

- cal and physical sciences affected by, 216; influence of, on the development of modern German science, 219; and Hume and Descartes, 222; influence of, on education in Germany, 257; was inspired by Rousseau, 259; influenced by Hume, 273; philosophy of, dispelled Cartesian philosophy in Germany, 433; cosmological genesis of planetary system, ii. 209; nebular theory, 277, 282; late development of, 309; 'Critique of Pure Reason,' 326; philosophical theories, 346; metaphysics, 354; "specific energies," 482; science of sensation, 484; time and space, 491, 492; the mind, 497; space perception, 506; and Herder, 532, 535; freewill, 584; 634; 751.
- Kästner of Göttingen University, i. 165.
- Kater, scientific work of, i. 230.
- Kaufmann, W., Hamburg Address, ii. 190, 197.
- Kaup, Jacob, 'Skizzirte Entwicklungsgeschichte und natürliches System der Europäischen Thierwelt,' ii. 317.
- Kayser, spectroscopic observations, ii. 361, 362.
- Keill, John, molecular attraction, i. 355.
- Kekulé, chemical researches of, i. 412; 'Lehrbuch der organischen Chemie' quoted, 421, 448; explains phenomenon of multiple proportions, 447; theory of aromatic compounds, 449; benzene ring, ii. 424.
- Kelland's edition of Young's writings quoted, ii. 98, 104.
- Kelvin, Lord. See Sir William Thomson.
- Kepler, Bacon's indebtedness to, i. 94; 118; three laws, 157, 318; received logarithms with enthusiasm, 269; Newton and, 317; 374; father of modern astronomy, 386; astronomical work of, ii. 227; 634.
- Kerner von Marilaun, 'The Natural History of Plants' quoted, ii. 376.
- Kerry, B., on G. Cantor and mathematics, ii. 634; 734.
- Ketteler, 'Theoretische Optik,' ii. 54.
- Kielmeyer and the *Naturphilosophie*, i. 207; ii. 349.
- Kieser, D. G., and the *Naturphilosophie*, i. 207; ii. 230; phytotomic researches in Germany, 261.
- Kinetic, view of nature, ii. 3; the word introduced by Ampère, 5; revival of kinetic view in nineteenth century, 7; theories, 34; theory of gases, *ib.*; view of nature, insufficiency of, 96; the term substituted for "actual," 139; "kinetics" and "energetics," 180; 465, 574.
- Kirchhoff, Gustav. 'Mechanik,' i. 45; 'Vorlesungen über Mathematische Physik,' 231; discovery of spectrum analysis, 277; coincidence between electrical wave-motion and light, 372; Weber's law, 380; definition of "mechanics," 382; Fraunhofer's lines, ii. 48; 'Gesammelte Abhandlungen,' *ib.*; caesium and rubidium, 49; emission and absorption of light rays, 50; 51; spectrum analysis, 56; "physical mechanics," 101.
- Kirwan, i. 117, ii. 291.
- Klaproth, i. 117; forerunner of Berzelius, 391; 393.
- Klein, 'G. Forster in Mainz,' i. 179.
- Klein, Felix, pupil of Plücker, ii. 76; his geometrical tract, 632; on the period of Euclid, 635; 'Evanston Colloquium' quoted, *ib.*; on abridged mathematics, 636; 686; his 'Erlangen Programme,' 690; and Lie, 691, 692, 718, 720; his tract on Riemann's theory, 698, 699; on Riemann's influence, 700 *et seq.*; on Riemann and Weierstrass, 707; on Dirichlet's Principle, 708; on non-metrical relations, 713; on non-Euclidean geometry, 714; on Cayley and von Staudt, 718; on generalised notion of distance, *ib.*; on famous problems, 721, 731; on arithmetising tendency, 738, 740.
- Klopstock, Alcaic and Sapphic metres of, i. 213.
- Knapp, statistics, ii. 563, 566.
- Knott, on directional calculus, ii. 656.
- Knowledge, accumulation of, in nineteenth century, i. 28; method and unity of, 29.
- Knox, John, creator of Scotch educational system, i. 253; 'First Book of Discipline,' 255.
- Kobell, 'Geschichte der Mineralogie,' i. 117.
- Köchly, i. 162; 'Gottfried Hermann,' 169.
- Kohlrausch, F., electrolysis, ii. 164.
- Kohlrausch, R., electrical measurements, i. 369; ii. 84.
- Kolbe, chemical researches of, i. 412; attacks of, on 'Modern Chemistry,' 455.