



Philosophy of Science



VOLUME 18, NUMBER 4

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

October, 1951

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

FOUNDED BY

WILLIAM MARIAS MALISOFF

EDITOR, C. WEST CHURCHMAN

in collaboration with

GUSTAV BERGMANN

HENRY MARGENAU

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. 18

October, 1951

no. 4



CONTENTS

Reality, Measurement, and the State of the System in Quantum Mechanics. Edwin C. Kemble -	273
Quantum Mechanics, Amplifying Processes, and Living Matter. Walter M. Elsasser - - -	300
Logical Positivism and Existentialism. Walter Cerf - - - - -	327
Supernaturalism or Naturalism: A Study in Mean- ing and Verifiability. Herbert Spiegelberg -	339
News and Notices - - - - -	369
Book Review	
Dorothy F. Cannon's <i>Explorer of the Human Brain: The Life of Santiago Ramon y Cajal.</i> E. H. Cragie - - - - -	370
Indexes - - - - -	371

Copyright 1951, The Williams & Wilkins Company

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

FOUNDED BY

WILLIAM MARIAS MALISOFF

EDITOR, C. WEST CHURCHMAN

in collaboration with

GUSTAV BERGMANN

HENRY MARGENAU

The Governing Committee of the Philosophy of Science Association:

PHILIPP FRANK

GUSTAV BERGMANN

F. S. C. NORTHRUP

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

Made in United States of America