

- Berzelius, 71, 80, 87, 98, 127, 128, 274; isomerism, 101; radical theory, 102.
 Bessel, measurement of the distance of a star (1838), 191; quoted, 190, 193.
 Bethe, experimental study of instincts, 408.
 Bichat, 313, 335; *Anatomie Générale*, 301, 331; on correlation, 335; on tissues, 286.
 Bleidermann, 306.
 Blinot, behavior of Protozoa, 458.
 Biogenesis, law of, 50.
 Biogenetic law, 375.
Biometrika, 431.
Biomimics or Ecology, 280.
 Bischof, 371, 371.
 Bode's Law, 188.
 Boisbaudran, Lecocq de, 73; discovery of gallium, 112.
 Bois-Reymond, 300.
 Boltzmann, 149.
 Bonney, quoted, 253.
 Bordage, 306.
 Born, 331; experimental embryology, 386.
 Boscovich, theory of matter, 166.
 Böthlingk, 232.
 Boveri, 373, 406; his remarkable experiment, 389.
 Bower, 344.
 Boyle, 88.
 Bradley, 191; velocity of light, 155.
 Brain, 305.
 Braun, Alex., 338.
 Brewster, Sir David, 213.
 Brine-shrimps, experiments on, 419.
 Broca, on brain localisation, 445.
 Brongniart, 284, 249, 344.
 Bronn, 249, 262, 351.
 Brooks, 402, 404.
 Brown, Robert, 338, 356.
 Brücke, 300, 358; complexity of cell-substance, 316; *Elementarorganismen*, 361.
 Brückner, 264.
 Buch, Leopold von, 252, 257, 262.
 Bütschli, 360, 364, 371; structure of emulsions, 361.
 Buffon, 225.
 Bunge, 204; quoted, 303, 323, 324, 326, 452.
 Bunsen, 98, 117, 371; radical theory, 102; spectroscopy, 214.
 Burdon-Sanderson, Sir John, 300; on Johannes Müller, 290; on protoplasm, 317.
 Butler, Samuel, 404.
- C.
- Calmette, 95, 96.
 Caird, John, *on the unity of science*,
- on the progressiveness of science, 43.
 Cajal, quoted, 141.
 Caloric, 142.
 Campbell, 344.
 Cannizzaro, 88.
 Carbohydrates, 318.
 Carlisle, 127.
 Carnelley, 111.
 Carnot's work on heat, 144.
 Carnoy, 360.
 Carpenter, 202.
 Cataclysmal school of geologists, 225.
 Cathode rays, 164.
 Cauchy, heterogeneity of matter, 171.
 Cavendish, 77, 127, 150, 161.
 Cell, or unit area of living matter, 48; defined, 363; complexity of, 316.
 Cell-division, 362.
 Cell-lineage, 375.
 Cells, 286, 300, 313, 331; discovery of, 354.
 Cell-structure, 360.
 Cell-substance, structure of, 360.
 Cell-Theory, 311, 331, 356, 369, 397; stated, 286, 311; its importance, 359.
 Centres of force, 166.
 Centrosome, 360, 372; of the animal cell, 49.
 Centsphere of the earth, 238.
 Cerebral localisation, 310.
 Ceres, 138.
 Challenger expedition, 269, 279.
 Challis, 185.
 Chamberlin, 266.
 Charles' Law, 89.
 Charpentier, 260.
 Chemical affinity, 125.
 Chemistry, fundamental problem of, 72.
 Chromatic, 360.
 Chun, 384.
 Circulation of Matter, 120.
 Classification, problem of, 107.
 Clausius, 98, 119, 148, 149, 171.
 Clerk Maxwell, 98, 149, 156, 157, 158, 184; definition of conservation of energy, 189; on energy, 187; dynamical theory of gases, 171; theory of electricity, 162.
 Clerke, A. M., quoted, 187, 188, 190, 192, 194, 204.
 Coal, 262.
 Coal-tar products, 96.
 Cohn, 358, 364.
 Colding, 139, 146.
 Combustion, 76.
 Comets, 186.
 Comte, classification of the sciences, 26; conception of sociology, 498.