

- tion of the vertebrae in ichthyosaurus, i. 179; his remarks on the paddles of ichthyosaurus, i. 184; his restoration of plesiosaurus, i. 204; his inferences concerning plesiosaurus, i. 211, 214; his observations on faults, 542.
- Coniferæ, date of their commencement, i. 488; microscopic structure of, i. 484; peculiarities in structure of, i. 486; geological extent of, i. 485, 489; fossil referrible to existing genera, i. 488; fossil stems in erect position, i. 489; wood of, perforated by teredines, i. 480.
- Consolidation of strata, partly by aqueous, partly by igneous action, i. 65.
- Coprolites, description of, i. 188; extensive occurrence of, i. 189; found in skeletons of ichthyosauri, i. 190; marks of mucous membrane on, i. 194; formation explained, *note*, 194; indicate the food of ichthyosauri, and character of their intestinal canal, i. 197; derived from fishes in various formations, i. 198; polished for ornamental purposes, i. 199; conclusions from discovery of, i. 202; in coal formation near Edinburgh, i. 275; preserved in body of macropoma, i. 284.
- Coral, secreted by polypes, i. 442; reefs, i. 444; their influence in the formation of strata, i. 445; fossil, inference from their state, i. 116; rag. extent of, in counties of Oxon, Bucks, Wilts, and Yorkshire, i. 445.
- Corn-cockle muir, tracks of tortoises at, i. 259.
- Cornwall, amount of steam power employed in, i. 534; invasions of by drifted sand, i. 127; disposition of metallic veins in, i. 550.
- Corydalis, wing of, found in iron stone, of the coal formation, i. 410; ii. 77.
- Cosmogony, Mosaic, the author's interpretation of, i. 20.
- Colta on fossil arborescent ferns, i. 465.
- Crag, in Norfolk, geological place of, i. 179.
- Craters, various phenomena of, ii. 8.
- Creation, Mosaic account of, accords with natural phenomena, i. 13; prior to first day of Mosaic cosmogony, i. 24, 597; of material elements, i. 35.
- Creator, necessity of, shewn by geology, i. 59.
- Crinoideans, geological importance of, i. 416, 430; nature and character of, i. 417; most remarkable genera of, i. 417; living species rare, i. 418; abundance and importance of fossil species, i. 419, 430; anatomical structure of, i. 420; reproductive powers of, i. 421; early extinction of many species and genera, i. 430.
- Crocodyleans, fossil forms of, i. 249; slender character of snout, i. 250; habit probably piscivorous, i. 250.
- Crocodyles, modern, habits of, i. 250; gavial, gangetic, piscivorous, i. 250; functions of fossil species, i. 251; Cuvier's observations on, i. 252; number of living and fossil species of, i. 252; dentition, provisions in mode of, i. 254; fossil forms of, at variance with all theories of gradual transmutation or development, i. 254.
- Crosse, Mr., artificial crystals made by, i. 599.
- Crustaceans, extent of fossil remains of, i. 387.
- Crystalline rocks, influenced by chemical and electro-magnetic forces, i. 36; eight distinct varieties of, i. 37; their position beneath stratified rocks, i. 42; probable igneous origin of, i. 39; gradations in character of, i. 41; proofs of intention in phenomena of, i. 45; proofs of design afforded by, i. 574.
- Crystals, definite forms and composition of, i. 575—577; component molecules of, i. 574, 577; artificial, obtained in the humid way, i. 599.
- Ctenoidean order of fishes, i. 270.
- Curculionidæ in iron stone of Coalbrook Dale, i. 409.
- Cuttle fish, structure and habits of, i. 303; internal ink bag of, i. 303.
- Cuvier, his conclusion that organic life has not existed from eternity, i. 59; his account of the basin of Paris, i. 76; his account of discoveries at Mont Martre, i. 83; consigns his materials for a work on fossil fishes to M. Agassiz, i. 200, 267; his conjecture concerning plesiosaurus, i. 208; had observed nearly 8,000 species of living fishes, i. 265; perfection of his reasoning on contrivances and compensations in the structure of animals, i. 140.
- Cycadææ, abundant in strata of the