764 INDEX.

Cyclopædias, i. 273.

Cyriacus of Ancona, archæological pioneer, i. 295.

Czapski, 'Theorie der optischen Instrumente nach Abbé,' ii. 14, 229.

Czerwak, language, ii. 538.

Czuber, Emmanuel, theory of probabilities, ii. 568; method of least squares, 576.

Dacier, Report on the progress of History and Classical Literature, i. 149. Daguerre, photography, ii. 506.

Dahlmann, "theoretical politician," i. 311.

D'Alembert, contributions to the Encyclopédie, i. 34, 144; his importance in French literature, 105; theory of probabilities, 120; 215, 234, 237; the cure of smallpox, 284; 319; mathematical study of vibrations, ii. 16; "measure of force," 'Traité de Dynamique,' 100; statistics, 571; on functions, 694

Dallas, ii. 349.

Dalton, John, 'New System of Chemical Philosophy,'i. 83; atomic theory, 189, 266, 385, 394, 415-417, 419, 425, 426, 428, ii. 180; scientific discoveries of, i. 229; not member of any university, 238, 272; neglect of, in England, 245; arithmetical mind of, 246; furnished texts for lectures in German universities, 251; 265; science of meteorology, 286; 293, 312, 313; heat a material substance, 433; formulæ of, 436; analogy between crystallographic and atomic laws, 444; his atomic theory insufficient, 451; atomic theory referred to, ii. 19, 20, 37, 95, 153, 154; colour blindness, 505.

Dannecker educated with Cuvier, i.

133.

Dante, i. 261. Danton, i. 107.

Darwin, Charles, constructive ideas of, i. 81; eminence of writings of, 105; 179; letter from Sir Charles Lyell on British Association, 240; theory of descent, 201, ii. 321, 406; furnished texts for lectures in German universities, i. 251, 310; 'Cirripedia' monograph, 283; 'Autobiography.' ib.; nature lover, 287; and Gilbert White, 290; 297, 312; referred to, ii. 136; value of his visits to distant countries, 207; studies of organic life, 209; law of descent, 214; con-

ceptions of, 246; and Owen, 267; theory of pangenesis, 271, 454; writings of, 301, 306; 309; on Lamarck, 318; 'Origin of Species,' 326, 329; 'Life and Letters,' 328; and Malthus, 331; 'Origin of Species' quoted, 336; Bates's 'Mimetic Butterflies," 339; and Newton compared, 341 et seq.; "natural selection," 351, 354; 434, 437; hybridisation, 373; "final causes," 403; 408; struggle for existence, 418; 421; environment, 430; conflict in nature, 431; 435, 436, 451; quoted, 457; and Weismann, 460; 467, 470; 'Expression of Emotions,' 477; 511, 514; evolution, 530; and Herder's evolutionism, 533; language, 540; 587, 607; variation in nature, 608; on mental phenomena, 609; on "pangenesis," 610; 621; two novel points of view of, 624.

Darwin, Erasmus, anticipated Lamarck, i. 201; 285; colour sensations,

ii. 482.

Darwin, Francis, 'Life and Letters of Charles Darwin,' ii. 329.

Darwin, G. H., 'The Tides,' ii. 282. Darwin, Robert W., colour sensation,

ii. 482. Darwinism, i. 251, ii. 386; and final causes, 411; in Germany, 436.

Daubenton at the Collège de France, i. 107; natural history at the Écoles normales, 112; 113; collection of fossil remains, ii. 248.

Daunou, Académie des Sciences mor-

ales et politiques, i. 145; 152. Davy, Sir Humphry, electro-chemical discoveries of, i. 83, 189, 363; scientific work of, 229; science in Eugland, 234; not member of any university, 238, 272; opposed Dalton's atomic theory, 245, 246; studied in laboratory of Royal Institution, 249, 264; educated Faraday, 265; unconnected with Cambridge mathematical school, 266; electric action in chemical processes, 366; decomposition of soda and potash, 391, 404; electro-chemical theory, 405, 452: salts and acids, 410; attitude to Dalton's theory, 417; attitude towards the atomic theory, 418; 428; chemical application of electricity, ii. 92; electro-chemistry, 93; heat and chemical change, 102; attitude to science that of a medical man, 103; vibratory view of heat.