

2 Jacob Markell

EXPLANATION OF ASTRONOMICAL CHARACTERS.

THE PLANETS.

The Sun ☉. The Moon ☾. Mercury ☿. Venus ♀. The Earth ☾.
Mars ♂. Jupiter ♃. Saturn ♄. Georgium ♄.

SIGNS OF THE ZODIAC.

Aries ♈, or the ram. Taurus ♉, or the bull. Gemini ♊, twins. Cancer ♋, the crab. Leo ♌, the lion. Virgo ♍, the virgin. Libra ♎, the balance. Scorpio ♏, the scorpion. Sagittarius ♐, the archer. Capricornus ♑, the goat's horn. Aquarius ♒, the water bearer. Pisces ♓, the fishes. ♈, a planet's ascending node. ♏, the descending node. ☿, Conjunction, or when planets are situated in the same longitude. ☊, Quadrature, or planets situated in longitudes differing three signs from each other. ☌, Opposition, or planets situated in opposite longitudes, or differing six signs from each other.

CHRONOLOGICAL CYCLES.

Dominical Letter E. Golden Number 19. Epact 18. Solar Cycle 12. Roman Indiction 11. Julian Period 6536.

MOVEABLE FEASTS.

Septuagesima Sunday, Jan. 16. Quinquagesima Sunday, February 9th. Ash Wednesday, or 1st day of Lent, February 12th. Mid. Lent Sunday, March 9th. Palm Sunday, March 23d. Easter Day, March 30. Low Sunday, April 6th. Rogation Sunday, May 4th. Ascension Day, or Holy Thursday, May 8th. Whit Sunday, May 18th. Trinity Sunday, May 25th. Advent Sunday, Nov. 30th.

♀ Venus will be evening star until the 10th day of October—from that time morning star throughout the year.

Eclipses for the year 1823.

There will be six Eclipses in the year 1823—four of the Sun and two of the Moon,—as follow—

1st, The first will be of the Sun, January 12th, at 4 hours, 40 min. in the morning, invisible.

2d, The second will be of the moon, January 26th, at 53 min. in the afternoon, invisible.

3d, The third will be of the Sun, February 10th, at 10 hours, 50 min. in the afternoon, invisible.

4th, The fourth will be of the Sun, July 8th, at 2 hours, 26 min. in the morning, invisible.

5th, The fifth will be of the Moon in the evening of July 22d, and morning of the 23d—total and visible, as follows:

Beginning of the eclipse,	5h.	16m.	} 23d day in the evening.
Beginning of total darkness,	10	22	
Middle of the eclipse,	11	12	
Ecliptic ☌,	11	14	} 23d day in the morning.
End of total darkness,	0	12	
End of the eclipse,	1	8	

Digits eclipsed 18° 12' from the north side of the earth's shadow.

6th, The sixth will be of the Sun, August 6th, at 9 hours, 39 min. in the morning, invisible.

MEMORANDUM---The Sun's Declination will be found arranged in the outer columns of the Calendar pages for each month.