

[1880

RICHARD FARMER.

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HARVIE'S BOOKSTORE. Queen Square.

1880.]

ALMANAC.

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EXPLANATIONS AND Principal Articles of the Calendar for 1880.

EXPLANATIONS.

All the calculations are reduced to the nearest minute, local mean time, for Charlottetown, with the exception of the equation of time, which is given for apparent noon, and the sun's declination for mean noon, both Greenwich time. The sun's right ascension is omitted to afford space for the hourly variations for the above named columns.

If the sun's declination at apparent noon is required as for observations for latitude, it may be readily found by multiplying the hourly variation of declination, by the equation of time reduced to the decimal of an hour and applying the product to the declination at mean noon, attending to the following directions:

DECLINATION INCREASING.		DECLINATION DECREASING.	
Sun slow of clock. Add.	Sun fast of clock. Subtract.	Sun slow of clock. Subtract.	Sun fast of clock. Add.

Example—Required, the sun's declination at Greenwich, apparent noon, for January 1 and April 1:

Jan. 1, hourly variation, Decln., 12.06"	April 1, hourly variation, 57.71"
Equation, 3' 37.78" = .0605"	Equation, 3' 46.60" = .0629"
6030"	51939
Declination decreasing } subtract 72360	Declination increasing } Add, 11542
Sun slow, } .729.630	Sun slow, } 346226
Declination mean noon, 23° 2' 90.3"	Decln, mean noon, 4° 48' 9.1"
7	3.63
App. noon, 23° 2' 19.0"	App. noon, 4° 48' 12.7"

Tremaine & Metcalf