of the understanding, according to Kant propositions can be so related that under all (Krit. d. reinen Vernunft, 1. Aufl., 76). Metaphysical necessity is that of God's

Simple = absolute necessity. See above.

The adjectives by which different kinds of necessity are usually distinguished 'include absolute, antecedent, causal, comitant, composite, consequent, deductive, disjunct, disjunctive, external, formal, hypothetical, immepredicative, prime, simple, teleological, uncon-

Mecromancy: see Magic.

acquired craving or want, either bodily, re- las generally been called by that name. vealing itself also in consciousness, or mental.

Needs are deep-seated demands of nature: appeased by recurrent satisfactions; extremely (J.M.B., G.F.S.)

tion, it may be understood (a) as denying the as follows: proposition, or  $(\beta)$  as denying the predicate.

(1) In its logical sense, negation is opposed to affirmation, although, when it is used negative is opposed to positive (fact, &c.).

it is not a term of logic at all, but is prelogical. That is to say, it is one of those ideas which must have been fully developed and mastered before the idea of investigating the legitimacy of reasonings could have been carried to any extent.

in logic. The pragmatist has in view a definite purpose in investigating logical ques- grammar may be. tions. He wishes to ascertain the general

circumstances whatsoever,

The truth of the one entails the truth of the other.

The truth of the one entails the falsity of the other,

The falsity of the one entails the truth of

The falsity of the one entails the falsity of the other.

diate, internal, logical, material, mediate, This must be the first part of logic. It is metaphysical, modal, moral, physical, practical, deductive logic, or (to name it by its principal result) syllogistic. At all times this part of (c.s.p.) logic has been recognized as a necessary preliminary to further investigation. Deductive Meed [AS. nyd]: Ger. Bedürfniss; Fr. and inductive or methodological logic have besoin; Ital. bisogno. A constitutional or always been distinguished; and the former

In order to trace these relations between propositions, it is necessary to dissect the propositions to a certain extent. There are painful or depressing if not satisfied; and different ways in which propositions can be often acting as subconscious motives which dissected. Some of them conduce in no influence action without taking form as con- measure to the solution of the present problem, and will be eschewed by the pragmatist Megation [Lat. negatio, which translates at this stage of the investigation. Such, for Gr. ἀπόφασις]: Ger. Verneinung; Fr. négation; example, is that which makes the copula Ital. negazione. Negation is used (1) logic- a distinct part of the proposition. It may ally, (2) metaphysically. In the logical sense be that there are different ways of useful it may be used (a) relatively, and (b) absolutely. dissection; but the common one, which alone Used relatively, when applied to a proposic has been sufficiently studied, may be described

Taking any proposition whatever, as

'Every priest marries some woman to some man,'//

relatively, this is perhaps not a convenient we notice that certain parts may be struck contrary term; in its metaphysical sense, out so as to leave a blank form, in which, if the blanks are filled by proper names (of The conception of negation, objectively individual objects known to exist), there will considered, is one of the most important of be a complete proposition (however silly and logical relations; but subjectively considered, false). Such blank forms are, for example:

Every priest marries some woman to

---- marries ---- to some man, marries — to -

It may be that there is some language in which the blanks in such forms cannot be The treatment of the doctrine of negation filled with proper names so as to make perfect affords a good illustration of the effects of propositions; because the syntax may be applying the principle of Pragmatism (q.v.) different for sentences involving proper names. But it does not matter what the rules of

The last of the above blank forms is disconditions of truth. Now, without of course tinguished by containing no selective word undertaking to present here the whole develop- such as some, every, any, or any expression ment of thought, let it be said that it is found equivalent in force to such a word. It may that the first step must be to define how two be called a PREDICATE (q. v., sense 2) or ρημα.

Corresponding to every such predicate there but mere signs of the logical relations between is another, such that if all the blanks in the different components of the predicate. The of the two resulting propositions will be true, pragmatism. while the other is false; as

Chrysostom marries Helena to Constantine;

Chrysostom non-marries Helena to Constantine.

from the negation of the other. Two pro-stultus.' positions involving selective expressions may Kant revived this distinction in order to be contradictories; but in order to be so, get a triad to make out the symmetry of his each selective has to be changed from indi- table of categories; and it has ever since cating a suitable selection to indicating any been one of the deepest and dearest studies selection that may be made, or vice versa. of German logicians. No idea is more essentradictories:

Some priest non-marries every woman tives, yea and nay.

of a predicate by simply attaching a non to that is regarded as positive. It is distinit. If we adopt that plan, non-non-marries guished from privation in not implying anymust be considered as equivalent to marries. thing further. It so happens that both in Latin and in Spinoza's celebrated saying, of which the English this convention agrees with the Schellings have made so much, 'omnis deterusage of the language. There is probably minatio est negatio, has at least this foundabut a small minority of languages of the tion, that determinatio to one alternative globe in which this very artificial rule prevails. excludes us from another. The same great

The relation of negation may be re- it too.' garded as defined by the principles of contradiction and excluded middle. See LAWS hazard—it would be a great waste of time to almost any two at that, to have the material exact denial was true, either that it had are to be selected is a question the decision locutor, that it had been part of our storedof which transcends the function of this branch of logic. Hence the indisputable merit of that we had in mind what we took at the Mrs. Frankin's eight copula-signs, which moment to be sufficient ground for its acceptare exhibited as of co-ordinate formal rank. ance. Sigwart is, therefore, right in main-But, so regarded, they are not properly copu- taining that the negative statement, in its

two be filled with the same set of proper logical doctrine connected with those signs is names (of individuals known to exist), one of considerable importance to the theory of

For the negation of modals see MODAL. Conversion by negation = CONTRAPOSITION (q. v.).

Negant or negative negation is the negation effected by attaching the negative particle It is true that the latter is not good grammar; to the copula in the usual Latin idiom, but that is not of the smallest consequence. 'Socrates non est stultus,' in contradistinction Two such propositions are said to be contrato infinite (dopiorn), or infinitant, negation, dictories, and two such predicates to be which is effected by attaching the negative negatives of one another, or each to result particle to the predicate, 'Socrates est non

Thus the two following propositions are con- tially dualistic, and distinctly not triadic, than negation. Not-A = other than A = aEvery priest marries some woman to second thing to A. Language preserves many traces of this. Dubius is between two alterna-

It is very convenient to express the negative the mere absence of a character or relation

Of two contradictory propositions each is truth is impressed upon youth in the uttersaid to result from the negation of the other. ance: 'You cannot eat your cake and have

Predicates are not denied to subjects at OF THOUGHT. That is an admissible, but set forth in language the fact that the vast not a necessary, point of view. Out of the majority of predicates are inapplicable to the conceptions of non-relative deductive logic, vast majority of subjects. In order that a such as consequence, coexistence or composi-negative statement may have any value, there tion, aggregation, incompossibility, negation, must have been some reason to suppose that &c., it is only necessary to select two, and the affirmative statement of which it is the needed for defining the others. What ones been proposed for our acceptance by an interlas or assertions of the relation between the origin, is not of the same primitiveness as the several individual subjects and the predicate, affirmative statement; 'a is not b' is merely a