

From the Sun's apparent semi-diameter, which is given daily to the nearest tenth of a second, may be found the Sun's Horizontal Parallax (that is what would be the Earth's apparent semi-diameter as seen from the distance of the Sun, by dividing by 107.44, the proportion the Sun's actual diameter bears to that of the Earth). Thus we find for July when the Sun's distance is greatest  $\frac{15' 46''}{107.44} - \frac{946}{1074} = 8''.806$  for Parallax and also on December 31st, when the Sun is nearest the semi-diameter is  $16' 18''.2$  giving  $9''.105$  for Parallax.

On the right hand page of each month are given the phases of the Moon, its Rising, Southing and Setting, with the time of High Water at Charlottetown, to the nearest full minute of local mean time.

To assist in weather forecasts, are added the Moon's Perigee and Apogee, and the time of crossing the Equator and reaching its greatest North and South Declination. It having been observed that these periods are generally found to be accompanied by atmospheric changes more or less marked as they agree with the Moon's changes and Perigee, when two or more of these influences concur within the space of 48 hours it is indicated by \*\* or \*\*\* accordingly.

### ECLIPSES.

There will be four Eclipses during the year 1896, two of the Sun and two of the Moon, of which one of the latter alone will be visible at Charlottetown.

(I) An Annular Eclipse of the Sun, Greenwich mean time of conjunction, February 13th, 3 hr. 32 mins. 27.6 sec., visible as a partial Eclipse at the south extremity of America, and southwest coast of Africa. the central line of the Moon's Shadow passing from the South Pole to about 600 miles of the Cape of Good Hope.

(II) A Partial Eclipse of the Moon G. M. T. of opposition February 28th, 8 hr. 15 mins. 41.9 secs., Duration of Eclipse from 1 hr. 3 mins. to 6 hr. 4 mins. p. m.

(III) A Total Eclipse of the sun G. M. T. of conjunction. August 9th, 4h. 37 mins. 23 secs. a. m. Central line of Moon's Shadow passing from North Cape, Lapland, through Siberia to North extreme of Japan.

(IV) A Partial Eclipse of the Moon G. M. T. of opposition August 23rd, 7 hr. 32 mins. 7.2 secs. a. m.

**WEEKS** do a large Retail trade.