

HARVIE'S BOOKSTORE, Queen Street.

1872.]

ALMANACK.

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VENUS. The apparent motion is direct throughout the year. She will be a morning star till her superior conjunction with the sun, July 14th, after which she will reappear as an evening star till the end of the year. There will be an occultation by the Moon, January 6th, but only appearing as such in the southern hemisphere. To the north of the Equator the Moon will appear to pass a little to the south of the planet.

MARS is also direct throughout the year. A morning star till his conjunction with the sun, May 17th; afterwards an evening star till the end of the year.

JUPITER. Retrograde till March 15th, and afterwards moves eastward to the end of the year. He is in opposition to the sun, January 15th; a morning star till his conjunction with the sun, August 2nd; then an evening star to the end of the year. Jupiter's range of motion during the year is about 42° of the ecliptic, from a little to the south of Castor, Geminorum, to the neighborhood of Regulus, which star he will approach, October 29th, within $20'$ (about two-thirds of the Moon's diameter.)

SATURN. Motion direct till April 30; retrograde till September 18th; after that direct till the year's end. In conjunction with the sun, January 2d; in opposition, July 9th, coming to the meridian at midnight. His extreme range of motion is about 11° in constellation Sagittarius.

URANUS will be retrograde till April 2d; direct till November 12, and retrograde to the end of the year. On the 5th of June, Uranus will be in close conjunction with Jupiter. The apparent interval between the two planets is $1'$ of arc—about equal to one thirtieth of the Moon's diameter. His range of motion about 9° in the constellation Cancer.

NEPTUNE will be direct till July 31st, and retrograde to the end of the year. In opposition to the sun, October 17th. His range of apparent motion is $4^{\circ} 45'$ in the constellation Pisces. His position on the line between Alpherat of Andromeda and Moira Ceti at about one third distance from the latter star.

