THIS PAGE LEFT BLANK INTENTIONALLY

P 60907

regenerative power is also greatest in simple law of the mid-parent (see Min-), and assumes

been known, but of late years they have been mathematically on the basis of statistics widely discussed in relation to Weismann's illustrating Galton's law by K. Pearson, who theories. It has generally been regarded as a establishes the relative stability of groups, general and unexplained power of the organ- and introduces a coefficient of stability. Cf. ism to resume its integrity after the loss of PANMIXIA. a part. Weismann regards it as a specially The principle seems, however, to apply ments are developed to meet the oft-recurring Assoc., 1901). need. On the other hand, it is held by certain (2) The principle has been discussed in conof the experimental morphologists (e.g. Wilson) nection with social evolution; but it evithat cases of regeneration, such as the re- dently does not apply, since its operation is generation of the lens of the eye by injuries entirely through physical heredity (the mating which would not happen in actual life, render of variations of different value). In social this explanation inadequate.

Regeneration (1901).

Regress: see Progress.

Regression [Lat. regressus, a going backguished from Reversion or ATAVISM (q. v.).

used for social retrogression and decay. See

SOCIAL EVOLUTION.

(I) The principle was first given general terpret., sect. 300 ff. (J.M.B., C.LL.M., E.B.P.) formulation by F. Galton. It is important as a conservative factor in evolution, since (2) through it progress, being made by change in the average value of a character, be- rammarico. Emotion of sorrow attaching to comes continuous and steady. Sports of all kinds have influence only as single indi-voluntary attitudes or acts have entered. Cf. viduals whose characters are balanced by REMORSE, and REPENTANCE. other variations according to the law of distribution about a mean. The influence of attitudes of laisser-faire, and even of indiffea 'sport,' therefore, would be greatest the rence, as well as to positive acts. Some of the smaller the group in which he appears. keenest regrets attach to opportunities un-Although operating upon individuals, the net improved, to attainments not won. 'Nothing shifting of the mean value.

The principle was embodied in Galton's

tissues, less in the highly differentiated more exact form in the same author's 'law tissues, and at the minimum in the brain. of ancestral inheritance,' known as GAL-Many of the facts of regeneration have long Ton's Law (q.v.). It has been worked out

developed adaptation to oft-recurring needs mainly in cases of 'blended' inheritance (in under the influence of natural selection. He which the characters of the two parents blend), seeks to prove that it occurs only in those and not in cases of 'mutually exclusive' inparts of animals which are specially liable to heritance (cf. Galton, Nat. Inheritance, 12, loss; and contends that special germinal rudi- and Ewart, Pres. Address, Sect. Zool., Brit.

life a single individual mind, or a single Literature (to 2): A. Weismann, The thought, may dominate and colour all sub-Germ-Plasm (1892-3); and 'Regeneration' sequent progress, its propagation being by in Nat. Sci. (April, 1899; and the literature imitation and tradition. Such propagation is there referred to); E. B. Wilson, The Cell inconsistent with the law of biological rein Devel. and Inheritance; T. H. Morgan, gression. If such an analogy held, it would (C.Li.M.-J.M.B.) indicate a law of regression (not of retrogression; cf. above, 2) in social evolution.

Literature: GALTON, Natural Inheritance; ward]: Ger. Rückkehr; Fr. retour au type; and papers cited under GALTON'S LAW, no-Ital. regressione. (1) In biology: the mainte- tably Proc. Roy. Soc. Lond., xi. 401; Pearson, nance in a group of animals of a certain type | ibid., meeting of Jan. 27, 1898; Science, or standard in any given character through Mar. 11, 1898, 337 f.; and Grammar of the intermingling and levelling effects of here- Science (2nd ed., 1900); Conn, Method dity, whereby extreme variations are not of Evolution (1900); HEADLEY, Problems of perpetuated. It should be carefully distin- Evolution (1900); other expositions of Evo-LUTION (q. v.). On the social application see (2) In sociology: sometimes erroneously citations under BIOLOGICAL ANALOGY; also Kidd, Social Evolution; LL. Morgan, Habit and Instinct; BALDWIN, Social and Eth. In-

Regressive (in logic): see PROGRESSIVE

Regret: Ger. Bedauern; Fr. regret; Ital. portions of the past into which one's own

Regret attaches to things not done, to result of natural selection appears in the but leaves! The spirit grieves O'er years of wasted life!'

Regular [Lat. regula, a rule]: Ger. regel-

mässig, regulär; Fr. régulier; Ital. regolure. Conforming to rule.

Regular proof: proof which has the external form considered appropriate to making its cogency clear. The form of a regular the preceding, he was born and educated in demonstration is as follows: first, the pro- Jena, and became professor of logic, philoposition to be stated is precisely stated in sophy, and metaphysics in the university there. general terms; second, the construction of a diagram is described conforming to the (q.v.). See also REDINTEGRATION. (J.M.B.) conditions of the proposition; third, the proposition is restated with reference to the construction; fourth, by means of additions Ital. ringiovanimento. The production of to the diagram, parts of it are brought into young tissue or cells of the embryonic type, comparison; from which it is made evident capable of further growth and differentiation. that the proposition is true of that construcof the particular construction will be true in plasm and the nucleus. In the biological

stated precisely in the standard form, the never rendered young; hence rejuvenation major premise first, the minor premise next, in its popular meaning cannot be applied in the conclusion last; and with these propositions in the peculiar language, or symbols, of the system of formal logic used.

Regulative: see Constitution. Strachan, Scotland, he was educated at home issues); works on biology. and at Marischal College, Aberdeen. College of philosophy in King's College, Aberdeen, 1752; of moral philosophy in Glasgow, 1763; resigned 1781, and devoted himself exclusively to philosophy until his death. He was the way one thing 'has to do' with another; its leading figure.

Reify (-fication) [Lat. res, thing, + facere, to make |: not in use in the other languages.

1768.) Born at Hamburg and educated at or respect to the other. Jena, he became Privat-docent in philosophy | Examples: the relation of father and son, at Wittenberg; travelled in Holland and Eng- buyer and seller, of parasite and host. Many land; was professor of Hebrew in the Johan- qualities may presumably be predicated of A neum at Hamburg, 1728. He was one of the which have no bearing upon what is asserted figures of the Enlightenment (q. v.).

Born at Vienna; fled from a Jesuit college, buyer, &c.), this indifference ceases, giving way St. Barnabite order, 1783; professor in Jena, to complete (logical) reciprocity. This does 1787-94; successor of Tetens as professor of not mean that A and B are the common

sought for the ultimate principle which would resolve the Kantian dualism of sense and understanding

Reinhold, Ernst. (1793-1856.) Son of Reintegration. Repeated Integration

Rejuvenation [Lat: reiuvenare, to make young |: Ger. Verjüngung; Fr. rajevnissement;

Embryonic cells are characterized by the tion. It is evident that to perfect the proof, small amount of their protoplasm, and the it ought then to be shown that what is true absence of differentiation in both the protosense old cells are those which are most Regular syllogism: a syllogism which is differentiated, and such old cells are

biology. Literature: MINOT, Senescence and Re-(C.S.P.) juvenation, J. of Physiol., xii. 97; and Biol. Centralbl., xv. 571; Delage, Structure du Reid, Thomas. (1710-96.) Born at Protoplasma, and Année Biol. (successive (C,S.M.-J,M.B.)

Relation | Lat. re + latus, p. p. of ferre, to librarian and student of mathematics and bear ]: Ger. Beziehung, Verbindung, Verphilosophy, 1726-37, when he became minister knupfung, Verhältniss; Fr. relation, rapport: at New Machar in Aberdeenshire. Professor Ital. relazione, rapporto. See RELATION (consciousness of).

More specifically, (1) Practical. The bearing or influence of one thing upon anotherthe founder of NATURAL REALISM (q. v.) and for example, the testimony of A has relation to the guilt of B; the discovery of a new fact has relation to the truth of some theory.

(2) Logical. The mutual dependence of To change a mental attitude or abstraction two or more subjects upon a common prininto a supposed real thing; to attribute ciple, fact, or truth, of such a kind that any objective substantiality to an idea. It is assertion regarding one modifies the meaning the practical equivalent to hypostatize; see of the other. Accordingly the predicate is (J.D.) true or false of one taken not independently Reimarus, Hermann Samuel. (1694- or in isolation, but only in reference, regard,

or believed of B, but in so far as A stands Reinhold, Carl Leonhard. (1758-1823.) in relation to B (as father to son, seller to philosophy in Kiel, 1823, where he died. He subjects of the same predicate, or are taken