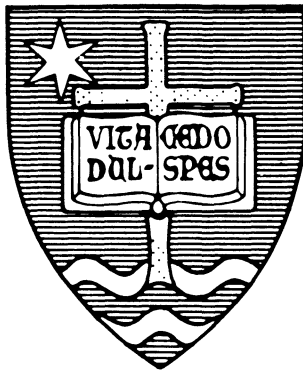


Notre Dame

JOURNAL OF FORMAL LOGIC



VOLUME 25, NUMBER 3
JULY 1984

PUBLISHED QUARTERLY BY THE
UNIVERSITY OF NOTRE DAME, NOTRE DAME, INDIANA

NOTRE DAME JOURNAL OF FORMAL LOGIC

Editors:
Ernest LePore
Penelope Maddy
Mark E. Nadel

Consulting Editors:
Elliott Mendelson
V. Frederick Rickey
Howard Wettstein
Paul Young

Business Manager:
Michele Daugherty

VOLUME 25, NUMBER 3, JULY 1984

CONTENTS

Trees and finite satisfiability: Proof of a conjecture of Burgess. By <i>George Boolos</i>	193
Probability logic. By <i>Theodore Hailperin</i>	198
A model theoretic proof of Feferman's preservation theorem. By <i>David Marker</i>	213
Read on relevance: A rejoinder. By <i>John P. Burgess</i>	217
Finitary consistency of a free arithmetic. By <i>Ermanno Bencivenga</i>	224
Skolem fragments. By <i>Daniel Bonevac</i>	227
Aggregating subjective probabilities: Some limitative theorems. By <i>Carl Wagner</i>	233
Correcting the tableau procedure for S4. By <i>Bangs L. Tapscott</i>	241
Mechanizing logic I: Map logic extended formally to relational arguments. By <i>John Rybak</i> and <i>Janet Rybak</i>	250
Mechanizing logic II: Automated map logic method for relational arguments on paper and by computer. By <i>Janet Rybak</i> and <i>John Rybak</i>	265
Addenda and corrigenda to "The published work of Kurt Gödel". By <i>John W. Dawson, Jr.</i>	283

Notre Dame Journal of Formal Logic is published quarterly by the University of Notre Dame in January, April, July, and October of each year. The Journal is composed by Beljan, Ltd., Dexter, Michigan and printed by Cushing-Malloy, Inc., Ann Arbor, Michigan. Second-class postage paid at Notre Dame, Indiana 46556.

Subscriptions are \$35.00 per year for institutions and \$20.00 for individuals. Back volumes are \$20.00 each for Volumes 1-10 and \$35.00 each for Volumes 11-24. Orders for subscriptions and back volumes (accompanied by payment) and changes of address should be sent to the *Business Manager*, P.O. Box 5, Notre Dame, Indiana 46556, U.S.A.

Copyright © 1984 by the University of Notre Dame. All rights reserved.
Codon: NDJFAM.

Notre Dame Journal of Formal Logic (ISSN 0029-4527)