

Materna, Pavel

[Kyburg, Henry E. Philosophy of science: a formal approach]

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známém Medawarově odsudku Teilhardových názorů, zvláště jeho vývojové koncepce. (Medawarův článek O Teilhardovi de Chardin z časopisu *Mind* 1961 vyšel i německy ve sborníku Club Voltaire 1963.) Z prací Teilhardovi příznivě nakloněných upozorňuje zde Barbour zvláště na Dobzhanského poznámky o Teilhardovi v knize *Manking Evolving* (Yale University Press 1962). — Barbourova kniha o Teilhardovi putování po stopách života (vyšla už i ve francouzském překladu) si zaslouží pozornosti všech Teilhardových čtenářů.

Jiří Gabriel

Jaakko Hintikka: Models for modalities. Selected Essays. D. Reidel Publishing Company, Dordrecht-Holland, Synthese Library, 1969, vii + 222 pp.

This volume contains the author's Introduction, nine of his articles (modified or expanded) which have been published in various journals, proceedings etc. or have been read on Colloquiums or Congresses, a note on the origin of the essays, index of names and index of subjects. The nine essays are under four headings: I. Methodological orientation (1 essay), II. The logic of existence (2 essays), III. The semantics of modality (4 essays), IV. Conceptual analyses (2 essays). — The reviewed volume gives a representative picture of Hintikka's methods of semantic analysis whether applied to the problems of existence or to the problems of modality, perception a.s.o. The Hintikka's main tool — the concept of the "model set" — is of course not the only means of a logical analysis; however, it represents a very interesting modification of the Leibnizean (or recently: Carnapian) idea of the "possible worlds". There are some misprints in this volume and certainly some questionable passages. We would also have appreciated, if more remarks had been made where the author refers to some concepts a.s.o. which have been explained by him elsewhere (e.g. p. 10: the Reader cannot understand some commentaries made by the author in case that he is not familiar with what is C.K.K.* a.s.o.

Pavel Materna

Karel Lambert, ed.: Philosophical Problems in Logic. Some Recent Developments. D. Reidel Publishing Company, Dordrecht-Holland, Synthese Library, 1970, v + 178 pp.

Contains seven essays "based on addresses presented during a colloquium on free logic, modal logic and related areas held on the University of California at Irvine, in May of 1968" (K. Lambert: Preface). Hintikka's essay ("Existential Presuppositions...") is reprinted also in "Models for Modalities". The other essays concern the problems connected with modal logics (semantics: K. Lambert et Bas C. van Fraassen, Dana Scott; more technical questions: Richmond H. Thomason), with the semantics of the theory of types (H. Leblanc, R. K. Meyer), with the three-valued and free logics (Peter W. Woodruff) and with the probability (J. M. Vickers). Index of names. A very informative and representative book. Some misprints.

Pavel Materna

Henry E. Kyburg, Jr.: Philosophy of Science: A Formal Approach. The Macmillan Company, N. Y. and Collier-Macmillan Limited, London, 1968, xii + 332 pp.

This is an introduction to philosophy of science containing eight "general" chapters (ch. 1–7, 14) and six "special" chapters concerning some problems of special sciences. The general chapters concern the concept of formal system and the problems of inductive (probabilistic) methodology, the last chapter giving some survey of problems connected with such paradoxes of the modern philosophy of science as is "paradox of confirmation" ("ravens") and Goodman's problem ("grue"). The author tries to apply the contemporary rigid methodology based on the theory of formal systems. Informative as the book is it is unfortunately not free from some vagueness and a great number of errors (and misprints). (Some of them are commented in the *Journal of Symbolic Logic* 34/4, 1969, p. 643–644 by David Miller.) All the same, it may be useful for a beginning but critical reader.

Pavel Materna