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reason (intellect) is subordinate to the will, and is to be derived from it.

scienza e moralità (1898).

Fr. para-; Ital. para-. A prefix indicating of chill made him run, if we want to talk in pathological terminology a condition de- about material facts, or the feeling of chill paraesthesia, subjective and abnormal sensa- coexists with the motion of legs, if we want tion (such as 'tingling' or 'pricking'); parato talk about mental facts' (quoted by James, geusia, a perverted or morbid taste; paragraphia, the making of mistakes in writing; paralexia, misreading, or difficulty in reading; paraphrasia, incoherent speech. See Para-LYSIS, and PARANOIA. (J.J.)

Paracelsus. The assumed name of Philippus Aureolus Theophrastus Bombastus von Hohenheim (1493-1541). The son of a physician, he chose the same calling, but wandered about studying the works of alchemists and magicians, gathering information from strange sources as to the art of healing; received the degree M.D.; was military surgeon in Denmark and Italy; professor of medicine and surgery in Basel, 1527; compelled to leave by the Galenic physicians.

Paradox [Gr. παρά, contrary to, + δόξα, opinion]: Ger. paradox (adj.); Fr. paradoxe; Ital. paradosso. An opinion surprising or repugnant to an ordinary mind. See De Morgan's Budget of Paradoxes. (C.S.P.)

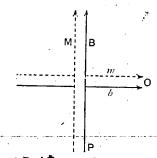
Parallelism (in biology) [Gr. παρά + application would constitute a theory which see Convergence, and cf. Parallelism or racial parallelism, as the application to the (psychophysical).

psychophysique; Ital. parallelismo psicofisico. constitutes a great way of looking at one of concomitantly with synchronous process in the represent the mental series by dotted lines nervous system, whether the two processes (M, m: mind) and the physical by solid lines have a direct causal relation or not.

present day. A good statement of it from shown, as in the accompanying diagram (the the point of view of psychological method is relative position of the parallels O upon the given by G. E. Müller, Zur Psychophysik der parallels P) Gesichtsempfindungen, in Zeitsch. f. Psychol. The discussions of psychophysical parallel-(1896), 1-25, and another by Mach, Analysis ism have hitherto been in the main restricted of Sensation, 26-40 (Eng. trans.). The to the problem of individual development. principle of psychophysical parallelism in- The application to racial evolution, however, volves no explanatory theory of the connectis an essential part of the view, and should tion between conscious and hervous process. be given equal attention; for no theory of

Those who accept it may differ on this point very widely. A view often associated with it is The term is applied to such systems as Automaton Theory; this denies all agency to Fichte's, with its derivation of knowing from consciousness. But those who hold psychoacting, and to Schopenhauer's. See Volun- physical parallelism are by no means bound TARISM. Cf. Falckenberg, Hist. of Mod. Philos. down to this opinion. Clifford, for example, (Index), and Francesco de Sarlo, Metafisica, writes as follows: 'A feeling of chill made (J.D.) a man run; strictly speaking, the nervous Para- [Gr. παρά, beside]: Ger. para-; disturbance which coexisted with that feeling viating from the normal, a perversion; as produced the form of subconsciousness which Princ. of Psychol., i. 132). Cf. AUTOMATIC AND AUTOMATISM (3), DOUBLE ASPECT THEORY, and MIND AND BODY. (G.F.S.-J.M.B.)

The theory may be extended to apply to the concomitance of conscious and vital process in the evolution of organic forms.

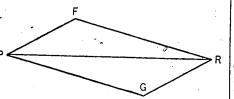


P, phogeny; O, ontogeny.

αλλήλων, of one another, from άλλος, other]: might appropriately be called phylogenetic individual's psychophysical development con-Parallelism (psychophysical): Ger. psy- stitutes ontogenetic or individual parallelism, chophysischer Parallelismus; Fr. parallelisme The theory in its twofold application thus The affirmation that conscious process varies the main topics of genetic philosophy. If we (B, b: body), the two applications of parallel This is the most generally accepted view of ism at the grade of organic evolution repre the relation between mind and body at the sented by any particular animal, O, may be

the relation of mind and body can be per- cortical, or psychic. The division into organic and the problems thus arising for the psycho- ous diseases. Cf. Movement (disorders of). logist and philosopher cannot be set aside. mental RECAPITULATION (q.v.) and morphology generally as bound up with those of comparative brain anatomy and morphology.

Literature: besides the titles mentioned,



represented in intensity and direction-by the is denied by the patient cannot be ignored. lines PF and PG, act on a point P, the re- Alcoholism and unhygienic conditions of life sultant will be represented in intensity and generally are the chief secondary causes. direction by the diagonal PR of the parallelo- Krafft-Ebing sums up the etiology with the

Ger. Paralogismus; Fr. paralogisme; Ital. fifty, but cases during adolescence (probably paralogismo. A Reasoning (q.v.), especially hereditary syphilis) are not uncommon. a syllogistic reasoning, which is logically The fundamental characteristic of the disease faulty and deceives the reasoner himself. Cf. is a rapid or slow progressive deterioration of

manently established which does not explain and functional (according to whether or not the racial concomitance of the two. Further- there is an anatomically demonstrable lesion) more, the biological theory of descent must cannot be rigidly maintained, but is sufficiently recognize mental evolution along with, and well established for medical purposes. For possibly as essential to, organic evolution; these various forms see the textbooks on nerv-

When spoken of as a disease, paralysis is We may note, for example, the questions of ordinarily used as a synonym of general paralysis, or general paresis, which is both historically and pathologically one of the most interesting of mental diseases. It was first described as a 'disease occurring among see MIND AND BODY, and the Psychological the insane, a fatal complication of mania. Index, in loc.; also Masci, Il mater. psicofisico | The first descriptions of Bayle (1822 and 1825), (J.M.B., G.F.S.) Georget (1823), Calmeil (1826), and Par-Parallelogram of Forces: Ger. Parallelo- chappe (1832) maintain that it is a special gram der Krüfte; Fr. parallélogramme des disease from the beginning; the latter called forces; Ital. parallelogramma delle forze. The it folie paralytique. Baillarger and Requin law of composition of two forces acting on (1846 and 1847) taught that it was a combinaa point, expressed in this way: If two forces, tion of two diseases, the one affecting the motility, the other affecting the psychic organ. Delasiauve (1851) and Falret (1853) rehabilitated the view of Bayle and Calmeil, which is now universally accepted.

General paralysis is a disease-process which (like locomotor ataxia) is most probably to be regarded as a metasyphilitic degeneration of the nervous system, although the fact that in a certain number of cases the syphilitic origin (s.n.) words syphilization and civilization. Most Paralogism [Gr. παρά + λόγος discourse]; cases occur between the ages of thirty and

(C.S.P.) memory, working capacity, and judgment, and Paralysis [Gr. παρά + λύσις, a loosing]: profound change of character, with a more Ger. Paralyse; Fr. paralysie; Ital. paralisi. or less parallel development of tremor and The complete or partial loss of function of the ataxia, especially of speech and writing, neuro-muscular mechanisms. The term is and other signs of organic degeneration in the preferably used for the loss of the power of nervous system, and finally profound dementia with more or less sensory and motor paresis Partial loss is called paresis. It may involve | The entire sequence of symptoms from the single muscles, or those supplied together by first to the almost inevitably fatal ending one or more nerves (with or without implication covers a period of from six months or less tion of the sensibility of the corresponding to from four to six or more years, with sensory surface), or one extremity, or both an average duration of thirty-two months. legs, or the movements of one side. Paralyses | These fundamental traits are frequently, but are usually distinguished symptomatically as not always, connected with various accessory organic and functional, by their nature as psychic symptom-complexes which appear in sensory and motor, and from the localization of similar form also in other disease-processes. the disorder as peripheral, spinal, infracortical, Hence we recognize a 'simple demented