

All manuscripts for publication should be typewritten with wide margin and wide spacing between the lines, and the author should keep a complete copy; footnotes should be numbered consecutively and should also be typed with wide margin and wide spacing (preferably on a separate sheet). If an article is of more than thirty-two (printed) pages in length, the editors reserve the right to divide it between two or more, not necessarily consecutive, numbers. Authors receive fifty reprints of each article, with covers, and additional reprints may be purchased if desired.

The Association assesses page charges at the rate of \$30.00 per page for all papers (excluding reviews) that appear in the JOURNAL. All bills for page charges will be submitted to the author's host institution or employing company, if any. Authors are not liable for the payment of page charges, nor for their acceptance and payment by employing organizations.

Attention is called to the fact that the JOURNAL invites submission of (1) original technical papers in the field of symbolic logic, (2) expository papers in this field, (3) philosophical papers which bear upon this field or make use of its methods, and (4) studies in the history of logic in which modern technical developments are taken into account.

TABLE OF CONTENTS

Semantics of the infinitistic rules of proof. By KRZYSZTOF RAFAL APT	121
Elementary extensions of countable models of set theory. By JOHN E. HUTCHINSON	139
Ed-regressive sets of order n . By SETH CATLIN	146
Selection in abstract recursion theory. By L. A. HARRINGTON and D. B. MACQUEEN	153
An intuitionistic completeness theorem for intuitionistic predicate logic. By WIM VELDMAN	159
On Σ_1 well-orderings of the universe. By LEO HARRINGTON and THOMAS JECH	167
Applications of Vaught sentences and the covering theorem. By VICTOR HARNIK and MICHAEL MAKKAJ	171
Monotone inductive definitions over the continuum. By DOUGLAS CENZER	188
Diversity of speed-ups and embeddability in computational complexity. By DONALD A. ALTON	199
The \prec -order on submodels. By LEO MARCUS	215
An abstraction algorithm for combinatory logic. By S. KAMAL ABDALI	222
A combinatorial property of $p_{\kappa\lambda}$. By TELIS K. MENAS	225
Boolean combinations of r.e. open sets. By LOUISE HAY	235
The truth about some Post numbers. By KRISTER SEGERBERG	239
A Boolean ultrapower which is not an ultrapower. By BERND KOPPELBERG and SABINE KOPPELBERG	245
Minimal upper bounds for ascending sequences of α -recursively enumerable degrees. By C. T. CHONG	250
European meeting of the Association for Symbolic Logic, Kiel, 1974. By G. H. MÜLLER, A. OBERSCHELP and K. POTTHOFF	261
Abstracts of papers	262
Meeting of the Association for Symbolic Logic, Washington, D.C., 1975. By JAMES OWINGS, HILARY PUTNAM and GERALD SACKS	279
Abstracts of papers	279