

# Maclear & Co.'s Canadian Almanac, FOR THE YEAR 1856.

## CHRONOLOGICAL CYCLES, &c., 1856.

Dominical Letter	F E
Lunar Cycle or Golden Number	14
Jewish Lunar Cycle	11
Epact (Moon's Age, January 1st)	23
Solar Cycle	17
Roman Indiction	14
Dionysian Period	185
Julian Period	6569
The year 5617 of the Jewish Era com. Sept. 30th	1856
The year 1273 of the Mahom. Era com. Sept. 1st	1856
Year of the World (Usher)	5860
Year of the World (Jews)	5616
Year of the World (Septuagint)	7364
Year A. U. C. (Building of Rome)	2629
Year of the Olympiads	2632
Year of the Era of Nabonassar	2003
The 20th of Her Majesty's Reign begins June 20th	1856
The 31st of the Indep. of the U. S. begins July 4th	1856

## FIXED AND MOVEABLE FEASTS, &c., 1856.

Septuagesima Sunday	Jan'y 20
Quinquagesima Sunday	Feb'y 3
Ash Wednesday, or First of Lent	Feb'y 6
Quadragesima Sunday	Feb'y 10
First Sunday in Lent	Feb'y 24
Mid Lent Sunday	Mar. 16
Palm Sunday	Mar. 21
Good Friday	Mar. 23
EASTER SUNDAY	Mar. 30
Low Sunday	Apr. 27
Ascension Sunday	May 1
Ascension Day—Holy Thursday	May 11
Whit Sunday—Pentecost	May 18
Trinity Sunday	May 22
Corpus Christi	May 29
Midday of the Year	July 1
Advent Sunday	Nov. 30
Birth of Queen Victoria	May 24
Birth of Prince Albert	Aug. 26

## THE SEASONS, 1856.—TORONTO.

	D.	H.	M.
Winter Solstice (1855) December 22	3	31	mor.
Vernal Equinox, March 20, 1856	4	32	mor.
Summer Solstice, June 21	1	21	mor.
Autumnal Equinox, September 22	3	36	even.
Winter Solstice, December 21	9	22	mor.
Sun in Winter Signs	89	1	1 mor.

## THE SEASONS 1856.—TORONTO.

	D.	H.	M.
Sun in Spring Signs	92	20	49
Sun in Summer Signs	93	14	15
Sun in Autumnal Signs	89	17	46
Tropical Year	365	5	51
Sun North of Equator	186	11	4
Sun South of Equator	178	18	47

## MORNING STARS, 1856.

Venus until July 19th, 1856.
Mars until April 1st, 1856.
Jupiter from March 5 to Sept. 26.
Saturn from June 24 to Dec. 31.

## EVENING STARS, 1856.

Venus from July 19th to May 10th, 1857.
Mars from April 1st to June 7th, 1857.
Jupiter until March 5th, and from Sept. 26th, to April 11th, 1857.
Saturn until June 24th, 1856.

## TO THE READER.

**SUN'S RISING AND SETTING.**—There are two kinds of time used in common Almanacs, for the Sun's Rising and Setting. One is *Clock* time, and the other is *Apparent* or *Sun* time. *Clock* time is *always* right, while *Sun* time *varies* every day, and is alternately too "Fast" or too "Slow." Hence it is that two Almanacs made by the same calculator, for the same year and place, will give the Sun's rising and setting very differently, if a *different* kind of time is used in each. Persons observing this must not think that either is wrong. According to apparent time the sun will always rise and set at six o'clock, at the time of its crossing the equinoctial; but this is never the case according to Clock time, or *true* time. If the sun was in the meridian, or at the noon mark, at 12 o'clock every day, then *apparent* time would be true, and the sun would always rise and set at 6 o'clock, when at the equinoxes. People generally suppose it is 12 o'clock when the sun is in mid-heaven, or at the noon mark. In this there is a great mistake, for the sun is so irregular, that it does not come to these points at 12 o'clock oftener than four times in a whole year. In this Almanac we give the time exact to the nearest second that a correct clock must show, when the sun is in the meridian and shadow at noon mark, for every day in the year. When the sun is at the noon mark it is *noon*, but not twelve o'clock very often.

## To ascertain the Length of the Day and Night.

At any time of the year add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising for the length of the day.

Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning, for the length of the night. These rules are equally true for *apparent* time.

## Explanation of the Signs used in this Almanac.

☾ New Moon, and Moon generally. ☾ First Quarter. ☾ Full Moon. ☾ Last Quarter. ☾ Moon's ascending Node. ☾ Descending Node. ☾ in Apogee—farthest from the Earth. ☾ in perigee—nearest to the earth. ☾ Highest—Moon farthest North. ☾ Lowest—Moon farthest South. ♄ Saturn. ♀ Venus. ♂ Near together. ♃ Jupiter. ☿ Mercury. ☐ 40 apart. ♄ Opposition, or 180° apart. ♄ Mars. 7\* Stars. ☼ Sun. ☿ Herschel. ♃ Neptune.

## Directions for finding the True Time.

The Sun, as we have stated before, is on the meridian at 12 o'clock on four days only of the year. It is sometimes as much as 16½ minutes before or after twelve, when its shadow strikes the noon mark on the sun-dial. On each calendar page of this Almanac is shown the exact time when the sun reaches the meridian, or the shadow the noon mark; and in order to set a clock or watch correctly, it must, when it is noon by the sun dial or noon mark, be set at the time indicated in the Almanac. Thus, on the 25th of January, when the sun is on the noon mark, the watch must be set 12 minutes and 34 seconds past 12, which will be the true time. The Practice of setting time-pieces by the rising or setting of the Sun or Moon, is not strictly correct; as the unevenness of the earth's surface and intervening objects, such as hills and forests, near the points of rising and setting, occasion a deviation, in every place from the time expressed in the Almanac, which time is adapted to a smooth, level horizon. The only means of keeping correct time, is by the use of a noon-mark or a meridian-line.

## Astronomical Notes for 1856.

The Moon will run lowest this year on October 6th, to the 3rd degree of Sagittarius, having a declination of 28° 36' 1.2" south. It will run highest October 18th, to the 3rd degree of Gemini, having a declination of 28° 35' 32.2" north.

This declin  
Moon's Asc  
9, is 23° 27'

Distance  
will be north  
ence of 7 d.

Mercury  
in the east  
unfavourable  
N. B.—The  
equinox, 1

The num  
of the plane

1856.

January  
February  
March 15.  
April 15.  
May 15.  
June 15.

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SETTING of a  
apparition, a  
diurnal arcs  
after midnigh  
the next day.

## Stars.

Almaach  
Alpha  
Mira  
Menkar  
Algol  
Algenib  
Aleyone  
Aldebaran  
Capella  
Rigel  
El Nath  
Bellatrix  
Mistaka  
Thet  
Petalgueso  
Sirius  
Castor

These Pages  
on the latitude  
Provinces and  
THE SUN'S R  
of 36 min. 6.86  
THE MOON'S  
MOON'S PLAC  
the Zodiac, to  
signs.

MOON'S AGE.  
MOON SOUTH  
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TWILIGHT—  
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THE MOON'S  
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THE COLUMN  
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The time of  
preceding Uppe  
Passage of the  
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Star, for sever