

Aries, the ram, Head and Face.



ECLIPSES DURING THE YEAR 1876.

There will be four Eclipses, two of the Sun and two of the Moon.

I.—On the 10th of March, there will be a Partial Eclipse of the Moon. It will begin about midnight of the 9th, and continue for two hours.

II.—On the 25th March, there will be an Annular Eclipse of the Sun. Two and a-half digits will be eclipsed. It will begin 10 minutes past 12, will be central beginning at 20 minutes past 1, and ending at 12 minutes past 4; the Eclipse ends at 22 minutes past 5. Visible at Montreal about 30 minutes past 3 p.m.

III.—On the third of September there will be a Partial Eclipse of the Moon, not visible in these parts.

IV.—On the 17th of September, there will be a Total Eclipse of the Sun, but it will not be visible in Canada.

EQUINOXES AND SOLSTICES.

Vernal Equinox begins.....	March	d.	h.	m.
Summer Solstice " .....	June	20	1	2 mo.
Autumnal Equinox " .....	September	20	9	23 ev.
Winter Solstice " .....	December	22	11	33 mo.
		21	5	46 mo.

THE ADVENT OF A STAR.

On the night of the 12th of May, 1866, a star of between the first and second magnitude, suddenly made its appearance in the constellation Corona Borealis. It began from its first appearance to diminish in brightness, so that on the 16th of May it was only of the fourth magnitude, and at the end of the month it became a star of the ninth magnitude. The astronomer Huygens has advanced the hypothesis that this star had previously existed in the place where it was first seen, and that it became visible in consequence of some internal convulsion. Messrs. Meyer and Klein, on the other hand, have maintained that the sudden blazing out of the star, may have been occasioned by the precipitation of a planet upon a fixed star. But the most extraordinary fact remains to be stated. It took three years for the light of this new-found star to reach us; so that the sudden outblaze mentioned above really took place before the spectrum analysis, to which we are indebted for an examination of this light, had come into the service of astronomers.

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