

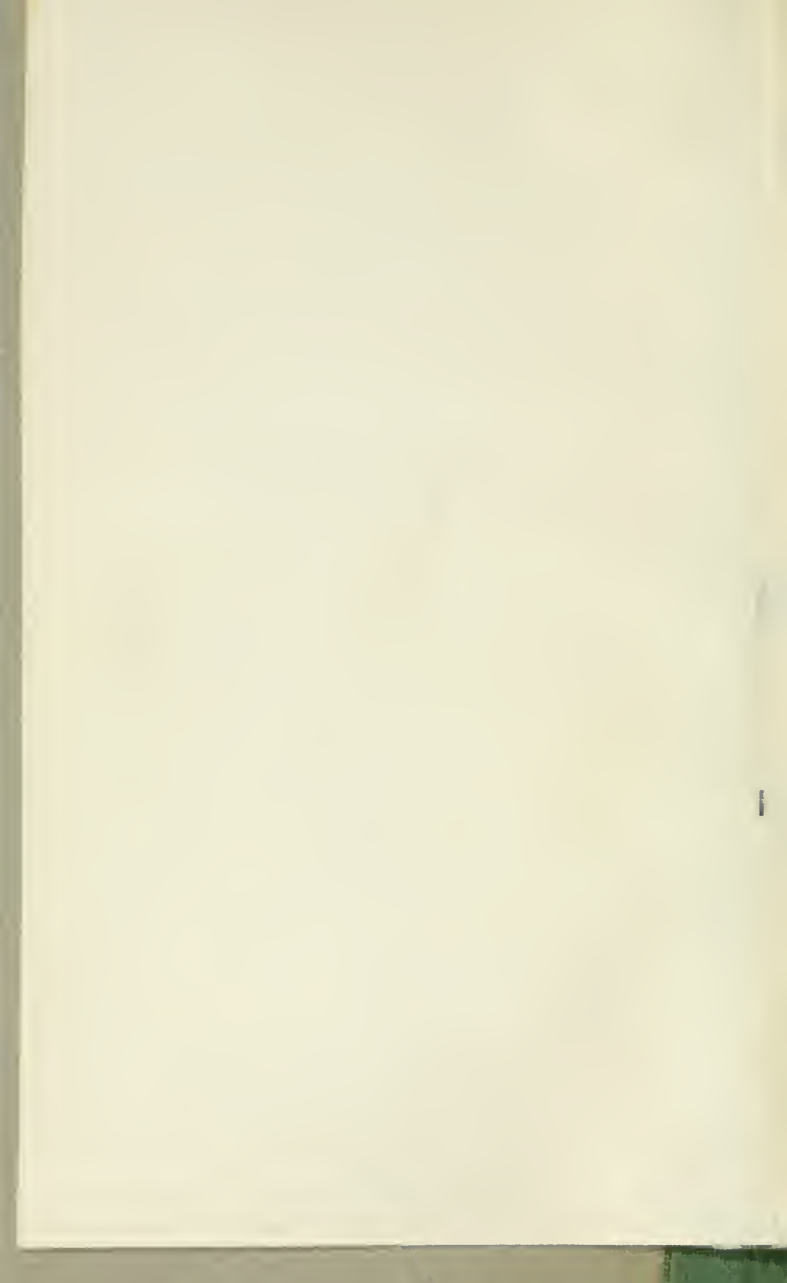
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Vox Stellarum

1831







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VOX STELLARUM;

OR,

A LOYAL

A L M A N A C K

FOR THE YEAR OF HUMAN REDEMPTION

1831,

637569
76.5.56

BEING THE THIRD AFTER BISSEXTILE; AND THE
SECOND OF THE REIGN OF HIS PRESENT MAJESTY:

CONTAINING,

AMONGST A GREAT VARIETY OF USEFUL MATTER

THE RISING AND SETTING OF THE SUN AND MOON;
THE MOON'S CHANGES, SOUTHING, AND AGE;

THE EQUATION OF TIME FOR SETTING CLOCKS AND WATCHES;
THE RISING AND SETTING OF THE PLANETS; THE ELEMENTS
OF THEIR ORBITS; OCCULTATIONS; MUTUAL ASPECTS, ETC.

AND

A correct Tide Table.

ALSO,

A TABLE OF TERMS AND THEIR RETURNS;
AND A USEFUL CHRONOLOGY OF EVENTS.

TO WHICH ARE ADDED,

AN ACCOUNT OF THE ECLIPSES,

WITH ASTROLOGICAL OBSERVATIONS ON THE FOUR QUARTERS
OF THE YEAR; AND AN ANNUAL

HIEROGLYPHIC ADAPTED TO THE TIMES.

By FRANCIS MOORE, PHYSICIAN;

LONDON

PRINTED FOR THE COMPANY OF STATIONERS;

By James & Luke G. Hansard & Sons, near Lincoln's-Inn Fields;
AND SOLD BY GEORGE GREENHILL, AT THEIR HALL,
LUDGATE STREET.

PRICE TWO SHILLINGS AND THREE-PENCE STITCHED.

HAIL, Readers, all! my Message I renew,
 And, postman-like, come from the Stars to you;
 When in their conversation I have been,
 I'll let you know what I have heard and seen,
 And in consulting the erratic Stars,
 Observe who smiles us Peace, who frowns us Wars.

M D	W D	Fasts and Festivals.	☉ ♃	♃ Signs.	♃ A	♃ rises & sets	Mutual Asp. & Weather.
1	S	Circumcision	10	back	17	7 a 49	Cloudy at
2	B	2 S. aft. Christ.	11	bowels	18	8 57	the begin-
3	M	♃ rises 8 11 aft.	12	and	19	10 3	ning, and
4	Tu	♃ sets 5 3 aft.	13	belly	20	11 10	perhaps
5	W	♃ s. o 50 m.	14	reins	21	morn.	rain.
6	Th	Epiph. 12th day	15	loins	22	0 14	☐ ♂ ♀
7	F	[<i>Old Chr.</i>	16	Scor-	23	1 17	
8	S	<i>Lucian Hil. 1 ret.</i>	17	pio	24	2 20	Fair and
9	B	1 S. aft. Epiph.	18	domin.	25	3 21	frosty.
10	M	<i>Plough Mond.</i>	20	hips	26	4 21	
11	Tu	<i>Hil. Term beg.</i>	21	thighs	27	5 19	♂ ♀ ☽
12	W	♀ sets 4 27 aft.	22	knees	28	6 15	♀ elong. max.
13	Th	<i>Hil. Cam. T. beg.</i>	23	and	29	7 4	♂ ♀ ♃
14	F	<i>Oxf. Term beg.</i>	24	hams	N	sets	☐ ☉ ♂
15	S	D. of Glouc. b.	<i>Hil. 2 ret.</i>		1	5 a. 59	
16	B	2 S. aft. Epiph.	26	ankles	2	7 8	Rather un-
17	M	♃ rises 7 6 aft.	27	feet	3	8 19	settled wea-
18	Tu	<i>Prisca. O. 12th d.</i>	28	toes	4	9 33	ther from
19	W	♃ sets 4 15 aft.	29	head	5	10 46	about this
20	Th	<i>Fabian.</i>	☿	face	6	morn.	♂ ☉ ♃
21	F	<i>Agnes</i>	1	neck	7	0 1	time to the
22	S	<i>Vincent</i>	2	throat	8	1 17	♂ ♀ ☽
23	B	3 S. aft. Epiph.	3	arms	9	2 33	♂ ♀ ☽
24	M		4	should.	10	3 46	end.
25	Tu	Conv. St. Paul	5	breast	11	4 53	△ ♃ ♂
26	W	[3 ret.]	6	and	12	5 55	♂ inf. ☉ ♀
27	Th	D. of Suss. born		stom.	13	6 47	☐ ♃ ♂
28	F	♀ sets 5 13 aft.	8	heart	F	rises	
29	S	♂ sets 4 24 aft.	<i>Hil. 4 ret.</i>		15	6 a. 25	☐ ♀ ♂
30	B	Sept. S. K. Chas. L.		bowels	16	7 34	
31	M	<i>Hil. T. ends. [Mart.]</i>		belly	17	8 43	♂ ♃ ♀ : ♂ ☉ ☽

The 2 day, at 11 $\frac{1}{8}$ morn.	Saturn	} is in ϕ with the Moon.
The 14 day, at 11 $\frac{1}{3}$ morn.	Jupiter	
The 14 day, at 1 $\frac{1}{2}$ aftern.	Venus	
The 15 day, at 1 $\frac{1}{3}$ aftern.	Mercury	
The 21 day, at 2 morn.	Mars	
The 29 day, at 6 $\frac{1}{8}$ aftern.	Saturn	

M	Sun rises.	Sun sets.	Moon South.	MONTHLY OBSERVATIONS.
1	8	53	55	2 m 17
B	8	43	56	3 8
3	8	33	57	3 55
4	8	23	58	4 42
5	8	13	59	5 25
6	8	13	59	6 8
7	8	04	0	6 50
8	7	59	4	1 7 33
B	7	59	4	1 8 17
10	7	58	4	2 9 3
11	7	57	4	3 9 50
12	7	55	4	5 10 39
13	7	54	4	6 11 29
14	7	53	4	7 0 a 20
15	7	51	4	9 1 11
B	7	50	4	10 2 0
17	7	49	4	11 2 50
18	7	48	4	12 3 40
19	7	47	4	13 4 30
20	7	46	4	14 5 20
21	7	44	4	16 6 12
22	7	43	4	17 7 5
B	7	42	4	18 8 1
24	7	40	4	20 8 59
25	7	39	4	21 9 57
26	7	38	4	22 10 55
27	7	36	4	24 11 51
28	7	35	4	25 morn.
29	7	33	4	27 0 45
B	7	31	4	29 1 36
31	7	30	4	30 2 24

THE depth of Rain which fell at Epping, in Jan. 1829, was .698 of an Inch; and at High Wycombe, for the same period, 1.081 Inch.

LAST QUAR. 5d. 10h. 54m. aftern.
Judging from stellar influence, as regards the pluvial state of our atmosphere, we may expect Rain or Snow about the 5th, 12th, 18th, 23d, 26th and 30th of this Month.

At the top of this column are given **NEW MOON, 14d. 1 h. 36m. morn.** the Depths of Rain for each Month of the Year 1829, as it was taken with proper instruments, at the abovementioned places, viz. Epping in Essex, and High Wycombe in Buckinghamshire.

FIRST QUAR. 21d. 7h. 29m. morn.
Although the science of Meteorology may be said to be in its infancy, yet the labours of Howard and Daniell have done much in promoting an inquiry into this interesting and useful branch of knowledge; and our monthly results have also their use.

4 FEBRUARY XXVIII Days.

THE Stars this month do now oppose each other ;
 We also find they join as oft together :
 What they intend, let Jove himself relate,
 Who in his hands doth keep the Keys of Fate.
 Great Causes ever move Events as great ;
 This is no month to fight ; but 'tis to treat.

M D	W D	Fasts and Festivals.	☉ Signs.	D's A	D rises & sets.	Mutual Asp. & Weather
1	Tu	♄ rises 5 57 aft.	0 reins	d	h m	Some snow or cold rain, and at times frosty ; ♂ ♀ ♃ ♀ stationary. the latter is likely to □ ♂ ♃ ☉ eclips. inv. prevail for some days. ♂ ☉ ♃ * ♂ ♀ ♀ elong. max. A remission of cold, but ♂ ♀ ♃ mostly fair.
2	W	Purification.	12 and	18	9 a 49	
3	Th	<i>Blaise.</i>	13 loins	19	10 54	
4	F	♃ rises 6 57 mo.	14 Scorpio	20	11 58	
5	S	<i>Agatha</i>	15 domin.	21	morn.	
6	B	Sexages. Sund.	16 hips	22	1 1	
7	M	♂ sets 0 23 mo.	17 and	23	2 1	
8	Tu	♀ sets 5 46 aft.	18 thighs	24	3 0	
9	W		19 knees	25	3 56	
10	Th	♄ rises 6 0 mo.	20 hams	26	4 49	
11	F		21 legs	27	5 37	
12	S	Day incr. 1 52	22 ankles	28	6 18	
13	B	Quinquag. Sun.	23 feet	N	sets	
14	M	<i>Valen. Old Can. d.</i>	24 toes	1	5 a 59	
15	Tu	Shrove Tuesday	25 head	2	7 14	
16	W	Ash Wednesday	26 and	3	8 29	
17	Th	<i>Cam. Ter. div. m.</i>	27 face	4	9 46	
18	F		28 neck	5	11 3	
19	S	♄ sets 7 12 mo.	29 throat	6	morn.	
20	B	1 Sun. in Lent	♃ throat	7	0 20	
21	M	♃ rises 6 1 mo.	1 arms	8	1 34	
22	Tu	♂ sets 0 17 mo.	2 should.	9	2 42	
23	W	Ember Week	3 breast	10	3 44	
24	Th	St. Matthias. D.	4 stom.	11	4 39	
25	F	[<i>Cam. b.</i>	5 heart	12	5 24	
26	S	♀ sets 6 46 aft.	6 back	13	6 1	
27	B	2 Sun. in Lent	7 bowels	F	rises	
28	M	♄ rises 5 52 mo	8 belly	15	6 a 25	
			9 reins	16	7 32	

JUPITER ♃ will be an *Even. Star* until Jan. 20 ; then a *Morn. Star* until Aug. 10 ; afterwards an *Even. Star* to the end of the year.

The 10 day, at 6	aftern. Mercury	} is in ♂ with the Moon.
The 11 day, at 6 $\frac{1}{3}$	morn. Jupiter	
The 13 day, at 5 $\frac{3}{4}$	aftern. Venus	
The 18 day, at - -	noon. Mars	
The 25 day, at 11	aftern. Saturn	

M	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS.
D	h m	h m	h m	
1	7 28	4 32	3 m 9	<p><i>The depth of Rain which fell at Epping, in February 1829, was 1.182 Inch; and at High Wycombe, for the</i></p> <p>LAST QUAR. 4d. 8h. 13m. aftern.</p> <p><i>same period, 1.419 Inch.</i></p> <p>Rain, Snow or Sleet, more or less in quantity, may be expected about the 4th, 7th, 17th and 23d days of this Month. The $\text{♁} \odot \text{♃}$ may be termed <i>apertio portarum</i>, in aspect, and house, but not so in longitude; hence but</p>
2	7 27	4 33	3 54	
3	7 25	4 35	4 37	
4	7 23	4 37	5 20	
5	7 21	4 39	6 4	
B 7	7 19	4 41	6 49	
7	7 17	4 43	7 36	
8	7 16	4 44	8 24	
9	7 14	4 46	9 14	
10	7 12	4 48	10 5	
11	7 10	4 50	10 56	<p>NEW MOON, 12d. 4h. 59m. aftern.</p> <p>little Rain.</p> <hr/> <p><i>Observations and Predictions relating to Mundane Affairs.</i></p> <p>LOOK, courteous Readers, at my</p> <p>FIRST QUAR. 19d. 2h. 59m. aftern.</p> <p>remarks for June last year, and at those, page 47, beginning the Summer quarter. Ye need not now ask yourselves what was the "unwelcome news," for which I bade you "prepare;" nor which were the "crowned</p> <p>FULL MOON, 26d. 4h. 50m. aftern.</p> <p>heads"</p>
12	7 8	4 52	11 48	
B 7	7 7	4 53	0 a 40	
14	7 5	4 55	1 31	
15	7 3	4 57	2 22	
16	7 1	4 59	3 14	
17	6 59	5 1	4 5	
18	6 57	5 3	4 59	
19	6 55	5 5	5 54	
B 6	6 53	5 7	6 51	
21	6 51	5 9	7 48	
22	6 49	5 11	8 45	
23	6 48	5 12	9 40	
24	6 46	5 14	10 34	
25	6 44	5 16	11 26	
26	6 42	5 18	morn.	
B 6	6 40	5 20	0 15	
28	6 38	5 22	1 2	

VENUS ♀ will be an Evening Star until October 8; then a Morning Star to the end of the year.

THE slippery paths of Greatness often prove
 A scourge to such as do Ambition love.
 There's none exempt from the decrees of Fate,
 From the poor Peasant to the Royal seat.
 A great Man bows; 'tis prudence to do so;
 He whom the Fates do drive, can't chuse but go.

M	W	Fasts and	☉	D's	D's	D rises	Mutual Asp.
D	D	Festivals.	☿	Signs.	A	& sets	& Weather.
1	Tu	<i>David</i>	10	and	17	8 a 39	
2	W	<i>Chad</i>	11	loins	18	9 44	
3	Th	♃ sets 6 25 mo.	12	Scorp.	19	10 48	
4	F	♃ rises 5 25 mo.	13	domin.	20	11 50	♀ in aphelio.
5	S	♂ sets 0 14 mo	14	hips	21	morn.	Fine wea-
6	B	3 S. in Lent	15	and	22	0 50	ther for the
7	M	<i>Perpetua.</i>	16	thighs	23	1 48	season.
8	Tu	♀ sets 7 20 aft.	17	knees	24	2 42	☐ ♂ ♀
9	W	♄ rises 5 54 mo.	18	hams	25	3 31	♂ ♃ ♀
10	Th		19	legs	26	4 15	☐ ♂ ♃
11	F		20	and	27	4 55	Still fair.
12	S	<i>Gregory, Martyr</i>	21	ankles	28	5 29	* ♃ ♀
13	B	Midlent Sunday	22	feet	29	6 0	* ♀ ♃
14	M		23	toes	N	sets	
15	Tu		24	head	1	7 a 34	Frosty
16	W		25	face	2	8 54	
17	Th	<i>St. Patrick</i>	26	neck	3	10 13	mornings,
18	F	<i>Edw. K. W. Sax.</i>	27	throat	4	11 29	followed
19	S		28	arms	5	morn.	
20	B	5 Sun. in Lent. Ds.		should.	6	0 41	♂ ♃ ♃
21	M	<i>Bened. [Cumb. b.]</i>	♃	breast	7	1 47	by rain.
22	Tu	♃ sets 5 13 mo.	1	stom.	8	2 43	
23	W	♃ rises 4 25 mo.	2	heart	9	3 29	♀ max. dec. S.
24	Th	♂ sets 0 11 mo.	3	back	10	4 8	Δ ♃ ♀
25	F	<i>Lady Day. Cam. T. ends</i>			11	4 42	
26	S	<i>Oxf. T. ends.</i>	5	and	12	5 10	
27	B	Palm Sunday	6	belly	13	5 36	Mostly fair,
28	M	♀ sets 8 31 aft.	7	reins	F	rises	near the
29	Tu	♄ rises 5 38 mo.	8	loins	15	7 a 37	end of the
30	W		9	Scor-	16	8 43	month.
31	Th	<i>Maund. Thurs.</i>	10	pio	17	9 47	* ☉ ♂

The 11 day, at	2 $\frac{1}{4}$ morn.	Jupiter	} is in ζ with the Moon.
The 12 day, at	4 $\frac{1}{2}$ aftern.	Mercury	
The 15 day, at	6 aftern.	Venus	
The 18 day, at	11 $\frac{1}{2}$ aftern.	Mars	
The 25 day, at	2 $\frac{1}{2}$ morn.	Saturn	

M	Sun	Sun	Moon	MONTHLY OBSERVATIONS.
D	rises	sets	South	
1	6 36	5 24	1 m 47	<i>The depth of Rain which fell at Epping, in March 1829, was .458 of an Inch; and at High Wycombe, for the same period, .575 of an Inch.</i> Rain or sleet on the 2d, 18th, 22d LAST QUAR. 6d. 5h. 11 m. aftern. and 25th days of this Month.
2	6 34	5 26	2 32	
3	6 32	5 28	3 16	
4	6 30	5 30	4 0	
5	6 28	5 32	4 45	
B 6	6 26	5 34	5 31	
7	6 24	5 36	6 18	
8	6 22	5 38	7 6	
9	6 20	5 40	7 56	
10	6 18	5 42	8 48	
11	6 16	5 44	9 40	heads" that would be "greatly distressed." GEO. IV. died in June 1830! and in August Charles X. abdicated. George's reign, though short, was NEW MOON, 14d. 5h. 40m. morn. splendid and honourable. It was the reign of peace, external and internal. Party virulence was greatly abated, useful and practical knowledge were encouraged and made great advance; FIRST QU. 20d. 10h. 17m. aftern. and most, if not all, of the acts of his government, accorded with the spirit of the times. And now we say, God bless his successor, KING WILLIAM IV. May he have wise, and honest, and thoughtful ministers! May they, as far as possible, diminish the burdens of FULL MOON, 28d. 8h. 22m. morn. the People. In reforming what needs a change, may they act upon sound principles, and all will issue well.
12	6 14	5 46	10 32	
B 6	6 12	5 48	11 24	
14	6 10	5 50	0 a 17	
15	6 8	5 52	1 10	
16	6 6	5 54	2 4	
17	6 4	5 56	2 59	
18	6 2	5 58	3 55	
19	6 0	6 0	4 52	
B 5	5 58	6 2	5 49	
21	5 56	6 4	6 46	
22	5 54	6 6	7 42	
23	5 52	6 8	8 36	
24	5 50	6 10	9 28	
25	5 48	6 12	10 17	
26	5 46	6 14	11 4	
B 5	5 44	6 16	11 49	
28	5 42	6 18	morn.	
29	5 40	6 20	0 34	
30	5 38	6 22	1 18	
31	5 36	6 24	2 2	

VENUS thwarts *Jove*, and so doth *Saturn* too,
 But smiles on *Sol* and *Mars*! — What's here to do?
 Apollo holds my pen, lest I should tell;
 'Ill only say thus much, all is not well.
 And I could wish my Friends, in Peace or War,
 Never presume to trust their Foes too far.

M	W	Fasts and Festivals.	☉	D's Signs.	D's	D rises & sets.	Mutual Asp. & Weather.
D	D		☽		A		
1	F	Good Friday	11	domin.	18	10 a 48	Indications
2	S		12	hips	19	11 47	of rain.
3	B	Easter Day Rich ^d	13	thighs	20	morn.	♀ in Ω, * ♂ ♀
4	M	Easter Monday	14	knees	21	0 43	* ♀ ♀
5	Tu	Easter Tu. St. Amb.	and		22	1 33	♂ sup. ♄ * ♃ ♀
6	W	Old Lady-day	16	hams	23	2 14	☉ ♀ ☽ * ☉ ♃
7	Th	♃ sets 4. 14 mo.	17	legs	24	2 58	Frequent
8	F	♃ rises 3 35 mo.	18	ankles	25	3 35	△ ♂ ♀, □ ♀ ♀
9	S	♄ sets 0 6 mo.	19	feet	26	4 6	and hasty
10	B	1st, or Low Sun	20	toes	27	4 36	△ ♀ ♀
11	M	♀ sets 9 19 aft.	21	head	28	5 4	□ ♃ ♀
12	Tu	♄ sets 7 27 aft.	East. 1 ret.		N	sets	showers.
13	W	Oxf. & Camb. T.	23	neck	1	7 a 56	△ ♃ ♂
14	Th	[beg.	24	throat	2	9 19	A growing
15	F	Easter Term beg.	25	arms	3	10 36	△ ☉ ♀
16	S		26	should.	4	11 47	♀ in perihelio.
17	B	2 Sun. af. Easter	27	breast	5	morn.	□ ♀ ♀
18	M		28	stom.	6	0 47	time.
19	Tu	Alphege. 2 ret.	29	heart	7	1 37	□ ♀ ♀
20	W	♃ sets 3 25 mo.	♄	and	8	2 19	□ ♀ ♃
21	Th	♃ rises 2 51 mo.	1	back	9	2 53	□ ♀ ♃
22	F	♄ sets 11 57 aft.	2	bowels	10	3 23	Now more
23	S	St. George	3	belly	11	3 49	fair & plea-
24	B	3 Sun. af. Easter	4	reins	12	4 13	sant, even to
25	M	St. Mark. Ds. Glo.	♄	and	13	4 35	* ♀ ♂
26	Tu		5	loins	14	4 58	♀ max. dec. N.
27	W		6	Scorp.	F	rises	□ ♀ ♀
28	Th	♀ sets 10 16 aft.	7	domin.	16	8 a 46	♃ stationary.
29	F	East. T. 3 ret.	8	hips	17	9 47	the end.
30	S	♄ sets 9 28 aft.	9	and	18	10 43	

The 7 day, at midnight, Jupiter	} is in ♄ with the Moon.
The 13 day, at 5 morn. Mercury	
The 14 day, at 2½ aftern. Venus	
The 16 day, at - - noon, Mars	
The 21 day, at 6½ morn. Saturn.	

M D	Sun rises	Sun sets	Moon South	MONTHLY OBSERVATIONS.
1	5 34	6 26	2 m 47	<i>The depth of Rain which fell at Epping, in April 1829, was 4.862 Inches; and at High Wycombe, for the same period, 4.456 Inches.</i>
2	5 32	6 28	3 32	
B 5	30	6 30	4 19	
4	5 29	6 31	5 7	LAST QUAR. 5 d. 3 m. past noon.
5	5 27	6 33	5 56	
6	5 25	6 35	6 46	Rain may be expected about the 5th, 9th, 11th, 18th & 27th of this Month.
7	5 23	6 37	7 36	
8	5 21	6 39	8 27	
9	5 19	6 41	9 18	Look to my observations on the Winter and Spring Quarters, and ponder well the Type.
B 5	17	6 43	10 10	
11	5 15	6 45	11 3	
12	5 13	6 47	11 57	NEW MOON, 12d. 4 h. om. after.
13	5 11	6 49	0 a 52	Compare what was said in April of my last Year's Almanack, about the Jews, with Mr. R. Grant's motion in the House of Commons, the same month. Watch the progress of the public mind, and wait the event.
14	5 9	6 51	1 50	
15	5 7	6 53	2 49	Greece will become, but not yet, "as the sword of a mighty man." Prince Leopold knew what he was about, when he declined the proffered honour. He remembers, I'll warrant him, what is said in the book of Daniel, and knows that it is only when the word is verified, "I am gone forth," that "Lo, the Prince of Grecia shall come."
16	5 5	6 55	3 49	
B 5	3	6 57	4 48	
18	5 1	6 59	5 46	FIRST QUAR. 19d. 6h. 28m. morn.
19	4 59	7 1	6 41	
20	4 58	7 2	7 33	and knows that it is only when the word is verified, "I am gone forth," that "Lo, the Prince of Grecia shall come."
21	4 56	7 4	8 22	
22	4 54	7 6	9 9	FULL MOON, 27d. oh. 19m. morn.
23	4 53	7 7	9 55	
B 4	51	7 9	10 38	and knows that it is only when the word is verified, "I am gone forth," that "Lo, the Prince of Grecia shall come."
25	4 49	7 11	11 22	
26	4 47	7 13	morn.	and knows that it is only when the word is verified, "I am gone forth," that "Lo, the Prince of Grecia shall come."
27	4 45	7 15	0 6	
28	4 44	7 16	0 50	and knows that it is only when the word is verified, "I am gone forth," that "Lo, the Prince of Grecia shall come."
29	4 42	7 18	1 35	
30	4 40	7 20	2 21	

THE Earth obeys, and so doth all it's crowd,
 When the Eternal Power speaks aloud :
 Great things approach, swift Time prepares the way,
 And to be done by Hands as great as they :
 Slowly they move, but certainly they come,
 As sure as Day before the rising Sun.

M D	W D	Fasts and Festivals.	☉ 8	D's Signs.	D's A	D rises & sets.	Mutual Asp & Weather.
1	B	4 S. a. Ea. St. Phil	10	thighs	19	11 a 35	At the be-
2	M	[& St. Jas	11	knees	20	morn.	ginning a
3	Tu	Inv. of Cross. 4 ret.		hams	21	0 22	☿ elong. max.
4	W	♄ sets 2 32 mo.	13	legs	22	1 3	△ ♀ ♀
5	Th	♃ rises 2 3 mo.	14	ankles	23	1 40	□ ☉ ♀
6	F	Jn. Evan. à P. Lat.	15	feet	24	2 12	few fair days.
7	S	♄ sets 11 43 aft.	16	and	25	2 42	
8	B	5, or Rogat. Sun.	17	toes	26	3 8	△ ♃ ♀
9	M	Easter T. ends	18	head	27	3 35	Showery, &
10	Tu	♀ sets 10 46 aft.	19	face	28	4 3	rather cool.
11	W	♄ sets 9 30 aft.	20	neck	29	4 33	
12	Th	Holy Thursd.	21	throat	N	sets	□ ☉ ♃, * ♀ ♀
13	F	Old May Day	22	arms	1	9 a 30	
14	S		23	should.	2	10 39	♄ stationary.
15	B	S. aft. Ascens.	24	breast	3	11 36	Fair and
16	M	♄ sets 1 46 mo.	25	stom.	4	morn.	□ ☉ ♀
17	Tu	♃ rises 1 19 mo.	26	heart	5	0 22	warm.
18	W	♄ sets 11 28 aft.	27	bowels	6	1 1	♄ stationary.
19	Th	Dunstan	28	belly	7	1 31	
20	F	♀ s. 11 4 aft. 1 ret.		reins	8	1 58	All animat-
21	S	Oxf. T. ends.	II	and	9	2 22	ed nature
22	B	Whit S. Prs. Hom. b.		loins	10	2 44	seems now
23	M	Whit M. Tr. T. beg		Scorpio	11	3 6	to partici-
24	Tu	Whit Tuesday	2	domin.	12	3 29	pate
25	W	Emb. W. Oxf. T. b.	3	hips	13	3 54	
26	Th	Aug. Abp. Cant. Cam. T. d. n.			F	rises	♄ inf. ☉ ♄
27	F	Ven. Bede. 2 ret.	5	and	15	8 a 39	in the genial
28	S	♄ sets 7 36 aft.	6	thighs	16	9 32	influence of
29	B	Trin. S. K. Ch. II.	7	knees	17	10 21	the solar
30	M	[b. & rest.	8	hams	18	11 4	rays.
31	Tu		9	legs	19	11 41	♄ ♀ ♄

The 5 day, at	3 $\frac{3}{4}$	aftern.	Jupiter	} is in δ with the Moon.
The 13 day, at	4 $\frac{1}{4}$	morn.	Mercury	
The 14 day, at	9 $\frac{3}{4}$	morn.	Venus	
The 15 day, at	2 $\frac{1}{4}$	morn.	Mars	
The 18 day, at	1 $\frac{1}{2}$	aftern.	Saturn.	

M	Sun	Sun	Moon	MONTHLY OBSERVATIONS.	
D	rises	sets	South.		
B 4	38	7 22	3 ^m 9	<i>The depth of Rain which fell at Epping, in May 1829, was .595 of an Inch; and at High Wycombe, for the same period, .506 of an Inch.</i>	
2 4	36	7 24	3 57	LAST QUAR. 5d. 3h. 35m. morn.	
3 4	35	7 25	4 46	Rain, more or less, about the 6th, 11th, 15th and 26th of this Month.	
4 4	33	7 27	5 35		
5 4	31	7 29	6 24		
6 4	29	7 31	7 13		
7 4	27	7 33	8 3		
B 4	25	7 35	8 54		
9 4	24	7 36	9 46		
10 4	22	7 38	10 40	<i>come.</i> Who is "the rough goat?" (Dan. viii. 21;) and where is the mor-	
11 4	21	7 39	11 36		
12 4	19	7 41	0 ^a 35	NEW MOON, 12d. 0h. 1m. morn.	
13 4	18	7 42	1 36	tal, whether prince or peasant, that dare attempt to pluck his beard?	
14 4	16	7 44	2 38	Be not drawn aside, Courteous Reader, by any of the new-fangled interpreters of prophecy, concerning the	
B 4	14	7 46	3 38		
16 4	13	7 47	4 36		
17 4	11	7 49	5 31		
18 4	10	7 50	6 22	FIRST QUAR. 18d. 4h. 13m. after.	
19 4	8	7 52	7 10	coming of our Lord to reign on earth, <i>literally</i> with his saints. 'Tis all a hum, as they understand it. They have de-	
20 4	7	7 53	7 56	luded themselves; and then, without meaning harm, they draw aside others. Turn a deaf ear to them, and continue to think soberly on that awful and	
21 4	6	7 54	8 40		
B 4	4	7 56	9 23		
23 4	3	7 57	10 6		
24 4	2	7 58	10 49		
25 4	1	7 59	11 34		
26 4	0	8 0	morn.	FULL MOON, 26d. 4h. 0m. after.	
27 3	59	8 1	0 19	mysterious subject.	
28 3	57	8 3	1 6	When they speak positively about the unfulfilled parts of prophecy, catechize them a bit. Ask them, if they	
B 3	56	8 4	1 53	know	
30 3	55	8 5	2 42		
31 3	54	8 6	3 31		

Now Days grown long by *Sol's* reviving rays,
 Leaves grace the trees, and Light prolongs the days ;
 With virgin beauties, Flora, chaste and fair,
 Pride of the Spring, perfumes the ambient air ;
 And now thro' *Cancer Phœbus* takes his way,
 Contracts the Shades, and lengthens out the Day.

M	W	Fasts and Festivals.	☉	D's Signs.	D's Δ	D rises & sets	Mutual Asp. & Weather.
1	W	<i>Nicomede</i>	10	and	20	morn.	In general
2	Th	<i>Corpus Christi</i>	11	angles	21	0 14	fair at the
3	F		12	feet	22	0 43	
4	S	♃ sets 0 31 mo.	13	toes	23	1 10	beginning.
5	B	1 S. aft. Trin. D. Cumb. b.	14		24	1 35	Δ ☉ ♃
6	M	♃ rct. [Bonif.]	15	face	25	2 1	
7	Tu	♃ rises 11 52 aft	16	neck	26	2 29	
8	W	♃ sets 10 47 aft	17	throat	27	3 0	♃ stationary.
9	Th	♃ sets 11 5 aft	18	arms	28	3 39	Thunder
10	F	♃ r. 3 15 m. 4 rct.	19	should.	N	sets	
11	S	St. Barnabas	20	breast	1	9 a 19	♃ stationary.
12	B	2 Sun. aft. Trin.	21	stom.	2	10 13	showers
13	M	<i>Tr. Term ends.</i>	22	heart	3	10 55	Δ ☉ ♃
14	Tu		23	back	4	11 29	
15	W	♃ sets 11 43 aft.	24	bowels	5	11 57	flying about;
16	Th	♃ rises 11 20 aft.	25	and	6	morn.	the air
17	F	<i>St. Alban</i>	25	belly	7	0 22	
18	S	♃ sets 10 24 aft	26	reins	8	0 45	somewhat
19	B	3 S. aft. Trin.	27	loins	9	1 8	* ☉ ♃
20	M	<i>Trs. Ed. K. W. S</i>	28	Scor-	10	1 30	♃ elong. max.
21	Tu	<i>Longest Day.</i>	29	pio	11	1 54	cool for the
22	W		♃	domin.	12	2 20	season.
23	Th	♃ sets 10 45 aft.	1	hips	13	2 50	♂ ♀ ♃
24	F	Nativ. J. Bapt. Mids. Day	2		14	3 25	
25	S		3	knees	F	rises	Δ fine grow-
26	B	4 Sun. a. Tr. King	4	and	16	9 a 0	
27	M	[Will. IV. acc.]	5	hams	17	9 39	Δ ♃ ♃
28	Tu	K. Will. IV. procl.	6	legs	18	10 12	ing time.
29	W	St. Peter	7	angles	19	10 43	
30	Th	♃ rises 2 31 mo.	8	feet	20	11 10	Thunder.

The 2 day, at	1 $\frac{1}{2}$ morn.	Jupiter	} is in δ with the Moon.
The 9 day, at	1 $\frac{3}{4}$ morn.	Mercury	
The 12 day, at	5 $\frac{1}{3}$ aftern.	Mars	
The 13 day, at	4 $\frac{1}{2}$ morn.	Venus	
The 14 day, at	- -	midnight, Saturn	
The 29 day, at	7 morn.	Jupiter.	

M	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS.
1	3 54	8 6	4 m 19	The depth of Rain which fell at Ep- ping, in June 1829, was 2.676 Inches ;
2	3 53	8 7	5 7	
3	3 52	8 8	5 55	LAST QUAR. 3d. 3h. 20m. after.
4	3 51	8 9	6 44	and at High Wycombe, for the same period, 3.6 Inches.
B 3	50	8 10	7 33	Rain may be looked for about the 9th, 12th, 20th, 24th & 29th of this Month.
6	3 49	8 11	8 24	
7	3 48	8 12	9 18	
8	3 48	8 12	10 14	
9	3 47	8 13	11 13	know for certain what is meant by
10	3 46	8 14	0 a 15	NEW MOON, 10d. 6h. 51m. morn.
11	3 46	8 14	1 17	Antichrist, by the Man of Sin, the Mark of the Beast, the Number of the Beast, by the <i>abyss</i> (falsely trans- lated the bottomless pit,) the 24 elders, the two witnesses, the seals, the vials, or the trumpets? Or, if they know
B 3	45	8 15	2 18	
13	3 45	8 15	3 16	
14	3 44	8 16	4 11	
15	3 44	8 16	5 1	
16	3 44	8 16	5 49	
17	3 44	8 16	6 33	FIRST QUAR. 17d. 4h. om. morn.
18	3 43	8 17	7 17	when the 1260 days begin, or when they end? Whether they are really <i>days</i> , or whether they mean <i>years</i> ? If they acknowledge that they have not attained <i>certainty</i> on these points; and if they have not deceived themselves, they must acknowledge that; then
B			8 0	
20			8 43	
21			9 27	
22			10 12	
23			10 58	
24			11 46	
25			morn.	FULL MOON, 25d. 7h. om. morn.
B 3	43	8 17	0 34	what are their grounds for being so positive that the saints shall rise from their graves, and reign with Christ on earth? I repeat it, 'tis all a hum. You might as well believe that they will all
27	3 44	8 16	1 23	
28	3 44	8 16	2 12	
29	3 44	8 16	3 0	
30	3 45	8 15	3 58	

Longest day at Lond.
is 16h. 34m. 4 sec.
Allowing 9 m. 16 sec.
for refraction.

SEE how the Spheres for ruffling jars are set,
 By Nature's laws, a crowd of Causes met.
 The *when* or *what* in mystic motion lies;
 Thus mighty Bodies from small seeds arise.
 Here's Wrath and Fury lodg'd (not understood)
 To wound the Wicked, and affright the Good.

M	W	Fasts and Festivals.	☉	D's Signs.	D's A	D rises & sets.	Mutual Asp. & Weather.
D	D		☽				
1	F	☿ sets 10 39 aft.	9	toes	21	11 a 34	♂ ♀ ♀
2	S	<i>Visita. B. V. M.</i>	10	head	22	11 59	△ ☿ ♀
3	B	5 S. af. Tr. Dog	11	face	23	morn.	This month
4	M	<i>Tr. St. M.</i> [days b.	12	neck	24	0 23	is likely
5	Tu	<i>Oxf. Act. Ca. Com.</i>	13	throat	25	0 52	* ☿ ♀
6	W	<i>Old Mids. Day</i>	14	arms	26	1 25	to come in
7	Th	<i>Tho. à Becket</i>	15	should.	27	2 6	* ☿ ♀
8	F	<i>Camb. T. ends</i>	16	breast	28	2 54	♂ ♀ ♀
9	S	<i>Oxford T. ends</i>	16	stom.	N	sets	with fair
10	B	6 S. aft. Trin.	17	heart	1	8 a 41	weather,
11	M	♃ rises 9 30 aft.	18	and	2	9 21	♂ ♂ ♀
12	Tu	♂ sets 9 22 aft.	19	back	3	9 54	♀ in perihel.
13	W	♀ sets 9 59 aft.	20	bowels	4	10 21	and which
14	Th	♄ rises 3 13 aft.	21	belly	5	10 46	is expected
15	F	<i>Swithin</i>	22	reins	6	11 9	to continue
16	S		23	loins	7	11 31	so for some
17	B	7 S. aft. Trin.	24	Scor-	8	11 53	days.
18	M	♃ sets 9 33 aft.	25	pio	9	morn.	
19	Tu		26	domin.	10	0 18	♂ sup. ☉ ☿
20	W	<i>Margaret</i>	27	hips	11	0 47	Rather show-
21	Th	♃ rises 8 48 aft.	28	thighs	12	1 20	ery, with thun-
22	F	<i>Magdalene</i>	29	knees	13	1 59	♂ in aphelio.
23	S	♂ sets 8 52 aft.	Ω	and	14	2 45	♂ ♂ ♀
24	B	8 S. aft. Trin.	1	hams	F	rises	der. Again
25	M	<i>St. James Ds.</i>	2	legs	16	8 a 12	♀ in ☿
26	Tu	<i>St. Anne [Cam.b.</i>	3	anles	17	8 44	fair and
27	W	♀ sets 9 23 aft.	4	feet	18	9 11	hot, with
28	Th	♄ sets 8 22 aft.	5	toes	19	9 38	♂ ☿ ♀
29	F		6	head	20	10 2	lightning.
30	S	♃ sets 8 48 aft.	7	and	21	10 28	♀ elong. max.
31	B	9 S. aft. Trin.	7	face	22	10 55	♂ ☿ ♀

The 8 day, at 3 $\frac{3}{4}$ aftern. Mercury	} is in δ with the Moon.
The 11 day, at 9 $\frac{1}{3}$ morn. Mars	
The 12 day, at 1 $\frac{3}{4}$ aftern. Saturn	
The 12 day, at 10 $\frac{3}{4}$ aftern. Venus	
The 26 day, at 8 morn. Jupiter	

M D	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS.
1	3 45	8 15	4m 35	<i>The depth of Rain which fell at Ep- LAST QUAR. 2d. 11h. 40m. aftern. ping, in July 1829, was 4.957 Inches; and at High Wycombe, for the same pe- riod, 4.763 Inches. Rain is expected on the 13th, 21st, 23d, and 24th of this Month.</i>
2	3 45	8 15	5 23	
B 3	3 46	8 14	6 12	
4	3 47	8 13	7 3	
5	3 47	8 13	7 56	
6	3 48	8 12	8 52	
7	3 49	8 11	9 51	
8	3 49	8 11	10 52	
9	3 50	8 10	11 34	
B 3	3 51	8 9	0 a 54	
11	3 52	8 8	1 51	
12	3 53	8 7	2 45	
13	3 54	8 6	3 35	
14	3 55	8 5	4 23	
15	3 56	8 4	5 8	
16	3 57	8 3	5 52	
B 3	3 58	8 2	6 35	
18	3 59	8 1	7 19	
19	4 1	7 59	8 4	
20	4 2	7 58	8 50	FIRST QUAR. 16d. 6h. 3m. aftern. Let me announce to you, that a Comet, yea, the great COMET of Dr. Halley and Sir Isaac Newton, is now rapidly winging its way towards the Earth; and remember the awful re- gard with which these erratic bodies have for ages been held by the ancient
21	4 3	7 57	9 37	
22	4 5	7 55	10 26	
23	4 6	7 54	11 15	
B 4	4 7	7 53	morn.	
25	4 8	7 52	0 4	
26	4 9	7 51	0 54	
27	4 11	7 49	1 42	
28	4 12	7 48	2 30	
29	4 14	7 46	3 19	
30	4 15	7 45	4 7	FULL MOON, 24d. 9h. 5m. aftern. Philosophers, as precursors of the most direful events. Though the Comet here alluded to is not expected to ap- pear as yet, nevertheless, in an astro- logical sense, its effects are beginning to be felt.
B 4	4 17	7 43	4 56	

When

THE lovely Fields, that late were green and gay,
 Grow fading now by *Sol's* refulgent ray;
 So when we're past our Life's meridian line,
 Beauty steals off, and Strength it will decline:
 No way to ward off Age, by arms or art;
 It will steal on; when on, 'twill not depart.

M	W	Fasts and Festivals.	☉	D's	D's	D rises	Mutual Asp. & Weather.
D	D		Ω	Signs.	A	& sets.	
1	M	<i>Lammas Day</i>	8	neck	23	11 a 24	Rain, with
2	Tu	♂ sets 8 38 aft.	9	throat	24	morn.	
3	W	♂ rises 7 56 aft.	10	arms	25	0 1	lightning,
4	Th	♂ sets 8 20 aft.	11	should.	26	0 44	
5	F	♀ sets 8 54 aft.	12	breast	27	1 36	♂ ♀ ♂; ♂ ☉ ♀
6	S	<i>Transfiguration</i>	13	stom.	28	2 37	and thunder
7	B	<i>10 S. a. Tr. Name</i>	14	heart	N	sets	♂ ♀ ♀
8	M	[<i>of Jesus</i>	15	back	1	7 a 51	at intervals
9	Tu	♂ sets 8 12 aft.	16	bowels	2	8 21	
10	W	<i>St. Lawrence</i>	17	belly	3	8 47	♂ ☉ ♀
11	Th	Dog days end	18	reins	4	9 11	About this
12	F	[<i>Lam. D.</i>	19	and	5	9 35	♂ ♂ ♀
13	S	<i>Qu. Adelaide b. Old</i>	20	loins	6	9 58	time fair
14	B	<i>11 S. aft. Trin.</i>	21	Scorp.	7	10 22	and hot.
15	M	<i>Assumption</i>	22	domin.	8	10 49	
16	Tu		23	hips	9	11 22	
17	W	<i>Ds. of Kent. b.</i>	24	and	10	11 59	
18	Th	♂ sets 7 40 aft.	25	thighs	11	morn.	
19	F	♂ sets 4 2 mo.	26	knees	12	0 42	Towards
20	S	♂ sets 7 37 aft.	27	hams	13	1 31	the latter
21	B	<i>12 S. a. Tr. King</i>	28	legs	14	2 27	part of the
22	M	[<i>Will. IV. b.</i>	29	ances	15	3 30	♂ ♀ ♀
23	Tu		m	feet	F	rises	month
24	W	<i>St. Bartholomew</i>	1	and	17	7 a 44	
25	Th	♀ sets 7 48 aft.	2	toes	18	8 11	♀ in apheho.
26	F	♂ sets 7 34 aft.	2	head	19	8 37	frequent
27	S		3	face	20	9 4	♀ in ap. ♂ ♀ ♀
28	B	<i>13 S. af. Tr. St. Aug.</i>	4	neck	21	9 34	electrical
29	M	<i>St. Jo. Bapt. bch.</i>	5	throat	22	10 8	♂ ☉ ♀
30	Tu		6	arms	23	10 47	showers.
31	W		7	should	24	11 32	♀ elong. max.

The 9 day, at 2 $\frac{1}{3}$ morn.	Mars	} is in ζ with the Moon.
The 9 day, at 5 $\frac{1}{2}$ morn.	Saturn	
The 9 day, at 9 $\frac{3}{4}$ morn.	Mercury	
The 11 day, at - - noon.	Venus	
The 22 day, at 8 $\frac{3}{4}$ morn.	Jupiter	

M D	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS.	
1	4 18	7 42	5 m 48	LAST QUAR. 1d. 5h. 42m. morn.	
2	4 20	7 40	6 41	<i>The depth of Rain which fell at Epping, in August 1829, was 6.827 Inches! and at High Wycombe, for the same period, 4.681 Inches. A monthly fall of Rain at Epping, amounting to nearly</i>	
3	4 21	7 39	7 38		
4	4 23	7 37	8 36		
5	4 25	7 35	9 36		
6	4 26	7 34	10 37	NEW MOON, 7d. 10h. 3m. aftern.	
B 4	28 7	32 11	34		
8	4 30	7 30	0 a 31	<i>7 Inches, is unprecedentedly great for that place.</i>	
9	4 31	7 29	1 24		
10	4 33	7 27	2 13	Rain about the 1st, 5th, 7th, 10th, 21st, and 27th days of this Month.	
11	4 35	7 25	3 1		
12	4 37	7 23	3 46	When fiery COMETS o'er these Nations	
13	4 38	7 22	4 31		
B 4	40 7	20 5	15		
15	4 42	7 18	6 0		FIRST QU. 15d. 10h. 24m. morn.
16	4 44	7 16	6 46		rise, [skies; And splendid Lightnings gild the upper
17	4 45	7 15	7 33		
18	4 47	7 13	8 21		When round their vortex they in fury
19	4 49	7 11	9 10		roll, [soul;
20	4 51	7 9	10 0		They fright with dire alarm each guilty
B 4	53 7	7 10	50		As omens certain of a labouring state,
22	4 55	7 5	11 40		Of bloody Battles, and a hostile Fate,
23	4 56	7 4	morn.		FULL MOON, 23d. 10h. 6m. morn.
24	4 58	7 2	0 30	They shake with dreadful awe the pond'- rous mass, [order was.	
25	5 0	7 0	1 19		
26	5 2	6 58	2 8	And desolation make, where once bless'd	
27	5 4	6 56	2 59	The opposition of the Sun and Jupiter	
B 5	6 6	6 54	3 50		
29	5 8	6 52	4 43	LAST QU. 30d. 10h. 48m. morn.	
30	5 9	6 51	5 38		
31	5 11	6 49	6 34		

18 SEPTEMBER XXX Days.

Now comes the Time when *Libra* justly weighs,
 And makes the Nights just equal with the Days;
 Here *Phœbus* stops, and gently doth decline,
 To reassume the Equinoctial Line:
 The Days contract, the lengthen'd Shadows fly,
 The trembling Leaves forsake the Trees, and die.

M	W	Fasts and Festivals	☉	D's Signs.	D's A	D rises & sets	Mutual Asp. & Weather.
D	D		☿				
1	Th	<i>Giles</i>	8	breast	25	morn.	Changeable
2	F	Lond. burnt 1666	9	stom.	26	0 32	weather,
3	S	☿ rises 4 46 mo	10	heart	27	1 36	though we
4	B	14 S. aft. Trin.	11	back	28	2 47	may expect
5	M	<i>Old Bartholomew</i>	12	bowels	29	3 59	some fair
6	Tu	☿ sets 2 43 mo.	13	and	N	sets	intervals.
7	W	<i>Emurchus</i>	14	belly	1	7 a 19	Δ ☿ ♀
8	Th	<i>Nativity B.V.M.</i>	15	reins	2	7 47	
9	F	♂ sets 6 45 aft.	16	loins	3	8 9	
10	S	♀ sets 6 47 aft.	17	Scorpio	4	8 31	
11	B	15 S. aft. Trin.	18	domin.	5	8 58	
12	M	♂ sets 6 40 aft.	19	hips	6	9 27	
13	Tu		20	and	7	10 2	♀ stationary.
14	W	<i>Holy Cross</i>	21	thighs	8	10 43	Windy or
15	Th		22	knees	9	11 29	wet.
16	F		23	hams	10	morn	♀ stationary.
17	S	<i>Lambert</i>	24	legs	11	0 23	
18	B	16 S. aft. Tr. Geo.	25	and	12	1 25	
19	M	[I. & II. land	26	ankles	13	2 29	Towards
20	Tu		27	feet	14	3 39	the latter
21	W	<i>St. Matt. Emb. W</i>	28	toes	F	rises	part of the
22	Th	☿ rises 3 52 mo.	29	head	16	6 a 48	
23	F	☿ sets 1 35 mo.	☿	face	17	7 15	
24	S	♂ sets 6 8 aft.	1	neck	18	7 43	♂ ☉ ♂
25	B	17 S. aft. Trin.	2	throat	19	8 16	month fine
26	M	<i>St. Cyprian. Old</i>	3	arms	20	8 55	♂ inf. ☉ ☿
27	Tu	[<i>Holy Rood</i>	4	should.	21	9 40	♂ ☿ ♂
28	W	♀ sets 5 27 aft.	5	breast	22	10 35	autumnal
29	Th	<i>St. Michael</i>	6	stom.	23	11 37	weather.
30	F	<i>St. Jerome</i>	7	heart	24	morn.	

The 5 day, at 8 $\frac{1}{2}$ aftern.	Saturn	} is in δ with the Moon.
The 6 day, at 8 aftern.	Mars	
The 8 day, at 10 $\frac{1}{3}$ morn.	Mercury	
The 9 day, at 6 $\frac{3}{4}$ morn.	Venus	
The 18 day, at 0 $\frac{2}{3}$ aftern.	Jupiter	

M D	Sun rises	Sun set.	Moon South.	MONTHLY OBSERVATIONS
1	5 13	6 47	7 ^m 32	<i>The depth of Rain which fell at Epping, in September 1829, was 4.228 Inches; and at High Wycombe, for the same period, 4.481 Inches.</i>
2	5 15	6 45	8 32	
3	5 17	6 43	9 30	Rain, more or less, may be expected
B 5	19	6 41	10 26	
5	5 21	6 39	11 19	NEW MOON, 6d. 8h. 33m. morn.
6	5 23	6 37	0 a 10	
7	5 24	6 36	0 59	on the 2d, 9th, 15th, 18th, and 26th of this Month.
8	5 26	6 34	1 45	
9	5 28	6 32	2 30	<i>Jupiter stirreth up wranglings and contentions, especially about religious affairs. These, I suspect, will run high. It also threatens removes or</i>
10	5 30	6 30	3 16	
B 5	32	6 28	4 1	FIRST QU. 14d. 4h. 42m. mora.
12	5 34	6 26	4 47	
13	5 36	6 24	5 34	disgrace to some person or persons in holy orders, or high in the Canon Law.
14	5 38	6 22	6 21	
15	5 40	6 20	7 10	This and the preceding month are likely to be productive of some remarkable incidences; for here are
16	5 42	6 18	7 59	
17	5 44	6 16	8 49	FULL MOON, 21d. 9h. 56m. aftern.
B 5	46	6 14	9 39	
19	5 48	6 12	10 29	conjunctions of ♀ and ♂ , ♀ and ♃ , ♂ and ♃ , ♁ and ♃ , ♁ and ♄ , ♁ and ♀ , and again ♀ and ♄ .
20	5 50	6 10	11 19	
21	5 52	6 8	morn.	Indeed, here looks like something of a persecuting spirit, in which the
22	5 54	6 6	0 10	
23	5 56	6 4	1 0	LAST QUAR. 28d. 4h. 28m. aftern.
24	5 58	6 2	1 52	
B 6	06	0 2	46	populace
26	6 25	5 58	3 42	
27	6 45	5 56	4 39	
28	6 65	5 54	5 37	
29	6 85	5 52	6 36	
30	6 105	5 50	7 33	

THERE'S an approaching Storm, which in its course
 Takes in each Cloud that can assist its force:
 By Nature arm'd, arm'd till it wants no more,
 In its due time it breaks and shows its pow'r:
 Empires, prepare! here's struggling Times to come,
 You that have thriving Stars may hold your own.

M	W	Fasts and Festivals.	☉	D's Signs.	D's	D rises & sets.	Mutual Asp. & Weather
D	D		☽		☽		
1	S	<i>Remigius</i>	8	and	25	0m 43	Fair and
2	B	18 S. af. Trin.	9	back	26	1 56	pleasant for
3	M	♄ rises 3 19 mo	10	bowels	27	3 7	the season.
4	Tu	♃ sets 0 53 mo	10	belly	28	4 19	△ ☉ ♃
5	W	♂ rises 5 57 mo.	11	reins	N	sets	♄ stationary.
6	Th	<i>Faith</i>	12	loins	1	6 a 20	Charming
7	F	♀ rises 6 55 mo.	13	Scor-	2	6 42	△ ☉ ♃
8	S	♄ rises 4 47 mo.	14	pio	3	7 7	♂ inf. ☉ ♀
9	B	19 S. af. Tr. St. Denys	domin.		4	7 36	△ ♂ ♃
10	M	<i>Oxf. & Cam. T. b.</i>	16	hips	5	8 8	♃ stationary.
11	Tu	<i>Old Mich. day</i>	17	thighs	6	8 45	△ ♃ ♀
12	W		18	knees	7	9 30	♄ elong. max
13	Th	<i>Trs. K. Edw. Conf.</i>	19	and	8	10 21	♂ ♂ ♀, △ ♃ ☉
14	F		20	hams	9	11 18	△ ♀ ♃
15	S		21	legs	10	morn.	October wea-
16	B	20 S. aft. Trin.	22	anceles	11	0 18	ther, even to
17	M	<i>Etheldreda</i>	23	feet	12	1 25	the present
18	Tu	St. Luke	24	toes	13	2 36	time.
19	W	♄ rises 2 30 mo.	25	head	14	3 52	△ ♄ ♀
20	Th	♃ sets 11 51 aft.	26	and	15	5 8	Now some
21	F	♂ rises 5 58 mo.	27	face	F	rises	♃ sta. △ ♄ ♃
22	S	♀ rises 5 11 mo	28	neck	17	6 a 20	showers.
23	B	21 S. aft. Trin.	29	throat	18	6 57	
24	M		30	arms	19	7 41	
25	Tu	<i>Crispin</i>	1	should.	20	8 32	
26	W	♄ rises 5 48 mo.	2	breast	21	9 32	♂ ♄ ♂
27	Th		3	stom.	22	10 40	Fair, but
28	F	St. Sim. & St. Jude	4	heart	23	11 50	cool at the
29	S		5	back	24	morn.	end.
30	B	22 S. aft. Trin.	6	bowels	25	1 3	
31	M	<i>Mich. T. 1 ret.</i>	7	belly	26	2 11	

The 3 day, at 10	morn. Saturn	} is in ♄ with the Moon.
The 4 day, at 5 $\frac{2}{3}$	aftern. Mercury	
The 5 day, at 2 $\frac{1}{3}$	aftern. Mars	
The 6 day, at 5	morn. Venus	
The 15 day, at 8 $\frac{2}{3}$	aftern. Jupiter	
The 30 day, at 9 $\frac{1}{4}$	aftern. Saturn	

M	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS
1	6 12	5 48	8 m 29	<i>The depth of Rain which fell at Epping, in October 1829, was 2·079 Inches; and at High Wycombe, for the same period, 2·038 Inches.</i>
B 6	14 5	4 46	9 22	
3	6 16	5 44	10 12	NEW MOON, 5d. 9h. 44m. aftern.
4	6 17	5 43	11 1	
5	6 19	5 41	11 48	Rain is expected on the 12th, 19th, 21st, and 26th days of this Month.
6	6 21	5 39	0 a 33	
7	6 23	5 37	1 19	populace of some countries may be drawn in to take a very active part; and I fear that some great and emi-
8	6 25	5 35	2 4	
B 6	27 5	3 33	2 49	FIRST QU. 13d. 12h. 0m. night.
10	6 29	5 31	3 36	
11	6 31	5 29	4 23	nent persons will suffer. But though folly may bluster, truth will prevail.
12	6 33	5 27	5 11	
13	6 35	5 25	6 0	These trying times, and the grasping hand of some Ecclesiastics, are causes likely to accelerate an inquiry into the system of Tithes. Let them, who care more for the fleece than for
14	6 37	5 23	6 49	
15	6 39	5 21	7 37	FULL MOON, 21d. 8h 45m. morn.
B 6	41 5	19 8	8 26	
17	6 42	5 18	9 15	the flock, beware; and let the humble, faithful pastor, go on his way rejoicing. The time will come when all oppressors and evil doers will be filled with dismay; and He who avengeth the
18	6 44	5 16	10 5	
19	6 46	5 14	10 56	LAST QUAR. 28d. 0h. 2m. morn.
20	6 48	5 12	11 48	
21	6 50	5 10	morn.	Poor, shall "make them drunk with the wine of astonishment."
22	6 52	5 8	0 42	
B 6	54 5	6 1	1 38	But,
24	6 56	5 4	2 36	
25	6 58	5 2	3 36	
26	7 0	5 0	4 36	
27	7 2	4 58	5 35	
28	7 4	4 56	6 31	
29	7 6	4 54	7 25	
B 7	8 4	5 2	8 15	
31	7 9	4 51	9 3	

22 NOVEMBER XXX Days.

As a kind Lady, when her Lover's gone,
 Falls sick, and sighs, and languishes alone;
 So the Old Year, just ready to expire,
 Grows faint and cold for want of solar fire;
 Wrapt up in sheets of Snow, at first she lies
 Bedrid with Frost, then, chok'd with Moisture, dies.

M D	W D	Fasts and Festivals.	☉ ♏	D's Signs.	D's Λ	D rises & sets	Mutual Asp. & Weather.
1	Tu	All Saints	8	reins	27	3m 22	Dull, yet
2	W	All Souls. Mich. T. beg.			28	4 29	mild for the
3	Th	Prs. Sophia b.	10	loins	29	5 38	☐ ☉ ♀
4	F	K. Will. landed	11	Scorpio	N	sets	season.
5	S	Gunpowder Plot	12	domin.	1	5 a 39	
6	B	23 S. a. Tr. Leon.	13	hips	2	6 10	* ☉ ♀
7	M	Mich. T. 2 ret.	14	and	3	6 44	☐ ☉ ♀
8	Tu	Prs. Aug. Soph. b.	15	thighs	4	7 24	☐ ♀ ♀
9	W	Ld. Mayor's Day	16	knees	5	8 11	* ♀ ♀; ☐ ♀ ♀
10	Th	♀ sets 10 37 aft.	17	hams	6	9 6	
11	F	St. Martin	18	legs	7	10 4	♀ in ☉
12	S	Camb. T. div. m.	19	and	8	11 8	In general
13	B	24 S. a. Tr. Brit.	20	ances	9	morn.	♀ ecl. by ☉
14	M	♂ rises 5 56 mo.	21	feet	10	0 16	♀ in Ω, Δ ♀ ♀
15	Tu	Machutus	22	toes	11	1 26	
16	W	♀ r. 3 41 m. 3 ret.	23	head	12	2 40	fair, with
17	Th	Hugh, Bp. Linc.	24	face	13	3 58	some frosty
18	F	Qu. Eliz. Acc.	25	neck	14	5 17	mornings.
19	S	♀ rises 4 23 aft.	26	throat	F	rises	
20	B	25 S. a. Tr. Edm.	27	arms	16	5 a 29	
21	M	4 ret. [K. & Mart.	28	should.	17	6 17	♀ in aphelio.
22	Tu	Cecilia	29	breast	18	7 14	Δ ♀ ♀
23	W	Clem. Old Mart.	♯	stom.	19	8 23	☐ ♂ ♀
24	Th	♂ rises 0 25 mo.	1	heart	20	9 34	
25	F	Cath. Mich T. ends	2	back	21	10 47	Blustering
26	S	♀ sets 9 44 aft.	3	bowels	22	11 59	winds, and
27	B	Advent Sunday	4	belly	23	morn.	
28	M		5	reins	24	1 10	* ♀ ♂
29	Tu	♀ rises 3 34 mo.	6	and	25	2 17	driving rain
30	W	St. Andrew	7	loins	26	3 23	or snow.

The 1 day, at 6 $\frac{3}{4}$ aftern.	Venus	} is in δ with the Moon.
The 3 day, at 9 $\frac{1}{2}$ morn.	Mars	
The 4 day, at 1 $\frac{1}{2}$ morn.	Mercury	
The 12 day, at 8 $\frac{1}{3}$ morn.	Jupiter	
The 27 day, at 6 $\frac{1}{2}$ morn.	Saturn	
The 30 day, at 5 $\frac{1}{2}$ morn.	Venus	

M D	Sun rises	Sun sets	Moon South.	MONTHLY OBSERVATIONS.
1	7 11	4 49	9 m 49	<p><i>The depth of Rain which fell at Epping, in Nov. 1829, was 1.227 Inch; and at High Wycombe, for the same</i></p> <p>NEW MOON, 4d. 1h. 38m. aftern.</p> <p><i>period, 1.55 Inch.</i></p> <p>Rain, and perhaps some Snow, about the 1st, 7th, 13th, 24th, and 30th of this Month.</p>
2	7 13	4 47	10 34	
3	7 15	4 45	11 19	
4	7 16	4 44	0 a 3	
5	7 18	4 42	0 48	
B 7	7 20	4 40	1 34	
7	7 22	4 38	2 21	
8	7 23	4 37	3 8	
9	7 25	4 35	3 55	
10	7 27	4 33	4 43	
11	7 28	4 32	5 31	<p>But, though "the stars in their</p> <p>FIRST QU. 12d. 6h. 46m. aftern.</p> <p>courses fought against Sisera," none of them are armed against an honest, upright man. Whatever planet dominates, he may sleep securely.</p> <p>Venus and Υ combine for Peace; and may their friendly rays be the</p> <p>FULL MOON, 19d. 6h. 57m. aftern.</p> <p>cause of promoting the welfare and happiness of mankind, by reconciliation, and removing the causes of sorrow, grief, and the complaints of the People! Celestial benedictions will crown the endeavours of those honest</p> <p>LAST QUAR. 26d. 10h. 28m. morn.</p> <p>hearts that in sincerity labour for peace and truth, and let every true Englishman say Amen:—but, <i>Malim inquietam libertatem quam quietum servitium.</i></p>
12	7 30	4 30	6 19	
B 7	7 31	4 29	7 6	
14	7 33	4 27	7 54	
15	7 35	4 25	8 42	
16	7 36	4 24	9 32	
17	7 38	4 22	10 24	
18	7 39	4 21	11 19	
19	7 40	4 20	morn.	
B 7	7 42	4 18	0 17	
21	7 44	4 16	1 18	
22	7 45	4 15	2 20	
23	7 47	4 13	3 21	
24	7 48	4 12	4 20	
25	7 49	4 11	5 17	
26	7 51	4 9	6 9	
B 7	7 52	4 8	6 58	
28	7 53	4 7	7 44	
29	7 54	4 6	8 29	
30	7 55	4 5	9 13	

24 DECEMBER XXXI Days.

THE Year's run out, and doth itself renew ;
 But Man's the same, acts as he us'd to do :
 With Beasts of Prey, the Lion, Wolf, and Bear,
 His brutish Nature and his Passions share :
 He blames the Creature, yet turns brute for Pelf,
 All he condemns in them, he doth himself.

M	W	Fasts and Festivals.	☉	D's	D's	D rises	Mutual Asp. & Weather.
D	D		†	Signs.	A	& sets.	
1	Th	♃ rises 11 52 aft.	9	Scorpio	27	4 m 29	The aspects
2	F	♃ sets 9 22 aft.	10	domin.	28	5 35	☐ ♃ ♂
3	S	♂ rises 5 47 mo.	11	hips	29	6 36	* ☉ ☿
4	B	2 S. in Advent	12	and	N	sets	seem to
5	M		13	thighs	1	5 a 16	indicate
6	Tu	<i>Nicholas</i>	14	knees	2	5 59	
7	W	♀ rises 3 36 mo.	15	hams	3	6 51	☐ ☉ ♃ ; * ♃ ♀
8	Th	<i>Concept. B. V. M.</i>	16	legs	4	7 48	cold rain,
9	F	♃ sets 4 37 aft.	17	and	5	8 49	
10	S		18	ankles	6	9 52	or snow.
11	B	3 S. in Advent	19	feet	7	10 59	* ☉ ♃
12	M		20	toes	8	morn.	Strong
13	Tu	<i>Lucy</i>	21	head	9	0 9	
14	W	Ember Week	22	face	10	1 21	winds, with
15	Th	♃ rises 10 54 aft.	23	neck	11	2 36	frequent
16	F	<i>Cam. T. e. O Sap.</i>	24	throat	12	3 57	
17	S	<i>Oxford Term ends</i>	25	arms	13	5 18	downfall.
18	B	4 S. in Advent	26	should.	14	6 35	♀ elong. max.
19	M	♃ sets 8 25 aft.	27	breast	F	rises	Δ ♃ ♃
20	Tu	♂ rises 5 40 mo.	28	stom.	16	5 a 46	Rain or
21	W	St. Thomas	29	heart	17	6 57	☐ ♀ ☿
22	Th	[<i>Shortest Day</i>]	30	and	18	8 14	snow, and fre-
23	F	♀ rises 3 52 mo.	1	back	19	9 30	quently both.
24	S	♃ sets 5 19 aft.	2	bowels	20	10 44	♃ sta. Δ ♀ ♃
25	B	Christmas Day	3	belly	21	11 54	♃ elong. max.
26	M	St. Stephen	4	reins	22	morn.	The year
27	Tu	St. John	5	loins	23	1 2	makes its exit
28	W	Innocents	6	Scor-	24	2 7	with frosty
29	Th		7	pio	25	3 13	☐ ♀ ♃
30	F		8	domin.	26	4 17	weather.
31	S	<i>Silvester</i>	9	hips	27	5 18	♃ in ☉

The 2 day, at $5\frac{3}{4}$ morn. Mars
 The 5 day, at $10\frac{1}{2}$ morn. Mercury
 The 9 day, at $10\frac{3}{4}$ aftern. Jupiter
 The 24 day, at $2\frac{1}{2}$ aftern. Saturn
 The 29 day, at $7\frac{5}{8}$ aftern. Venus
 The 31 day, at $3\frac{3}{4}$ morn. Mars

} is in σ
 with the
 Moon.

M	Sun rises	Sun sets	Moon South
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MONTHLY OBSERVATIONS.

1	7 56	4 4	9m.56
2	7 57	4 3	10 40
3	7 58	4 2	11 25
B 7	59	4 1	0 a.11
5	8 0	4 0	0 57
6	8 1	3 59	1 45
7	8 2	3 58	2 33
8	8 3	3 57	3 20
9	8 3	3 57	4 6
10	8 4	3 56	4 53
B 8	4 3	56	5 38
12	8 5	3 55	6 25
13	8 5	3 55	7 12
14	8 6	3 54	8 1
15	8 6	3 54	8 52
16	8 7	3 53	9 46
17	8 7	3 53	10 45
B 8	7 3	53	11 47
19	8 8	3 52	morn.
20			0 49
21			1 52
22			2 52
23			3 48
24			4 40
B 8	8 3	52	5 29
26	8 7	3 53	6 15
27	8 7	3 53	6 59
28	8 7	3 53	7 42
29	8 7	3 53	8 29
30	8 6	3 54	9 10
31	8 6	3 54	9 55

The depth of Rain which fell at Epping, in Dec. 1829, was .351 of an Inch;

NEW MOON, 4d. 7h. 48m. morn.

and at High Wycombe, for the same period, .331 of an Inch.

Rain, and snow at intervals, about the 2d, 8th, 14th, 21st, and 29th days of this Month.

FIRST QU. 12d. 11h. 22m. morn.

It appears from the preceding depths of Rain for 1829, that there fell at *Epping*, in that year, 30.14 inches; and at *High Wycombe*, 29.418 inches.

If the above be divided into quarterly periods, we shall find that in the

FULL MOON, 19d. 5h. 11m. morn.

Winter quarter, or first three months, there fell at the former place 2.338 inches, in the Spring quarter 8.133, in the Summer quarter 16.012! and in the Autumn quarter 3.657 inches: again, at the latter place 3.075, 8.563,

LAST QUAR. 26d. 0h. 11m. morn.

13.925, and 3.919 inches respectively. Hence the unfavourable season for Hay time and Harvest.

My Readers will find the advantage of preserving and comparing these memoranda from year to year.

The Dominion of the Moon
in Man's Body, *passing*
under the Twelve Zodiacal
Constellations.

♈ Aries Head and Face
♉ Taurus Neck and Throat
♊ Gemini Arms and Shoulders
♋ Cancer Breast and Stomach
♌ Leo Heart and Back
♍ Virgo Bowels and Belly
♎ Libra Reins and Loins
♏ Scorpio Secret Members
♐ Sagittarius Hips and Thighs
♑ Capricorn Knees and Hams
♒ Aquarius Legs and Ancles
♓ Pisces Feet and Toes.

Names and Characters of the PLANETS
With *Dragon's Head* & *Dragon's Tail*.

☉, or, the SUN.

♄ Saturn. ♃ Jupiter. ♂ Mars.
♀ Venus. ☿ Mercury. ☾ the Moon.
♁ Dragon's Head. ☿ Dragon's Tail

PLANETS discovered since 1780.

♅ Uranus. ♃ Ceres.
♀ Pallas ♃ Juno. ♁ Vesta.

The Characters of the ASPECTS.

♋ Conjunction. * Sextile.
♌ Opposition.
♍ Trine. □ Quartile.

TABLE of TERMS and RETURNS for the Year 1831.

HILARY TERM *begins* Jan. 11; *ends* Jan 31; and *contains* 21 days.

ESSOIGN, OR GENERAL RETURN DAYS.

	Ex	Re	Ap	W. D.	
The fourth day before the day of commencement of Term - - -	Jan. 8	9	10	11	Tuesday.
The fifth day of the Term - - -	15	16	17	18	Tuesday.
The fifteenth day of the Term - - -	25	26	27	28	Friday.
The nineteenth day of the Term - - -	29	30	31		

EASTER TERM *begins* April 15; *ends* May 9; and *contains* 25 days.

The fourth day before the day of commencement of Term - - -	April 12	13	14	15	Friday.
The fifth day of the Term - - -	19	20	21	22	Friday.
The fifteenth day of the Term - - -	29	30	M 1	2	Monday.
The nineteenth day of the Term - - -	May 3	4	5	6	Friday.

TRINITY TERM *begins* May 23; *ends* June 13; and *contains* 22 days.

The fourth day before the day of commencement of Term - - -	May 20	21	22	23	Monday.
The fifth day of the Term - - -	27	28	29	30	Monday.
The fifteenth day of the Term - - -	June 6	7	8	9	Thursday.
The nineteenth day of the Term - - -	10	11	12	13	Monday.

MICHAELMAS TERM *begins* Nov. 2; *ends* Nov. 25; and *contains* 24 days.

The third day before the day of commencement of Term, the fourth day falling on a Sunday - - -	Oct 31	N 1	2	3	Thursday
The sixth day of the Term, the fifth falling on a Sunday - - -	Nov 7	8	9	10	Thursday
The fifteenth day of the Term - - -	16	17	18	19	Saturday.
The twentieth day of the Term, the nineteenth falling on a Sunday - - -	21	22	23	24	Thursday.

* * In the above Table the Terms and Returns are calculated according to what seems to be the meaning of the late Act 1 Will. IV. c. 70. s. 6. It should be observed, however, that a blank is left for the appearance day of the fourth General Return of Hilary Term, which consisting only of twenty-one days, has no *quarto die post* after that return. It should also be observed, that in the construction of the Act it is doubtful whether *Easter Term* ends on the eighth or ninth day of May: and also whether *Trinity Term* begins on the twenty-second or the twenty-third of that month, and ends on the twelfth or thirteenth of June. The *Essoigns*, &c. therefore of those Terms, as stated in the table, must be understood as subject to the abovementioned doubt.

COMMON NOTES for the Year 1831.

Lunar Cycle, or Golden Number - 8	Lent begins - - - - -	Feb. 16
Epact - - - - - 17	EASTER DAY - - - - -	April 3
Dominical Letter - - - - - B	Rogation Sunday - - - - -	May 8
Cycle of the Sun - - - - - 20	Ascension Day - - - - -	May 19
EPIPHANY - - - - - Jan. 6	WHIT SUNDAY - - - - -	May 22
Sundays after Epiphany - (three)	TRINITY SUNDAY - - - - -	May 29
Number of Direction - - - 13	Sundays aft. Trin. - - - - -	(twenty-five)
SEPTUAGESIMA Sunday - Jan. 30	ADVENT SUNDAY - - - - -	Nov. 27

TABLE of AMOUNTS of L.1, L.1. 10., L.2, L.2. 10., and L.5. deposited Half-yearly, to accumulate at 3 per Cent, Compound Interest, from Birth or intervening Ages, until 21 Years of Age, or 14 Years of Age, respectively.

From Birth		L. 1.		L.1. 10.		L.2.		L.2. 10.		L.5.	
No 21	To 14	Half-yearly.		Half yearly		Half yearly		Half yearly		Half yearly	
		L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.	L. s. d.
0		57 18 5	86 17 8	115 16 11	144 16 1	289 12 3					
1		54 5 4	81 8 0	108 10 8	135 13 4	271 6 9					
2		50 14 5	76 1 7	101 8 9	126 16 0	253 11 11					
3		47 5 6	70 18 3	94 11 0	118 3 9	236 7 6					
4		43 18 8	65 18 0	87 17 4	109 16 8	219 13 3					
5		40 13 9	61 0 8	81 7 6	101 14 5	203 8 10					
6		37 10 9	56 6 2	75 1 6	93 16 11	187 13 10					
7		34 9 8	51 14 5	68 19 3	86 4 1	172 8 1					
8		31 10 3	47 5 5	63 0 7	78 15 8	157 11 4					
9		28 12 8	42 19 0	57 5 4	71 11 8	143 3 4					
10		25 16 9	38 15 1	51 13 6	64 11 10	129 3 9					
11		23 2 6	34 13 8	46 4 11	57 16 1	115 12 2					
12		20 9 9	30 14 8	40 19 7	51 4 6	102 8 11					
13		17 18 7	26 17 11	35 17 2	44 16 6	89 13 0					
14		15 9 0	23 3 6	30 18 0	38 12 6	77 5 1					
16		10 14 0	16 1 1	21 8 1	26 15 1	53 10 3					
18		6 5 11	9 8 11	12 11 10	15 14 10	31 9 8					

These columns will serve to compute the amount of money lodged in Saving Banks, where the interest is now about 3 per cent, and the a cumulation half-yearly. The amount is not subject to the contingency of life, but belongs to the depositor, if the child die before 14, or 21, the age at which it is intended to draw out the money.

Example 1. Suppose a father begins to deposit 1s. per week, or 26s. per half year, when his child is 2 years old. to what will it amount when the child is 21? Opposite the age 2, in col. 1, stands L.50. 14. 5. under L.1 half-yearly.

Hence, to - L.50 14 5
 Add its fourth 12 13 7, because 5s.=one-fourth of 1l.
 And one-fifth of this 2 10 9 because 1s.=one-fifth of 5s.
 The sum - L.65 18 9. is the amount required.

Example 2. How much must be deposited half-yearly for three children, o 2, 7, and 12 years of age respectively, that each may have L.200 on becoming 21 years old? L.1 deposited half-yearly from 2 years old, will produce L.50. 14 5. The same from 7 years, will produce L.34 9 8. The same from 12 years, L.20 9. 9. Therefore, as L.50. 14 5. : L.200 :: L.1 : L.3. 18. 10 half-yearly deposit for child two years old.

As L.34. 9. 8. : L.200 :: L.1. : L.5. 14. half-yearly deposit for child 7 years old.

As L.20. 9. 9. : L.200 :: L.1 :: L.9. 15 3. half-yearly deposit for child 12 years old.

Sums actually deposited. { L.3. 18. 10. x 38 = L.149. 15. 8. in 19 years.
 { L.5. 14. 0. x 28 = L.159. 12. 0. in 14 years.
 { L.9 15. 3. x 18 = L.175. 14. 6. in 9 years.

Thus clearly showing the advantage of beginning ear y.

KINGS and QUEENS, from the CONQUEST.

KINGS Names.	Began their Reign.	Reigned Y. M. D.	Since their Reign.	Buried at
W. Conq.	1066 Oct. 14	20 10 26	744 Sept. 9	Caen, Norm.
W. Rufus	1087 Sept. 9	12 10 24	731 Aug. 2	Winchester
Henry I	1100 Aug. 2	35 3 29	696 Dec. 1	Reading
Stephen	1135 Dec. 1	18 10 24	677 Oct. 25	Feversham

THE SAXON LINE RESTORED:

Henry II	1154 Oct. 25	34 8 11	642 July 6	Fontevrault
Richard I	1189 July 6	9 9 0	632 April 6	Fontevrault*
John	1199 April 6	17 6 13	615 Oct. 19	Worcester
Henry III	1216 Oct. 19	56 0 28	559 Nov. 16	Westminst.
Edward I	1272 Nov. 16	34 7 21	524 July 7	Westminst.
Edward II	1307 July 7	19 6 18	504 Jan. 25	Gloucester
Edward III	1327 Jan. 25	50 4 27	454 June 21	Westminst.
Richard II	1377 June 21	22 3 8	432 Sept. 29	Westminst.

THE LINE OF LANCASTER:

Henry IV	1399 Sept. 29	13 5 20	418 Mar. 20	Canterbury
Henry V	1413 Mar. 20	9 5 11	409 Aug. 31	Westminst.
Henry VI	1422 Aug. 31	38 6 4	370 Mar. 4	Windsor

THE LINE OF YORK:

Edward IV	1461 Mar. 4	22 1 5	348 April 9	Windsor
Edward V	1483 April 9	0 2 13	348 June 22	Unknown
Richard III	1483 June 22	2 2 0	346 Aug. 22	Leicester

THE FAMILIES UNITED:

Henry VII	1485 Aug. 22	23 8 0	322 Apr. 22	Westminst.
Henry VIII	1509 Apr. 22	37 9 6	284 Jan. 28	Windsor
Edward VI	1547 Jan. 28	6 5 8	278 July 6	Westminst.
Q. Mary	1553 July 6	5 4 11	273 Nov. 17	Westminst.
Q. Elizabeth	1558 Nov. 17	44 4 7	228 Mar. 24	Westminst.

The UNION of the ENGLISH and SCOTCH CROWNS:

James I	1603 Mar. 24	22 0 3	206 Mar. 27	Westminst.
Charles I	1625 Mar. 27	22 10 3	182 Jan. 30	Windsor
Charles II	1660 May 29	24 8 8	146 Feb. 6	Westminst.
James II	1685 Feb. 6	4 0 7	142 Feb. 13	Paris
Will. & Mar.	1689 Feb. 13	13 0 23	129 Mar. 8	Westminst.

The UNION of the TWO KINGDOMS: †

Q. Anne	1702 Mar. 8	12 4 24	117 Aug. 1	Westminst.
George I	1714 Aug. 1	12 10 10	104 June 11	Hanover
George II	1727 June 11	33 4 14	71 Oct. 25	Westminst.
George III	1760 Oct. 25	59 3 4	11 Jan. 29	Windsor
George IV.	1820 Jan. 29	10 4 28	1 June 26	Windsor
WILLIAM IV.	1830 June 26			

Vivat Rex.

* Richard I.'s body was buried at Fontevrault, his head at Rouen, and his heart at Charron, agreeably to his own directions.

† IRELAND united to these Kingdoms, Jan. 1801.

BIRTH-DAYS OF THE ROYAL FAMILY.

KING WILLIAM IV. - - - born 21 August 1765.

QUEEN ADELAIDE - - - - - 13 August 1792.

Prs. Augusta Sophia 8 Nov. 1768	Duke of Gloucester 15 Jan. 1776
Prs. Hesse Homburg 22 May 1770	Duch. of Kent 17 Aug. 1786
D. of Cumberland, - 5 June 1771	Duch. of Cumberland 20 Mar. 1778
Duke of Sussex - - 27 Jan. 1773	Duch. of Cambridge 25 July 1797
D. of Cambridge - - 24 Feb. 1774	Alexandrina Victoria 24 May 1819
Duch. of Gloucester 25 April 1776	George Frederick 27 May 1819
Princess Sophia - - 3 Nov. 1777	George William 26 March 1819
Princess Sophia Mat. 23 May 1773	Augusta Caroline 19 July 1822

SOVEREIGNS OF EUROPE.

Kingdoms, &c.	To whom subject.	When born.	Began to reign.
England, &c.	WILLIAM IV. ...	Aug. 21, 1765	June 26, 1830
France, &c.	Louis Philip I. ...	Oct. 6, 1773	Aug. 9, 1830
Russia, &c.	Nicholas	July 7, 1796	Nov. 19, 1825
Spain	Ferdinand VII. ...	Oct. 14, 1784	Mar. 19, 1808
Portugal	Maria de Gloria	April 4, 1819	May 2, 1826
Prussia	Frederic Wm. III.	Aug. 3, 1770	Nov. 16, 1797
Netherlands	William I.	Aug. 24, 1772	May 15, 1815
Denmark	Frederic VI.	Jan. 28, 1768	Mar. 13, 1808
Sweden & Norway	Charles XIV.	Jan. 26, 1764	Feb. 5, 1818
Austria, &c.	Francis II.	Feb. 12, 1768	Mar. 1, 1792
Popedom	Pius VIII.	Nov. 20, 1761	April 2, 1829
Sardinia.	Charles Felix . . .	April 6, 1763	Mar. 13, 1821
Naples, &c.	Francis J. J.	Aug. 19, 1777	Jan. 4, 1825
Ottoman Empire...	Mahmud	July 20, 1785	July 28, 1808
Hanover	Will. IV. England,	Gov. D. Camb.	June 26, 1830

NAMES OF THE LEARNED JUDGES OF THE LAW.

I.—CHANCERY :

Rt. Hon. Lord Lyndhurst - - - Lord High Chancellor.

Rt. Hon. Sir John Leach - - - Master of the Rolls.

Rt. Hon. Sir Lancelot Shadwell - Vice-Chancellor.

II.—KING'S BENCH :

Rt. Hon. Lord Tenterden, L. C. J. :

Sir John Bayley : Sir Joseph Littledale : Sir James Parke.

III.—COMMON PLEAS :

Rt. Hon. Sir Nicholas C. Tindal, C. J. :

Sir James Allan Park : Sir Stephen Gaselee : Sir John B. Bosanquet.

IV.—EXCHEQUER :

Rt. Hon. Sir William Alexander, L. C. B. :

Sir William Garrow : Sir John Vaughan : Sir W. Bolland.

Attorney-Gen. Sir James Scarlett.—Sol. Gen. Sir Edward B. Sugden.

A plain and easy TABLE, showing the Time of HIGH WATER.

NOTE. That the Moon's Age being taken notice of in the TABLE, you have the Time of HIGH WATER at all the under named Places:

Candado, Dunkirk, Coast of Flanders, Kentish Knock, Leith, Portsmouth and the Spits, Queenborough, Southampton, and Liverpool.

Blackness, Downs, Gravesend Half-tide, North-Cape before Cocquit, Romney, Scilly, and Thanet.

Amsterdam, Dort, Gascon, Groin, Hartlepool, Ireland in the Westward, LONDON, Robin Hood's Bay, Rotterdam, Tinemouth and Whitby.

Dartmouth, Falmouth, Guernsey, Humler, Lizard, St. Maloes, Newcastle, Ramsey, Severn-mouth, Spurn, Torbay, Edystone and Plymouth, Scilly, 1 h. less.

Antwerp, Boston, St. David's, Holme of Bristol, Hull, Lundy, Lynn Half-tide, St. Paul's, Salcom-without-Ushant, Waterford, and Weymouth.

Aldborough, Bristol, Cherburgh, Foy, Foulness, Lime, Sidmouth in the Channel, and Start before St. Nicholas.

Caen, Calais-Road, Cowes, Dover, the Frith, South Foreland, Harwich, St. Helen's, Normandy and Picardy, Yarmouth Road.

Beachy, and the Isle of Wight, Caskets in the Channel, Combay, Dublin, Hague, Peter-Port, St. Magnus's Sound.

D's A	h	m	h	m	h	m	h	m	h	m	h	m	h	m			
0	15	11	35	1	30	2	48	3	36	6	8	7	35	10	48	9	3
1	16	12	26	2	16	3	30	6	15	6	56	8	21	11	36	9	51
2	17	1	14	3	6	4	24	7	6	7	44	9	9	12	24	10	39
3	18	2	2	3	54	5	12	7	54	8	32	9	57	1	12	11	27
4	19	2	50	4	42	6	0	8	42	9	20	10	45	2	0	12	15
5	20	3	38	5	30	6	48	9	30	10	8	11	33	2	48	1	3
6	21	4	26	6	18	7	36	10	18	10	56	12	21	3	36	2	21
7	22	5	14	7	6	8	24	11	6	11	44	1	9	4	24	3	9
8	23	6	2	7	54	9	12	11	54	12	32	1	57	5	12	3	57
9	24	6	50	8	42	10	0	12	42	1	20	2	45	6	0	4	45
10	25	7	38	9	30	10	48	1	30	2	8	3	33	6	48	5	33
11	26	8	26	10	18	11	36	2	18	2	56	4	21	7	36	6	21
12	27	9	14	11	6	12	24	3	6	3	44	5	9	8	24	7	9
13	28	10	2	11	54	1	12	3	54	4	32	5	57	9	12	7	57
14	29	10	50	12	42	2	0	4	42	5	20	6	45	10	0	8	45

NOTE.—That the Moon's Age being observed in the first Column, you find the Time of HIGH WATER at all the Places above mentioned, in the respective Column of Numbers immediately below them. Thus, when the Moon is *One*, or *Sixteen* Days old, it is HIGH WATER at Candado, Dunkirk, Leith, &c. at 26 minutes past 12 o'clock. And so of the rest. The time usually correct within half an hour—As to the MOON'S AGE, you find it in the Sixth Column on every left-hand page of the CALENDAR.

A TABLE of the EQUATION of TIME, for regulating Clocks and Watches, for 1831.—*Note, fa. Clock too fast; that is, your Clock, to be set right, must be so much faster than the Sun Dial.—slo. Clock too slow; that is, your Clock must be so much slower than the Sun Dial.*

D.	January	February	March	April	May	June
1	3' fa. 42"	13' fa. 53"	12' fa. 43"	4' fa. 7"	2' slo. 6"	2' slo. 39"
3	4 38	14 7	12 18	3 31	3 15	2 21
5	5 33	14 19	11 52	2 55	3 27	2 1
7	6 26	14 27	11 23	2 20	3 37	1 40
9	7 17	14 32	10 54	1 46	3 45	1 17
11	8 6	14 34	10 23	1 12	3 51	0 54
13	8 53	14 33	9 50	0 40	3 54	0 29
15	9 38	14 29	9 17	0 10	3 55	0 4
17	10 19	14 22	8 43	0 slo. 20	3 54	0 fa. 21
19	10 58	14 12	8 7	0 48	3 51	0 47
21	11 34	13 59	7 31	1 14	3 45	1 14
23	12 6	13 44	6 54	1 39	3 38	1 38
25	12 36	13 26	6 17	2 2	3 28	2 4
27	13 2	13 5	5 40	2 23	3 16	2 29
29	13 24	- - -	5 2	2 40	3 3	2 54
31	13 44	- - -	4 25	- - -	2 47	—

D.	July	August	Septemb.	October	Novemb.	Decenb.
1	3' fa. 17"	6' fa. 1"	0' slo. 0"	10' sl. 9"	16' slo. 15"	0' slo. 55"
3	3 40	5 54	0 37	10 47	16 17	10 9
5	4 2	5 44	1 15	11 23	16 15	9 20
7	4 23	5 32	1 55	12 58	16 10	8 29
9	4 43	5 18	2 35	12 31	16 2	7 36
11	5 0	5 1	3 16	13 3	15 50	6 42
13	5 16	4 42	3 53	13 33	15 35	5 46
15	5 30	4 20	4 39	14 0	15 17	4 48
17	5 42	3 57	5 22	14 26	14 56	3 50
19	5 52	3 31	6 4	14 50	14 31	2 51
21	6 0	3 3	6 46	15 11	14 3	1 51
23	6 5	2 34	7 28	15 29	13 31	0 52
25	6 9	2 2	8 10	15 44	12 57	0 fa. 8
27	6 9	1 30	8 51	15 57	12 19	1 8
29	6 8	0 55	9 30	16 7	11 38	2 7
31	6 4	0 19	- - -	16 13	- - -	3 6

How to set a Clock or Watch by this Table:—*For Example, Jan. the 1st, I find, by looking into the Table, that a Clock to be right must be 3 Min. 42 Seconds faster than a Sun Dial; therefore I set it so much faster accordingly. And so of the rest. Twelve o'Clock is the best Time to set a Clock or Watch by a Dial.*

Note.—A Sun Dial shows Solar or Apparent Time; but a Clock, &c. should be set to Equal or Mean Time, as the Table directs, to go true.

THE following TABLE exhibits at one view the principal ELEMENTS of the PLANETARY SYSTEM.

	Mer.	Venus	Earth	Mars	Vest.	Ceres	Pallas	Jupiter	Saturn	Geor.	Sun
	♃	♀	♁	♂	♁	♁	♀	♃	♄	♄	☉
Mean dist. from Sun, Earth's dist. being 10	4	7	10	15	24	27	28	52	95	192	
Periodic time - - - -	days 87	days 224	days 365	days 686	days 1335	days 1582	days 1681	years 12	years 29½	years 83	
Diameters, Earth's diameter 10 - -	4	9	10	8	-	-	-	110	100	43	1128
Inclination of orbit to ecliptic - -	7°	3° 23'	-	1° 51'	7° 9'	10° 27'	34° 39'	1° 19'	2° 29'	0° 46'	
Place of ascend. node as seen from the Sun	46°	75°	-	48°	103°	171°	81°	99°	112°	73°	
Diameter of Sun seen from planet -	80'	46'	32'	21'	13'	12'	11'	6'	3'	1'	
Times of revolution on axis - - -	-	23h 30'	23h 56'	24h 40'	-	-	-	9h 52'	10h 16'	-	25d 10h
Days from conj. to conj. or opp. to opp.	115	584	-	780	503	474	466	399	378	369½	
Of which time they retrograde during days	22	42	-	70	83	99	99	120	135	151	
Arcs which they retrograde - - -	12°	16°	-	18°	13°	12°	12°	9°	6°	4°	
Velocity per second in miles - - -	30	23	19	15	13	12	11	8	6	4	
Greatest and least apparent diameter	11" 5"	57" 10"	-	26" 5"	-	-	-	40" 26"	18" 15"	4"	

THE mean diameter of the Earth is about 7,930 miles, and its mean distance from the Sun about 95 millions of miles. Hence, and from the proportional diameters and distances given in the Table, those of any of the planets may be readily found. The diameter of the Moon is about 2,160 miles, and her mean distance from the Earth nearly 240 thousand miles. JUPITER has four moons or satellites, SATURN has seven, and the GEORGIAN, URANUS, or *Herschel's planet*, has six. *Jupiter's satellites* are of great utility in finding the longitudes of places by their eclipses: they likewise exhibit some curious phenomena with regard to light. SATURN is surrounded by a double ring, which usually presents a most interesting appearance when seen through a telescope. Remark also,

I. The orbit of each planet is an ellipse, (not differing greatly, however, from a circle,) of which the Sun occupies one of the foci.

II. The areas described about the Sun, by the radius vector of the planet, are proportional to the time employed in describing them.

III. The squares of the times of the sidereal revolutions of the planets are to each other as the cubes of the mean distances. Similar laws obtain with respect to the satellites and their primaries.

Chronology
OF REMARKABLE OCCURRENCES.

Years of Christ.		Years since.
1066	WILLIAM (the Norman) conquered England	765
1116	First Parliament of Lords and Commons	715
1185	Ireland conquered by the English	646
1304	Edward I. reduced Scotland	527
1369	Wickliff first began the Reformation	462
1492	Columbus discovered America	339
1584	Virginia discovered by Sir Walter Raleigh	247
1603	A great Plague in London; died 56,570	228
1605	The Popish Gunpowder Plot, November 5,	226
1610	Jupiter's Satellites first discovered	221
1611	New Translation of the Bible	220
1614	New River brought to London by Sir Hugh Myddleton	217
1616	Shakspeare the poet died	215
1625	A great Plague in London; died 34,517	206
1632	A great Fire on London Bridge, Feb. 11	199
1649	King Charles I. beheaded Jan. 30	182
1653	Oliver Cromwell made Protector, Dec. 12	178
1655	George Fox, the first of the Quakers	176
1658	Oliver Cromwell died, Sept. 3	173
1660	King Charles II. restored, May 29	171
1662	The Royal Society instituted	169
1666	The lamentable burning of London, Sept. 2	165
1669	The Royal Exchange (built 1667) first opened, Sept. 28	162
1670	The Prince of Orange arrived at Whitehall	161
1672	Halfpence and Farthings first coined, Aug. 16	159
1677	Prince of Orange married to the Princess Mary	154
1678	The Popish Plot discovered	153
1679	The Habeas Corpus Act passed	152
1688	The seven Bishops sent to the Tower, June 8	148
1688	Prince of Orange landed at Torbay, Nov. 4	142
1688	King James II. abdicated, Dec. 12	143
1689	King William and Queen Mary crowned, April 11	142
1693	Bank of Eng. established.—Hackney Coaches first licensed	138
1704	Gibraltar taken by Sir George Rooke	127
1707	England and Scotland united, May 1	121
1727	The great Sir Isaac Newton died, March 20	104
1727	An Earthquake in several parts of England	104
1731	The Latin language abolished as to legal proceedings	100
1745	A Rebellion in Scotland	86
1746	The Scotch Rebels defeated at Culloden, April 16	85
1750	Westminster Bridge finished, cost £.389,500	81
1752	The Style and Calendar altered, September 2	79
1755	Lisbon destroyed by an Earthquake	76
1765	Otaheite discovered.—General Warrants declared illegal	66
1770	Blackfriars Bridge finished, cost £.152,840	61
1775	War declared against North America, August 23	56
1776	The Americans declare themselves Independent	55

1778	War against France.—1779, D ^o Spain.—1780, D ^o Holland.	
1783	A general Peace — Fiery Meteor passed over Eng. Aug. 18.	48
1784	Establishment of Mail Coaches - - - - -	47
1792	France a Republic.—King of Sweden shot by Ankerstrom	39
1793	King and Queen of France guillotined - - - - -	38
1797	Ireland invaded by the French - - - - -	34
1799	Buonaparte appointed First Consul of the French Republic -	35
1801	Ireland united to England.—A general Peace - - - - -	30
1801-2-4,	The Planets <i>Ceres</i> , <i>Pallas</i> , and <i>Juno</i> , discovered.	
1803	War with France renewed.—1804, Buonaparte made Emperor.	
1805	Battle of Trafalgar, and glorious death of Nelson - - -	26
1807	Copenhagen taken by the English; Treaty of Tilsit; the Portuguese Government emigrated to the Brazils - - -	24
—	Abolition of the Slave Trade - - - - -	24
1812	The Prince Regent assumed his full powers. War between France and Russia; Battle of Borodino; Moscow burnt -	19
1813	America decl. War against Gr. Britain: Alliance of England, &c. against France; Revolution in Holland; Pr. of Orange recalled	18
1814	Severe Frost; Allied Armies invaded France; Capitulation of Paris; Buonaparte abdicated, and conveyed to Elba; Definitive Treaty signed at Paris; Emp. of Russia, King of Prussia, &c. visited London; Peace proclaimed; Centenary Jubilee, &c.	17
1815	Conspiracy in France; Return of Buonaparte; Murat defeated, dethroned, and shot; BATTLE OF WATERLOO; Surrender of Paris to the Allies; Return of Louis XVIII.; Buonaparte exiled to St. Helena, where, on May 5, 1821, he died.—New Mint erected - - -	16
1816	Vauxhall Bridge and 1817 Waterloo Bridge opened	
1819	Southwark Bridge opened - - - - -	12
1820	Jan 23. <i>Died.</i>] The Duke of Kent, aged 52, and } both buried	
—	- 29. GEORGE III. aged 82 - - - - - } at Windsor	11
—	Thistlewood's Conspiracy.—Regent's Canal opened - - -	11
1821	£.1. & £.2. Notes superseded by Sovereigns and Half Sovereigns.	
1825	South American Independence established - - - - -	6
—	Independence of Hayti acknowledged by France - - -	6
—	June, First stone of the new London Bridge laid - - -	6
1827	Jan. 5, Duke of York died, aged 63; buried at Windsor -	4
—	Oct. Egyptian Fleet destroyed at Navarino - - - - -	4
1828	June, War between Russia and the Porte - - - - -	3
—	Oct 6, <i>Died.</i>] Queen (dowager) of Wirtemberg, aged 62 -	3
1829	April 13, Catholic Relief Bill passed - - - - -	2
—	Sept. 23. New Post Office opened. - - - - -	2
1830	May, Peace between Russia and the Porte.	
—	June 26, GEORGE IV. died, aged 63; buried at Windsor.	
—	— - Accession of WILLIAM IV. to the Throne of these Realms.	
—	July, Capture of Algiers by the French.	
—	— 24, Parliament dissolved.	
—	— 27, Revolution in France: abdication of Charles X.; the Duke of Orleans declared King; and, Aug. 9, His Accession to the Throne.	

AN ACCOUNT OF
THE ECLIPSES OF THE SUN AND MOON,

*And other Appearances in the Heavens, in the Year 1831 ;
the result of calculations from the most correct and
approved Data.*

FROM the known laws that govern the motions of the heavenly bodies, man is able, by a combined calculus founded upon correct physical and mathematical principles, to ascertain with great certainty the different *phenomena* incident to the various periods of the planetary bodies of our Solar system. Accordingly, as respects our Earth, and its attendant Satellite, we can safely predict that there will be *four* Eclipses this year ; that is, *two* of the SUN, or rather Earth, and the same number of the MOON ; when one of the latter luminary, will, in part be visible in this country.

The *first* of these Eclipses is an annular one of the SUN, on *Saturday, February 12th*, in the afternoon ; it begins at 2h. 35m. in latitude $14^{\circ} 2' N.$ longitude $125^{\circ} 16' W.$ and ends at 7h. 38m. in latitude $40^{\circ} 5' N.$ longitude $36^{\circ} 21' W.$: the former falling in the *Pacific*, and the latter in the *Atlantic Ocean*.

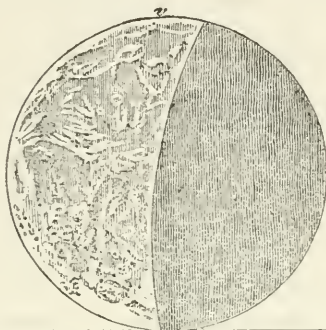
This eclipse is not only *invisible to England*, but to the whole of *Europe, Asia, and Africa* ; nevertheless, to the continent of *N. America*, and the adjacent waters, it will prove a visible and interesting eclipse. The central shade first touches the surface of our globe, at 3h. 51m. in latitude $32^{\circ} 17' N.$ longitude $138^{\circ} 54' W.$ and passing over a small extent of the *Pacific*, it quickly reaches the coast of *California*, near *Cape Colnett*, and crossing the northern part of that peninsula and the Gulf of the same name, it enters *Mexico* near the parallel of 30° : sweeping over this country, its course is directed towards *New Orleans*, and on entering the territories of the *United States*, crosses the *Mississippi* a few miles north of that city. In its progress over *Georgia*, the sun attains his greatest elevation ($43^{\circ} 6' 48''$) on the central track ; which falls near *White Bluff River*, in that state ; latitude $31^{\circ} 47'$, longitude $38^{\circ} 14'$. Here the obscuration is the greatest, and the annulus of light surrounding the dark body of the moon will be about

one-eighth of a digit in breadth : at the same time the apex of the moon's umbra is 5,000 miles distant in space from this spot ; and the same will be in the zenith of that part of the globe which lies about 5° N. of the *Gallipago Isles*, where a small indentation takes place on the Sun's upper limb, although the apex of the umbra will be 700 miles nearer this part than where the eclipse is greatest. The central shade now shapes its course more northerly, crosses the *Savannah* into *S. Carolina*, where the sun becomes centrally eclipsed when on the meridian of latitude $34^{\circ} 54'$, longitude $81^{\circ} 29'$ It thence proceeds nearly in a straight line across *N. Carolina* and *James River*, passes between the towns of *Norfolk* and *Williamsburg*, in *Virginia*, then over *York River*, *Chesapeake Bay*, and the southern promontory of *Maryland*, where it enters the *Atlantic*, skirting the coasts of *Jersey*, *New York*, and *Connecticut*, continuing its course over the *Island of Nantucket*, the town of *Halifax*, in *Nova Scotia*, the *Island of Cape Breton*, and *Newfoundland*. It then again enters the *Northern Ocean*, where it leaves our globe at 6h. 22m. in latitude $57^{\circ} 50'$ N. longitude $28^{\circ} 11'$ W.

As the annular eclipse will extend, at a mean, about 55 miles on each side of the central track, it may be inferred that the whole body of the Moon will appear on the disc of the Sun, as seen from the towns of *Petersburg*, *Richmond*, *Williamsburg*, *Norfolk*, *Dover*, *Salem*, besides some others in the *United States* that are situated within the said limits. This eclipse will also be very large at *Dumfries*, *Washington*, *Baltimore*, *Philadelphia*, *Burlington*, *Trenton*, *Amboy*, *New York*, *New London*, *Providence*, *Taunton*, *Boston*, &c. It will also be visible to *Hudson's Bay*, *Labrador*, *East and West Florida*, the *Gulf of Mexico*, *Cuba*, and the *West India Islands*, &c.

The second Eclipse is of the Moon, on *Saturday* afternoon, *February 26th* ; the latter part of which may be expected to be visible in *England*. The lunar disc first enters the real umbra of the Earth, at 3h. 14m. 26s. arrives at its maximum of obscuration at 4h. 42m. 39s. when the Moon will be $5^{\circ} 16' 37''$ eclipsed ; her lower limb leaves the horizon of *Greenwich* at 5h. 18m. 34s. ; she then exhibits a partial disc of light equal to $5^d 24' 4''$, agreeably to the annexed

delineation ; and will gradually recover her wonted brightness, as she ascends the azure vault of heaven, when at 6h. 10m 52s. the circle is again complete, and the eclipse ends.



At *Paris*, this Eclipse begins at 3h. 24m. The middle takes place at 4h. 52m. and the end at 6h. 20m. according to the meridian of the French Observatory.

The Moon rises, when the eclipse begins, to a part of the *Black Sea*, the *Arabian Gulf*, and to the Island of *Madagascar*; and the Eclipse will be partly visible to *Italy*, *Germany*, *Sweden*, *France* and *Spain*; but to the whole of *Asia*, and *Notasia*, with the numerous islands lying between these two continents, it will be visible from the beginning to the end. At the time of the Moon's rising at *Greenwich*, she will be vertical over the *Gulf of Siam*; latitude $9^{\circ} 16' 24''$ N. longitude $100^{\circ} 18' 56''$ E.

The next, or *third*, is a total Eclipse of the SUN, on *Sunday*, August 7th, in the afternoon, but invisible to us and all *Europe*, and I may say *Asia*, *Africa*, and *America*, its appearance being principally confined to those parts of *Australasia* and *Polynesia* which lie in the southern hemisphere.

The first impression made by the Moon upon the disc of the Sun will be at his rising, in latitude $13^{\circ} 41'$ S. longitude $158^{\circ} 47'$ E.; and at the last, when setting, in latitude $35^{\circ} 15'$ S longitude $111^{\circ} 35'$ West. On the ingress of the *penumbra* it very rapidly extends itself over that part of the *Pacific*

and the adjacent Isles, when shortly after its entrance on the coast of *Notasia*, the centre of the *umbra* first touches the earth in latitude $29^{\circ} 6' S.$ longitude $146^{\circ} 55' E.$; this happens about 400 statute miles from *Paramatta*, and 430 from *Botany Bay*, bearing nearly NW. by N.; at the former place the Sun will be $10\frac{1}{2}$ digits obscured.

The central shade, after leaving the *Australian* continent, enters the *Pacific*, and passing very near or over *Norfolk Island*, soon arrives at that point of its curvilinear tract, where the Sun will suffer a total Eclipse at noon-day; which falls in latitude $26^{\circ} 23' S.$ longitude $156^{\circ} 2' W.$ It now traverses these waters in a southward direction, and makes its exit in latitude $50^{\circ} 9' S.$ longitude $103^{\circ} 4\frac{1}{2}' W.$ The general Eclipse begins at 7h. 41m. 26s.; total darkness at 8h. 50m. 14s.; the end of total darkness at 11h. 29m. 24s. and the end of the Eclipse at 12h. 38m. 12s. or 38m. 12s. after midnight.

The Sun attains the greatest elevation on the central track, in latitude $24^{\circ} 34' S.$ longitude $160^{\circ} 45' W.$ where the Moon's semi-diameter exceeds that of the Sun $31''$. Here, if the observer be stationary, the duration of total darkness would be only 1m. 45s.—if he be subject to the orbicular motion of the Earth, the duration of total darkness would be 1m. 52s.; but if he partake of both the orbicular and rotatory motions of the globe, he will see the Sun totally obscured 3m. 13s.

This Eclipse will be visible to *New Caledonia*, *New Zealand*, the *Friendly* and *Society Isles*, besides several others in their vicinity.

The *fourth* and last Eclipse of this year, is a partial one of the MOON, on *Tuesday*, *August* 23d, in the morning; and as the Moon will be under our horizon at the time, of course it will be *invisible* to us.

This Eclipse begins at 8h. 40m. 38s. The middle takes place at 9h. 56m. 55s. the δ at 10h. 5m. 10s. and the end at 11h. 13m. 11s.; digits eclipsed on the northern part of the moon's disc $5^{\circ} 48' 17''$.

The Moon rises at the beginning to some parts of *Notasia*, *N. Guinea*, the *Ladrone Isles*, and *Kamtchatka*; and sets to *Labrador*, *Newfoundland*, and the extremity of *South America*.

It will be partly visible to *Japan*, the *Philippine* and *Sunda Islands*; likewise to the western parts of *Notasia* and *New Guinea*, and the eastern parts of *China*, where the Moon will rise during the Eclipse; on the contrary, she will set whilst passing through the Earth's shadow to the greater portion of *South America*, the *United States*, and the whole of the *West India Islands*. But to *Van Diemen's Land*, the eastern parts of *Notasia*, to *New Zealand*, the *Friendly Society*, and *Sandwich Isles*, with the western coast of *North* and *South America*, the Eclipse will be wholly visible.

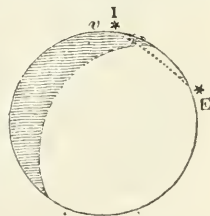
AN ACCOUNT OF THE MOST

REMARKABLE LUNAR OCCULTATIONS, APPULSES,

And other Celestial Configurations that may be expected to happen within the period of the present Year.

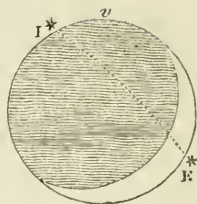
I now come to the consideration of other *phenomena* arising from the variable motions of the Moon, and her projected position in the direction of a visual line emanating from the surface of the Earth; in which those of the occultations of the Stars seem to merit particular attention, not only as immediately regards Geography and Astronomy; but in a philosophical point of view they are likely to prove useful, when nicely observed, by extending our knowledge relative to the refrangibility of the rays of light, &c.

The *first* Occultation of note that will happen this year is of the fixed Star *Aldebaran*, on *January 23d*, in the evening. The *Immersion* may be expected to take place about $1\frac{3}{4}$ h. after the moon has passed the meridian of *Greenwich*, that is, at 9h. 46m. 40s. when the star is $8^{\circ} 32'$ west of the moon's vertex; and the *Emersion* at 10h. 18m. 37s. the star appearing at $66^{\circ} 28'$ from the said point, as is shown in the annexed delineation.



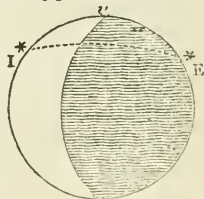
The next visible Occultation of the same Star is on the 15th of *April*, in the afternoon, when the *Immersion* takes

place at 4h. 50m. 29s. and the *Emer-
sion* at 5h. 54m. the moon bearing
nearly SW. and SW. by W. $\frac{1}{2}$ W.
respectively ; having an altitude in the
former instance of about 48° . The
Star will be $30^{\circ} 58'$ from the Moon's
vertex at *Immersion*, and $112^{\circ} 46'$ at
Emersion, agreeably to the accom-
panying Diagram.



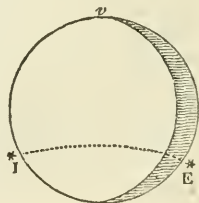
The *third* Occultation which I shall notice in this place,
is of the Planet *Jupiter*, on *June 2d*, early in the morning,
soon after the Moon has risen, when the central *Immer-
sion* takes place at 1h. 8m. 40s. and the *Emersion* at
2h. 13m. 51s. The planet will (when nearest) be $5' 53''$
south of the Moon's centre. All the Satellites may be
expected to be visible at the time ; and they will be eclipsed
in the following order : viz. first the 4th, then the 2d, next
the planet, then the 1st satellite, and lastly the 3d. On the
9th of the same month, the Moon again eclipses *Aldebaran*,
but the *phenomenon* happens too near the Sun to be visible.

On the 3d of *August*, in the morning, there will be another
Occultation of *Aldebaran* ; and though it happens when the
Sun is above the horizon, yet it may
be readily seen with a telescope.
The *Immersion* is at 6h. 23m. 15s.
and the *Emersion* at 7h. 16m. 5s. ;
the Moon bearing nearly SSE. alti-
tude $52\frac{1}{2}^{\circ}$. The star disappears at I,
 $49^{\circ} 58'$, and re-appears at E, $55^{\circ} 35'$
from the highest point *v*, of the Moon's
limb, according to the annexed Type.



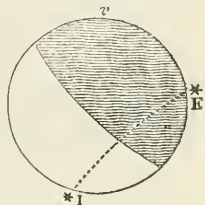
On the 30th, the Moon will again eclipse the above-
mentioned Star, but the *Immersion* is expected to take place
shortly after the moon sets at *Greenwich*.

On the 24th *October*, early in the
morning, *Aldebaran* will again be hid
by the Moon. The star immerses at I,
 $62^{\circ} 57'$, and emerges at E, $55^{\circ} 11'$
from the lowest point of the Moon's border,
agreeably to the Type. The Star disap-
pears at 1h. 14m. 18s. and re-appears at
2h. 20m. 27s. The Moon culminates
about 15 minutes after the emersion.

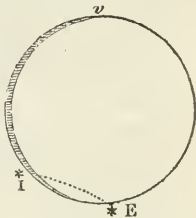


On the 25th *November*, P. M. the star *Regulus*, in the constellation *Leo*, called also *Cor Leonis*, or the *Lion's Heart*, is eclipsed by the Moon on the parallel of *Greenwich*; but the Moon will not rise at the Observatory till about the time of *Emersion*, and therefore for this reason the phenomenon will be invisible to us.

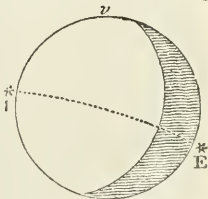
The next visible Occultation of note is one of the Planet *Saturn*, on *November 27th*, A. M.; the *Immersion* will be at 4h. 46m. 13s. and the *Emersion* at 5h. 54m. 36s. The appearance will be as shown in the annexed delineation, where the Planet will come into view from behind the dark part of the Moon, at E, $78^{\circ} 20'$ from v. In observing this Occultation, the young astronomer will not fail to notice the wonderful Ring which surrounds this planet, and which is now becoming very eccentric: its major axis is to its minor as 22 to 1, having at the same time its southern side illuminated.



The last time this year that the Moon will eclipse *Aldebaran*, will be on the 17th *December*, at night: *Immersion* at 11 h. 8 m. 38 s. and the *Emersion* at 11 h. 43 m. 38 s. The Star will disappear at I, $50^{\circ} 23'$ east of the Moon's lower limb, and reappear at E, only 4' in arc west of the same.



The last of these Lunar Occultations which I shall notice this year, is one of *Regulus*, on *December 23d*, in the morning: *Immersion* at 7h. 40m. 32s.; *Emersion* at 8h. 41m. 23s.; and which takes place at $74^{\circ} 57'$ and $70^{\circ} 28'$ from the upper and lower limb of the Moon respectively. At the nearest approach, the star will be only 18" in arc south of the Moon's centre.



Note.—The instants of the preceding Eclipses, Occultations, &c. are given in apparent time, and for the meridian of the Royal Observatory, when not otherwise expressed.

I now hasten to inform my astronomical readers when the Planetary Bodies are in the most favourable situations for telescopic observation.

MERCURY will be visible in the evenings, on or about *January 11th, May 3d, August 31st, and December 25th.* Again in the mornings of *February 20th, June 20th, and October 12th.* On *November 13th,* this planet will be eclipsed by the Sun; the \odot happening near the \oslash when \ominus is in the superior part of its orbit. But next year, in *May,* the planet will come to a \odot with the Sun, at the same node, when in the inferior part of its orbit, having at the same time a latitude less than the semi diameter of the Sun; consequently \ominus will be seen to pass over the disc of that luminary. A correct account, and delineation of this Transit, will be given in my Almanack of that year.

Near the end of last year VENUS arrived at her superior \odot , and will not reach her greatest elongation till the 30th *July*; and though a striking object in the evenings of the Spring and Summer months, yet she will be too far from the Earth for common telescopes, until *August, and September,* when she may be observed with advantage, and the same from the latter end of *October* to the end of the year. Her greatest brightness will be about *September 2d, and November 13th.*

MARS will not be in \oslash to the Sun this year. On *May 31st,* $\odot \oslash \ominus$, the latter about 49' north of the former.

JUPITER will be well situated for observation during the Summer quarter: opposition to the Sun, *August 10th.* This Planet still has very considerable southern declination.

SATURN is in \odot with the Earth, on *February 17th.* Therefore during the Winter, and early part of the Spring, this Planet, and its surprising Ring, will be interesting objects with the telescope. The plane of this ring will pass through the Earth in 1832, when the inhabitants of the Boreal hemisphere of Saturn will begin to receive the benefit of its reflected light: but more on this head in my next year's Almanack.

URANUS will be in opposition to the Sun *August 5th*; its longitude $12^{\circ} 29'$ of ♊ , and latitude $42'$ south.

Of the Four new Planets, VESTA, JUNO, PALLAS, and CERES.

It appears that only two of these Planets come in δ to the Sun this year, viz. *Pallas* and *Ceres*. Their meridional passage, and declination, at and near these times, will be found as below for the Royal Observatory.

		Southing.		Declination.		
		h. m. s.				
1831 :	Pallas.	Bef. Midn.		North.		
July - 20	- -	0	21 13	18°	57' 48"	Pallas will be only a few minutes north of the stars, marked α and δ , in the constellation Sagitta.
21	- -	0	26 1	18	52 8	
δ 22	- -	0	30 48	18	46 14	
23	- -	0	35 54	18	40 42	
24	- -	0	40 18	18	33 40	
		Aft. Midn.		South.		
Aug. 2	- -	0	24 56	29	0 33	This planet will be in a blank part of the heavens : passes the meridian nearly with ζ Capricorni, about 8° south of that star.
3	- -	0	20 13	29	6 28	
δ 4	- -	0	15 27	29	12 19	
5	- -	0	10 40	29	17 58	
6	- -	0	5 51	29	23 32	

Judicium Astrologicum, pro Anno 1831.

VOX CÆLORUM, VOX DEI: *The Voice of the Heavens is the Voice of God.—He speaketh in all the Changes of the Seasons, and of the Times.*

COURTEOUS READER,

A FEW years ago, a hoary-headed stranger, supposed to be under the Divine afflatus, stood, in open day, at the Exchange of *Astrucan*, and, with a voice of authority, delivered himself nearly to the following effect :

“ Before the year 1900, there shall be great desolation in *Hungary, Poland, Germany, France*, and other regions of the West ; but above all other nations, *Italy* shall be made a wilderness, her cities burnt, her wealth plundered by *Tartars, Arabians, and Turks*, who will put great numbers to the sword, especially worldly-minded ecclesiastics, few of whom shall escape. Then shall arise in *England* a man of obscure birth, but of divine knowledge and wisdom, who shall be highly beloved of God and man, whose heart

shall be like a shining lamp; and his tongue shall utter wonderful things; he shall proclaim the laws of Jesus, freed from corruptions and errors, he shall reform all Christian churches, and utterly abolish the use of images. He will also convince the *Jews* of their infidelity, and chase away the darkness of superstition from the earth. *Spain* and *Portugal* will break their yokes.

“ Foreign Princes shall send their ambassadors to the King of *Great Britain*, and to this Holy Person; for he shall be at his right hand; and they shall enter into leagues, and mighty armies shall be raised in the North, which shall chase the Turks back again, and recover the wealth they had taken. Then shall this virtuous Englishman be proclaimed the great pastor of the church, and a mighty army shall exterminate the Turks from *Palestine*, and crown him in *Jerusalem*, which shall be the seat of this new patriarch, and his successors to the end of time. Then shall the eyes of the *Jews* be opened, and they shall acknowledge Jesus for the true Messiah.”

I have no room for comment, and therefore must leave that to the taste and temper of my Readers; concluding, as usual, with an **HIEROGLYPHICAL FIGURE** alluding to forthcoming Events of these remarkable Times.



AN ASTROLOGICAL *Judgment of the Four Quarters of the Year* 1831, *from the Influx and Influences of the PLANETARY ORBS, with respect to the Affairs of the World. And First—*

Of the WINTER QUARTER, called the Brumal Ingress.

FROM accurate computations of the orbital motion of the Earth, I find that this Quarter will begin on *Wednesday, December 22d, 1830, at 7h. 8m. 4s. in the morning*; at which time we have Υ lord of the ascendant, and 3d house, near the cusp of the 2d; of which Υ is lord. This latter planet is also retrograde in the 8th, and at the same time forms a Δ aspect with *Sol* and *Venus*, his dispositors in the first house. At this ingress the situation of \J is rather remarkable; for he is not only lord of the *Imum Cæli*, but also in his own domal dignity, the ascendant of *England*. Hence, when we consider the nature of this anarctic promittor, with his position in the horoscope, as regards the other infortunes; it may be inferred that something of an hostile nature is thereby pointed out. And as the ascendant of *Portugal, France, and Germany*, behold the celestial combatants by an unfavourable aspect, augments the danger to these and other places and countries under the fiery trigon, by stirring up conspiracies; denoting further, the burning of places, the sinking of ships, mortal accidents, and other superlative troubles. It also looks as if the political affairs in some of those Countries had taken a turn not in accordance with the views of our Government. As great events are said to have the superior planets for their significators, we contemplate with consternation the probable effects of these infuriating rencontres of the celestial bodies. The leaders in those conflicts against national freedom, which are thus prefigured to the intelligent Astrologer, may not, however, have it in their power to detail the result of their labours in the laconic manner of Cæsar—“*Veni! vidi! vici!—I came! saw! and conquered!*”

Happy at all times, but particularly in times pregnant with calamity, is the man who lives and acts as under the all-seeing eye of the beneficent Father of All! Amidst the moral distractions, the war of elements, the crush of states, by which for a moment he may be appalled, he may—

When thunders roar, and vivid lightnings play,
And the firm souls of heroes feel dismay;
He may serene behold the dreadful blaze,
While Monarchs quake, and trembling Nations gaze.

With respect to the atmospheric influence on the state of our health during this quarter; my opinion is that Saturnine complaints will be very common, and in many cases extremely obstinate, especially where the patient has plenty of ready rhino for the doctor!

be attempted. From the complex nature of the omens, it is difficult to say, notwithstanding late events, which is most to be implicated.

Those emissaries in the garb of sanctity, denominated in Scripture "wolves in sheep's clothing," are busy and mischievous; beware therefore of intrigue and guile. Remember, that to the Pharisees it was said, "This people draweth nigh unto me with their mouths, and honoureth me with their lips; but their heart is far from me; but in vain do they worship me, teaching for doctrines the commandments of men." God's judgments will fall, sooner or later, upon the Gentile apostatized church, and all who plead for, or hanker after corruption. I do not yet see my way clearly into *all* these matters; but if I am not under a mistake, of the three woes which have long hung, as though by a cobweb, over the greater part of Christendom, the first, viz. *the sword*, will be the proper punishment of "the lust of the eye;" the second, viz. *the pestilence*, the punishment of "the pride of life;" and the third, viz. *the famine*, the punishment of "the lust of the flesh." Inquire into these subjects, courteous Reader, and year after year, compare your cogitations with my declarations, and see who makes the greatest advance. Light is, notwithstanding, springing up all around; the Western horizon is as bright as the East; and when Folly and Bigotry are gone to sleep with the moles and the bats, Knowledge and Virtue will be duly prized, and men, instead of shutting their ears to the voice of Truth, will listen to her instructions, and exult in the sound.

Of the ESTIVAL, or SUMMER Quarter.

THIS division of the year is known to commence in our hemisphere at the moment when the sun attains its greatest northern declination; which happens in the present instance on *Wednesday, June 22d*, at 5h. 38m. 18s. in the morning; at which time ♀ occupies the ascendant, ♁ and ♃ the 2d, ♄ the 5th, ♀ and ♁ the 8th, ♃ the 11th, and sol the 12th mundane houses of heaven. These positions, with others of a like nature, seem to indicate more trouble to ruling Powers, and a want of cordiality amongst those who possess influence. Much more unanimity amongst the people than amongst their leaders is manifest; and temperate remonstrances from them have tended greatly to improve the popular cause. A dungeon scene is also very strikingly connected with the horoscope of this quarter; but some reserve on this point seems necessary. The Heavens at this time would also appear to signify that great endeavours are made for the regulating of divers disorders that have lately happened, and quieting the minds of discontented people in various countries. These are very aptly signified by the angular position of the Moon with Saturn and Jupiter at the present ingress.

Of the AUTUMN Quarter.

THE entrance of the Sun into ♎, or the Earth into ♑; which is the beginning of this division of the year, takes place on *Friday, September 23d*, at 7h. 45m. 51s. in the afternoon; at which time there are several important configurations of the planets; such as ☿s of ☉ with ♃ and ♄, ♃ and ♄, ♃ and ♄, ♃ and ♄; ♃ and ♄; ♃ and ♄; ♃ and ♄. I also find the ☉, ♃, ♄, ♄ and ♃, all congregated in the 6th mundane house, which has for its cusp the ascendant of *Turkey, Greece, Austria, Portugal*, with the cities of *Paris, Lisbon, Vienna, Frankfort, and Antwerp*; which, according to *Salmon*, forebodes great troubles to the people of those parts. Besides, if we are to believe the ancient astrologers, we have here assembled the representatives of all sorts of people, a truly magpie-parliament, as must be the case where such a conflict of interests are concerned. Verily! it looks like a violent commotion or mob; and it will be well for those in power under ♎, to have an eye to this state of things.

Rome, tottering long, laden with Error's store,
Soon, soon shall fall, and head the world no more.

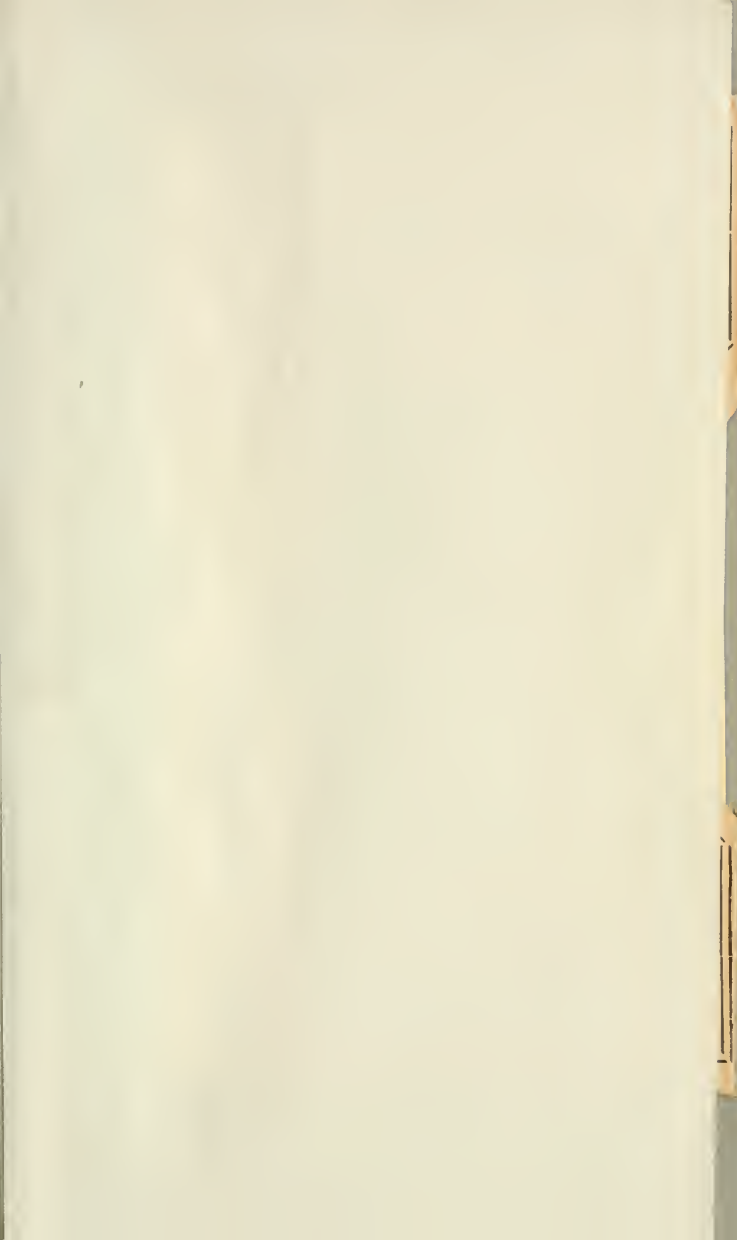
Yes, the pillars of corrupt priestcraft are mouldering with the dry-rot, and a mighty desolation is at hand. "White, black, and grey, with all their trumpery, of cowls and hoods, reliques and beads," must soon be packing. In those days, said *Hildegardus*, referring to our truly portentous times, a senseless priesthood shall prevail, proud, greedy, and subtle, without faith, eating and trading upon the sins of the people, holding a foolish order of devotion under the feigned cloak of beggary, humble in semblance but proud, lovers of the world, sellers of pardons; but when their cup of iniquity is full to the brim, destruction cometh like a whirlwind, and they shall sink under the bitter blast of the day of visitation. Thus, also, the author of *Catastrophe Mundi, cent. xix.*

"The pope, priests, masses, and their gods of wood,
"Their idol temples too wherein they stood,
"With all that hatred pageantry, shall come
"By God's just judgment to eternal doom."

Mahometanism, Popery, Juggernaut, and the Goddess of Ignorance, have reigned long enough; better times are at hand, and *Great Britain* is assuredly destined to take her full share in bringing about the change.

FINIS.

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