.	4	46	7	7	18	♍	1	16	6	47	3	7	
15	7 Warm showers.	4	45	7	8	18	♎	1	37	7	29	4	15	
16	8 Rogation.	4	44	7	9	19	♏	1	59	8	11	5	22	
17	2 ♀ rises 8 42.	4	43	7	10	19	♐	2	21	8	56	6	19	
18	3 ♂ south 9 24.	4	42	7	11	19	♑	2	46	9	44	7	9	
19	4 Dunstan. [d. 1834.	4	41	7	12	19	♒	3	16	10	36	7	55	
20	5 Ascension. La Fayette	4	40	7	13	20	♓	sets.	11	34	8	40		
21	6 ☉ ent. II Warm.	4	40	7	13	20	♊	8	39	ev.	37	9	52	
22	7 ☉ in per. ☉ runs hi	4	39	7	14	20	♋	9	44	1	42	10	12	
23	8 Sun. aft. Ascension.	4	38	7	15	20	♌	10	38	2	47	11	0	
24	2 Q. Victoria b. 1819.	4	37	7	16	20	♍	11	20	3	48	11	46	
25	3 ☉ ♂ A.S.S.U. anniv	4	37	7	17	21	♎	11	54	4	44	morn.		
26	4 Sup. ♂ ☉ ♀. wea-	4	36	7	18	21	♏	morn.	5	36	0	36		
27	5 Ven. Bede. [ther.	4	35	7	19	21	♐	0	22	6	24	1	29	
28	6 Wm. Pitt b. 1759.	4	35	7	19	21	♑	0	47	7	10	2	31	
29	7 ♂ stationary. Very	4	34	7	20	21	♒	1	19	7	55	3	43	
30	8 Whit Sunday. fine.	4	34	7	21	21	♓	1	33	8	41	4	57	
31	2 ♀ rises 3 21.	4	33	7	22	21	♊	1	58	9	27	6	1	

Hath 30 days.



Begins on Tuesday.

Full ☉ 3d. 10h. 46m. even. | New ☽ 19d. 2h. 19m. morn.  
 Third Qr. 12d. 3h. 2m. morn. | First Qr. 25d. 5h. 41m. even.

Various Phenomena.		R.	S.	dc.	☉	☽	S.	sou.	H.	W
1	3 Nicomede. Very	4 33	7 22	22 6	☾	2 26	10 16	6 53		
2	4 hot.	4 32	7 23	22 14	26	2 58	11 6	7 39		
3	5 ♀ stationary.	4 32	7 24	22 22	↑	3 36	11 58	8 20		
4	6 ☽ runs low.	4 32	7 24	22 29	20	rises.	morn.	8 58		
5	7 ☽ ☉ M. Some	4 31	7 25	22 35	☾	9 15	0 50	9 36		
6	C Trinity Sunday.	4 31	7 26	22 42	15	9 54	1 41	10 13		
7	2 ☽ in epogee.	4 31	7 26	22 48	26	10 27	2 30	10 48		
8	3 ☽ Ω. thunder	4 31	7 27	22 53	☾	10 55	3 17	11 23		
9	4 ♀ rises 2 52.	4 30	7 28	22 58	20	11 19	4 1	11 57		
10	5 showers.	4 30	7 28	23 3	☾	11 41	4 48	ev. 34		
11	6 S. Barnabus.	4 30	7 29	23 7	14	morn.	5 24	1 15		
12	7 N. Y. incop. 1665.	4 30	7 29	23 11	26	0 2	6 5	2 4		
13	C 1st. Sun. aft. Trin.	4 30	7 30	23 15	☽	0 23	6 48	3 6		
14	2 The maize	4 30	7 30	23 18	22	0 46	7 33	4 19		
15	3 ☐ ☽ should be	4 30	7 30	23 20	☽	1 13	8 22	5 36		
16	4 well cultivated.	4 30	7 31	23 23	20	1 45	9 16	6 42		
17	5 St. Alban.	4 30	7 31	23 24	☾	2 26	10 16	7 40		
18	6 ☽ runs high,	4 30	7 31	23 26	19	3 19	11 21	8 32		
19	7 ☽ in perigee.	4 30	7 32	23 27	☽	sets.	ev. 28	9 20		
20	C ♀ most brilliant.	4 30	7 32	23 28	19	9 13	1 32	10 7		
21	2 ☉ ent. ☽. ☽ ☉ ♀.	4 31	7 32	23 28	☾	9 52	2 33	10 51		
22	3 Hot with [☽ ☽].	4 31	7 32	23 27	19	10 24	3 29	11 33		
23	4 M south 10 37.	4 31	7 32	23 27	☾	10 50	4 20	morn.		
24	5 St. John, Baptist.	4 31	7 33	23 26	18	11 14	5 8	0 14		
25	6 Frequent	4 32	7 33	23 24	☾	11 38	5 54	0 58		
26	7 ♀ rises 2 12.	4 32	7 33	23 22	15	morn.	6 39	1 48		
27	C 3d Sun. aft. Trin.	4 32	7 33	23 20	28	0 3	7 25	2 51		
28	2 showers.	4 33	7 33	23 17	☾	0 29	8 13	4 6		
29	3 St Peter. ☽ stat. ♀'s	4 33	7 33	23 14	23	1 0	9 3	5 21		
30	4 [gr. elong.	4 34	7 33	23 11	↑	1 36	9 54	6 27		

Hath 31 days.



Begins on Thursday.

Full ☉ 3d. 1h. 32m. even.  
Third Qr. 11d. 3h. 34m. even.

New ☉ 18d. 9h. 17m. morn.  
First Qr. 25d. 3h. 25m. morn.

Various Phenomena.		☉	R	☉	S.	☉	dc.	☉	☉	S.	☉	sou.	H.	W.							
1	5	☉		in ap.	☉	r. low.	4	34	7	33	23	7	1	2	19	10	46	7	20		
2	6			Vis. B. V. M.			4	35	7	32	23	2	29	3	8	11	37	8	5		
3	7			Hot and sultry.			4	35	7	32	22	58	☉	rises.					8	44	
4	C			Indep. ☉		in. ap.	4	36	7	32	22	53	23	8	28	0	26	9	20		
5	2	☉	☉	☉		Look for	4	36	7	32	22	47	☉	8	58	1	14	9	55		
6	3			Antares sou.		9 20.	4	37	7	32	22	41	17	9	23	1	58	10	27		
7	4			showers.			4	38	7	31	22	33	29	9	45	2	41	10	59		
8	5	☉		☉		south 9 32.	4	38	7	31	22	28	☉	10	6	3	22	11	29		
9	6	☉		☉		rises 1 52.	4	39	7	31	22	21	23	10	27	4	3	11	59		
10	7			Columbus b.		1447.	4	39	7	30	22	14	☉	10	49	4	44	ev.	35		
11	C			5th Sun. aft.		Trin.	4	40	7	30	22	6	18	11	13	5	27	1	17		
12	2			Gladsome breezes			4	41	7	29	21	58	☉	11	42	6	13	2	11		
13	3	☉		☉		stationary.	4	42	7	29	21	49	14	morn.				7	3	3	26
14	4			Fr. rev. com.		1789.	4	42	7	28	21	40	28	0	18	7	58	4	57		
15	5			Swithin. ☉		Look	4	43	7	28	21	31	☉	1	3	8	59	6	23		
16	6	☉		☉		runs high.	4	44	7	27	21	21	28	2	1	10	4	7	30		
17	7			☉		frequent	4	45	7	26	21	11	☉	3	12	11	10	8	25		
18	C	☉		☉		in perigee.	4	45	7	26	21	0	28	sets.				ev.	14	9	12
19	2	☉		☉		☉	4	46	7	25	20	49	☉	8	20	1	14	9	55		
20	3			Margaret.			4	47	7	24	20	38	28	8	50	2	8	10	34		
21	4	☉		☉		south 9 51.	4	48	7	24	20	27	☉	9	16	2	59	11	12		
22	5	☉		☉		ent. ☉. Magdalen.	4	49	7	23	20	15	27	9	41	3	48	11	48		
23	6	☉		☉		rises 1 39.	4	50	7	22	20	3	☉	10	6	4	35	morn.			
24	7	☉		☉		's gr. elongation.	4	51	7	21	19	50	☉	10	32	5	22	0	27		
25	C			St. James. Heat			4	51	7	20	19	37	☉	11	2	6	10	1	12		
26	2			St. Anne. continues.			4	52	7	19	19	24	20	11	36	6	59	2	8		
27	3			Inferior ☉ ☉ ☉.			4	53	7	19	19	11	☉	morn.				7	50	3	20
28	4	7	*	s rise 11 40.			4	54	7	18	18	57	14	0	17	8	42	4	43		
29	5	☉		☉		runs low. Look	4	55	7	17	18	43	26	1	5	9	33	6	0		
30	6			Dog days begin.			4	56	7	16	18	28	☉	1	58	10	23	6	59		
31	7	☉	☉	☉		☉	4	57	7	15	18	14	20	2	57	11	11	7	46		

Hath 31 days.



Begins on Sunday.

Full ☉ 2d. 5h. 6m. morn.  
 Third Qr. 10d. 1h. 23m. morn.  
 New ☉ 16d. 4h. 37m. even.

First Qr. 23d. 4h. 14m. even.  
 Full ☉ 31d. 8h. 38m. even.

	<i>Varicus Phenomena</i>	R.	S.	dc.	☉	S.	☉ sou	H.	W.
1	C Lam. day. ☉ in ap.	4 58	7 13	17 59	☞	3 58	11 57	8 25	
2	☉ ecl part vis. ☉ Ω	4 59	7 12	17 43	14	rises.	morn.	8 59	
3	3 Steady hot	5 07	11 17	28 26	7 50	0 40	9 31		
4	4 7*s rise 11 12.	5 17	10 17	12 26	8 12	1 22	10 1		
5	5 weather.	5 27	9 16	55 20	8 32	2 2	10 30		
6	6 Trans. 2 stat. ☉ stat.	5 37	8 16	39 7	8 54	2 43	11 0		
7	7 Name of Jesus.	5 47	7 16	22 15	9 17	3 25	11 31		
8	C 9th S. alt. Trinity.	5 57	5 16	5 27	9 43	4 9	ev. 4		
9	2 Some want	5 67	4 15	48 8	10 16	4 57	0 47		
10	3 S. Lawrence.	5 77	3 15	31 24	10 56	5 49	1 41		
11	4 of rain. [r. high.	5 77	2 15	13 11	11 47	6 45	2 58		
12	5 Geo. IV. b. 1762. ☉	5 87	0 14	55 22	morn.	7 46	4 39		
13	6 Q. Adelaide b. 1792.	5 96	59 14	37 25	0 49	8 50	6 11		
14	7 J. Fletober d. 1785.	5 106	58 14	18 21	2 3	9 53	7 19		
15	C ☉'s gr. el. ☉ in pe. ☉	5 116	56 13	59 10	3 22	10 54	8 11		
16	2 Ch. mis. est. 1818 [Ω	5 126	55 13	40 21	sets.	11 52	8 55		
17	3 Perhaps rain.	5 136	54 13	21 17	7 14	ev. 45	9 34		
18	4 ♂ sets 10 8.	5 146	52 13	2 21	7 40	1 36	10 10		
19	5 ♀ rises 1 43.	5 156	51 12	42 26	8 6	2 25	10 46		
20	6 7*s rise 10 10.	5 166	49 12	23 20	8 33	3 14	11 22		
21	7 Wm. IV. bn. 1765.	5 176	48 12	3 17	9 2	4 3	11 59		
22	C 11th Sun. alt. Trin.	5 186	46 11	43 16	9 36	4 53	morn.		
23	2 ☉ enters ny. Cool.	5 196	45 11	22 29	10 15	5 44	0 43		
24	3 St. Bartholomew.	5 206	43 11	2 7	11 1	6 36	1 37		
25	4 ☉ runs low. Windy.	5 216	42 10	41 23	11 52	7 28	2 46		
26	5	5 226	40 10	20 19	morn.	8 19	4 10		
27	6 Dr. Hers. d. 1822.	5 236	39 9	59 17	0 50	9 8	5 30		
28	7 St. August.	5 246	37 9	38 29	1 50	9 54	6 32		
29	C St. John B. be. ☉ Ω	5 256	36 9	17 22	2 51	10 38	7 20		
30	2 Quite cool.	5 266	34 8	55 23	3 53	11 20	7 57		
31	3 ♀ stationary.	5 276	32 8	33 26	4 55	morn.	8 31		

Hath 30 days.



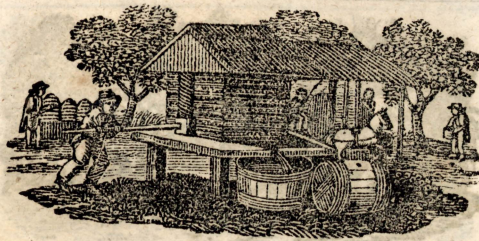
Begins on Wednesday.

Third Qr. 8d. 9h. 17m. morn.  
New ☉ 15d. 1h. 6m. morn.

First Qr. 22d. 8h. 36m. morn.  
Full ☉ 30d. 11h. 23m. morn.

	Various Phenomena.	☉ R.	☉ S	☉ dc.	☉ R.	☉ sou	H.	W.
1	4 Giles. Very	5 28	6 31	8 12	☿ rises.	0 2	9 1	
2	5 Lon. b. 1666, O.S.	5 29	6 29	7 50	29 16	59 0	43 0	31
3	6 ☐ ☉ ♃. pleasant.	5 30	6 28	7 28	♃ 7	22 1	24 10	0
4	7 ♀ rises 2 2.	5 31	6 26	7 6	24 7	47 2	8 10	33
5	C 13th Sun. aft. Trin.	5 32	6 24	6 43	♃ 8	18 2	54 11	06
6	2 Lafayette bn. 1757.	5 33	6 23	6 21	21 8	55 3	45 11	43
7	3 Look for rain.	5 34	6 21	5 59	♃ 11	41 9	39 4	30 ev.
8	4 Nativity of B. V. M.	5 35	6 19	5 36	18 5	37 10	37 5	30
9	5 Su. ☉ ☉ ♃. [d. end.	5 36	6 18	5 13	♃ 11	44 6	38 2	52
10	6 Erie bat. 1813. Dog	5 37	6 16	4 50	16 10	37 7	39 4	32
11	7 Champ. bat. 1814	5 38	6 14	4 28	♃ 0	59 8	39 5	59
12	C 3 ♀. ☉ ☉ winds	5 39	6 13	4 5	15 2	17 9	36 7	2
13	2 ☉ in perigee. and	5 40	6 11	3 42	30 3	35 10	30 7	50
14	3 Holy Cross. light	5 41	6 9	3 19	♃ 4	52 11	22 8	30
15	4 ☉ ☉ ☉. clouds.	5 42	6 8	2 56	29 sets.	ev. 12	9 9	7
16	5 ♀ sets 9 12.	5 43	6 6	2 32	♃ 6	31 1	1 9	43
17	6 Lambert. Quite	5 44	6 4	2 9	28 7	0 1	51 10	19
18	7 cool	5 45	6 3	1 46	♃ 7	32 2	42 10	56
19	C ☐ ☉ ♃. winds.	5 46	6 1	1 23	24 8	10 3	35 11	35
20	2 7*s south 3 42.	5 47	5 59	0 59	♃ 8	54 4	28 morn	
21	3 St. Matt. ☉ r. low.	5 48	5 58	0 36	19 9	44 5	20 0	19
22	4 Look	5 49	5 56	N. 12	♃ 10	41 6	12 1	11
23	5 ☉ ent. ☉. for a	5 50	5 54	S. 11	13 11	40 7	2 2	15
24	6 ☉ in apogee.	5 51	5 53	0 34	25 morn	7 7	49 3	32
25	7 ☉ ☉. storm.	5 52	5 51	0 58	♃ 0	41 8	34 4	50
26	C St. Cyprian.	5 53	5 49	1 21	19 1	43 9	17 5	54
27	2 ☉ ☉ ☉. Cloudy	5 54	5 47	1 45	♃ 2	44 9	59 6	43
28	3 ♀ sets 8 25.	5 55	5 46	2 8	13 3	46 10	40 7	23
29	4 St. Michael. and	5 56	5 44	2 32	26 4	48 1	22 7	56
30	5 St. Jerome. cold.	5 57	5 42	2 55	♃ rises.	morn. 8	29	

Hath 31 days.



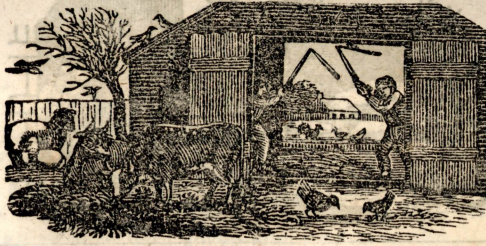
Begins on Friday.

Third Qr. 7d. 4h. 15m. even.  
New ☉ 14d. 11h. 31m. morn.

First Qr. 22d. 4h. 5m. morn.  
Full ☉ 30d. 1h. 1m. morn.

	Various Phenomena.	☉	R.	☉	S.	☉	dc.	☉	☉	R.	☉	sou	H.	W.
1	6 Remigius. Cold.	5	58	5	41	3	18	∩	5	51	0	5	9	1
2	7 Andre exec. 1780.	5	59	5	39	3	42	∞	6	20	0	51	9	34
3	C 17th S. aft. Trinity	6	05	37	4	5	17	∩	6	55	1	41	10	10
4	2 ♀ rises 2 58.	6	15	36	4	28	∩	7	39	2	35	10	50	
5	3 Brainard d. 1747.	6	25	34	4	51	15	8	33	3	32	11	31	
6	4 ☉ runs high.	6	35	33	5	14	28	9	36	4	32	ev.	23	
7	5 Look for frost.	6	45	31	5	37	∞	10	46	5	32	1	26	
8	6 ♂ sets 8 44.	6	55	29	6	0	27	morn.	6	31	2	47		
9	7 St. Denys. ☉ ☿.	6	65	28	6	23	∞	0	1	7	28	4	18	
10	C ☉ in perigee. Cold	6	75	26	6	46	25	1	17	8	21	5	39	
11	2 Bahamas dis. 1492.	6	85	25	7	9	∞	2	32	9	11	6	38	
12	3 ♀ south 10 3.	6	95	23	7	31	21	3	46	10	1	7	23	
13	4 frosty	6	105	21	7	54	∞	4	58	10	49	8	3	
14	5 mornings.	6	125	20	8	16	22	sets.	11	39	8	41		
15	6 7*s south 2 3.	6	135	18	8	38	∞	5	28	ev.	29	9	18	
16	7 Look for	6	145	17	9	1	19	6	4	1	22	9	55	
17	C ♂ ♂ ♀. cold	6	155	15	9	23	1	6	46	2	15	10	34	
18	2 St. Luke. rain.	6	165	14	9	44	15	7	34	3	9	11	14	
19	3 ☉ runs low. Coraw.	6	175	12	10	6	27	8	29	4	3	11	56	
20	4 [sur. 1781.	6	185	11	10	28	∞	9	28	4	54	morn.		
21	5 High Winds.	6	195	9	10	49	21	10	29	5	42	0	44	
22	6 ☉ in apogee. ☉ ☿.	6	205	8	11	11	∞	11	31	6	28	1	39	
23	7 ☉ ent. ∩.	6	225	7	11	32	15	morn.	7	12	2	43		
24	C 20th S. att. Trinity.	6	235	5	11	53	27	0	32	7	54	3	53	
25	2 ♀'s gr. elongation.	6	245	4	12	13	∞	1	33	8	35	5	1	
26	3 Pleasant and	6	255	2	12	34	21	2	34	9	16	5	57	
27	4 [Confl. Newark 1836.	6	265	1	12	54	17	3	37	9	59	6	42	
28	5 Sts. Simon & Jude.	6	275	0	13	14	∞	4	41	10	44	7	22	
29	6 7*s south 1 8.	6	294	59	13	34	30	5	48	11	33	7	59	
30	7 healthful.	6	304	57	13	54	∞	rises.	morn.	8	36			
31	C 21th Snn. att. Trin.	6	314	56	14	14	27	5	35	0	27	9	16	

Hath 30 days.



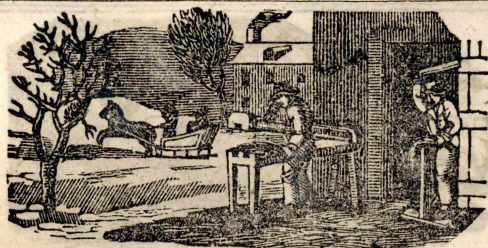
Begins on Monday.

Third Qr. 5d. 11h. 18m. even.  
New ☉ 13d. 0h. 34m. morn.

First Qr. 21d. 1h. 15m. morn.  
Full ☉ 28d. 1h. 42m. even.

Various Phenomena.		☉ R.	☽ S.	☿ dc.	♃	♄ R.	♅ son	H. W.
1	2 All Saints.	6 32	4 55	14 33	II	6 26	1 24	9 57
2	3 All Souls. ☉ r. high.	6 33	4 54	14 52	25	7 28	2 25	10 41
3	4 Blustering and	6 35	4 52	15 11	☿	8 38	3 36	11 27
4	5 ☉ in perigee. cold.	6 36	4 51	15 29	23	9 52	4 27	ev. 18
5	6 ☽ stat. ☉ ☽. Pow.	6 37	4 50	15 48	Ω	11 7	5 24	1 16
6	7 [plot, 1605.	6 38	4 49	16 6	21	morn.	6 17	2 26
7	C 22nd Sun. af. Trin	6 39	4 48	16 24	☿	0 21	7 7	3 48
8	2 ☽ rises 4 15.	6 41	4 47	16 41	20	1 33	7 56	5 5
9	3 Sirius rises 10 18.	6 42	4 46	16 58	☿	2 44	8 43	6 7
10	4 Milton d. 1674.	6 43	4 45	17 15	17	3 54	9 31	6 57
11	5 St. Martin. Quite	6 44	4 44	17 32	♄	5 5	10 20	7 39
12	6 7 *s south 0 13.	6 45	4 43	17 48	14	6 15	11 11	8 20
13	7 pleasant.	6 47	4 42	18 4	27	sets.	ev. 4	8 59
14	C 23 Sun. aft. Trin.	6 48	4 41	18 20	♃	5 25	0 58	9 38
15	2 ☉ runs low.	6 49	4 40	18 35	23	6 17	1 52	10 17
16	3 Inferior ☉ ☽.	6 50	4 39	18 50	☿	7 15	2 44	10 55
17	4 Sirius rises 9 46.	6 51	4 39	19 5	17	8 16	3 34	11 32
18	5 ☉ Ω. Pleasant	6 52	4 38	19 20	29	9 18	4 22	morn.
19	6 ☉ in apogee. for	6 54	4 37	19 34	☿	10 19	5 6	0 14
20	7 the season.	5 54	4 37	19 47	23	11 20	5 48	0 56
21	C 24th Sun. aft. Trin.	6 56	4 36	20 1	☿	morn.	6 29	1 46
22	2 ☉ ent. †. St. Cecili.	6 57	4 35	20 14	17	0 20	7 10	2 44
23	3 St. Clement. Look	6 58	4 35	20 26	29	1 21	7 51	3 50
24	4 for rain.	6 59	4 34	20 38	☿	2 23	8 35	4 57
25	5 ☽ stat. N.Y. evac.	7 1	4 34	20 50	25	3 29	9 22	5 57
26	6 [1783.	7 2	4 33	21 2	8	4 37	10 13	6 49
27	7 More	7 3	4 33	21 13	22	5 49	11 10	7 36
28	C Advent. Sunday.	7 4	4 32	21 23	II	rises.	morn.	8 20
29	2 ☉ runs high. rain.	7 5	4 32	21 33	20	5 14	0 11	9 5
30	3 St. Andrew. ☽ stat.	7 6	4 32	21 43	☿	6 28	1 14	9 50

Hath 31 days.



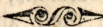
Begins on Wednesday.

Third Qr. 5d. 7h. 20m. morn.  
New ☉ 12d 4h. 39m. even.

First Qr. 20d 9h. 53m. even.  
Full ☉ 28d. 1h 39m. morn.

	<i>Various Phenomena</i>	☉ R.	☉ S.	☉ dc.	☉	☉ R.	☉ sou	H. W
1	4 ☉ in perigee. Very	7	7	4	31	21	53	☽ 7 39 2 17 10 37
2	5 ☉ ☽. fine	7	8	4	31	22	2	☽ 8 55 3 17 11 21
3	6 ☽'s gr. elongation.	7	9	4	31	22	10	18 10 11 4 13 ev. 6
4	7 agreeable	7	10	4	31	22	18	☽ 11 24 5 5 0 55
5	C 2d Sun. in Advtd.	7	11	4	31	22	26	16 morn. 5 54 1 52
6	2 Diet of Worms 1540	7	12	4	31	22	33	30 0 35 6 41 3 0
7	3 weather.	7	13	4	30	22	40	☽ 1 45 7 28 4 16
8	4 7 *s south 10 27.	7	14	4	30	22	46	27 2 54 8 16 5 30
9	5 Milton b. 1608.	7	15	4	30	22	52	☽ 4 3 9 5 6 31
10	6 Look for rain.	7	16	4	31	22	58	24 5 11 9 56 7 21
11	7 Land. at Ply. 1620.	7	17	4	31	23	3	1 6 17 10 49 8 5
12	C ☉ r. low ☐ ☉ ☽.	7	17	4	31	23	7	19 sets. 11 43 8 46
13	2 Lucy. Windy.	7	18	4	31	23	12	☽ 5 4 ev. 36 9 25
14	3 Washington d. 1799	7	19	4	31	23	15	13 6 4 1 27 10 1
15	4 ☉ ☽.	7	20	4	31	23	18	25 7 6 2 15 10 38
16	5 Conf. NY. 1835.	7	20	4	32	23	21	☽ 8 7 3 1 11 11
17	6 ☉ in apogee. very	7	21	4	32	23	23	19 9 8 3 44 11 43
18	7 steady	7	22	4	32	23	25	☽ 10 8 4 25 morn.
19	C 4th Sun. in Advent	7	22	4	33	23	26	13 11 8 5 5 0 18
20	2 mild	7	23	4	33	23	27	25 morn. 5 45 0 55
21	3 St. Thom. ☉ ent. ☽.	7	23	4	34	23	28	☽ 0 8 6 27 1 39
22	4 ☉ ☽. weather.	7	24	4	34	23	28	20 1 11 7 11 2 35
23	5 7 *s south 9 28.	7	24	4	35	23	27	☽ 2 17 8 0 3 45
24	6 Perhaps	7	25	4	35	23	26	16 3 25 8 53 5 3
25	7 Christmas.	7	25	4	36	23	24	30 4 37 9 51 6 16
26	C St. Stephen. rain.	7	25	4	37	23	22	☽ 5 47 10 53 7 17
27	2 St. John. ☉ r. high.	7	26	4	37	23	20	29 6 53 11 58 8 10
28	3 Innocents. [ ☉ ☽ ]	7	26	4	38	23	17	☽ rises morn. 8 59
29	4 ☉ in per. ☉ ☽.	7	26	4	39	23	14	28 6 34 1 1 9 45
30	5 ☉ in perigee.	7	26	4	40	23	10	☽ 7 53 2 1 10 29
31	6 Conclider the poor.	7	27	4	40	23	5	28 9 10 2 57 11 9

## AGRICULTURAL.



*Experiments in Manuring corn*—A Muskingum farmer tell in the Zanesville Gazette, that last year he manured two acres of corn, on a sandy loam, putting a shovel full of each of the following materials in the hill, and planting directly upon it, viz:

1. Half an acre with sheep manure ;
2. Half an acre with chip manure .
3. Half an acre with earth and manure from the barn-yard, the yard being ploughed ;
4. Half an acre with stone coal ashes.

No. 1, planted on the sheep manure, did not any of it grow. there was very little difference between Nos. 2 and 3—the product being about 50 bushels per acre,—while No. 4 far surpassed the rest, and yielded 100 bushels an acre. Pumpkins where planted with each kind of manure; all did well, and gave a fine crop.

The quantity of fossil coal consumed in the country is every year increasing; and if these ashes should prove to be a means of adding fertility to our soil, to the degree indicated in the above noticed experiment, they will become invaluable.

*Topping Corn.*—N. Weld has given us, in the Silk Culturist, a notable illustration of the loss farmers suffer in topping their corn. From accurate experiments ascertained, that his crop was diminished one-fifth when he topped the stalks at the usual time; or that the yield of grain on the topped corn was as 100, to 133½ on the untopped corn. We still lack experiments to the loss, if any, which results from cutting up the corn, at the usual time of topping—

*Comparative value of large and small Turnips.*—We have frequently alluded to the fact, that the ruta baga is the only cultivated root, that increases in nutritious properties as it increases in size. Sinclair found, on analysis, that a root of common turnip, measuring seven inches in diameter, afforded only seventy two grains and a half of nutritious matter, while the same quantity of a root which measured only four inches afforded eighty grains, or double what the large one gave. The largest root of the Swedish turnip afforded 110 grains, while the middle sized or smaller roots gave but 99. The Swede is stated to have grown to weigh 60 lbs. exclusive of tops and tails, in Van Dieman's Land—

*To prevent the ravages of rats in grain.*—How to prevent the ravages of rats in grain after it is housed, has been an inquiry of lone standing. We can never exterminate them to such a degree as not to apprehend their incursions, for a hord of these troublesome visitors will often make their appearance when we least expect them. Instinct points the way to where that provision best suited to there nature is found most plentiful. We have often found, whea we went to tharsh, our oats cut and cleaned by them, and the straw rendered unfit for any purpose whatever, even the subservient one of the litter.

But every evil has a cure; and I have found common elder to be a preventive, and have tested its properties as an anti rat application. When the grain is to be packed away, I scatter a few of the young branches over every layer of bundles, being mindful to have them in greatest abundance on the edges of the pile. The drying of the twigs will give the grain an odour not relished by the vermin—which scent in no wise detracts from the quality of the straw for horses, as it makes no difference with them. I have tried it successfully, a number of years, in wheat, oats and corn.

*Apple Pomace.*—Farmers, save your apple pomace, for your cows or your pigs. If kept from fermentation, it may be led to milch cows with great advantage. Wa have known it to double the quantity of their milk. Pigs will thrive upon it after it has fermented. It may also be made into manure, by mixing it in a compost with quicklime and earth—the lime neutralizing the acid and inducing decomposition.

*The best manure for clay soils.*—Is sand and ashes, or sand and lime: and expose it in the autumn in ridges, throughout the frost of winter, as the brick-makers are accustomed to do.— T. COOPER.

*Insect Enemies.*—Last summer, just after my squash and melon plants put out their rough leaves they were completely riddled by the little striped flying bugs, that literally swarmed upon them. A friend who was visiting me at the time proposed that I should try what had proved to him an effectual remedy: accordingly I put some fresh cow droppings into a tub, mixed therewith water, until so thin that the liquid could be sprinkled over the plants with a whitewash brush. I applied it three times each for two days; the bugs all disappeared from them; the plants soon put out a new and vigorous growth of leaves, nor did bugs again attack them.

Shrewsbury, N. J.

ROB. WHITE, Jr.

*Vitality of seed.* The following remarkable fact, showing the long retention of vitality in seeds when lying upon the ground, has been related to us by Judge Stilwell, of St. Lawrence, as having taken place in his immediate neighborhood and under his own personal observation. Twenty-one years ago, a neighbour cleared and burnt a piece of ground, and harrowed in grass seeds and turnips. The ground lay 12 years in meadow, and 8 years in pasture, when the plough was put into it for the first time, preparatory for a tillage crop. It was soon discovered, after the soil had been turned over, that it promised a crop of turnips, which must have come from seed grown upon the ground nineteen years before, many of the roots having been then left in the ground over winter, and suffered to seed. A part of the plants were left to grow, and came to high perfection.

*Sweet Potato.*—May be raised here in favourable seasons; though they seldom acquire the rich flavour that distinguishes them at the south. To cultivate them here, make a bed of hot dung in May, of one to two feet thick, and a yard square, cover the dung with four or five inches of good mould, on which lay the seed, and cover it with as much more earth. The heat of the dung will soon cause the potato to grow, and when the plants are of the size of cabbage plants, they may be drawn, and planted out with the dibble like cabbages, in hills four feet apart, or the plants eight inches apart in ridges. The soil should be sandy and dry, and the earth should be gathered into cones or ridges, as for melons. The quality of these potatoes is improved by exposing them some days after they are dug, to the ameliorating influence of the sun's rays. They can be well preserved long in this latitude.

*Mildew on the gooseberry.*—We have this year repeated the application of a weak brine to our gooseberries, by sprinkling it with a brush upon the foliage and fruit, to cure the mildew, and with apparent good success—the disease having been arrested, and in a measure removed. A Chautauque paper assures us, it is a complete preventive of mildew.

*Cure for the Bloody Murrain.*—J. J. Deeming, of Mishawaka, Ia. writes us under date of May 15—"I have recently saved a valuable ox, which had the bloody murrain, (of which great numbers of cattle die in this country,) by giving a gallon of a strong decoction of red cedar boughs—then another gallon after three hours.

*To destroy the Hessian Fly.*—A farmer in Ohio has adopted the following successful expedient.—He sows early in September, and feeds it down in November. The fly is lodged in the lower joints of the grain, and is *bitten off and destroyed* by the cattle or sheep which feed upon it. The wheat becomes well established by being sown early, and shoots so vigorously in the spring as to be little if any affected by the fly. An experiment was made in two adjoining fields, sown at the same time—one was *not* fed down, and was nearly destroyed by the Hessian fly; the other *was* fed down and wholly escaped the insect. We state this on the best authority.

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*Pruning the vine.*—A correspondent in the Southern Agriculturist, has detailed in that journal, a successful mode which he has practised of training, or pruning the vine. It is to train up only the main stem, taking or pinching off all the lateral shoots, as fast as they appear, in summer, except those bearing fruit, and to pinch these off also above the fruit. In this way his vines bore early and abundantly—the fruit did not rot, but attained high maturity and delicious flavour.

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*Blight in the pear tree.*—Considering every suggestion, which promises to be of use in preventing this evil to one of our best kinds of fruit, as worthy of notice, we state, on the authority of Samuel Myers, of Ohio, that *spreading tan around the root of the tree*, has been found to be a preventive of blight, and that where the tree has been already affected, it has stopped the disease, and caused thrift and fruitfulness. The experiment may be easily tried.

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*Peach Worme.*—Dr. Scott has furnished us, in the *Plough Boy* with a description of the habits of the insect which attacks the peach tree, about the surface of the ground, and often fatally. The egg is deposited by a large fly, in July, which pierces the outer bark; it soon hatches, and proceeds always towards the root, through the green or inner bark, until checked by the cold of winter. Its presence is indicated by the gum which exudes near or at the surface of the ground. The worm resumes its depredations in the spring, and imerges, a perfect insect, late in June, or early in July. The doctor's remedy is, to put ashes about the collar, or lower part of the stock, and particularly in the spring. The worm is then below the surface, and the rain which percolates through the ashes, becomes a ley, which settling into the worm hole, destroys the insect. Whatever prevents the eggs being deposited near the surface, as covering the lower part of the stock with straw in the spring, so

that the frosts of winter may destroy the insects ere they penetrate the ground—or whatever will destroy the worm when under the ground, as the alkali of lime, ashes, &c. will preserve the peadh tree from the depredations of this insect.

*Hints for the Orchard.*—The slopes of hills are better for the apple orchard than flat or level surfaces—because the trees are not so liable to be injured by stagnant waters, upon the soil or subsoil. Upon a northern aspect, the fruit is not so liable to be injured by late vernal frosts, as upon a southern aspect—because the blossoms are later in developing. A rich soil will give the largest and fairest fruit; a dry and warm one the richest, and bring it to the earliest maturity. The soil should be sufficiently rich to encourage a moderate growth, but not so rich to stimulate the plant to premature exertion. It is better to have trees obtain a fair size before they fruit much, as fruit exhausts the nutriment of the plant, and prevents growth; and a precocious tree is generally a short lived one. The distance between apple trees should vary from 25 to 40 feet, according to the habits of the tree—wether spreiding much or growing upright, the quality of the soil, and the other uses for which the ground is required. The distance may be lessened between the rows, by planting in the quincunx form, or planting the second row in the intervals between the trees in the first

\* \* \*  
row—thus, \* \* \*. Ground may be still further saved, by plant-

\* \* \*  
ing in clumps, of five trees, the centers of which to be sixty feet apart, and four trees at ten feet from the center on each side thus,

\* \* \* This leaves large intervals unobstructed by shade; the

\*  
fruit is gathered more readily, and the trees mutually protect each other from the wind. Hogs and other farm stock are like men, in relishing acid as well as sweet apples. The nutrient properties of the apple are not diminished by the presence of the acid. The roots of a tree conform to the shape of the branches, and generally extend under, as the branches do horizontally over the ground.

*A sentiment of Franklin.*—“I think agriculture the most honorable of all employments, being the most independent. The farmer has no need of populas favour, nor of the favour of the great: the success of his crops depending only on the blessing of God upon his honest industry.

## POETRY.

## THE JOURNEY OF LIFE.

Life is a journey from the womb,  
 Thro' various perils, to the tomb.  
 With trilles pleas'd, in harmless play,  
 We pass our morning hours away ;  
 Of science next, th' ascent subline,  
 With painful steps we strive to climb ;  
 A guide preceding points the way,  
 Whom with reluctance we obey.  
 Now pleasre tempts, with treach'rous smiles,  
 Her dupes unpractis'd in her wiles ;  
 Where'er we turn our wond'ring eyes,  
 A thousand beauteous prospects rise ;  
 The fields, adorn'd with flow'rs, look gay,  
 And smooth and pleasant seems our way ;  
 The joyous birds in ev'ry grove.  
 Tune their melodious throats of love ;  
 A cheerful smile all nature wears,  
 And in her fairest robes appears :  
 But ah ! not long these pleasures last,  
 Half of our journey is soon past ;  
 Beneath the sun's meridian heat,  
 Fatigue'd we faintly toil and sweat ;  
 Thro' mazy ways, and gulphs profound,  
 We pass with dangers compass'd round ;  
 On slipp'ry paths uncertain tread,  
 And adverse storms our course impede.  
 Now rising mists obscure our way,  
 And, erring, we at random stray.  
 Anon, on schemes of wealth intent,  
 We climb ambition's steep ascent ;  
 Above our fellow trev'lers rise,  
 And view them with disdainful eyes.  
 Approaching near our journey's end,  
 Be e th a weight of cares we bend ;  
 With tot'ring steps creep slowly on,  
 (Our former strength and vigour gone ;)   
 No longer warb'ling birds delight  
 The ear, or verdent plains the sight.  
 Groves please no more, unheeded now  
 Thro' flow'ry vales the rivers flow ;  
 Of life, the tiresome journey past,  
 We drop into the tomb at last :  
 Great inn where all our sorrows cease,  
 And kings with peasants rest in peace.