zoologically in the evolution of the higher creasing debility and dementia occur. Proanimals, and ethnologically in the differentia- gressive muscular atrophy is a gradual wasting tion of races. It is measured either by the of muscular tissue, beginning in certain muscle FACIAL ANGLE (q.v.), or by the subnasal facial, groups and extending in a more or less definite quathic, or alveolar index (Flower), which is order to others. the ratio of the length from the basion to the to the subnasal point or nasion (lines BA and | regressive, or proceeding in a reverse order. EN in the figure under CRANIOLOGY). When Progressive method: the method which this index is below 98, the skull is ortho- proceeds from generals to particulars. gnathous; when between 98 and 103, meso-

Prognosis and Prognostication: see Lect. on Logic, xix.

PROPHECY, and MAGIC.

towards a terminus, end, or ideal. It is upon. opposed to regress, or change in a reverse direction (also loosely used). See the following topics. (J.M.B.)

Progress (economic). Increased command over the forces of nature for purposes of production, combined, as it generally is, with increased intelligence in utilizing the product for purposes of consumption.

Before the time of Malthus, increase in population would have been regarded as the The definition given is based on Bagehot's Physics and Politics.

the younger generation to determine whether the sensitive surface. an economic change did or did not represent struggle for existence.

medicine: progressive with regard to a disease designating later phases in the genetic proindicates a gradual sequence of develop- cess. ment, often with a predictable order of Literature to (1): James, Princ. of Psychol., symptoms.

chronic, to indicate types of onset and develop- sub verbo (where projection is made equivalent ment of various diseases. Progressive paralysis to spatial localization). (also termed general Paralysis, q. v., in the insane) is a well-recognized clinical form of The poperty of the nervous system whereby

This characteristic is regarded as significant insanity in which sequences of stages of in-

(2) In logic: proceeding through a linear alveolar point, to the length from the basion series in the natural order. Opposed to

Progressive sorites: a Sorites (q. v.) in gnathous; when above 103, prognathous. The which the premises are so arranged as to figures illustrate the difference in appearance proceed from what is regarded as whole to of prognathous and orthognathous skulls. (J.J.) what is regarded as part. See Hamilton, (C.S.P.)

Project [Lat. proiicere, to throw for-Prøgress [Lat. progressus, advance]: Ger. ward]: Ger. Projekt (Sigwart); Fr. projet; Fortschritt; Pr. progres; Ital. progresso. Used Ital. progetto. (1) A possible course of loosely for any sort of continuous change action conceived simply, but not decided

> This follows the usage of Sigwart and Höfler (Psychologie, 518, 562), who make Projekt ein bloss vorgestelltes Willensziel.'

(2) That which is 'projected' in the second sense given under Projection. (J.M.B.)

Projection: Ger. Projektion; Fr. projection; Ital. projectione. (1) The spatial objectivation of objects in sense perception. See LOCALIZATION (in space).

This usage is vague and descriptive, varyclearest criterion of progress. After Malthus, ing from the mere recognition of a spatial population is relegated to the background as datum to the hypothesis of the spatial procompared with production; for instance, in jection of states at first purely 'inner' and Mill's well-known treatment of the subject. unspatial. It is also complicated with the hypothesis (Leconte, for vision) that nervous Projection (q. v.), to the periphery, some-The criterion accepted by most writers of times extends out in lines at right angles to

(2) A stage in the genetic construction of progress, would be its effect on the survival objects antecedent to the conscious antithesis of the community which adopted it, in the between subject and object. This mean-(A.T.H.) ing, suggested by Baldwin (Ment. Devel. in Progress (moral and social): see MORAL the Child and the Race, and Social and Eth. PROGRESS, and Social Evolution and Pro- Interpret.), applies especially to the material of the consciousness of self. The Progressive: Ger. progressiv, fortschrei- project is considered in contrast with Subject tend; Fr. progressif; Ital. progressivo. (1) In | (q.v.) and Eject (q.v.)—the latter terms

ii. 31 (with numerous references); many cita-It serves, along with the words acute and tions in EISLER, Wörterb. d. philos. Begriffe, (J.M.B.-G.F.S.)

the body or to the end-organs. Cf. Localiza-

There is considerable scepticism as to structure.

(2) Projection system: see RADIATION. Lat. anticipatio]. A term of the Stoic matical proof is probably accomplished by philosophy denoting a concept derived immediately from perception. It was variously signs, just as inductive proof appeals to outinterpreted by ancient and mediaeval writers. ward experiment. Cf. Eisler, Wörterb. d. philos. Begriffe, 'Pro-

spring, + ferre, to bear]: Ger. Zellvermehrung, proof, which may be either 'direct' or 'in-Proliferation; Fr. proliferation; Ital. pro- direct, according as the proof process conliferazione. The multiplication of nerve-cells sists or not of the direct application of a rule by division of the pre-existing cells.

In an early embryonic stage such multiplica- under it. tion is very rapid, and is accompanied by mitosis. In these stages it plays a very impor- pirical Logic; Jevons, Princ. of Sci.; systetant part in the formation of the peripheral matic works on logic. See BIBLIOG. C, I, b, nerves and their ganglia. Cf. Concatenation and 2, j. and the works there cited. Migratory neuroblasts form proliferating centres in various | + pendere, to hang]: Ger. Neigung, Hang; regions cut off from the ventricular epithelium. Fr. propension; Ital. propensione. A term used Recent writers (Herrick, Turner, Ayers) claim | loosely for any sort of more permanent active to find centres of permanent proliferation in Tendency (q. v.) older stages. The process is then apparently

Hist., xii (1890); Contributions to the Com- cusses the 'religious propensities' in Varieties of parative Morphology of the Central Nervous Religious Experience (Gifford Lectures, 1901). System, J. of Compar. Neurol., i. (1891) 21; The Origin and Growth of Brain-cells in the best. Adult Body, J. of Compar. Neurol., vi (1896); Proper (1) and (2) Propriety [Lat. pro-W. His, Die Neuroblasten, &c., Abhandl. d. prius, one's own]: Ger. (1) passend, an-C. S. MINOT, Human Embryol. (1892), and (various meanings). Merkel and Bonnet's Ergebnisse, vi (for (1900); A. SCHAPER, Die frühesten Diffe- and expectation. renzirungsvorgänge im Centralnervensystem,

stimulations are referred to the periphery of suffices to remove all real doubt from a mind that apprehends it.

It is either mathematical demonstration; a probable deduction of so high probability whether this is an original property of the that no real doubt remains; or an inductive, nervous system. . It is undoubtedly developed | i.e. experimental, proof. No presumption can by experience, but may probably be considered amount to proof. Upon the nature of proof as in some way having a rudiment in the nerve | see Lange, Logische Studien, who maintains (J.M.B.-G.F.S.) that deductive proof must be mathematical; that is, must depend upon observation of Prolepsis [Gr. προληψις, anticipation; diagrammatic images or schemata. Matheappeal to experiment upon images or other

The entire psychological machinery of (J.M.B.) REASONING (q. v.) is the instrument of proof. Proliferation (neural) [Lat. proles, off- The verb prove means to produce adequate or statement to a particular case coming

Literature: LANGE, as cited; VENN, Em-

Propensity and Propension [Lat. pro

Martineau (Types of Ethical Theory, ii. chap. v) uses propensions to designate the Literature: C. L. HERRICK, Notes on the 'primary springs of action,' i.e. 'organic Brain of the Alligator, J. Cincinnati Soc. Nat. appetites and animal spontaneity.' James dis-

In view of the meanings given (q.v.) to C. H. TURNER, Morphology of the Avian Brain, Disposition, PREDISPOSITION, TENDENCY, IM-J. of Compar. Neurol., i (1891); H. AYERS, PULSE, APPETITE, this general usage seems

Proper (1) and (2) Propriety [Lat. promath.-phys. Cl. d. k. sächs. Gesell. d. Wiss., ständig, (2) Angemessenheit, Anstand; Fr. (1) Leipzig, xv. 313-72 (1889), and Verhandl. | convenable, (2) convenances (pl.); Ital. (1) cond. 10. int. med. Congr., Berlin, ii (1890); veniente, (2) convenienza. (1) Fit. See Fitness

(2) Ethical and social FITNESS (q.v.); but 1896) (1897); S. PATON, in Contrib. to the especially restricted to the social, meaning Sci. of Med., dedicated to Wm. Henry Welch strict conformity to social convention, custom,

Property [Lat. proprium, one's own, be-Arch. f. Entwicklungsmech., v (1897). (H.H.) longing to; trans. of Gr. Ess, a technical Proof [Lat. probare, to prove, through term of the Stoics, also of Gr. "6100"]: Ger. Fr.; it translates Lat. probatio]: Ger. Probe; Eigenschaft; Fr. propriété; Ital. propriétà, Fr. preuve; Ital. prova. An argument which qualità. (1) One of the logical PREDICABLES