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scribes mirror writing more naturally than ture), Amitosis, and Nucleus. correct writing, performing movements symmetrical with those of the right hand, rather mix]: Ger. vermischt; Fr. composé; Ital. than analogous to them; that is, moving away misto. (1) Mixed proof: a proof which is from the right hand rather than following it. | partly analytic, partly synthetic.

Mirror writing furnishes an important problem to theorists on HANDWRITING (q. v.). It is probably due in children to the incomplete association of the series of hand-movement sensations with the control series of visual sensations. In some the hand unaccustomed to writing reproduces the muscular series to which the other hand is accustomed in itself. (symmetrical accompanying movements); this is in persons who think of writing mainly in terms of the muscular sensation series. Others, the contrary of the visual form of the words, and so reproduce that, giving a correct imitation of the other hand (analogous accompanying movements).

Literature: see HANDWRITING, GRAPHO-LOGY, and Agraphia under Speech and Its flectional or formative element cannot be (J.M.B.)

. Misdemeanour (in law) [OF. mesdemener]: Ger. Vergehen, Uebelverhalten; Fr. délit, and fix such element as an independent existence for petty offences contravention (Code Pénal, in the consciousness of the speech-community. 1); Ital. contravvenzione. A crime less than In bilingual communities it is noticed that a felony; a minor offence. 'In common usage the tendency is for a single sentence-mould to the word "crimes" is made to denote such suffice for two languages. This tendency to offences as are of a deeper and more atrotious use a single mould of syntax with various dye; while smaller faults and omissions of vocabularies has brought about the 'modernless consequence are comprised under the izing' of the syntax of all European langentler name of "misdemeanours" only guages. (Blackstone's Commentaries, iv. 4). (S.E.B.)

Misology [Gr. μισείν, to hate, + λόγος, reason]: Ger. Misologie; Fr. misologie; Ital. under MNEMONICS (q. v.). misologia. Hatred and despair of reason. Sometimes applied to intellectual Pessimism

Missing Link: the immediate ancestor of man. See ANTHROPOID, ad fin.

Mitosis [Gr. μίτος, a thread]: Ger. Mitose; Fr. mitose; Ital. mitosi. The indirect mode of nuclear division, to which the term karyokinesis is also applied.

The chromatin of the nucleus forms a thread,

seen fragmentarily in the reversal, and even Chromosomes (q.v.); these become split the up-or-down-turning, of single letters, each into two halves, which travel to the figures, &c., and in the writing with the left opposite poles of the achromatic spindle hand of many adults who write normally with | (amphiaster), where they become reconstituted the right hand. A simple test is: starting into the two daughter nuclei. Mitosis is the with both hands together before the body, ordinary mode of nuclear division, and is trace one's autograph naturally with each found, with but little variation, in the cell index-finger in mid-air. In many cases of division of the Protozoa and Metazoa, and of right-handed persons the left hand then in- plants also. Cf. Cell Theory (also for litera-

Mixed [Lat. mixtum, from miscere, to

(2) Mixed mode: a mode compounded of simple ideas of several kinds, put together to make one complex one (Locke, Essay concerning Human Understunding, Bk. II. chap.

xii. § 5). See Mode.

(3) Mixed power: a power at once active and passive, because the principle of change is

→ Mixture (linguistic): Ger. Mischung; Fr. mélange; Ital. mescolanza, miscela. Applied to the results of the borrowing from one who do not produce mirror writing, think on language to another of words or other speechelements.

Languages influence each other through ndividuals speaking two or more languages. Words of one language are litted into the sentence framework of another. An inborrowed, i.e. become a loan-eldment, unless enough words containing it are borrowed to (B.I.W.)

Mnemonic Verses and Words (in logic). Aids to memory in logic, of the sort described 1. Instrumenta novem sunt, guttur, lingua,

palatum Quattuor et dentes, et duo labra simul. The following mnemonic verses are contained in the Summulae Logicales of Petrus Hispanus, but were older, perhaps very much

2. 'Quae ?' ca. vel hyp., 'Qualis ?' ne. vel aff., u. 'Quanta?' univ. par. in. velsing. [What is the substance of a proposition? categorical which breaks up into a number of separate or hypothetical. What is its quality? negative or affirmative. What is its quantity? uni-|[The relation of 'Sortem impossibile est versal, particular, indefinite, or singular.

Āstō per contra: sic fit conversio tota. ambae;

ambo.

[E and I apé converted simply; E and A,

Non omnis, quidam non: omnis non. quasi nullus:

Non nullus, quidam; sed 'nullus non valet 'omnis';

Non aliquis, nullus; 'non quidam non valet 'omnis';

Non alter, neuter; 'neuter non' praestat 'uterque.'

[Non placed before omnis or nullus gives the | middle twice as subject.] contradictory proposition; placed after, the contrary; both before and after, the subalter-

5. Primus, Amābīmūs; Edēntūlī que, secundus;

Tertius, Illiace: Purpurca, veliquus. Destruit ū totum, sēd ā confirmat utrum-

Destruit o dictum, destruit o que modum.

Omne necessăriat; impossibile, quasi nullus;

Possibile, quidam; quidam non, pos-

E dictum negat, ī que modum, nihil ā, sed ŭ totum.

of equipollent modal forms.

Tertius est primo contradictorius ordo.

habens se.

sequentem.

currere' and 'Sortem necesse est currere' is 3. Simpliciter Feci, convertitur Evă per acci, that of contraries; they cannot be true at once. The relation 'Sortem possibile est Asserit \bar{A} , negat \bar{E} , sed universaliter currere' and 'Sortem possibile est non currere' is that of subcontraries; they cannot be false Asserit I, negat O, sed particulariter at once. The relation of Sortem possibile est currere' and 'Sortem impossibile est currere' is that of contradictories. The relation of per accidents; A and O, per contrapositionem. Sortem possibile est non currere' and 'Sortem 4. Prae, contradic.; post, contra.; prae necesse est currere' is likewise that of conpostque, subalter. tradictories. 'Sortem possibile est currere' follows from 'Sortem necesse est currere, 73 as does 'Sortem possibile est non currere' from 'Sortem impossibile est currere.']

7. Sub. prae. prima, secunda prae. bis. tertia sub. bis.

The first figure contains the middle term as subject and predicate; the second, the middle as predicated twice; the third, the

8. Bārbara, Cēlārēnt, Darii, Ferio. Baralīpton,

Cēlāntēs, Dăbītīs, Fāpēsmō, Frīsesomörum.

Cēsăre, Cāmēstres, Festīno, Băroko, Dărāpti,

Fēlāpton, Dīsamīs, Dātīsī, Bokārdo, Ferīson.

These are original names of the syllogistic moods, which there is no sufficient reason for abandoning. The direct moods of the first figure are recognizable by their containing no sign of conversion, s, p, or k; the indirect moods (or moods of the fourth figure) by their having those signs attached either to the third vowel or to the first two. In the second The first syllable of each of the four vocables figure, one of the signs s, p is attached to Amabīmus, Edentūli, Illiace, Purpurea, is for the first vowel, or to the second and third, the possible mode; the second for the contin- or k is attached to the second. In the names gent; the third for the impossible; the of the moods of the third figure, s or p is fourth for the necessary. The vowel a signifies attached to the second vowel, or to the first that both mode and 'dictum' are to be taken and third, or k to the first. There are also assertorically; e, that the dictum is to be names for syllogisms with weakened concludenied; i, that the mode is to be denied; sions or strengthened premises, as well as u, that both mode and dictum are to be for indirect moods of the first figure considered denied. Each word refers to a line or order as belonging to a fourth. But the above rules will enable a reader to identify them. 6. Tertius est quarto semper contrarius ordo. Thus, Bramantip can be nothing but Bara-Sit tibi linea subcontraria prima secundae. lipton; while Barbari is Barbara with a weakened conclusion. Camenes can be nothing Pugnat cum quarto contradicendo secun- but Celantes; Dimaris nothing but Dabitis; Fesapo nothing but Fapesmo; Fresison Prima subest quartae vice particularis nothing but Fridesomorum. A writer who introduces an m into the name of a mood con-Hanc habet ad seriem se lege secunda taining an s or p only after its third vowel, or who omits m from the name of a mood

having s or p after the first and second vowels, uses the fourth figure.]

Servat maiorem variatque secunda mino-

[s, in the name of a mood, shows that the proposition denoted by the preceding vowel is, in a preferred mode of reduction, to be and Hamilton says (Lects. on Logic, xiv) that converted simply; p, that it is to be converted 'all logicians' call any proposition affected per accidens; m shows that the premises by a mode a modal proposition. This, howare to be transposed; k, that the preferred ever, is going much too far; for not only has reduction is by reduction of the contradictory the term usually been restricted in practice. of the conclusion to an absurdity, this con- from the age of Abelard, when it first appeared, tradictory of the conclusion being, in the until now, to propositions qualified by the second figure, put in place of the minor four modes 'possible,' 'impossible,' 'necessary, premise (the major being retained), and in and 'contingent,' with only occasional extenthe third figure in the place of the major (the sion to any others, but positive testimonies minor being retained).

A.great number of other memorial words and verses have been proposed by logicians.

memory]: Ger. Mnemonik, Gedächtnisskunst; in the sense of not necessary) proposition, Fr. mnemotechnie; Ital. mnemonica, mnemo- a sort of particular proposition. That is, to tecnica. Mnemonics or memoria technica is assert 'A must be true' is to assert not only the art of memory, a code of rules for ret that A is true, but that all propositions membering. 'The method consists usually in analogous to A are true; and to assert 'A a framework learned mechanically, of which may be true' is to assert only that some the mind is supposed to remain in permanent proposition analogous to A is true. If it be and secure possession. Then, whatever is to asked what is here meant by analogous probe remembered is deliberately associated by positions, the answer is—all those of a certain some fanciful analogy or connection with some class which the conveniences of reasoning part of this framework, and this connection establish. Or we may say the propositions thenceforward helps its recall' (James, Princ. analogous to A are all those propositions

other matter.

LIANISM.

Modality [Lat. modus; see Mode]: Ger. Modalität; Fr. modalité; Ital. modalità. There 9. Simpliciter vult s, verti p vero per acci. is no agreement among logicians as to M vult transponi, k per impossibile what modality consists in; but it is the logical qualification of a proposition or its copula, or the corresponding qualification of a fact or its form, in the ways expressed by Tertia maiorem variat servatque minorem. | the modes possibile, impossibile, contingens, necessarium.

Any qualification of a predication is a mode; to that effect might be cited in abundance.

The simplest account of modality is the scholastic, according to which the necessary (c.s.p.) (or impossible) proposition is a sort of uni-Mnemonics [Gr. μνημονικός, pertaining to versal proposition; the possible (or contingent, (E.B.T.) which in some conceivable state of ignorance Mob [abb. of Lat. mobilis, mobile]: Ger. would be indistinguishable from A. Error is Pöbel; Fr. populace, foule; Ital. plebaglia. See to be put out of the question; only ignorance CROWD. A 'rabble,' the most disreputable is to be considered. This ignorance will consort of mob, is designated in Ger. by Gesindel, sist in its subject being unable to reject certain in Fr. by canaille, and in Ital. by marma- potentially hypothetical states of the universe, lia. (J.M.B., E.M.) each absolutely determinate in every respect, Mobility [Lat. mobilis]: Ger. Beweglich but all of which are, in fact, false. The keit; Fr. mobilité; Ital. mobilità. That aggregate of these unrejected falsities constiproperty of matter by virtue of which it may tute the 'range of possibility,' or better, 'of change its position in space unless impeded by ignorance. Were there no ignorance, this (s.n.) aggregate would be reduced to zero. The Modalism (in theology) [Lat. modus, state of knowledge supposed is, in necessary manner]: Ger. Modalismus; Fr. modalisme; propositions, usually fictitious, in possible Ital. modalismo. The doctrine that the divine propositions more often the actual state of nature is unitary in both substance and the speaker. The necessary proposition asserts personality, and that Father, Son, and Holy that, in the assumed state of knowledge, there Spirit represent simply three different modes is no case in the whole range of ignorance in of temporal manifestation. See SABEL- which the proposition is false. In this sense (A.T.o.) it may be said that an impossibility underlies