P 60766

THIS PAGE LEFT BLANK INTENTIONALLY

are mutually exclusive. What is called aes- by some other point, itself imaged by a third, fancy. There are also almost always other peculiarities may coexist in the same map. objective limitations. So far as objective | Any mathematical function of one variable control exists at all, the attitude of belief (or | may be regarded as an image of its variable Psychol., 545 f.).

(1900).

(in mathematics) représentation; Ital. rappre- la certain mode of imaging.' And he adds,

essentially involves, belief and imagination but itself, where each point would be imaged thetic illusion or SEMBLANCE (q. v.) partly &c. But a map of the heavens does not show excludes the belief-attitude, and even 'reality-feeling.' The spectators at a theatrical per-shows the entire globe (except the poles) over formance do not act as they would if the same and over again in endlessly recurring strips. scenes occurred in real life. But it should Many maps, if they were completed, would be noted that the freedom from objective con- show two or more different places on the trol which characterizes imagination is only earth at each point of the map (or at any rate comparative, not absolute, and that it admits on a part of it), like one map drawn upon of very varying degrees. Combinations which another. Such is obviously the case with any involve explicit contradictions are always ex- rectilinear projection of the entire sphere. cluded, even in the most unrestricted play of excepting only the stereographic. These two

reality-feeling) is present. A man may men- according to some mode of imaging. For tally frame a narrative concerning normal men | the real and imaginary quantities correspond, and women which has no reference to any one to one and continuously, to the assignable actual man or woman. 'The flow of his ideas points' on a sphere. Although mathematics will be relatively free; it will not be bound is by far the swiftest of the sciences in its down by conditions of date place, &c.; none generalizations, it was not until 1879 that the less it will be tied, inasmuch as he is not Dedekind (in the 3rd edition of his recension at liberty to introduce into his mental con- of Lejeune-Dirichlet's Zuhlentheorie, § 163, struction features at variance with the nor- p. 470; but the writer has not examined the mal constitution of human beings. . . . There second edition) extended the conception to is no belief in the narrative as historical fact; discrete systems in these words: 'It very but belief about human nature is involved in often happens in other sciences, as well as in it through and through' (Stout, Manual of mathematics, that there is a replacement of every element  $\omega$  of a system  $\Omega$  of elements or Literature: the treatises on psychology things by a corresponding element & [of a and Bibliog. G, 2, j; Ambroso, L'Immagina- system O']. Such an act should be called zione (1898); Ribor, L'Imagination créatrice a substitution. . . . But a still more con-(G.F.S.-J.M.B.) venient expression is found by regarding Q' Imaging (in logic): Ger. Abbildung; Fr. as the image of O, and w of w, according to sentazione. A term proposed to translate Abbil- in a footnote: 'This power of the mind of dung in its logical use. In order to apprehend | comparing a thing ω with a thing ω', or of this meaning, it is indispensable to be ac- relating w to w, or of considering w to correquainted with the history of the meanings of spond to w, is one without which no thought Abbildung. This word was used in 1845 by would be possible.' [We do not translate the Gauss for what is called in English a map- main clause.] This is an early and significant projection, which is an incorrect term, since acknowledgment that the so-called 'logic of many such modes of representation are not relatives'-then deemed beneath the notice geometrical rectilinear projections at all; and of logicians-is an integral part of logic. of those which Gauss had in view, but a This remark remained unnoticed until, in single one is so. In mathematics Abbildung is | 1895; Schröder devoted the crowning chapter translated representation; but this word is pre- of his great work (Exakte Logik, iii. 553empted in logic. Since Bild is always trans- 649) to its development. Schröder says that, lated image, imaging will answer very well for in the broadest sense, any relative whatever Abbildung. If a map of the entire globe may be considered as an imaging-'nämlich were made on a sufficiently large scale, and als eine eventuell bald "undeutige," bald out of doors, the map itself would be shown | "cindeutige," bald "mchrdeutige" Zuordupon the map; and upon that image would nung.' He presumably means that the be seen the map of the map; and so on, logical universe is thus imaged in itself. indefinitely. If the map were to cover the However, in a narrower sense, he says, a mode entire globe, it would be an image of nothing of imaging is restricted to a relative which

such that every object has an image, and the and action, as in crowds). other such that no object has more than one | (2). Any repetition in thought, action, or kind's definition, which makes an imaging | which see Semblance). a synonym for a substitution. (C.S.P., H.B.F.)

only that the sexual organs are mature.

of Insects; PACKARD, Entomology; Kor- confusion, and circular reaction expresses the SCHELT and HEIDER, Entwickelungsgesch. meaning better. The question may then be d. Wirbellosen.

Imbecility [Lat. imbecillitus, weakness, | requires circular reaction. feebleness]: Ger. Imbecillität, Schwachsinn; Fr. imbécilité; Ital. imbecillità. Generally, a | be wise to keep the broader meaning (2). Where weakness of mind; specifically, a degree of ambiguity is likely to arise, it is well to use this defect inferior to idiocy.

It is applied more often to states of congenital mental enfeeblement. Imbecility tive imitation, all considered forms of the may be said roughly to imply a sufficient wider notion MIMETISM (q. v.), which covers defect of memory, reasoning, and mental also the pathological use of the term imitation. initiation to incapacitate the subject for the The wider meaning would seem necessary also ordinary duties of life and to make necessary as covering the imitative impulse before its

Imitation [Lat. imitatio]: Ger. Nachahm- | conscious. ung; Fr. imitation; Ital. imitazione. (1) The performance in movement, thought, or both movement and thought, of what comes through the senses, or by suggestion, as belonging to another individual.

This is the traditional and customary usage. It makes essential the fact that another person serves to set the copy imitated. This usage is that of Preyer and Lloyd Morgan. To distinguish imitation in this limited sense need of recognizing a class of relatively simple from the wider meanings designated below, it reproductions of the imitative type is seen in has been suggested that this be called 'con- the growing belief that there is a native im-

fulfils one or other of the two conditions of is conscious to the thought of the imitator), being never undeutig, or being never mehr- 'imitative suggestion' (when imitative to the deutig. That is, the relation must belong to onlooker only), and 'plastic imitation' (the one or other of two classes, the one embracing subconscious conformity to types of thought

image. Schröder's definitions (however in- both, which reinstates a copy. This definition teresting his developments) break all analogy of imitation is wider than the foregoing. It with the important property of the imaging | includes what is scalled 'self-imitation,' or of continua noticed above. If this is to be repetition of what is in one's own mind. This regarded as essential, an imaging must be usage requires a certain identity as between defined as a generic relation between an the copy and the result made, but the conscious object-class and an image-class, which generic relating of copy to result, as in (1), is not relation consists of specific relations, in each essential. This usage is that of Tarde, James, of which one individual, and no more, of the Royce, Baldwin. As signifying simply 'mental image-class stands to each individual of the reproduction' of nature, especially in art, it object-class, and in each of which every goes back to Plato and Aristotle. This usage individual of the image-class stands to one is of value in discussions in social psychology, individual, and to no more, of the object- sociology, and the theory of art, as in the class. This is substantially a return to Dede- 'inner imitation' of K. Lange and Groos (for

(3) An organic reaction of the stimulus-Imago [Lat.]: (the same in the other repeating or self-sustaining type. Organic languages). The perfect or winged stage of imitation was used with this meaning as those insects which pass through a complete synonymous with Circular Reaction (q.v.) Метамопрновів (q. v.); it is in this stage by the present writer. As this is a purely neurological and physiological conception, the Literature: Comstock, Introd. to the Study use of the term imitation no doubt leads to (C.S.M.) discussed as to whether imitation always

As to the two first usages, it would seem to conscious imitation,' 'imitative suggestion,' 'self-imitation,' 'plastic imitation,' 'instinca special form of education. Cf. IDIOCY. (J.J.) character, as repeating a copy, becomes clearly

Distinctions have been made between spontaneous' and 'deliberate' imitation (Preyer), both being at first voluntary, but the former having become secondary-automatic; and between 'simple' and 'persistent' imitation (Baldwin), the former being involuntary repetition by imitative impulse and suggestion, and the latter being voluntary 'try-try-again' to reproduce a copy. The scious imitation' (when the repetition as such pulse to perform acts of the imitative sort.