

- Lunar phases, nodes, etc. *See*
 Moon's phases, nodes, etc.
 Magnifying power of an eye-
 piece, 65.
 Major planets defined, 191.
 Mars, physical description, 233.
 Mars, rotation, 234.
 Mars's satellites discovered by
 HALL (1877), 233.
 MASKELYNE determines the den-
 sity of the earth, 145.
 Mass of the sun in relation to
 masses of planets, 167.
 Mean solar time defined, 45.
 Mercury's atmosphere, 244.
 Mercury, its apparent motions,
 231.
 Meridian (celestial) defined, 27.
 Meridian circle, 72.
 Meridians (terrestrial) defined,
 27.
 Metonic cycle, 183.
 Meteoric showers, 269.
 Meteors and comets, their re-
 lation, 271.
 Meteors, their cause, 265.
 Milky Way, 239.
 Milky Way, its general shape ac-
 cording to HERSCHEL, 319.
 Minor planets defined, 191.
 Minor planets, general account,
 237.
 Mira Ceti (variable star), 296.
 Months, different kinds, 182.
 Moon, general account, 223.
 Moon's light ~~stages~~ of the sun,
 233.
 Moon's phases, 123.
 Moon's parallax, 161.
 Moon's surface, does it change?
 232.
 Motion of stars in the line of
 sight, 310.
 Nadir of an observer defined, 18.
 Nautical almanac described, 79.
 Nebulae and clusters in general,
 304.
 Nebulae, their spectra, 309.
 Nebular hypothesis stated, 322.
 Neptune, discovery of, by LE
 VERNIER and ADAMS (1846),
 256.
 Neptune, general account, 256.
 Neptune's satellite, 260.
 New stars, 298.
 NEWTON (I.) calculates orbit of
 comet of 1680, 280.
 NEWTON (I.), Laws of Force,
 115.
 Objectives, or object-glasses, 60.
 Obliquity of the ecliptic, 91.
 Occultations of stars by the moon
 (or planets), 140.
 OLBERS's hypothesis of the ori-
 gin of asteroids, 239.
 OLBERS predicts the return of a
 meteoric shower, 269.
 Old style (in dates), 185.
 Opposition (of a planet to the
 sun) defined, 85.
 Parallax (annual) defined, 58.
 Parallax (horizontal) defined, 56.
 Parallax (in general) defined, 50.
 Parallax of the sun, 161.
 Parallax of the stars, general ac-
 count, 314.
 Parallel sphere defined, 28.
 Penumbra of the earth's or moon's
 shadow, 131.
 Photosphere of the sun, 201.
 PIAZZI discovers the first asteroid
 (1801), 237.