

## ASTRONOMICAL, &c.

### Chronological Cycles.

|                         |                           |
|-------------------------|---------------------------|
| Golden Number, - - - 10 | Dominical Letters - - D C |
| Epact - - - - 9         | Roman Indiction - - 10    |
| Solar Cycle - - - 13    | Julian Period - - 6565    |

### Obliquity.

Mean Obliquity of the Eliptic, January 1st, 1852—23° 27' 31" 49.

### Astronomical Symbols.

|                 |                   |                         |
|-----------------|-------------------|-------------------------|
| ☉ The Sun       | ♄ Saturn          | SIGNS OF THE<br>ZODIAC. |
| ☾ First Quarter | ♌ Georgian        |                         |
| ☽ Full          | ♌ Conjunction     | ♈ Aries                 |
| ☾ Last Quarter  | ☐ Quadrature      | ♉ Taurus                |
| ☾ New           | ♌ Opposition      | ♊ Gemini                |
| ☿ Mercury       | * Sextile         | ♋ Cancer                |
| ♀ Venus         | △ Trine           | ♌ Leo                   |
| ♁ Earth         | ♌ Ascending Node  | ♍ Virgo                 |
| ♂ Mars          | ♌ Descending Node | ♎ Libra                 |
| ♁ Vesta         | N North           | ♏ Scorpio               |
| ♁ Pallas        | S South           | ♐ Sagittarius           |
| ♁ Juno          | ° Degrees         | ♑ Capricornus           |
| ♁ Ceres         | ' Minutes         | ♒ Aquarius              |
| ♁ Jupiter       | " Seconds         | ♓ Pisces                |

### Commencement of the Seasons.

Spring commences March 20th, at 6h. 28m. morning.  
 Summer commences June 21st, at 3h. 15m. morning.  
 Autumn commences September 22nd, at 5h. 27m. afternoon.  
 Winter commences December 21st, at 10h. 59m. morning.

### Ember Days.

|                         |                                |
|-------------------------|--------------------------------|
| March 3rd, 5th and 6th. | September 15th, 17th and 18th. |
| June 2nd, 4th and 5th.  | December 15th, 17th and 18th.  |

### Eclipses.

In the year 1852, there will be three Eclipses of the Sun and three of the Moon :

1st—A Total Eclipse of the Moon, January 7th, visible in Nova Scotia, as follows :

|                              |      |     |       |             |
|------------------------------|------|-----|-------|-------------|
| First contact with Penumbra, | 11h. | 4m. | P. M. | January 6th |
| First contact with Shadow,   | 0    | 7   | A. M. | January 7th |
| Disappearance - - -          | 1    | 7   | "     | "           |
| Middle of Eclipse - - -      | 1    | 56  | "     | "           |
| Reappearance - - -           | 2    | 45  | "     | "           |
| Last contact with Shadow,    | 3    | 45  | "     | "           |
| Last contact with Penumbra,  | 4    | 45  | "     | "           |

2nd—A Partial Eclipse of the Sun, January 21st, invisible in Nova Scotia, visible in New Zealand and the Southern Ocean.

3rd—A Partial Eclipse of the Sun, June 17th, visible only in South America and the Southern Ocean.