



Philosophy *of* Science



VOLUME 17, NUMBER 4

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

October, 1950

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

FOUNDED BY

WILLIAM MARIAS MALISOFF

EDITOR, C. WEST CHURCHMAN

in collaboration with

The Governing Committee of the Philosophy of Science Association:

PHILIPP FRANK

GUSTAV BERGMANN

F. S. C. NORTHROP

ROBERT K. MERTON

SEBASTIAN LITTAUER

WALTER KAHOE

HENRY MARGENAU

Book Reviews

RUSSELL L. ACKOFF

FRANK E. HARTUNG

Advisory Board

ERIC T. BELL

R. S. LILLIE

A. C. BENJAMIN

W. P. MONTAGUE

NIELS BOHR

CHARLES W. MORRIS

RUDOLF CARNAP

JOSEPH NEEDHAM

W. J. CROZIER

HANS REICHENBACH

C. J. DUCASSE

OLIVER L. REISER

ALBERT EINSTEIN

O. K. RICE

HERBERT FEIGL

D. RUNES

R. A. FISHER

C. E. SEASHORE

R. W. GERARD

H. SHAPLEY

J. B. S. HALDANE

EDGAR A. SINGER

L. INFELD

DIRK J. STRUIK

EDA MALISOFF KAHANAS

M. S. VALLARTA

W. KOHLER

PAUL WEISS

I. LANGMUIR

N. WEINER

F. Z. ZWICKY

Sustaining Institutions: Wayne University and State University of Iowa

Entered as second class matter November 25, 1933, at the Post Office, at Baltimore, Maryland, under the Act of March 3, 1879.

Made in United States of America

Subscription price \$5.00 per volume. Single numbers, \$1.25

Philosophy of Science

VOL. 17

October, 1950

NO. 4



CONTENTS

Some Basic Methodological Difficulties in Social Science.	
Marion Levy - - - - -	287
On Definitions. Hugues Leblanc - - - - -	302
Comments on a Mechanistic Conception of Purposefulness. Richard Taylor- - - - -	310
Purposeful and Non-purposeful Behavior. A. Rosenblueth and N. Wiener - - - - -	318
Purposeful and Non-purposeful Behavior: A Rejoinder. Richard Taylor - - - - -	327
On Skepticism about Induction. Hao Wang - - - - -	333
Skepticism and the Future. Frederick L. Will - - - - -	336
The Concept "Disposition to Respond" in a Behavioral Semiotic. Jean Phillips - - - - -	347
Comment on the Paper by Jean Phillips. Charles Morris	354
Book Reviews - - - - -	356
Richard N. Bender's <i>A Philosophy of Life</i> . Arnold Isenberg - - - - -	356
Jacques de Marquette's <i>Introduction to Comparative Mysticism</i> . W. H. Sheldon - - - - -	356
Philip P. Wiener's <i>Evolution and the Founders of Pragmatism</i> . Horace Fries - - - - -	357
E. F. Caidin's <i>The Powers and Limits of Science</i> . A Philosophical Study. Morris Goran - - - - -	358
Karl Jaspers's <i>The Perennial Scope of Philosophy</i> . Cornelius L. Golightly - - - - -	358
Brynjolf Bjorset's <i>Man and This Mysterious Universe</i> . Helmut Hirsch - - - - -	359
I. M. Bochenski's <i>Europaische Philosophie der Gegenwart</i> . Frank E. Hartung - - - - -	360
Max Planck's <i>Scientific Autobiography and Other Papers</i> . (R.L.A.) - - - - -	361
M. Schlick's <i>Philosophy of Nature</i> . (R.L.A.) - - - - -	361
A. T. Mason's <i>Free Government in the Making: Readings in American Political Thought</i> . (R.L.A.) - - - - -	361
F. J. Teggart's <i>The Idea of Progress</i> . (C.W.C.) - - - - -	362
News and Notices - - - - -	363

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

FOUNDED BY

WILLIAM MARIAS MALISOFF

EDITOR, C. WEST CHURCHMAN

in collaboration with

The Governing Committee of the Philosophy of Science Association:

PHILIPP FRANK

GUSTAV BERGMANN

F. S. C. NORTHROP

ROBERT K. MERTON

SEBASTIAN LITTAUER

WALTER KAHOE

HENRY MARGENAU

Book Reviews

RUSSELL L. ACKOFF

FRANK E. HARTUNG

Advisory Board

ERIC T. BELL

R. S. LILLIE

A. C. BENJAMIN

W. P. MONTAGUE

NIELS BOHR

CHARLES W. MORRIS

RUDOLF CARNAP

JOSEPH NEEDHAM

W. J. CROZIER

HANS REICHENBACH

C. J. DUCASSE

OLIVER L. REISER

ALBERT EINSTEIN

O. K. RICE

HERBERT FEIGL

D. RUNES

R. A. FISHER

C. E. SEASHORE

R. W. GERARD

H. SHAPLEY

J. B. S. HALDANE

EDGAR A. SINGER

L. INFELD

DIRK J. STRUIK

EDA MALISOFF KAHANAS

M. S. VALLARTA

W. KOHLER

PAUL WEISS

I. LANGMUIR

N. WEINER

F. Z. ZWICKY

Sustaining Institutions: Wayne University and State University of Iowa