

- Averages, doctrine of, i. 440; ii. 561.
- Avogadro, "mechanical theory of gases," i. 310; 313; law of, 415, ii. 165, 592; hypothesis of, i. 427; 428; hypothesis of, revived by Cannizzaro, 445.
- Babbage, Charles, i. 18; 'Decline of Science in England,' 127; history of his calculating engine, 248; educational movement begun by, 261; formed the Analytical Society, 271; criticisms of science in Britain, 233; 236; Prof. Moll's reply to, *ib.*; English replies to, 238; not a university man, 239; ii. 327.
- Babeuf, co-operation, ii. 566.
- Bacharach, History of Potential Theory, ii. 698; on Klein's Tract, 699.
- Bacon, Lord, his influence on the Encyclopædists, i. 34; his interpretation of the word "science," 90; unscientific, 93; his philosophical status, 94, 311; and Newton compared, 96; influence in new University of Halle, 160; 215; schemes of, realised by the 'Encyclopédie,' &c., 250; appreciated educational work of the "Order of Jesus," 256; Harvey, and Napier, 282; on the study of natural phenomena, 285; 311; his philosophy, 385; system of philosophy, ii. 205, 344; "method of instances," 557.
- Bacon, Roger, i. 249, 403.
- Baconian philosophy, decay of, i. 306.
- Baden-Powell, radiant heat, ii. 105; apologetic writings, 327.
- Baer, Karl Ernst von, his opinion on the *Naturphilosophie*, i. 207; embryologist, ii. 278; his labours, 299; quoted, 306, 417; Lamarck and, 316 *et seq.*; Huxley on, 322; genetic view in embryology, 330; 341; law of biogenesis, 349; and Schelling, 354; idea of life, 409; embryological researches, 418; on "diffusion of life," 451; "organicism," 455; 467, 533, 607.
- Bagehot, Walter, quoted, ii. 558.
- Baillie, Matthew, English medical science, i. 208.
- Baillly guillotined, i. 147.
- Baily on Greenwich Observatory and the Rev. J. Flamsteed, i. 98.
- Bain, 'The Senses and the Intellect,' ii. 511; 512; on psychology, 527; 608.
- Baker, H. F., on differential equations, i. 692.
- Balbi, ii. 579.
- Balfour, Francis M., organic morphology, ii. 214; 349.
- Ball, Sir R. S., 'Gravitation,' i. 320; memoir of Helmholtz, ii. 63; geometrical mechanics, 101; his theory of screws, 655; on Grassmann, 656; on generalised notion of distance, 718.
- Ball, W. Rouse, 'A History of the Study of Mathematics at Cambridge,' i. 275, 321; history of mathematics, ii. 680.
- Banks, Sir Joseph, i. 83, 155; travels of, ii. 247.
- Bärenbach, 'Herder als Vorgänger Darwins,' ii. 533.
- Bärensprung, von, medical thermometry, ii. 389.
- Barère, foundation of Écoles normales proposed, &c., i. 112.
- Barlow, not member of any university, i. 239.
- Barry, Martin, embryological observations, ii. 227, 228.
- Bartels, friend of Gauss, ii. 653.
- Barthez, vitalist, i. 126.
- Barycentric Calculus of Möbius, ii. 655, 681.
- Basedow, "philanthropinism," i. 166; educational work of, 256; 257; was inspired by Rousseau, 259.
- Bates, H. W., "mimicry," ii. 339.
- Bateson, William, 'Materials for the Study of Variations,' ii. 364; study of variation, 614; 622; and Karl Pearson, 623; agrees with Huxley against Darwin, *ib.*
- Bathybius, ii. 388.
- Bauer, G., on Otto Hesse, ii. 677.
- Baumes, J. P. T., 'Essai d'un système chimique de la science de l'homme,' ii. 390.
- Baumgartner, i. 44; printed Mohr's 'Ueber die Natur der Wärme,' ii. 167.
- Baumbauer, ii. 565.
- Baur, ii. 109.
- Bavaria, Elector of, and Count Rumford, i. 248.
- Bayes, ii. 572.
- Bayle, value of work of, i. 93; followed Newton, 96; French medical science, 208.
- Bayne, Peter, 'Life and Letters of Hugh Miller,' i. 288.
- Beaumont, Elie de, doctrine of descent, ii. 322.
- Becker, G. F., on Kant's theory, ii. 282; 284.