THIS PAGE LEFT BLANK INTENTIONALLY

not prejudice the discussion of the facts.

KINAESTHETIC SENSATION. Of special im- character, simple or complex. portance are James, Princ. of Psychol., ii. Thus, in Blundevile's Arte of Logicke, we chap xxvi; Pick, Die sogenannte 'Conscience read: 'Genus is a generall kind which may Musculaire. Zeitsch. f. Psychol., iv (1892), be spoken of many things differing in speciall WIN. Story of the Mind, 16 ff. See also the it was restricted to the species or narrowest textbooks of psychology on Voluntary Move- recognized class, or that which was supposed

move + gigffrag, perception]: Ger. kinaesthe- generall woorde, ynder the whiche diverse tische Empfindung, (b) Bewegungsempfindung; kindes or sortes of thinges are comprehended. Fr. sensation kinesthesique (or motrice), (b) de But before persons who picked their words monument: Ital. sensazione cinestetica (or had become ready to use 'class' as a mere the body or of a part of it.

of muscular and other sensation qualities.

EQUIVALENT (q. v.).

see also Bibliog, G. 2. 8. 4.

(q. v.). The use of the term, moreover, does signification in Queen Anne's reign, kind was sometimes used for any collection of objects Literature: see the indications given under having a common and peculiar general

161 ff.: JANET, Automatisme psychol.; BALD- kind.' At other times, and more accurately. (J.M.B., G.F.S.) to be derived from one stock. Thus Wilson's Kingesthetic Sensation [Gr. Kurav. to Kule of Reason (1551) has: 'Genus is a

cinesica - F. M.). (b) di movimento. Any sensa-logical extension, they had begun to avoid tion which informs us of the movement of 'kind,' except when the emphasis of attention was placed upon the logical depth rather than he body or of a part of it. was placed upon the logical depth rather than Here belong sensations (a) other than those the breadth. Watts's Logick (1724) illustrates from the moving member, such as those of this. This last is the ordinary popular sense sight, hearing, &c., of the movement, as well as of the word to-day; so that 'of this kind, (b)—and to these the adjective 'kinaesthetic' 'of this nature,' of this character' are interis sometimes restricted—the sensations from changeable phrases. J. S. Mill, however, in the member actually in movement: a group his System of Louic, Bk. I. chap, vii, § 4. erected the word into a technical term of The words 'kinaesthesis' and 'kinaesthetic' logic, at the same time introducing the term were first used by Bastian (Brain as Organ 'real kind.' His meaning, so far as it was of Mind, 543). He speaks of the sense of determinate, was that classes are of two movement, or kinaesthesis, as 'a separate orders, the first comprising those which, over endowment of a complex kind, whereby we and above the characters which are involved are made acquainted with the position and in their definitions and which serve to delimit movement of our limbs, whereby we judge of their extension, have, at most, but a limited "weight" and "resistance," and by means of number of others, and those following as which the brain also derives much unconscious 'consequences, under laws of nature,' of the guidance in the performance of movements defining characters; and the second, the real generally, but especially in those of the auto- kinds, comprising those each of which has (E.B.T., J.M.B.) innumerable common properties independent James has distinguished (a) and (b) as of one another. As instances of real kinds. 'resident' (b) and 'remote' (a) effects of he montions the class of animals and the class movement (*Princ. of Psychol.*, 488, 491, 493). of sulphur; as an instance of a kind not real, This is useful, since it allows free analysis of the class of white things. It is important the entire set of sensations involved. It is for the understanding of Mill's thought here, accordingly better to follow James's preference as throughout his work, to note that when (now expressed here) for 'keeping the word he talks of 'properties,' he has in mind, a generic one.' Its advantage appears in the mainly, characters interesting to us. Otherdiscussion of the Kinaesthetic Memory and wise, it would not be true that all white things have few properties in common. By Literature: generally the same as for a 'law of nature' he means any absolute INNERVATION SENSATION, and EFFORT (q.v.); uniformity; so that it is hardly enough to (J.M.B.) assert that if all white things had any Kind AS. cynd, nature, from cynde, natural; property P, this would be a consequence, same root as Gr. γένος, Lat. genus]: Ger. under a law of nature, of their whiteness; Art (the word 'kind' is also used to trans- for it would be itself an absolute and ultimate late Ger. Gattung, for which see Hegel's uniformity. Mill says that if the common TERMINOLOGY); Fr. genre; Ital. genere, properties of a class thus follow from a small specie. Before 'class' acquired its logical number of primary characters 'which, as the

phrase is, account for all the rest,' it is not which the psychic aspect is not apparent. A might be proposed: Any class which, in mar of Science (2nd ed., 1900), 339 ff. addition to its defining character, has another that is of permanent interest and is common to be called 'real.'

family]. Another term for Species (q. v.), trifugal impulses. Cf. Aesthesodic. More as in the phrase 'each after his kind' (Gen. inclusive than 'motor' in the same connections, i. 21 ff.). See also Classification (in and not implying that the impulse necessarily biology).

various groupings analogous to biological the like, or even inhibitory impulses, may be species, and has been used in sociology in the kinesodic.

equivalents see the separate topics. A dis- to or growing out of motion, especially motion tinction applied to differences or transformations according as they are (degree) or are not (kind) stated entirely in terms of QUAN-TITY (q. v.).

The distinction, as popularly used, covers many ambiguities and confusions. (J.M.B.)

Kindergarten [Ger. Kinder, children, + Garten, garden]: Fr. jardin de petits enfants : Ital. giardino d' infanzia. A school for very of the containing vessel. young children, in which play is utilized as an instrument of instruction in the facts of nature and the customs and ideals of society.

is as follows:- 'It' shall receive children forces acting upon them, especially the parbefore the school age, give them employment ticular forms which this science assumes when suited to their nature, strengthen their bodies, based upon the relations of kinetic energy to exercise their senses, employ the waking energy of position. mind, make them acquainted judiciously with | Introduced by Maxwell as a substitute for nature and society, cultivate especially the the term dynamics in the former limited heart and temper, and lead them to the founda- sense of that word, the actual sense being

Literature: FROEBEL, Educ. of Man; Bowen, laws of force action.

Kinesis (1) and (2) Metakinesis [Gr. sec CLASSIFICATION (in biology). κινείν, to move, μετά, beyond]: not in use in Kinship [AS. cyn, kin]: Ger. Verwandt-(suggested-E.M.). (1) Physical movement as sanguineità. Blood-relationship. characterizing the material world; and (2) its The word kin belongs to a group of deri-MIND DUST THEORY.

a real kind. He does not remark that the metakinesis is assumed, according to the reman of science is bent upon ultimately thus quirements of the theory, to accompany the accounting for each and every property kinesis. See Lloyd Morgan, Animal Life and that he studies. The following definition Intelligence (1891), and cf. K. Pearson, Gram-

(J.M.B., C.La. W.) Kinesodic [Gr. κίνησις, movement, + and peculiar to its members, is destined to be office, road : Ger. impulsieitend, kinesodisch conserved in that ultimate conception of the (see note on Ger. equiv. for Aesthesodic); universe at which we aim, and is accordingly Fr. kinesodique; Ital. cinesiodico. Originative (c.s.p.) rather than receptive: said of tracts and Kind (in biology) [AS. cynd, from cyn, centres which convey or give origin to cenissues in muscular contraction. Stimuli which The term has been extended to apply to produce or regulate secretion, digestion, and

phrase Consciousness of Kind (q.v.). (J.M.B.) Kinetic [Gr. κινείν, to move]: Ger. kine-Kind and Degree: for the foreign tisch; Fr. cinétique; Ital. cinetico. Relating as an element of energy.

Kinetic theory of gases: the theory that air und other gases are formed of disconnected molecules in rapid motion and constantly colliding: that their heat is only the energy of these molecules due to their motion, and that their elasticity is only apparent, and is really due to the collisions of the molecules against the sides

Kinetic energy: see Energy. Kinetics: Ger. Kinetik; Fr. cinématique; Ital. (teoria) cinetica, cinematica. The science According to Froebel, its founder, the object of the motion of bodies as produced by the

tion of all living-to unity with themselves.' now extended so as to include the general

Froebel and Educ. by Self-activity. (c. De G.) Kingdom and Sub-kingdom (in biology):

Fr. and Ger.; Ital. cinesi and metacinesi schaft: Fr. parente, consanguinite; Ital. con-

supposed correlative or accompanying aspect vatives from roots that originally meant which is psychical or quasi-psychical. Cf. womb. In a series of essays collected in The Chances of Death and other Studies in Terms of the Double Aspect Theory Evolution, Karl Pearson has traced the history (q. v.), introduced by Lloyd Morgan, for the of these words in detail. The weight of two aspects in the case of physical changes in evidence from all sources now shows that