

# DR. RADWAY'S ALMANAC

FOR

# 1877.

Calculated for the Meridian of Washington, and answering approximately to Meridians of Montreal, Boston, New York, Charleston (S. C.), and New Orleans. See the rules for calculating the differences, at the end of the book.

## Synchronism of the Year of our Lord 1877.

The year 6590 of the Julian Period.

The year 5637 of the Jewish Era.

The year 2189 of the Grecian Era, or the Era of the Seleucidae.

The year 1294 of the Mohammedan Era, on the 1st of March.

The year 2630 since the foundation of Rome, according to Varro.

The year 385 since the discovery of America by Christopher Columbus.

The year 101 of the Republic of the United States of America.

Solar Cycle . . . . .	10	Dominical Letter . . . . .	
Lunar Cycle, or Golden Number . . . . .	10	Epact . . . . .	

## Movable Feasts of the Papists, and Episcopal Churches.

Carnival — Shrove Tuesday . . . . .	February 13	Rogation . . . . .	
Ash Wednesday . . . . .	February 14	Ascension . . . . .	
First Sunday in Lent . . . . .	February 18	Whit Sunday . . . . .	
Palms Sunday . . . . .	March 25	Trinity Sunday . . . . .	
Good Friday . . . . .	March 30	24th Sunday after Trinity . . . . .	November
Easter Sunday . . . . .	April 1	Advent Sunday . . . . .	December

There will be five Eclipses in 1877; three of the Sun, and two of the Moon.

The *first* is a Total Eclipse of the Moon, February 27, invisible in America.

The *second* is a Partial Eclipse of the Sun, March 14, invisible in America.

The *third* is a Partial Eclipse of the Sun, August 9, invisible in the United States.

The *fourth* is a Total Eclipse of the Moon, August 23, partly visible when the Moon rises.

The *fifth* is a Partial Eclipse of the Sun, September 7, invisible in the United States.

## EMBER DAYS

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

Spring, March 20; Summer, June 21, Autumn, September 22 Winter, December 21.

The Tides are calculated from the Meridian of the Moon, called vulgarly New Moon, when the Moon is southing or Moon's highest, as inserted in the fifth column of the Calendar.

For the Tides of New York, add 5h. 13m. to each day; for Boston, add 11n. 4m.; for Philadelphia, 13h. 4m.; for Baltimore, 15h. 59m.; and for Charleston, 7h. 26m.

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

It is 12h. 57m. A. M. at Sidney, Australia.  
 10h. 16m. P. M. at Madras, India.  
 1h. 20m. P. M. at Placentia Bay, Newf'd.  
 4h. 56m. P. M. at London, England.  
 6h. 36m. A. M. at Owyhee, Sandwich Isl'ds.  
 8h. 46m. A. M. at Fort Vancouver.  
 8h. 43m. A. M. at Astoria, Oregon.  
 12h. 40m. P. M. at Halifax, Nova Scotia.  
 12h. 1m. P. M. at Montreal, Canada.  
 12h. 8m. P. M. at Quebec, Canada.  
 8h. 51m. 59s. A. M. at Sacramento, Cal.  
 8h. 46m. 29s. at San Francisco, Cal.

It is 11h. 38m. 36s. at Toronto, C. W.  
 11h. 49m. A. M. at Baltimore.  
 11h. 55m. A. M. at Philadelphia.  
 11h. 47m. A. M. at Washington.  
 12h. 11m. P. M. at Boston, Mass.  
 5h. 49m. P. M. at Berlin, Prussia.  
 6h. 52m. P. M. at Constantinople, Turkey.  
 4h. 30m. P. M. at Dublin, Ireland.  
 5h. 5m. P. M. at Paris, France.  
 5h. 45m. P. M. at Rome, Italy.  
 6h. 57m. P. M. at St. Petersburg, Russia.  
 6h. 1m. P. M. at Vienna, Austria.