NOTRE DAME JOURNAL OF FORMAL LOGIC

Edited by

Bolesław Sobociński

VOLUME V 1964

NOTRE DAME JOURNAL OF FORMAL LOGIC

Edited by

Bolesław Sobociński

VOLUME V 1964

VOLUME V

1964

Published quarterly by the University of Notre Dame Press
Notre Dame, Indiana

NOTRE DAME JOURNAL OF FORMAL LOGIC

Volume V 1964

CONTENTS

Emil Artin, his life and his work. By Hans Zassenhaus 1
A stronger form of a theorem of Friedberg. By Kempachiro Ohashi10
Commutative recursive word arithmetic in the alphabet of prime numbers. By Henry A. Pogorzelski
A note on pseudo doubly creative pairs. By Thomas G. McLaughlin
Direct consistency proof of Gentzen's system of natural deduction. By Andrés R. Raggio
Concrete and abstract properties. By Guido Küng 31
A detailed argument for the Post-Lineal theorems. By Mary Katherine Yntema
A theorem of Sierpiński on triads and the axiom of choice. By Bolesław Sobociński
Modal systems in the neighbourhood of T. By Ivo Thomas 59
Further axiomatizations of the Łukasiewicz three—valued calculus. By Federico M. Sioson
Remarks about axiomatizations of certain modal systems. By Bolesław Sobociński
Remarks on the completeness of logical systems relative to the validity - concepts of P. Lorenzen and K. Lorenz. By Wolfgang Stegmüller
On a class of regular sets. By Vladeta Vučković 113
Two remarks concerning Menger's and Schultz' postulates for substitutive algebra of the 2-place functors in the 2-valued calculus of propositions. By <i>Richard Peters</i> 125
Three axiom negation - alternation formulations of the truth - functional calculus. By George Goe
The bearer of ontological commitment. By Harry A. Nielsen 133
A note on Prior's systems in "The theory of deduction". By Bolesław Sobociński

On the propositional system A of Vučković and its extension. I.	4.44
By Bolesław Sobociński	141
Boolean algebroids. By $R. E. Clay$ and $S. K. Sehgal$	154
A note about connection of the first - order functional calculus with many valued propositional calculi. By Juliusz Reichbach	158
Types in combinatory logic. By Louis E. Sanchis	161
Obligation dérivée et logique déontique relationnelle. By Georges Kalinowski	181
The pragmatics of truth functions. By Lucio Chiaroviglio and Albert M. Sweet	191
A natural deduction system for modal logic. By John Thomas Canty	199
An axiomatization of Prior's modal calculus Q . By R . A . $Bull$	211
Axiomatisations of the modal calculus Q. By A. N. Prior	215
A note on selfreferential statements. By Nicholas Rescher	218
Universal variable non-Tarskian functors. By <i>Ivo Thomas</i>	221
On the propositional calculus A of Vučković and its extension. II. By Bolestaw Sobociński	223
Syllogistic inference within the propositional calculus. By Kenneth M. Sayre	238
Contributions to syntax, semantics, and the philosophy of science. By Rolf Schock	241
Ockham, suppositio, and modern logic. By Desmond Paul Henry.	290
A liberalized system of quantificational deduction. By Thomas E. Patton	293
Possibility—elimination in natural deduction. By William A. Wisdom	295
K1, K2 and related modal systems. By A. N. Prior	299
Modal system S4.4. By Bolesław Sobociński	305
Family K of the non-Lewis modal systems. By Bolesław Sobociński	313
Decision procedures for S2 ^o and T ^o . By <i>Ivo Thomas</i>	319