

VOLUME 167

MAY-JUNE

1969

THE JOURNAL OF

Pharmacology

AND EXPERIMENTAL THERAPEUTICS

FOUNDED BY JOHN J. ABEL 1909

*Official Publication of The American Society for
Pharmacology and Experimental Therapeutics, Inc.*

EDITOR

MARION DE V. COTTEN

EDITORS FOR SPECIFIC FIELDS

J. RICHARD CROUT: *Autonomic Pharmacology*

BERNARD WEISS: *Behavioral Pharmacology*

BERT N. LA DU: *Biochemical Pharmacology*

HENRY H. SWAIN: *Cardiovascular Pharmacology*

GILBERT J. MANNERING: *Drug Metabolism and Disposition*

WILLIAM K. RIKER: *Neuropharmacology*

IRWIN M. WEINER: *Renal Pharmacology*

KENNETH P. DUBOIS: *Toxicology*

EDITORIAL ADVISORY BOARD

Julius Axelrod
Lloyd Beck
William O. Berndt
John R. Blinks
Michael J. Brody
Theodore M. Brody
Milton T. Bush
Edward J. Cafruny
Joseph Cochin
George A. Condouris
Theodore Cooper
E. E. Daniel
D. Joseph Demis

Peter E. Dresel
Ronald W. Estabrook
William W. Fleming
Thomas E. Gaffney
James R. Gillette
Jack Peter Green
Anthony J. Hance
Alfred Heller
R. T. Kelleher
S. Morris Kupchan
Victor G. Laties
Benedict R. Lucchesi
Bernard H. Marks

Steven E. Mayer
John A. Oates
Gabriel L. Plaa
Lincoln T. Potter
Frank G. Standaert
Elwood O. Titus
U. Trendelenburg
Andrew G. Wallace
Douglas R. Waud
Norman Weiner
Herbert Weissbach
Albert Weissman
Richard J. Wurtman

BOARD OF PUBLICATIONS TRUSTEES

WALTER F. RIKER, JR., *Chairman*; GEORGE H. ACHESON, JOHN J. BURNS, MARION DE V. COTTEN
BRIAN F. HOFFMAN, WALTER MODELL, PAUL TALALAY

EXECUTIVE OFFICER OF THE SOCIETY

ELLSWORTH B. COOK