

- Périer, Edmond, 'La Philosophie Zoologique avant Darwin' quoted, ii. 309, 322.
- Periodic law of Mendeléeff, i. 315, 422.
- Periodicals, scientific, the oldest, i. 41.
- Permanence of formal rules, principle of, Hankel's, ii. 712.
- Perrault, plan of co-operation proposed by, i. 99.
- Perry, calculus for engineers, ii. 636.
- Perthes, C. T., 'Politische Zustände und Personen in Deutschland zur Zeit der französischen Herrschaft,' i. 133, 256.
- Perthes, Frederick, Memoirs of, i. 39, 279.
- Pertz, first editor of 'Monumenta Germaniæ,' i. 158.
- Peschel, O. F., 'Geschichte der Erdkunde,' i. 291.
- Pestalozzi, i. 163, 253; his educational influence in Germany, 257; began the purely educational movement, 258; inspired by Rousseau, 259.
- Peter the Great, i. 153.
- Petermann, geographical establishment at Gotha, i. 167.
- Petit, i. 107.
- Petty, Sir William, statistics, i. 122; (see Arundel) collection of relics, 295; 'Political Arithmetic,' ii. 562; 564.
- Pfeffer, W., labours of, ii. 165; cellular substances, 373.
- Pfeiderer, E., 'Philosophie des Heraklit von Ephesus,' ii. 3.
- Pflüger, E., "proteid" theory, ii. 426; "laws of reflex action," 519; on compound organic molecule, 611.
- Phalaris, Epistles of, Bentley's controversy about the, i. 169.
- "Philanthropinism" of Basedow, i. 166.
- Philip of Hesse, first Protestant university founded by, i. 159.
- Phillips. See Combas.
- Philosophical faculty, development of, in German universities, i. 164, 197.
- 'Philosophical Magazine and Journal of Sciences,' i. 41, ii. 48, 50, 55, 58, 69, 75, 85, 97, 109; on Carnot the elder, 139; 480.
- Philosophical theories, ii. 346; problems, 352, 743; thought, geographical centre of, 750.
- Philosophy, definition of, i. 62, 65; intermediate between science and religion, 71, 73; and science, conflict between, 205; and science, 311.
- Phlogiston, i. 388, ii. 153.
- Phonetics, ii. 539.
- "Phronomie," ii. 5.
- Phrenology, ii. 476.
- Phylotaxy and phylogenesis, ii. 308.
- Physical and chemical reasoning contrasted, i. 424.
- Physical view of nature, ii. 95.
- "Physical" method, ii. 428.
- Physics and statistics, ii. 589.
- 'Physik, Annalen der,' Gilbert's, i. 41.
- 'Physik, Journal der,' Gren's, i. 41.
- 'Physikalische Gesellschaft' of Berlin, i. 42.
- Physiocrats, so-called, referred to, i. 16; ii. 529.
- Physiological, units, ii. 272; division of labour, 396; psychology, 512.
- Physiology pre-eminently a German science, i. 216.
- 'Physique, Journal de,' i. 41.
- 'Physique, Observations sur la,' i. 41.
- Phytotomy, ii. 260.
- Piazzi discovers Ceres, i. 54, 82, 177, 182, 423.
- Picard, Ch. E., 'Traité d'Analyse,' ii. 690.
- Picard, Jean, calculations of, i. 97; astronomical constants, 322; "methods of dealing with astronomical errors of observation," 324.
- Picavet, F., 'Les Idéologues,' i. 149, 152, ii. 470; quoted, 472.
- Pictet, condensation of permanent gases, i. 316.
- Piderit, Ph., mimicry and physiognomy, ii. 477.
- Pinel, medical nomenclature of, i. 131.
- Pitcairn, medicine in alliance with mechanics, i. 126.
- Plana, lunar theory, i. 329.
- Planck, Max, 'Das Princip der Erhaltung der Energie,' ii. 97, 99, 106, 197; 'Thermodynamik,' 142, 186; 159; labours of, 165; works of, 184.
- Planta, Martin, the forerunner of Pestalozzi, i. 258.
- Platen, i. 213.
- Plato, constructive system of, i. 75; views of Heraclitus, ii. 3; 4. 246; archetypes, 259; his mathematics, 633.
- Playfair, John, scientific work of, i. 229; criticisms of, on science in England, 231; review of Laplace's 'Mécanique céleste' quoted, 232; biographical, *ib.*; tribute to Colin Maclaurin, *ib.*; 234; quoted, 236; 270, 272; 'Huttonian Theory of the Earth,' 283, ii. 292, 356; 579.
- Plücker, Julius, geometry, i. 44; 187