Notre Dame

JOURNAL of FORMAL LOGIC



Volume 27 1986

NOTRE DAME JOURNAL OF FORMAL LOGIC

Editors: Michael Detlefsen Kit Fine Mark E. Nadel Howard K. Wettstein

Associate Editors: Ernest LePore Penelope Maddy

Consulting Editors: Elliott Mendelson V. Frederick Rickey Alan Rose Paul Young

Business Manager: Michele Daugherty

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. Secondclass postage paid at Notre Dame, Indiana 46556.

Subscriptions are \$40.00 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 11-26. 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 © 1986 by the University of Notre Dame. All rights reserved. Coden: NDJFAM.

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

The

NOTRE DAME JOURNAL OF FORMAL LOGIC

is pleased to announce a

SPECIAL ISSUE ON FREGE

VOLUME 28 NUMBER 1 JANUARY 1987

CONTENTS

C. Anthony Anderson Semantical antinomies in the logic of sense and denotation

David Bell

Gregory Currie

Remarks on Frege's conception of inference
Richard L. Mendelsohn

Frege's two senses of "is"

A. W. Moore and Andrew Rein

Frege's permutation argument

Terence Parsons

On the consistency of the first-order portion

of Frege's logical system

Susan I. Russinoff
On the brink of a paradox?

Peter Schroeder-Heister
A model-theoretic reconstruction of

Frege's permutation argument
Frege against the Booleans
The rationalist conception of logic
Frege on truth and reference

Hans Sluga Steven J. Wagner Palle Yourgrau

Editors:

Michael Detlefsen Kit Fine Mark E. Nadel Howard K. Wettstein Associate Editors:

Ernest LePore Penelope Maddy

Consulting Editors:

Elliott Mendelson V. F. Rickey Alan Rose Paul Young

Business Manager:

Michele Daugherty

Annual Subscription Rates:

\$40.00 (institution) \$20.00 (individual)

Published by:

The University of Notre Dame, Notre Dame IN 46556 USA

An International Quarterly Journal of General Philosophical Inquiry Editor, John HOSPERS

Editorial Board: William P Alston, Monroe C. Beardsley, Dagfin Follesdal, R. Barcan Marcus, Joseph Margolis, Richard Martin, Wallace I. Matson, Joseph Owens, Richard Rorty, Wilfrid Sellars, Anita Silvers, John E. Smith, Richard Wasserstrom.

Managing Editor: Sherwood J. B. SUGDEN

EACH ISSUE IS LIMITED TO ARTICLES ON A SINGLE GENERAL TOPIC. Communicate in advance with the Editor for special instructions. Two nonreturnable copies (one copy outside the U.S. and Canada) should be submitted NINE MONTHS PRIOR to the announced publiation date. Papers should be prepared for anonymous submission to readers, and should be from 10 to 20 double-spaced typewritten pages in length, including notes.

SCHEDULED PUBLICATION DATES:

Vol. 70, No. 1 Jan., 1987 Animal Rights

Vol. 70, No. 2 Apr., 1987 Irrationality

Vol. 70, No. 3 July, 1987 The Ethics of Nuclear Warfare

Vol. 70, No. 4 Oct., 1987 Thomas Reid and His Contemporaries

Vol. 71, No. 1 Jan., 1988 Philosophical Problems of Space Exploration

Vol. 71, No. 2 Apr., 1988 Aesthetics and the Histories of the Arts

Vol. 71, No. 3 July, 1988 Justification

Vol. 71, No. 4 Oct., 1988 Descartes and His Contemporaries

Editorial Office: School of Philosophy, University of Southern California Los Angeles, CA 90089

Business Office: Box 600, La Salle, Illinois 61301

SUBSCRIPTION RATES: United States: Annual (4 issues): Institutions, \$24.00; Individuals, \$15.00. Single copies: \$6.00. Foreign postage: Add 50 cents to single copy rate or \$1.00 to subscription.

The British Journal for the Philosophy of Science

Contents, Volume 36, Number 4, December 1985

Articles SCOTT A. KLEINER Darwin's and Wallace's Revolutionary Research Programme TONY LAWSON The Context of Prediction (and the Paradox of Confirmation)
JIANG TIANJI Scientific Rationality, Formal or Informal?

COLIN HOWSON and ALLAN FRANKLIN A Bayesian Analysis of Excess Content and the Localisation of Support NEIL A. SHELDON One Wave or Three? A Problem for Realism

Review Article

J. M. B. MOSS The Mathematical Philosophy of Charles Parsons (review of CHARLES PARSONS: Mathematics in Philosophy: Selected Essays)

Mary Midgley on ROBERT BOAKES: From Darwin to Behaviourism: Psychology and the Minds of Animals, John E. Smith on ERROL E. HARRIS: An Interpretation of the Logic of Hegel; Andrew Barker on G. S. KIRK, J. E. RAVEN and M. SCHOFIELD: The Presocratic Philosophers. Second edition; Hans Sluga on HERBERT SCHNÄDELBACH: Philosophy in Germany. 1831 – 1933; J. R. Lucas on RICHARD SORABII: Time, Creation and the Continuum; Gregory Currie on CRISPIN WRIGHT: Frege's Conception of Numbers as Objects.

Recent Publications

Index for Volume 36 (1985) enclosed.

Published for the British Society for the Philosophy of Science by Aberdeen University Press, Farmers Hall, Aberdeen AB9 2XT, Scotland

Editor: G. M. K. Hunt

Price £5.00 (Britain)

£6.00 (Outside Britain)

Subscription Price £16.00 (Britain) £19.00 (Outside Britain)

CALL FOR PAPERS

ARGUMENTATION

An International Journal on Reasoning

First Issue: Spring 1987

D. Reidel Publishing Company are pleased to announce that in the Spring of 1987 they will commence publication of *Argumentation*, an International Journal on Reasoning.

Scope. Argumentation has seen a major revival in the twentieth century, in the United States as well as in Europe, under the influence of the philosophy and linguistic analysis of everyday reasoning. Interest in rhetoric has now extended beyond the traditional boundaries set by the classics

Argumentation is a new international journal. Its aim is to gather contributions from all schools of thought – ranging from literary rhetoric to linguistics, from history to logic, from theological arguments to legal reasoning, from natural inference to the argumentative structures of science.

This journal is of special concern to specialists in speech and communication, philosophers, literary critics, and linguists, as well as all those interested in natural and artificial intelligence.

The Editors are Jean-Blaise Grize (Neuchâtel, Editor-in-Chief), Michel Meyer (Brussels), Frans van Eemeren (Amsterdam). Managing Editors: Christian Plantin (Brussels), Rob Grootendorst (Amsterdam). Editorial Board: Jean-Claude Anscombre (Paris), Marie-Jeanne Borel (Lausanne), Marc Dominicy (Brussels).

Manuscripts for publication (the original + two copies) should be sent to Dr Michel Meyer, European Centre for the Study of Argumentation (CEEA), Université Libre de Bruxelles, Institut de Philosophie, 143 avenue A. Buyl, C. P. 188, 1050 Brussels, Belgium. The author should retain an additional copy of the manuscript for reference. Unless a specific request is made, copies will not be returned.

The principal language of the journal is English, but papers in French are also accepted.

Enquiries concerning Information for Authors, sample copies, and subscriptions should be addressed in the first instance to: The Journals Department, D. Reidel Publishing Company, P.O. Box 17, 3300 AA Dordrecht, Holland. (Telephone: (31)78–334208. Telex: 29245 reid nl.)

ANNOUNCEMENT AND CALL FOR PAPERS LOGIC AND LINGUISTICS CONFERENCE

A conference on theoretical interactions of linguistics and logic, sponsored by the Association for Symbolic Logic and the Linguistic Society of America, will be held at Stanford University on July 10 and 11, 1987. The organizing committee is soliciting abstracts for presentation at the conference in three categories:

- 1. Contributed abstracts of at most 300 words for 15 minute presentations;
- 2. Contributed abstracts of at most 1000 words for 40 minute presentations;
- 3. Suggestions for symposia.

Suggestions for symposia are due on February 1, 1987, and all abstracts are due on March 1, 1987. All communications should state whether the authors are members of the LSA or the ASL, and should be sent to the following address.

ASL/LSA 87 Richmond H. Thomason Linguistics Department University of Pittsburgh Pittsburgh, PA 15260

Netmail can be directed to thomason@c.cs.cmu.edu.ARPA.

Noûs

Hector-Neri Castaneda, editor Earl Conee, associate editor

VOLUME 20, NO. 2

June 1986

Articles: S.R. Miller/Conventions, Interdependence of Action, and Collective Ends; Mark Platts/Desire and Action; Milton Fisk/Free Action and Historical Materialism; Geoffrey Sayre-McCord/Deontic Logic and the Priority of Moral Theory; Michael Zimmerman/Negligence and Moral Responsibility; Robert M. Gordon/Desire and Self-Intervention.

Critical Reviews: Michael Slate by Doug Walton; Noval Morris by Michael Bayles; Hubbard and Karnofsky by Alfred Mele; Tom Campbell by Edmund Pincoffs; Peter van Inwagen by Tomis Kapitan; Peter Jones by Fred Wilson; George Dickie by Arthur Fine; C.G. Prado by Charles Crittenden.

VOLUME 20, No. 3

Sept. 1986

Articles: C.U. Moulines/The Ways of Holism; Samuel Wheeler/Persons and Their Micro Particles; Philip L. Peterson/Revealing Designators and Acquaintance with Universals; Roderick M. Stewart Nietzsche's Perspectivism and the Autonomy of the Master Type; Harold Skulsky/Metaphorese; Howard Seeman/Questioning the Basis of Hume's Empiricism: 'Perceptions', What Are They?'.

Critical Reviews: R.S. Brumbaug by Ronald Hoy; Manser and Stock by Panayot Butchvarov; Braeme Nicholson by Vallecella; Tom Regan by L.W. Sumner; Robert Nozick by Luis A. Camacho; Henry E. Kyburg by Isaac Levi.

Subscribe to: Noûs %Secretary

Submissions to: Noûs %Editor Dept. of Philosophy Indiana University Sycamore 126

Bloomington, IN 47405

1986 Subscriptions: Institutions: \$39.00 Individuals: \$20.00 Single Issues: \$10.00

NOTRE DAME JOURNAL OF FORMAL LOGIC

Editors:
Michael Detlefsen
Kit Fine
Mark E. Nadel
Howard K. Wettstein

Associate Editors: Ernest LePore Penelope Maddy Consulting Editors: Elliott Mendelson V. Frederick Rickey Alan Rose Paul Young

Business Manager: Michele Daugherty

GUIDE TO AUTHORS

The *Journal* encourages submission of articles in all areas of philosophical and mathematical logic; the philosophy, foundations, and history of logic and mathematics; and semantics for natural language.

Manuscripts (including notes and references) should be typed on one side of the page only, double-spaced with wide margins. Since manuscripts are refereed anonymously, we ask that the author's name and institutional affiliation be kept on a separate cover sheet. Handwritten symbols, uppercase vs lowercase letters, ambiguous symbols (l vs 1, o vs O and 0), and non-Roman characters should be identified in the margin. Notes should be indicated in the text by a superscript number and grouped at the end of the manuscript text, preceding the references. References should be listed alphabetically by the first author's last name. References should include the article title, unabbreviated Journal name, volume number, year, and page numbers. References to books should include the publisher, city, and year of publication. Three copies should be sent to Editors, P.O. Box 5, Notre Dame, Indiana 46556, U.S.A.

Page proofs are sent to authors for correction of errors that occur in composition. Any special composition costs arising from an author's revision of the text in proof will be charged to the author. Fifty reprints, without covers, will be supplied free of charge; covers or additional reprints may be purchased.

The Notre Dame Journal of Formal Logic is published quarterly by the University of Notre Dame in January, April, July, and October. Yearly subscriptions are \$40.00 for institutions and \$20.00 for individuals. Back volumes are \$20.00 each for Volumes 1–10 and \$35.00 each for Volumes 11–26. Orders (accompanied by payment in U.S. funds only) and changes of address should be sent to Michele Daugherty, Business Manager, P.O. Box 5, Notre Dame, Indiana 46556, U.S.A.