

- sity, i. 239; 'Life of Dalton,' 246; on Charles Bell, 292.
- Heraclitus of Ephesus, i. 314; the "kinetic theory," 385; conception of eternal motion, ii. 3; conception of changing world-periods, 286.
- Herapath, "mechanical theory of gases," i. 310; 484.
- Herbart repudiated by Lotze, i. 49; 208; educational influence of, in Germany, 257; phrenology, ii. 478; anticipated Helmholtz, 491; influence of his philosophy, 494; on "faculty-psychology," 495; psychological research, 496; mathematical psychology, 498; 500; psychical mechanism of, 504; space perception, 506; 507, 512, 515; introspective method, 527; "Völkerpsychologie" and "Sprachwissenschaft," 530.
- Herbert, Dean, natural selection, ii. 330.
- Herder, i. 50; History of Humanity, 51; 'Ideen,' 53; 'Metakritik,' 83; indebtedness to Gibbon, 169; 171; cited on Georg Forster, 179; scientific ideal of, 211; 212; Alcaic and Sapphic metres, 213; educational influence of, in Germany, 257; 258; scientific work of, ii. 210; influence of, 225; 280; philosophy of, 346; psycho-physical view of nature, 531; quoted, 533; 'History of Mankind,' 534; 538, 563.
- Heredity, problem of, ii. 343, 613.
- Hering, ii. 442; 'Ueber das Gedächtniss als eine allgemeine Funktion der organischen Materie,' 544.
- Hermann, Gottfried, indebtedness to Bentley, i. 169; 162, 172; science for its own sake, 211; 212, 214; classical learning of, 222.
- Hermann, Jac., Leibniz's letter to, quoted, ii. 646.
- Hermite, researches of, ii. 124; 649; on determinants, 683; on transcendental numbers, 731.
- Herodotus referred to on division of History into centuries, i. 13; 296.
- Herrmann, Cr., quoted, ii. 266.
- Herschel, Caroline, discovers her eight comets, i. 229; 285.
- Herschel, Sir John, i. 177; quoted on Laplace, 123; astronomical work of, 230; introduction of knowledge of Continental mathematics to Cambridge by, 233; science in England, 234; 236; and Airy, article in 'Encyclopædia Metropolitana,' 236; quoted on Fresnel, 241; educational movement promoted by, 261; 'A Preliminary Discourse on the Study of Natural Philosophy,' 263, 306; founded Analytical Society, 271; spectrum analysis, 278; stands on Bacon's philosophy, 307; 376; phenomenon of fluorescence observed by, ii. 52; criticism of the term "potential energy," 140; 295; 'Introduction to the Study of Natural Philosophy,' 328; experiments at the Cape, 357; "sound," 488; theory of probabilities, 569; 606.
- Herschel, Sir William, 'On the Proper Motion of the Sun and Solar System,' i. 176; astronomical discoveries of, 229; 238, 285; discovery of Uranus, 324; 'Observations of Nebulæ,' ii. 283; nebular theory, 295.
- Hertwig, O., 'The Cell,' ii. 224, 265, 297, 370, 371, 373, 420, 427, 444, 461; embryological researches, 228; 'The Biological Problem of To-day,' 298, 459; 'Zeit und Streitfragen zur Biologie,' 401; quoted, 409; 'The Cell,' quoted, 425, 446, 448; "idio-plasma," 448; "organicisme," 455.
- Hertz, H., electric theory, i. 344; electrical wave-motion, ii. 77; electrical view of light, 88, 92; "physical mechanics," 101; electro-magnetic wave-motion, 148; 193.
- Hess, a founder of physical chemistry, ii. 152; 157.
- Hesse, Otto, his elegant work, ii. 677; introduces determinants, 682 *et seq.*; and invariants, 684.
- Hessel, 'Krystallometrie,' i. 443.
- Hettner, history of the idea of humanity, i. 50; literary history of the eighteenth century, 59; cited on Georg Forster, 179.
- Heun, 'Jahresbericht der deutschen Mathematiker-Vereinigung,' ii. 101.
- Heussler, Hans, on Bacon, i. 94.
- Heyne of Göttingen University, i. 165; indebtedness to Bentley, 169.
- Hicks, 'Report on Hydrodynamics,' ii. 58; contribution to vortex theory, 63.
- Higgins, theory of, i. 398.
- Hilbert on algebraic numbers, ii. 729.
- Hildebrand, Bruno, statistics, ii. 561.
- Hillebrand, Karl, 'Zeiten, Völker, und Menschen,' quoted, i. 311.
- Hippeau, C., 'Public Education during the Revolution in France,' quoted, i.