



ECLIPSES IN THE YEAR 1849.

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

I. There will be an Eclipse of the Sun on the 22nd of February, at the time of New Moon in the evening, invisible. It will be visible in the eastern part of Asia, the North Pacific Ocean, and Russian America. It will be central and annular on the meridian, in longitude 153° 9' east from Greenwich, and latitude 41° 22' north.

II. There will be an Eclipse of the Moon on Thursday, March 8th, in the evening, visible, and chiefly visible in the United States and Canada.

Beginning of Eclipse, 14 minutes past 6, evening.

Middle, . . . . . 44 minutes past 7, "

End, . . . . . 14 minutes past 9, "

Magnitude, 8.86 digits on the Moon's southern limb.

III. There will be an Eclipse of the Sun at the time of New Moon, August 18th, in the morning, invisible. This Eclipse will be visible in most of the Indian Ocean, in the south-east part of Africa, in Madagascar, and in the southern parts of Australia. It will be central and total on the meridian in longitude 91° east from Greenwich, and latitude 36° 8' south.

IV. There will be an Eclipse of the Moon on Sunday, September 2nd, at the time of Full Moon, in the afternoon, invisible. Visible in the opposite hemisphere. Magnitude, 7.09 digits on the Moon's northern limb.

ASTRONOMICAL SIGNS EXPLAINED.

- ☉ Sun,                      ☿ Mercury,                      ♂ Mars,                      ♄ Saturn,
- ☽ Moon,                      ♀ Venus,                      ♃ Jupiter,                      ♃ Herschel.

THE TWELVE SIGNS OF THE ZODIAC,

Or the 12 equal divisions of the Ecliptic, through which the Sun passes in his apparent annual revolution, and the days on which he enters each; and the parts of the body governed by them, according to Ancient Astrology.

SPRING SIGNS.

- ♈ Aries, the head and face, March 21
- ♉ Taurus, the Neck, April 20
- ♊ Gemini, the Arms, May 21

SUMMER SIGNS.

- ♋ Cancer, the Breast, June 21
- ♌ Leo, the Heart, July 23
- ♍ Virgo, the Bowels, Aug't 23

AUTUMN SIGNS.

- ♎ Libra, the Reins, Sept'r 23
- ♏ Scorpio, the Secrets, Oct'r 23
- ♐ Sagittarius, the Thighs, Nov'r 22

WINTER SIGNS.

- ♑ Capricornus the Knees, Dec'r 22
- ♒ Aquarius, the Legs, Jan'y 20
- ♓ Pisces, the Feet, Feb'y 19

CUSTOMARY NOTES.

1. VENUS will be Evening Star until May 12th, then Morning Star until March 2nd, 1850. 2. The Moon will run highest this year about the 7th degree of Cancer, and lowest about the 7th degree of Capricornus. 3. The mean obliquity of the ECLYPTIC in the middle of this year will be 23° 27' 32.2"; true obliquity at the same time 23° 27' 23.2".

GOOD FRIDAY will fall this year on the 6th of April; EASTER SUNDAY, April 8th; and WHITSUNDAY on the 27th of May.

JAN 13 1933

1st Month.]

First Quarter,  
Full Moon,  
Last Quarter,  
New Moon,  
First Quarter,

DAYS OF		Lessons
Mo	Week	FA
1	Mon	MORN. Gen. 1
2	Tues	2
3	Wed	3
4	Thu	4
5	Frid	5
6	Satu	6
7	Sun	7
8	Mon	1
9	Tues	1
10	Wed	1
11	Thu	1
12	Frid	2
13	Satu	2
14	Sun	2
15	Mon	3
16	Tues	3
17	Wed	3
18	Thu	4
19	Frid	4
20	Satu	4
21	Sun	4
22	Mon	4
23	Tues	4
24	Wed	4
25	Thu	4
26	Frid	4
27	Satu	4
28	Sun	Exod.
29	Mon	
30	Tues	
31	Wed	

West  
REV. JA  
REV. MA  
REV. GE  
REV. EN