## BADYAY'S ALMANAC <br> FOR

## 1888.

Calculated for the Meridian of Washington, D. C., and answering approximately for Merimans (f) Fontreal, Boston, New York, Charleston (S. C.), and New Orleans.

## JOYIPET토 IN LBBE.

an the Year 1888 there will be three Eelipses of the Sun and two of the Moon.
(- A Tofal Eelipse of the Moon, January 28, visible generally in the Bastern parts of the United States.

| Dee. | Intercolonial. |  |  | Eastern. |  |  | Central. |  |  | Mountain. |  |  | *Pacific. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 | $H$. 5 | M. 30.5 | eve. | H. 4 | ${ }_{\text {M }}^{\text {M }}$. 5 | eve. | H. | M. 30.5 | eve. | H. | ${ }_{30.5}^{\text {m. }}$ | eve, | H. | M. 30.5 | eve, |
| 28 |  |  | 4 | 5 | 31.1 | $\because$ | 4 | 31.1 | 4 |  | 31.1 | \& |  | 31.1 | , |
| 28 |  | 20.1 | 4 | 6 | 20.1 | ${ }^{*}$ | 5 | 20.1 | 4 |  | 20.1 | 4 | 3 | 20.1 | 4 |
| 28 |  | 9.1 | 4 | 7 | 9.1 | 4 | 6 | 9.1 | 6 | 5 | 9.1 | 4 | 4 | 9.1 | 4 |
| 29 |  | 9.7 | 4 | 8 | 9.7 | 4 | 7 | 9.7 | 4 |  | 9.7 | 4 | 5 | 9.7 | 4 | Eelipay begins. Total phase begin.......... - Midate br Eclipse.

To mitphase ends
velinge ell
A1 O
7 f a phase oceurs at any place before sunset, it will usually be invisible at that place.

1. A partial Eclipse of the Sun, February 11, iuvisible in the United States.

FII. Apprtial Eelipse of the Sun, July 9, invisible in the United States.
-20Ahtal Eclipse of the Moon, in the evening of July 22nd, and moruing of July 23, visible over the whole continent of North and south America.

V. A partial sclipse of the Sun, August 7th, invisible in the United States, except in the Northeru part of Alaska.

## SpASONS FOR 1888, -(Eastern Standard Time.)

Wimptwhegins 1889 - Pecember, 21 d .10 h .5 m , eve,, and lasts $89 \mathrm{~d} .0 \mathrm{~h}, 51 \mathrm{~m}$. Splawio begins 1888, Match, 19 d .10 h .56 m . eve., and lasts 92 d .20 h .18 m .
 Winter begins 1888, Dedember, 21 d .4 h .3 m . morn. Tropical Year 366 d .5 h .58 m ,

## CHUROH DAYS AND CYCLES OF TIME 1898



## PLANETS REGARDED AS MORNIVG AND EVENING STARS.

MORNING STARS, MrRCvR To Jimmary 18, and from Mareh 3 to May 10, and from July 8 to August 23, and from October 31 to December 28. Vexve to July 11.

EVRNING STARS. -MkRcver from Nanary 18 to March 3, and from May 10 to July 8, and from Angust 23 to October 31, and from Decemper 28 to the end of the year. Vexws from July 11 to the end of the year. Dominical Letter. $\qquad$

## PLANENS BRIGHTEST, OR BEST SEEN.

Mrrcuny February 16, after sunset; Mrrctry March 30, before sunrise: Mrrcury June 11, after sunsèt: Mrectry July 28, beforesuntise: Mercory October 7, after smmset; Mercumy Nevember 16, before sunrise; Vhens not this year; Maks April 10; Jupitsh May 17; Saturn January 23.

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[^0]:    ${ }^{*}$ The Pacific dates are one hour carlier than the Mountain.

