

- Geometrical axioms, i. 199, 352; ii. 649, *et seq.*
- Geometry, deficiency of organisation of research in England, i. 243; two schools of, ii. 668.
- Geophysics, ii. 363.
- George, Duke of Saxony, reconstituted University of Leipzig, i. 159.
- Gergonne, ii. 660; Hankel on, 666; 673.
- Gerhardt, C. F., revives Prout's hypothesis, i. 402; attack on electro-chemical theory, 409; "type" theory, 411; 413; on the constitution of substances, 419; "types," 423; Gmelin's system of equivalents, 426; characteristic of hydrogen atoms, 430.
- Gerhardt, C. J., on the invention of the calculus, i. 101; edited Leibniz, 'Philosophische Schriften,' ii. 5.
- Germ plasma and body plasma, ii. 457, 458; plasma, differentiation of, 459.
- German Association, character and decline of, i. 238.
- German language, peculiarity of, i. 22.
- German universities, i. 226.
- Germany leads in the history of thought, i. 46.
- Gervinus on Herder, i. 51; connection of political and literary history, 59; 'Georg Forster's Werke,' 179; relations of philosophy and history, 206; "theoretical politician," 311.
- Gesner of Göttingen University, i. 165. "Gewerbeschulen," i. 166.
- Gibbon, i. 47; 'Roman Empire,' 169; influence of, on German thought and literature, 212; in German universities, 251.
- Gibbs, J. Willard, energetics, ii. 166, 171; "free energy," 173; chemical equilibrium, 175, 177; formulæ of, 185; on directional calculus, 655; 656.
- Gibson, George A., "Fourier's series," i. 241.
- Giese, vacuum-tube experiments, ii. 190.
- Gilbert, Sir J. H., agricultural experiments and publications of, i. 285.
- Gilbert, Wm., Bacon's indebtedness to, i. 94.
- Glaciers, Helmholtz's theory of, ii. 127.
- Glaisher, Prof., quoted on invention of logarithms, i. 269; 321; law of error, ii. 576.
- Glazebrook, Prof., 'Report on Optical Theories,' ii. 54; Lord Kelvin's theory of ether, 55; 'James Clerk-Maxwell and Modern Physics,' 77; indefiniteness of Maxwell's electro-magnetic theory, 94.
- Gmelin, Chr., chemist, i. 188; handbook of chemistry, 208.
- Gmelin, Leopold, 'Handbuch der Chemie,' i. 43, ii. 158; system of equivalents of, i. 426, 430.
- Goebel, Prof., on biology, ii. 313.
- Goethe quoted on history, i. 7; quoted on the success of the few, 9; made modern German language, 22; attitude of, to national idealism of Germany, 39; style of, 51; his work, 61; influence of, on taste, 67; 'Faust,' 76; school of, 84; Lewes's Life of, 166; 179; as a scientist, 180; influenced by the *Naturphilosophie*, 207; 212; introduced hexameter into German poetry, 213; quoted, 251, 236, ii. 3, 254, 258; educational significance of his writings, i. 258; 261; correspondence of, 279; on Luke Howard, 286; introduction of the term morphology, ii. 212; 213; theory of metamorphosis, 223, 243, 267; influence of, 225; theories of, 246; influence of Linnæus, 252; 253; the genetic view, 317, 321; subjective colour sensations, 482; foundations of the study of language, 538.
- Goldstein, vacuum-tube experiments, ii. 190; "ether" theory of cathode rays, 192.
- Goltz, experiments on the brain, ii. 478; 479.
- Goodsir, cell theory, ii. 265.
- Gordon, Lewis, Carnot's 'Puissance Motrice,' ii. 118.
- Göttingen, prize essays on principles of dynamics, ii. 97.
- 'Göttinger Gelehrte Anzeigen' of Haller, i. 176.
- Gough, John, the blind naturalist, i. 287.
- Gourand quoted, ii. 571.
- Grævius, recognition of Bentley, i. 169.
- Graff, Prof. L. von, on Haeckel's 'Stammbäume,' ii. 337.
- Graham, Thomas, chemistry, i. 44; salts and acids, 410; experimental work of, ii. 161; 164; discoveries of, 224.
- Grandi, series of, ii. 646.
- Grant, Sir A., 'Story of the University of Edinburgh,' i. 160, 232, 267, 269, 283; on David Gregory, 270; on Bell, 293.
- Grant, Prof., natural selection, ii. 330.