

DR. RADWAY'S ALMANAC

FOR

1892.

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

ECLIPSES IN 1892.

In the Year 1892 there will be four Eclipses, two of the Sun and two of the Moon.

I. A total eclipse of the Sun, April 26, 1892, invisible in the United States; visible in the South Pacific Ocean, and as a partial eclipse on the western coast of South America.

II. A partial eclipse of the Moon, May 11, 1892, partly visible in the eastern part of the United States, the moon rising in the Atlantic States about 7 P. M., nearly half an hour before the end of the eclipse.

III. A partial eclipse of the Sun, October 20, 1892, visible as a large eclipse in most parts of the United States, as follows:

The Lick Observatory, at Mount Hamilton, Cal., is outside the limits of visibility for this eclipse.

At the Carleton College Observatory, Northfield, Minn.:

Eclipse begins,	October 20th, 10 h. 41 m. morn.,	Central Standard Time.
Maximum Phase,	October 20th, 0 h. 3 m. eve.,	Central Standard Time.
Eclipse ends,	October 20th, 1 h. 26 m. eve.,	Central Standard Time.

Greatest Magnitude, nearly 6 digits.

At the Chicago Observatory, Ill.:

Eclipse begins,	October 20th, 10 h. 49 m. morn.,	Central Standard Time.
Maximum Phase,	October 20th, 0 h. 16 m. eve.,	Central Standard Time.
Eclipse ends,	October 20th, 1 h. 43 m. eve.,	Central Standard Time.

Greatest Magnitude, 6½ digits.

At New York City:

Eclipse begins,	October 20th, 0 h. 4 m. eve.,	Eastern Standard Time.
Maximum Phase,	October 20th, 1 h. 39 m. eve.,	Eastern Standard Time.
Eclipse ends,	October 20th, 3 h. 8 m. eve.,	Eastern Standard Time.

Greatest Magnitude, a little more than 5 digits.

At Boston, Mass.:

Eclipse begins,	October 20th, 0 h. 7 m. eve.,	Eastern Standard Time.
Maximum Phase,	October 20th, 1 h. 39 m. eve.,	Eastern Standard Time.
Eclipse ends,	October 20th, 3 h. 8 m. eve.,	Eastern Standard Time.

Greatest Magnitude, nearly 6 digits.

IV. A total eclipse of the Moon, November 4, 1892, not generally visible in the United States. The beginning is visible in the northwestern portions of North America, the Pacific Ocean, Asia, and eastern portions of Europe. The end is visible in the Northwest Pacific Ocean, Australia, Asia, and eastern portions of Europe and Africa.

CHURCH DAYS IN 1892.

Epiphany, January 6.

Septuagesima Sunday, February 14.

Sextagesima Sunday, February 21.

Quinquagesima Sunday, February 28.

Ash Wednesday, March 2.

Quadragesima Sunday, March 6.

Mid-Lent Sunday, March 27.

Palm Sunday, April 10.

Good Friday, April 15.

Easter Sunday, April 17.

Low Sunday, April 24.

Rogation Sunday, May 22.

Ascension Day, May 26.

Whit Sunday (Pentecost), June 5.

Trinity Sunday, June 12.

Corpus Christi, June 16.

Advent Sunday, November 27.

Christmas, December 25.

THE EMBER DAYS ARE:

	Wednesday,	Friday,	Saturday.
March, - - - - -	9	11	13
June, - - - - -	8	10	11
September, - - - - -	21	23	24
December, - - - - -	14	15	17

CYCLES OF TIME.

Dominical Letters, C and B.
Epoct, 1.

Golden Number, 12.
Solar Cycle, 25.

Roman Indiction, 6.
Julian Period, 6638.

The year 5553 of the Jewish Era begins at Sunset, September 21, 1892.

SEASONS FOR 1892. EASTERN STANDARD TIME.

1891. WINTER begins	December 21 d. 9 h. 31 m. eve.,	and lasts 89 d. 0 h. 43 m.
1891. SPRING begins	March 19 d. 10 h. 11 m. eve.,	and lasts 92 d. 20 h. 2 m.
1892. SUMMER begins	June 30 d. 6 h. 16 m. eve.,	and lasts 93 d. 14 h. 35 m.
1892. AUTUMN begins	September 22 d. 3 h. 51 m. morn.,	and lasts 89 d. 18 h. 20 m.
1892. WINTER begins	December 21 d. 3 h. 11 m. morn.,	Tropical Year, 365 d. 5 h. 40 m.

PLANETS BRIGHTEST OR BEST SEEN, 1892.

MERCURY, January 19, before sunrise.
MERCURY, March 31, after sunset.
MERCURY, May 17, before sunrise.
MERCURY, July 29, after sunset.
MERCURY, September 11, before sunrise.

MERCURY, November 23, after sunset.
MERCURY, December 31, before sunrise.
VENUS, April 23, before sunrise, at greatest elongation E. 45° 34'.
VENUS, June 2, at greatest brilliancy, before sunrise.

MARS, at Opposition, August 4.
JUPITER, at Opposition, October 15.
SATURN, at Opposition, March 16.
URANUS, at Opposition, April 23.
NEPTUNE, at Opposition, December 1.

The Planets Mercury and Venus as Morning and Evening Stars.

MORNING STARS.—MERCURY from the beginning of the year to March 6, and from April 19 to June 20, and from August 25 to October 7, and from December 11 to the end of the year. VENUS until July 9.

EVENING STARS.—MERCURY from March 6 to April 19, and from June 20 to August 25, and from October 7 to December 11. VENUS from July 9 to the end of the year.