

INDEX TO VOL. IV.

- ABDURRAHMAN SUFI**, his notice of nebulous spots, 15, 44.
- Absence of solar spots and bad harvests, supposed connection of, Sir William Herschel on, 68.
- Acosta, on the black specks of the southern hemisphere, 50.
- Adams and Leverrier, claims of, to the discovery of Neptune, 179.
- Aërolites, of extra-terrestrial cosmical origin, 199; fall of, 219.
- Alphonsine Tables, their date, 15.
- Anaxagoras of Clazomene, on meteoric stones, 206.
- Andromeda, nebula in, its discovery, 16; further researches, 17, 18; not noticed by Huygens, 38.
- Anghiera. See Peter Martyr.
- Annular nebulae, rare, 32.
- April, falling stars in, 214.
- Apsides, line of motion of, 128.
- Arabian notices of the Magellanic Clouds, 15, 44.
- Arago, on the physical constitution of the Sun, 62.
- Arago and Plateau, different views of, on irradiation, 148.
- η Argus, nebula round, its magnificent effulgence, 41.
- Asterion, spiral nebula in, 42.
- Asteroids, 57; numerical data, 213; Olbers's conjecture as to their origin, 164.
- Astræa, discovery of, 100; elements, 163.
- Atmosphere, lunar, disproved, 147.
- August, falling stars in, 214.
- Axes of rotation, inclination of, 121.
- Axial rotation of the planets, periods of, 120.
- Bessel, on the planet beyond Uranus, 179.
- Biela's Comet, separation of, into two parts, 193; elements, 197.
- Black specks in the southern hemisphere, 50.
- Bode, on solar spots, 66; his law of planetary distance, 116.
- Bond, nebulae resolved by, 32, 39.
- Brorsen's Comet, elements, 197.
- Cadamosto seeks for a south polar star, 28.
- Canes Venatici, spiral nebula in Asterion, one of, 42; a most remarkable phenomenon, 42.
- Canopi, three, of Vespucci, 46.
- Cape Catalogue (or Southern Catalogue) of Sir John Herschel, 26.
- Cape Clouds, or Magellanic Clouds, 43; southern clouds vaguely so called, 45.
- Cassini, on nebulae, 19; on the Sun's spots, 65.
- Ceres, discovery of, 100; elements, 163.
- Chinese statements as to the obliquity of the ecliptic, 125; as to comets, 186; as to falling stars and meteoric stones, 206.
- Classification of nebulae, 19, 32; of planets, 101.
- Coal-bags, or coal-sacks, in the southern hemisphere, 50.
- Colored glasses, early use of, by Belgian pilots, 65.
- Comet of Aristotle, 187.
- Comet of Colla and Bremiker, 196.
- Comet, Halley's, 186, 195.
- Comet, Olbers's, 195.
- Comets, orbits of, indicate the limits of the solar system, 57; called light-clouds by the Greeks, 181; hypothesis of their similarity to asteroids, 182; number discovered annually, 184; re-appearance of Halley's Comet, 186; Chinese statements, 186; Comet of Aristotle, 187; tails of comets, 189, 192; radiant heat, 191; Lexell's Comet, 191; Biela's Comet, 193; numerical data, 195; elements of the six interior comets, 197; inclination of the orbits, 198; Chaldean opinions on, 200.
- Craters of the Moon, 155.
- Crema, great fall of aërolites at, 220.
- Cusa, Cardinal de, his remarkable views of the physical constitution of the Sun, 62; on the motion of the Earth, 64.
- Cygnus, nebula in, 46.
- D'Arrest's Comet, elements, 197.
- Days and hours, planetary, 94.
- December, falling stars in, 216.
- De Hoces discovers the southern extremity of the new continent, 46.
- Densities of the planets, 119.
- De Vico's Comet, elements, 197.
- Dione, a satellite of Saturn, 174.
- Distances of the planets from the Sun, 107.
- Double nebulae, 32.
- Double stars differ in their natural character from our solar system, 53.
- Dunlop, his observations of nebulae at Paramatta, 22, 26.
- Earth, the, distance, and other numerical data, 141; nutation, 105, 125.
- Earth-light, what, 144; known to Leonardo da Vinci, 145.
- Egeria, discovery of, 101; elements, 163.
- Elliptical nebulae, named the normal type, 31.