

# NOTRE DAME JOURNAL OF FORMAL LOGIC

**EDITORS:**

Michael Detlefsen

Anand Pillay

**PRODUCTION & BUSINESS MANAGER:**

Martha Kummerer

**SUBSCRIPTIONS MANAGER:**

Jan Houseman

**COMPOSITOR:**

R. Dennis Potter

VOLUME 37, NUMBER 3, SUMMER 1996

## CONTENTS

Introduction to <i>Life, Art, and Mysticism</i> . By <i>Walter P. Van Stigt</i> .....	381
<i>Life, Art, and Mysticism</i> by Luitzen Egbertus Jan Brouwer. Translation by <i>Walter P. Van Stigt</i> .....	391
Connection Structures: Grzegorzczuk's and Whitehead's Definitions of Point. By <i>Loredana Biacino and Giangiacomo Gerla</i> .....	431
Dual-Intuitionistic Logic. By <i>Igor Urbas</i> .....	440
Classical and Intuitionistic Models of Arithmetic. By <i>Kai F. Wehmeier</i> .....	452
A Constructive Valuation Semantics for Classical Logic. By <i>Franco Barbanera and Stefano Berardi</i> .....	462
Semantics for Two Second-Order Logical Systems: $\equiv$ <b>RRC</b> * and Cocchiarella's <b>RRC</b> *. By <i>Max A. Freund</i> .....	483
On Elementary Equivalence for Equality-free Logic. By <i>E. Casanovas, P. Dellunde, and R. Jansana</i> .....	506

---

*Notre Dame Journal of Formal Logic* (ISSN 0029 4527) is published quarterly in the Winter, Spring, Summer, and Fall of each year by the University of Notre Dame, P.O. Box 5, Notre Dame, Indiana 46556-0005. The Journal is printed by Cushing-Malloy, Inc., Ann Arbor, Michigan. Second-class postage paid at Notre Dame, Indiana 46556. POSTMASTER: Send address changes to Notre Dame Journal of Formal Logic, P.O. Box 5, Notre Dame, Indiana 46556-0005.

Copyright ©1996 by the University of Notre Dame. All rights reserved.