

DR. RADWAY'S ALMANAC

FOR

1878.

CALCULATED for the Meridian of Washington, and answering approximatively for the Meridians of Montreal, Boston, New York, Charleston (S. C.), and New Orleans.

SYNCHRONISM OF THE YEAR OF OUR LORD 1878.

The year 6591 of the Julian Period.
 The year 5633 of the Jewish Era.
 The year 2190 of the Grecian Era, or the Era of the Selencidæ.
 The year 1295 of the Mohammedan Era, on the 1st of March.
 The year 2631 since the foundation of Rome, according to Varro.
 The year 396 since the discovery of America by Christopher Columbus.
 The year 103 of the Republic of the United States of America.

Solar Cycle.....	11	Dominical Letter.....	F
Lunar Cycle, or Golden Number.....	17	Epact.....	26

Movable Feasts of the Papists, and Episcopal Churches.

Carnival—Shrove Tuesday.....	March 5	Rogation.....	May 26
Ash Wednesday.....	March 6	Ascension.....	May 30
First Sunday in Lent.....	March 10	Whit Sunday.....	June 9
Palm Sunday.....	April 14	Trinity Sunday.....	June 16
Good Friday.....	April 19	24th Sunday after Trinity.....	November 3
Easter Sunday.....	April 21	Advent Sunday.....	December 1

There will be four Eclipses in 1878, two of the Sun and two of the Moon, and a Transit of Mercury over the Sun's disk.

The *first* is an Annular Eclipse of the Sun, February 2, invisible in America.
 The *second* is a Partial Eclipse of the Moon, February 17, partly visible in the United States.
 The *third* is a total Eclipse of the Sun, July 29, visible in the United States as a partial Eclipse.
 The *fourth* is a Partial Eclipse of the Moon, August 12, partly visible in the United States.
 The Transit of Mercury, May 6, will be visible in the United States.

EMBER DAYS.

1st, March 12. 2d, June 11. 3d, September 21. 4th, December 23.

SPRING, March 20; SUMMER, June 21; AUTUMN, September 22; WINTER, December 21.

The Tides are calculated from the Meridian of the Moon, called vulgarly Moon's Southing or Moon's Highest, as inserted in the fifth column of the Calendar.

For the Tides of New York, add 8h. 13m. to each day; for Boston, add 11h. 27m.; for Philadelphia, 13h. 44m.; for Baltimore, 18h. 59m.; and for Charleston, 7h. 25m.

Hours of Countries compared with 12 o'clock, or Noon, at New York.

It is 2h. 57m. A.M. at Sydney, Australia.	It is 11h. 38m. 26s. at Toronto, C.W.
0h. 16m. P.M. at Madras, India.	11h. 47m. A.M. at Baltimore.
1h. 20m. P.M. at Placentia Bay, Newf'd	11h. 55m. A.M. at Philadelphia.
4h. 56m. P.M. at London, England.	11h. 47m. A.M. at Washington.
6h. 36m. A.M. at Owhyhee, Sandwich Is'ds	12h. 11m. P.M. at Boston, Mass.
8h. 46m. A.M. at Fort Vancouver.	5h. 49m. P.M. at Berlin, Prussia.
8h. 43m. A.M. at Astoria, Oregon.	6h. 52m. P.M. at Constantinople, Turkey.
12h. 40m. P.M. at Halifax, Nova Scotia.	4h. 33m. P.M. at Dublin, Ireland.
12h. 1m. P.M. at Montreal, Canada.	5h. 5m. P.M. at Paris, France.
12h. 8m. P.M. at Quebec, Canada.	5h. 4'm. P.M. at Rome, Italy.
8h. 51m. 59s. A.M. at Sacramento, Cal.	6h. 57m. P.M. at St. Petersburg, Russia.
8h. 46m. 20s. at San Francisco, Cal.	6h. 1m. P.M. at Vienna, Austria.

MORNING STARS.

MERCURY, from January 10 to March 20, and from May 6 to July 4; also from September 10 to October 24.

VENUS, from February 20 to December 5.

MARS, from September 19 to the end of the year.

JUPITER, from January 5 to July 26, being visible before, and setting after sunrise.

SATURN, from March 14 to September 23, being visible before, and setting after sunrise.

EVENING STARS.

MERCURY, from March 20 to May 6, and from July 4 to September 10; also from October 24 to December 25.

VENUS, until February 20 and after Dec. 5

MARS, from January 1 to September 19.

JUPITER, from January 1 to January 5, also after May 17, rising before midnight.

SATURN, from January 1 to March 14; also from June 28 to the end of the year, rising before midnight.

A person with locked jaw, live over four days, he is apt to recover.