

V. A total eclipse of the Sun Dec. 11th, invisible in North America, but will be seen by the inhabitants of Asiatic Russia, part of Hindostan, &c.

VI. A partial eclipse of the Moon, Dec. 26th, invisible in P. E. Island.

FIXED AND MOVEABLE FEASTS, ANNIVERSARIES, &c.

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|------------------------------|---------|------------------------------|----------|
| Circumcision | Jan. 1 | <i>Ascension Day,</i> | May 20 |
| Epiphany | 6 | Rest. K. Charles II | 29 |
| Martyrdom K. Charles I. | 30 | <i>Pentecost, Whit. Sun.</i> | 30 |
| <i>Septuagesima Sund.</i> | Feb. 8 | <i>Trinity Sunday</i> | June 6 |
| <i>Sexagesima Sunday</i> | 15 | <i>Corpus Christi</i> | 10 |
| <i>Quinq. or Shrove Sun.</i> | 22 | Accession Q. V. '37 | 20 |
| <i>Ash Wednesday</i> | 25 | St. John Baptist | 24 |
| <i>1st Sunday in Lent</i> | 29 | Midsummer day | 24 |
| St. David | March 1 | Coronation of Q. Victoria | 28 |
| St. Patrick | 17 | St. Peter & St. Paul | 29 |
| Princess Louisa b. '48 | 18 | Pr. Alfred b. 1844 | Aug. 6 |
| Annunciation B.V.M. | 25 | Prince Albert b. 1819 | 26 |
| Lady Day | 25 | St. Michael—Michael- | |
| <i>Palm Sunday</i> | April 4 | mas day | Sept. 29 |
| <i>Good Friday</i> | 9 | All Saints' day | Nov. 1 |
| <i>Easter Sunday</i> | 11 | Gunpowder Plot | 5 |
| St. George | 23 | Prince of Wales b. '41 | 9 |
| Princess Alice b. 1843 | 25 | Princess Royal b. '40 | 21 |
| <i>Low Sunday</i> | 18 | <i>1st Sunday in Advent</i> | 28 |
| Pr. Arth. Wm. Patrick | | St. Andrew | 30 |
| Albert, b. 1850, | May 1 | St. Thomas | Dec. 24 |
| Q. Victoria born, | 24 | Christmas Day | 25 |
| <i>Rogation Sunday</i> | 16 | St. Stephen | 26 |
| Princess Helena, b. '46 | 25 | St. John, Evang. | 27 |

All the calculations in this Almanac have been made to *mean time*. The equation of time, however, or that by which *apparent time* may be converted into *mean* and *vice versa*, has been given for every day in the year. As this table should be of much more practical importance to people in general than the precise moment of the moon's phases, it may not be improper to enter into some explanation. A day is the interval of time between the departure of any meridian from a heavenly body and its succeeding return to it, and derives its name from the body with which the motion of the meridian is compared. The

interval between the to the sun's centre the moon the interv a star a *sidereal* day invariable length, a by astronomical clo ry purposes of life, standard of time, it any sufficiently strik which regulates the out by nature to fi obliquity of the ecl earth in her orbit, t val of time. Unlike days are exactly e our clocks and wat which has been fou philosophy have been c driving timepieces computed average and clocks, therefo sun-dials, and othe *apparent time*; and difference between days in each year, and mean time are year, April 15th, J 4th. On these day but on any other, in *clock mark* (and the proper equation alied.

For instance, if I try next, when the show 14 minutes p able of that day th Again, on Novem the clock should sh lock on that day, less than this, it s However, as the the sun and moon and watches can be sufficient accuracy.