

THE  
JOURNAL  
OF  
SYMBOLIC LOGIC

EDITED BY

ALONZO CHURCH    HARTLEY ROGERS, JR    ARTHUR N. PRIOR  
ALICE A. LAZEROWITZ    JULIA ROBINSON

*Managing Editor:* ALFONS BORGERS

*Consulting Editors:*

ALAN ROSS ANDERSON	HANS HERMES	ABRAHAM ROBINSON
C. A. BAYLIS	E. J. LEMMON	GENE F. ROSE
JONATHAN F. BENNETT	RICHARD MONTAGUE	BARKLEY ROSSER
PAUL BERNAYS	ANDRZEJ MOSTOWSKI	H. ARNOLD SCHMIDT
MARTIN DAVIS	GERT H. MÜLLER	KURT SCHÜTTE
FREDERIC B. FITCH	STEVEN OREY	DANA SCOTT
G. HASENJAEGER	RÓZSA PÉTER	J. F. THOMSON
LEON HENKIN		A. R. TURQUETTE

VOLUME 29    NUMBER 2  
JUNE 1964

PUBLISHED QUARTERLY BY THE ASSOCIATION FOR SYMBOLIC LOGIC, INC  
WITH SUPPORT FROM UNESCO THROUGH ICSU AND FROM INSTITUTIONAL  
MEMBERS

---

*Copyright 1964 by the Association for Symbolic Logic, Inc.*  
*Reproduction by photostat, photo-print, microfilm, or like process by permission only*

## TABLE OF CONTENTS

(published August, 1964)

Further results on infinite valued predicate logic. By L. P. BELLUCE . . . . .	69
Results concerning some modal systems that contain S2. by LENNART ÅQVIST . . . . .	79
Reviews . . . . .	88
Notice of a meeting of the Association for Symbolic Logic . . . . .	113

---

THE JOURNAL OF SYMBOLIC LOGIC is the official organ of the Association for Symbolic Logic Inc., published quarterly, in the months of March, June, September, and December. The Journal is published for the Association by *N.V. Erven P. Noordhoff, Publishers, Groningen, The Netherlands*. The subscription price is six dollars and fifty cents annually, for current subscriptions. New subscriptions must begin with the first number of the current volume, as determined by the date of receipt of the subscription. Completed volumes are sold at nine dollars (volumes 1–12) and eleven dollars (volumes 13–25). Members of the Association of three years standing may purchase back volumes of the Journal at reduced rates for their personal use (except volume 1). THE JOURNAL OF SYMBOLIC LOGIC publishes the official notices of the Division of Logic, Methodology and Philosophy of Science of the International Union of History and Philosophy of Science.

Applications for membership in the Association, subscriptions to the JOURNAL, changes of address, and all business correspondence should be addressed to: ***The Association for Symbolic Logic, 190 Hope Street, Providence 6, Rhode Island.***

Articles for publication in the JOURNAL should be sent to *Hartley Rogers, Jr., Massachusetts Institute of Technology, Cambridge 39, Massachusetts* or to *Alice A. Lazerowitz, 31 Langworthy Road, Northampton, Massachusetts* or to *Arthur N. Prior, University of Manchester, Manchester, England* or to *Julia Robinson, 243 Lake Drive, Berkeley 8, California*.

All manuscripts 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.

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.

Authors and publishers are requested to send, for review, copies of books and reprints of articles in journals to *Alonzo Church, Fine Hall, Princeton University, Princeton, New Jersey*.