

To produce either a solar or a lunar eclipse, the new or full moon must be in the act of crossing the sun's annual track. This point of crossing is called the *moon's node*, and became, therefore, an object of the deepest interest. Long and careful scrutiny revealed the fact of its movement around the ecliptic, in a period of 18 years and 11 days, during which time there occur 228 new moons, or 223 full moons. If, then, a new moon falls on the sun's track to produce a solar eclipse to-day, at the expiration of 223 lunations, again will the new moon fall on the ecliptic, and an eclipse will surely take place. Suppose, then, that all the eclipses which occur within this remarkable period of 223 lunations are carefully observed, and the days on which they fall recorded, on each and every one of these days, during the next period of 223 lunations, eclipses may be expected, and their coming foretold. This wonderful period of 18 years and 11 days, or 223 lunations, was known to the Chaldeans, and by its use eclipses were predicted, more than 3000 years ago. It is likewise found among the Hindoos, the Chinese, and the Egyptians, nations widely separated on the earth's surface, and suggesting the idea that it had its origin among a people even anterior to the Chaldeans. Let it not be supposed that the application of the Chaldean period or *Zares* to the prediction of eclipses, can in any way supersede modern methods. While antiquity contented itself with announcing the *day* on which the dark body of the moon should hide the sun, modern science points to the exact *second* on the dial, which shall mark the first delicate contact of the moon's edge with the brilliant disc of the sun.

FIXED AND MOVEABLE FEASTS, ANNIVERSARIES, &c.

Circumcision	Jan. 1	Trinity Sunday	May 22
Epiphany	6	Q. Victoria b. 1819	24
Septuagesima Sunday ..	24	Princess Helena, b. 1846 ..	25
Princess Royal, m., '58 ..	25	Corpus Christi	26
Quinq. or Shrove Sun... Feb.	7	Access. Q. Victoria, 1837 ..	June 20
Ash-Wednesday	}	St. John Baptist	}
Queen Victoria m. 1840. }	10	Midsummer Day	24
First Sunday in Lent... }	14	Coronation Q. Victoria, '38	28
ST. DAVID	Mar. 1	St. Peter and St. Paul ...	29
ST. PATRICK	17	Lammas Day	Aug. 1
Princess Louisa b. 1848 ..	18	Prince Alfred b. 1844 ...	6
Palm Sunday	20	St. Michael	}
Annunciation—Lady Day }	25	Michaelmas Day	Spt. 29
Good Friday	}	All Saints	Nov. 1
Easter Sunday	27	Prince of Wales b. 1841 ..	9
Low Sunday	April 3	Princess Royal b. 1840 ..	21
Prince Leopold, b. 1853 ..	7	Advent Sunday	27
Princess Beatrice, b. 1857.	14	ST. ANDREW	30
ST. GEORGE	23	Pr. Consort died, Æt. 42 ..	Dec. 14
Princess Alice b. 1843 ...	25	St. Thomas	21
Rogation Sunday	}	CHRISTMAS DAY	25
Prince Arthur b. 1850 .. }	May 1	St. Stephen	26
Ascension Day	}	St. John, Evangelist ...	27
Holy-Thursday	5	Innocents	28
Whit Sunday—Pentecost.	15		