CALCULATIONS FOR

An Almanac for the Year of our Lord **1856**, being Bissextile, and (until the 4th of July,) the 80th year of American Independence. Adapted to the Horizon and Meridian of New York.—By Samuel H. Wright, Dundee, Yates Co., N. Y.

CHRONOLOGICAL CYCLES AND MOVEABLE FEASTS.

Dominical Letters,	F. E.	Easter Sunday,	March 23.
Golden Number, or Lunar Cycle,	14	Rogation Sunday,	April 27.
Epact, (Moon's age,) January 1st,	23	Ascension Day,	May 1.
Solar Cycle,	17	Whitsunday, (Pentecost,)	May 11.
Roman Indiction,	14	Trinity Sunday,	May 18.
Julian Period,	6569	Advent Sunday,	Nov. 30.

EQUINOXES AND SOLSTICES.

		D.	H.	M.	
Vernal Equinox,	March	20	5	17	M.
Summer Solstice,	June	21	2	6	M.
Autumnal Equinox,	Sept.	22	4	21	E.
Winter Solstice,	Dec.	21	10	7	M.

CUSTOMARY NOTES.

VENUS will be Morning Star until July 19th, then Evening Star until May 10th, 1857. MARS will be Morning Star until April 1st, then Evening Star until June 7th, 1857. JUPITER will be Evening Star until March 5th, then Morning Star until September 26th, then Evening Star until April 11th, 1857. SATURN will be Evening Star until June 24th, then Morning Star until December 31st, then Evening Star until July 10th, 1857.

The MOON will run lowest this year on October 6th, to the 3d degree of Sagittarius, having a declination of 28° 36′ 1.2″ south. It will run highest on the 18th of October, to the 3d degree of Gemini, having a declination of 28° 35′ 32.2″ north. This declination is about a *maximum*, by which the MOON can run much further north and south than the SUN ever can by about 5° 8′ 48″. The longitude of the MOON's Ascending Node, June 1st, 30° 11.1′ and on the 31st of December it will be 10° 51.4′. Apparent obliquity of the ecliptic July 9th, 23° 27′ 36.11″.

The SUN will be north of the Equator this tropical year, dating from the Solstice of December, 1855, 186 days, 11 hours, 4 minutes; and south of it, 178 days, 18 hours, 47 minutes; showing a difference of 7 days, 16 hours, 17 minutes; which is caused by the slower motion of the Earth when near its aphelion in July.

Distance of the EARTH from the SUN, July 2d, 96,702,364 miles; its mean distance March 31st, and October 2d, 96,103,000 miles.

MARS will move from east to west past stars in the sky, from February 24th, to May 14th, a distance of about 18°. JUPITER will move in the same manner from July 29th, to November 24th, a distance of 9°. SATURN moves in the same direction until February 23d, and from October 26th, to the end of the year. Venus moves directly, or from west to east, all the year.

The planet JUPITER will be Eclipsed by the MOON on the 19th of August, visible. It disappears at 1 o'clock and 5 minutes, in the Morning, at Washington, and reappears at 1 hour and 59 minutes.

ECLIPSES IN THE YEAR 1856.

There will be two Eclipses of the SUN, and two of the MOON this year, the latter being visible.

I. A Total Eclipse of the SUN, April 5th, invisible.

II. A Partial Eclipse of the MOON, April 20th, in the Morning, visible.

Stereotyped by VINCENT DILL, Jr., Nos. 29 & 31 Beekman Street, N. Y.