

EXPLANATIONS
AND
Principal Articles of the Calendar for 1877.

EXPLANATIONS.

All the calculations are reduced to local mean time for Charlottetown, with the exception of the Sun's right ascension and declination, and the equation of time, which are given for the instant of apparent noon.

The various phenomena of the Moon's motions and the Tides, are given to the nearest minute. The bearings of the Moon, at the time of its changes, are given for the purpose of assisting or testing the truth of weather forecasts.

The days of expected atmospheric disturbance are those on which the Moon, in its orbit, crosses the equinoctial line, or attains its greatest north or south declination. When these days fall close upon—within two days—the time of the Moon's change, or perigee, the disturbing influence on the atmospheric tides is proportionally increased. These cases are marked ** or *** according as two or three of these influences are combined, and the more closely these times agree, the stronger and more certain is the disturbance to be expected.

In addition to the general local disturbance on these days, it sometimes happens that the effects of a storm generated within the tropics, may be propagated so as to arrive within two or three days, it having been ascertained that the average rate at which the centre of such storms travel, is about sixteen miles an hour.

CHRONOLOGICAL NOTES.

Epact—Moon's age, January 1, - - -	15
Golden Number—year of Lunar Cycle of 19 years XVI—placed against the day of full Moon next preceding Easter.	
Solar Cycle, - - -	10
Dominical or Sunday Letter - - -	G
Roman Indiction - - -	5