

The Largest and Best Assortment of Paper Collars at

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HARVIE'S P. E. ISLAND

[1869.]

effects of a storm generated within the tropics is sometimes propagated so as to arrive in about two or three days—it having been found that the average rate at which these travel is about 16 miles per hour.

PLANETS AND OCCULTATIONS.

**MERCURY.** The apparent motion is alternately direct and retrograde between the following dates, when he will be stationary either to the east or west of the sun: February 9th, E.; March 3d, W.; June 11th, E.; July 5th, W.; Oct. 8th, E.; October 28th, W.; these being the most favored times for seeing the planet. It is an evening star when to the east, and a morning star when to the west of the sun.

**VENUS.** Direct throughout the year, being a morning star from the beginning of the year till the time of her superior conjunction with the sun on the 8th of May; after which she will reappear as an evening star till the end of the year.

**MARS.** Retrograde from 5th January till 26th March. Direct during the rest of the year. He will be in opposition to the sun on 13th March, coming to the meridian at midnight, and most favorably placed for observation. On the 18th May will be an interesting occultation of the planet by the moon, visible at Charlottetown; the immersion occurring at the darkened side of the moon, at about 5h. 40m., p. m. The re-appearance at the illumined edge at 6h. 47m.

**JUPITER.** Retrograde from September 9th till the end of the year. Being in opposition on the 7th November. He is a morning star from the 1st January till his conjunction on the 17th April. After that an evening star.

**SATURN.** Retrograde from 26th March till 14th August; being in opposition to the sun on the 4th June.

**URANUS.** Motion direct from March 21st till October 27th. Retrograde during the remaining parts of the year. In opposition to the sun, and consequently most favorable for observation on the 5th of January. Its position may be readily found on that night by drawing a line between the two twins, and another line from the southern of these two stars (Pollux) at exactly a right angle towards the west, and taking a distance along this line, (almost exactly) double the distance between the two stars; this will give the position of the planet.

**NEPTUNE.** This newly discovered planet, invisible except by the most perfect instrument, will be retrograde from July 24th, till December 27th, being in opposition on 8th October.

Besides the occultation of Mars already noticed, there will be two occultations visible to the naked eye, of stars of the first magnitude:

**ALDEBARAN.** Feb. 20th, at about 1 o'clock in the morning.

**REGULUS.** March 25th, at about 2 o'clock in the morning.

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