

Philosophy Science



VOLUME 24, NUMBER 2

Published Quarterly by The Williams & Wilkins Company, Baltimore-2, Maryland

Copyright 1957, The Williams & Wilkins Company

April, 1957

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

CO-SPONSORED BY THE INSTITUTE FOR THE UNITY OF SCIENCE AND BY
SECTION L OF THE AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE

EDITORS

C. West Churchman, Case Institute of Technology, Cleveland 6, Ohio, Editor in Chief Gustav Bergmann, Department of Philosophy, Iowa State University, Iowa City, Iowa

ARTHUR BURKS, Department of Philosophy, University of Michigan, Ann Arbor, Michigan

HENRY MARGENAU, Department of Philosophy, Yale University, New Haven, Connecticut

ERNEST NAGEL, Department of Philosophy, Columbia University, New York, New York

CHESTER T. RUDDICK, Lake Erie College, Painesville, Ohio

BOOK REVIEWS:

I. S. MINAS, Ohio State University, Columbus, Ohio

GOVERNING BOARD OF THE ASSOCIATION:

HENRY MARGENAU, President (term expires Jan. 1, 1958) Lewis Zerby, Secretary-Treasurer (1961)

GUSTAV BERGMANN (1956)

F. S. C. NORTHROP (1956)

C. WEST CHURCHMAN (1958)

CHARLES MORRIS (1959)

ERNEST NAGEL (1958)

ARTHUR BURKS (1958)

PHILLIP FRANK (1958)

RUDOLPH CARNAP (1959)

C. J. Ducasse (1959)

EDITORIAL CONSULTANTS:

C. J. DUCASSE I. LANGMUIR ERIC T. BELL HERBERT FEIGL CHARLES W. MORRIS A. C. BENJAMIN OLIVER L. REISER R. A. FISHER L. VON BERTALANFFY D. Runes NIELS BOHR R. W. GERARD RUDOLF CARNAP I. B. S. HALDANE R. I. SEEGER M. S. VALLARTA W. Kohler W. J. CROZIER

PAUL WEISS F. Z. ZWICKY

Sustaining Institutions: Case Institute of Technology and State University of Iowa

Entered as second class matter November 25, 1953, at the Post Office, at Baltimore, Maryland, under the

Act of March 3, 1879

Made in United States of America

CONTENTS

The Empirical Basis and Theoretical Structure of
Psychology. Kenneth W. Spence 97
The Principle of Simplicity. Lewis S. Feuer - 109
Belief and Propositions. Arthur Pap 123
Explanation and Interpretation in History.
Charles Frankel 137
The Logic of Explanation in Malinowskian An-
thropology. Leon J. Goldstein 156
Aristotle's Treatment of Probability and Signs.
Edward H. Madden167
Can "Essence" Be a Scientific Term? Jack
Kaminsky 173
The Predictive Inference. Wesley C. Salmon 180
Discussion: Professor Quine, Pegasus, and Dr.
Cartwright. Herbert Hochberg 191
Discussion: Comments on Rollo Handy's "Per-
sonality Factors and Intellectual Production."
Bryan W. Robinson 204
Abstracts from the British Journal for the Philos-
ophy of Science, Vol. VII. Nos. 27 and 28 205

Copyright 1957, The Williams & Wilkins Company

". . . as man speaks, so he is."

CITHE Art of loquence

By THEODORE R. McKELDIN, LL.D.,

Governor of Maryland, 1951-

and JOHN C. KRANTZ, Jr., Ph.D., Sc.D.,

Professor of Pharmacology, University of Maryland School of Medicine

With a foreword by LOWELL THOMAS

Practical, tested rules by two popular public speakers show you how to:

Have something to say Choose clothes, words, gestures Conquer stage fright Judge your audience Speak over the radio
Appear at your best on TV
Be chairman or toastmaster
Get elected to office

Selected addresses by the authors give you sample speeches for all occasions: presentation, dedication, commencement, welcome, acceptance, etc., many inspirational addresses on a variety of topics, and addresses commemorating various significant events.

Whether you are a novice or an experienced speaker, you will find valuable information and many helpful hints in this well-written guide to effective speech.

255 pp. \$3.00

THE WILLIAMS & WILKINS COMPANY

Mt. Royal and Guilford Aves.

Baltimore 2, Maryland