

[1875.]

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ALMANAC.

11

being an evening star while to the eastward, and a morning star while to the westward of the Sun. He will be in superior conjunction with the Sun, January 5, August 24, and December 15; and in inferior conjunction May 1, July 6, and October 29.

VENUS. Motion direct throughout the year. A morning star till her superior conjunction with the Sun on the 23d September, after which she will re-appear as an evening star.

MARS. Motion retrograde from May 19 till July 25; direct during the remainder of the year; in opposition to the sun, June 19: coming to the meridian at midnight, after which he will be a morning star till the end of the year.

JUPITER. Will be retrograde from February 15, till June 19; and direct during the remainder parts of the year. In opposition to the Sun on April 16; in conjunction November 4. His range of motion will be about 31° in the constellation Virgo and Libra.

SATURN. Will be retrograde from June 6, to October 24; direct during the remainder of the year. In conjunction with the Sun, February 5; in opposition, August 15. His range of motion 13 degrees in the eastern part of the constellation Capricornus.

URANUS. Motion direct from April 19, to November 25. In opposition to the Sun, February 1. In conjunction, April 8. His range of motion about 90° between Cancer and Leo.

NEPTUNE. Motion direct between January 9 and August 5; in conjunction with the Sun, April 20; in opposition, October 24. Range of motion about 5° at the commencement of the constellation Aries.

Of occultations of the Planets by the Moon: there will be one of Venus on May 2; three of Mars, June 18, July 15; and August 11; and one of Mercury, October 1; but none of these will be favorable for observing in these latitudes.

CHRONOLOGICAL NOTES.

Epact—Moon's age, January 1,	- - - - -	23
Golden Number—year of Lunar Cycle, placed against the day of full Moon next preceding Easter,	- - - - -	14
Solar Cycle,	- - - - -	8
Dominical Letter,	- - - - -	C
Roman Indiction,	- - - - -	3
Julian Period,	- - - - -	6588
Turkish Fast of Ramadan,	- - - - -	Oct. 1
Year 5636 of Jewish Era,	- - - - -	Sept. 30
Year, 1292 of Hegira,	- - - - -	Feb. 7

h of the Sun,

time of con-
Africa, India,

h mean time
stern side of
Spain, Italy,
es from near
ica to Mada-
town, com-
Eclipse and
Portion of
f Eclipse, 38

6h. 32m.. a.
* the point

retrograde
ary, either
E.; March
Nov. 7, W;