

Philosophy of Science

**Volume 4
1937**

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



VOLUME 4, NUMBER I

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

January, 1937

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

The Editorial Board

WILLIAM MARIAS MALISOFF, *Editor*
New York, N. Y.

ERIC TEMPLE BELL	K. S. LASHLEY
ALBERT E. BLUMBERG	HENRY MARGENAU
RUDOLF CARNAP	H. J. MULLER
MORRIS RAPHAEL COHEN	L. SUSAN STEBBING
W. W. COOK	DIRK J. STRUIK
HERBERT FEIGL	ALEXANDER WEINSTEIN

The Advisory Board

EDGAR ALTENBURG	K. LANDSTEINER	A. E. RUARK
G. D. BIRKHOFF	I. LANGMUIR	GEORGE SARTON
MARCEL BOLL	RALPH LILLIE	C. E. SEASHORE
P. W. BRIDGMAN	A. O. LOVEJOY	H. SHAPLEY
K. T. COMPTON	W. MAYER	E. A. SINGER, JR.
E. U. CONDON	W. P. MONTAGUE	HENRY B. SMITH
W. J. CROZIER	T. H. MORGAN	W. F. G. SWANN
JOHN DEWEY	CHAS. W. MORRIS	R. C. TOLMAN
F. G. DONNAN	JOSEPH NEEDHAM	H. UREY
L. C. DUNN	J. VON NEUMANN	M. S. VALLARTA
ALBERT EINSTEIN	F. S. C. NORTHROP	PAUL WEISS
R. A. FISHER	H. A. OVERSTREET	GERALD WENDT
J. B. S. HALDANE	M. POLANYI	HERMANN WEYL
R. G. HARRISON	G. Y. RAINICH	A. N. WHITEHEAD
H. HENCKY	N. RASHEVSKY	N. WIENER
H. S. JENNINGS	H. REICHENBACH	E. WIGNER
K. KOFFKA	O. L. REISER	SEWALL WRIGHT
W. KÖHLER	O. K. RICE	F. ZWICKY

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

Philosophy of Science

VOLUME IV



BALTIMORE, MARYLAND

1937

Philosophy of Science

vol. 4 January, 1937 no. 1



CONTENTS

Testability and Meaning— <i>Continued.</i> Rudolf Carnap - - - - -	I
The Mechanical versus the Mathematical Conception of Nature. Philipp Frank - - -	41
The Lodestone and the Understanding of Matter in Seventeenth Century England. Gordon Keith Chalmers - - - - -	75
Schools of Psychology: A Complementary Pattern. Saul Rosenzweig - - - - -	96
Discussion (Correspondence) - - - - -	107
Reviews and Notes - - - - -	109
A New Budget of Paradoxes - - - - -	122
Foundations of Probability in Mathematical Logic. Theodore Hailperin - - - - -	125

Copyright 1937, The Williams & Wilkins Company

PHILOSOPHY OF SCIENCE

ORGAN OF THE PHILOSOPHY OF SCIENCE ASSOCIATION

The Editorial Board

WILLIAM MARIAS MALISOFF, *Editor*
New York, N. Y.

ERIC TEMPLE BELL	K. S. LASHLEY
ALBERT E. BLUMBERG	HENRY MARGENAU
RUDOLF CARNAP	H. J. MULLER
MORRIS RAPHAEL COHEN	L. SUSAN STEBBING
W. W. COOK	DIRK J. STRUIK
HERBERT FEIGL	ALEXANDER WEINSTEIN

The Advisory Board

EDGAR ALTENBURG	K. LANDSTEINER	A. E. RUARK
G. D. BIRKHOFF	I. LANGMUIR	GEORGE SARTON
MARCEL BOLL	RALPH LILLIE	C. E. SEASHORE
P. W. BRIDGMAN	A. O. LOVEJOY	H. SHAPLEY
K. T. COMPTON	W. MAYER	E. A. SINGER, JR.
E. U. CONDON	W. P. MONTAGUE	HENRY B. SMITH
W. J. CROZIER	T. H. MORGAN	W. F. G. SWANN
JOHN DEWEY	CHAS. W. MORRIS	R. C. TOLMAN
F. G. DONNAN	JOSEPH NEEDHAM	H. UREY
L. C. DUNN	J. VON NEUMANN	M. S. VALLARTA
ALBERT EINSTEIN	F. S. C. NORTHROP	PAUL WEISS
R. A. FISHER	H. A. OVERSTREET	GERALD WENDT
J. B. S. HALDANE	M. POLANYI	HERMANN WEYL
R. G. HARRISON	G. Y. RAINICH	A. N. WHITEHEAD
H. HENCKY	N. RASHEVSKY	N. WIENER
H. S. JENNINGS	H. REICHENBACH	E. WIGNER
K. KOFFKA	O. L. REISER	SEWALL WRIGHT
W. KÖHLER	O. K. RICE	F. ZWICKY
