Philosophy of Science

Volume 56 1989

Reprinted with the permission of the original publisher by Periodicals Service Company Hudson, NY 2021

Printed on acid-free paper.

This reprint was reproduced from the best original edition copy available.

NOTE TO THE REPRINT EDITION:

In some cases full page advertisements which do not add to the scholarly value of this volume have been omitted.

As a result, some reprinted volumes may have irregular pagination.

PHILOSOPHY OF SCIENCE

Official Journal of the Philosophy of Science Association



VOLUME 56, NUMBER 1

March, 1989

PHILOSOPHY OF SCIENCE

(ISSN 0031–8248) JOURNAL OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

EDITORIAL BOARD:

ROBERT E. BUTTS, *Editor-in-Chief*WILLIAM DEMOPOULOS AND ALISON WYLIE, *Associate Editors*

PETER ACHINSTEIN	GARY GUTTING	THOMAS NICKLES
PETER ASQUITH	IAN HACKING	Ilkka Niiniluoto
JOHN BEATTY	WILLIAM HARPER	GLENN PEARCE
JEFFREY BUB	MARY HESSE	ALEXANDER ROSENBERG
RICHARD BURIAN	DAVID HULL	MICHAEL RUSE
Nancy Cartwright	PHILIP KITCHER	KENNETH SCHAFFNER
LINDLEY DARDEN	HENRY KYBURG, JR.	DUDLEY SHAPERE
JOHN EARMAN	LARRY LAUDAN	LAWRENCE SKLAR
Anne Fagot	Andrew Lugg	BRIAN SKYRMS
ARTHUR FINE	PETER MACHAMER	Frederick Suppe
Jerry Fodor	Vaughn McKim	PATRICK SUPPES
MICHAEL FRIEDMAN	DAVID MALAMENT	Bas van Fraassen
RONALD GIERE	ROBERT MATTHEWS	
CLARK GLYMOUR	JOHN NICHOLAS	

EDITORIAL ASSISTANT:

COPY ASSISTANT:

Andrea Purvis

Graham Solomon

GOVERNING BOARD OF THE ASSOCIATION:

Arthur Fine, President (1988)

Thomas S. Kuhn, President-elect (1988)

David L. Hull, Past President (1988)

Patricia Smith Churchland (1988)
Ronald N. Giere (1989)
Joseph F. Hanna (1989)
Philip Kitcher (1988)

Noretta Koertge (1988) David B. Malament (1989) Deborah G. Mayo (1989) Elliott Sober (1988)

EXECUTIVE SECRETARY:

Peter D. Asquith

MADE AND PRINTED IN THE USA BY EDWARDS BROTHERS, INC., ANN ARBOR, MI

PHILOSOPHY OF SCIENCE is published quarterly by the Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, Michigan 48824. 1989 Subscription price \$45.00 U.S.A. (\$46.00 non-U.S.A.) per Volume. Single numbers \$12.00. 1989 Membership dues, which include subscription, \$40.00. Subscription inquiries should be directed to the Executive Secretary. Second-class postage paid at East Lansing, Michigan and at additional mailing offices. © 1989 by the Philosophy of Science Association.

CONTENTS*

ENCE, JANE ROLAND MARTIN	
METHODOLOGICAL SOLIPSISM AND EXPLANATION IN PSY- CHOLOGY, RAIMO TUOMELA	2
BAYESIANISM WITHOUT THE BLACK BOX, MARK KAPLAN	4
PARTITION-THEOREMS FOR CAUSAL DECISION THEORIES, JORDAN HOWARD SOBEL	7
IDENTIFIABLE COLLECTIONS OF COUNTABLE STRUCTURES, DANIEL N. OSHERSON AND SCOTT WEINSTEIN	ç
SELECTION TYPE THEORIES, LINDLEY DARDEN AND JOSEPH A. CAIN	10
REDUCTION, REPRESENTATION AND COMMENSURABILITY OF THEORIES, PETER SCHROEDER-HEISTER AND FRANK SCHAEFER	13
DISCUSSION: TRANSLATION, REDUCTION AND COMMENSURABILITY: A NOTE ON SCHROEDER-HEISTER AND SCHAEFER, DAVID PEARCE	1:
DISCUSSION: THE FPL MODEL AND PRACTICAL INFERENCE, B. C. Postow	10
BOOK REVIEWS	17
INSTRUCTIONS TO CONTRIBUTORS	1′

*The contents of PHILOSOPHY OF SCIENCE are utilized in compiling the following bibliographic sources: Arts and Humanities Citation Index; Biological Abstracts; Bulletin Signalétique 519; Current Contents/Arts and Humanities; Current Contents/Social and Behavioral Sciences; Current Index to Statistics; Humanities Index; Index to Book Reviews in the Humanities; Isis Critical Bibliography; Language & Language Behavior Abstracts; Mathematical Reviews; Philosopher's Index; Philosophie; Psychological Abstracts; Repertoire Bibliographique de la Philosophie; Social Sciences Citation Index; Sociological Abstracts.