# THE BULLETIN

## OF

## **SYMBOLIC LOGIC**

## EDITED BY

ROD DOWNEY, Managing Editor

MATTHEW FOREMAN MANUEL LERMAN

AKIHIRO KANAMORI H. DUGALD MACPHERSON PHOKION KOLAITIS PENELOPE MADDY

## **REVIEWS EDITORS**

ALASDAIR URQUHART, Reviews Managing EditorLev BeklemishevMirna DžamonjaDavid EvansErich GrädelGeoffrey HellmanDenis HirschfeldtJulia KnightMichael C. LaskowskiRoger MadduxVolker PeckhausWolfram PohlersSławomir Solecki

Volume 10 · Number 3 · September 2004 ISSN 1079-8986

PUBLISHED QUARTERLY BY THE ASSOCIATION FOR SYMBOLIC LOGIC, INC. WITH SUPPORT FROM INSTITUTIONAL MEMBERS

Copyright ©2004 by the Association for Symbolic Logic. All rights reserved. Reproduction by photostat, photo-print, microfilm, or like process by permission only.

## **TABLE OF CONTENTS**

## ARTICLES

roreing in proor moory, of canadian and a second seco	305
Notes on quasiminimality and excellence, by JOHN T. BALDWIN	334
Transfinite progressions: a second look at completeness, by TORKEL FRANZÉN	367

#### COMMUNICATIONS

Is	s the Euclidean algorithm optimal among its peers?, by LOU VAN DEN DRIES	
	and YIANNIS N. MOSCHOVAKIS	390

### REVIEWS

R. Vilkko A hundred years of logical investigations. Reviewed by Javier Legris	419
V. A. Bazhanov, Ocerki sotsialnoj istorii logiki v Rossii [Sketches of the social history	
of logic in Russia]. Reviewed by Werner Stelzner	421
D. Hesseling, Gnomes in the fog. Reviewed by Mark van Atten	423
J. Halpern, Reasoning about Uncertainty. Reviewed by Ian Pratt-Hartmann	427
G. Debs and J. Saint Raymond's work on compact covering maps and descriptive set	
theory. Reviewed by Ilijas Farah	430

#### IN MEMORIAM

In Memoriam: Willem Johannes Blok, 1947–2003, by JOEL BERMAN	435
2004 Spring Meeting of the Association for Symbolic Logic, Chicago, Illinois, April	438
23–24, 2004	430
Zealand, January 17–18, 2004	447
Notices	452

THE BULLETIN OF SYMBOLIC LOGIC (ISSN 1079-8986) is published quarterly. in the months of March. June, September, and December, by the Association for Symbolic Logic, Inc., 124 Raymond Avenue, Poughkeepsie, NY 12604-0001, USA. Periodicals postage is paid at Poughkeepsie NY and at additional mailing offices. The BULLETIN is distributed with THE JOURNAL OF SYMBOLIC LOGIC; the 2004 annual subscription price for the two journals is \$475. Online subscription is available from Project Euclid: visit http://projecteuclid.org/bsl. Postmaster: Send address changes to The Bulletin of Symbolic Logic, Journals Division UIP, 1325 South Oak Street, Champaign, IL 61820-6903, USA. Business correspondence should be sent to the Secretary-Treasurer of the Association, Charles Steinhorn (address on inside back cover).

The BULLETIN and the JOURNAL are the official organs of the Association for Symbolic Logic, an international organization for furthering research in symbolic logic and the exchange of ideas among mathematicians, philosophers, computer scientists, linguists, and others interested in this field. The BULLETIN invites submission of *Articles* and *Communications* and publishes reviews of publications in logic.

Articles should be expository or survey papers of broad interest that are accessible to a wide audience of logicians. They may deal with any areas of logic including mathematical or philosophical logic, logic in computer science or linguistics, the history or philosophy of logic, and applications of logic to other fields.

10 9 8 7 6 5 4 3 2 1 09 08 07 06 05 04

Continued on inside back cover