ADWAY'S ALMANAC

1888

ALCULATED 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 1888.

an the Year 1888 there will be three Eclipses of the Sun and two of the Moon.

1. A Total Enlipse of the Moon, January 28, visible generally in the Eastern parts of the United States.

~	Dec.	In	terco	lonial.		Easte	rn.		Cent	ral.	B	foun	tain.		*Paci	fie.
Eclipse begins	28 28 28 28 28	H. 5 6 7 8 9	M. 30.5 31.1 20.1 9.1 9.7	eve.	H. 4 5 6 7 8	M. 30,5 31,1 20,1 9,1 9,7	eve.	H. 3 4 5 6 7	M. 30,5 31.1 20.1 9.1 9.7	eve.	H. 2 3 4 5 6	M. 30.5 31.1 20.1 9.1 9.7	eve.	H. 1 2 3 4 5	M. 30,5 31,1 20,1 9,1 9,7	eve,

If a phase occurs at any place before sunset, it will usually be invisible at that place,

A partial Eclipse of the Sun, February II, invisible in the United States.
 A partial Eclipse of the Sun, July 9, invisible in the United States.
 A ducial Eclipse of the Moon, in the evening of July 22nd, and morning of July 23, visible over the whole continent of North and South America.

July.		Intercolonial.	Eastern.	Central.	Mountain.	Pacifie.		
Echpse begins	2 ²²	H. 3. 0 54 morn. 0 54 " 1 45 " 2 36 " 3 35 "	D. H. M. 22 10 55 ev 22 11 54 23 0 45 m. 23 1 36 " 23 2 35 '	D. H. M. 22 0 55 eV 22 10 54 ··· 22 11 45 ··· 23 0 36 m. 23 1 35 ···	22 9 54 " 22 10 45 "	22 8 54 " 22 9 45 " 22 10 36 "		

V. A partial Eclipse of the Sun, August 7th, invisible in the United States, except in the Northern part of

SEASONS FOR 1888 .- (Eastern Standard Time.)

WINTER begins 1887, Becember, 21 d. 10 h. 5 m. eve., and lasts 89 d. 0 h. 51 m. Spring begins 1888, March, 19 d. 10 h. 55 m. eve., and lasts 92 d. 20 h. 18 m. Summer begins 1888, Thue, 20 d. 7 h. 14 m. morn, and lasts 93 d. 14 h. 39 m. Winter begins 1888, December, 21 d. 4 h. 3 m. morn. Tropical Year 366 d. 5 h. 58 m.

CHURCH DAYS AND JOY	CLES OF TIME, 1888
Septuagesima Sunday January 29 Sexagesima Sunday February 15 Quinquagesima Sunday February 15 Ash Wednesday February 11 Ash Wednesday February 15 Quadragesima Sunday February 16 Quadragesima Sunday March 20 Hiddent Merch 4 Palm Sunday March 30 Good Friday March 30 Easter Sunday April 1	Low Sunda

PLANETS REGARDED AS MORNING AND EVENING STARS.

MORNING STARS.—MERCURY to January 18, and from March 3 to May 10, and from July 8 to August 23, and from October 31 to December 28. Venus to July 11.

EVENING STARS.—MERCURY from January 18 to March 3, and from May 10 to July 8, and from August 23 to October 31, and from December 27 to the end of the year. Venus from July 11 to the end of the year.

	come or	ne year. That's from bury 11 to 100 year	
Dominical Letter. Epact Golden Number Solar Cycle. Roman Indiction	17.	Julian Period Dionysian Period The year 5649 of the Jewish Era begins at sunset September 6, 1888.	6601 217 t on

PLANE'S BRIGHTEST, OR BEST SEEN.

MERCURY February 16, after sunset; MERCURY March 30, before sunrise; MERCURY June 11, after sunset; MERCURY November 16, before sunrise; MERCURY October 7, after sunset; MERCURY November 16, before sunrise; Yenus not this year; Mars April 10; JUPITER May 17; SATUEN JANUARY 23.

^{*} The Pacific dates are one hour earlier than the Mountain.