

VOLUME 177

APRIL-JUNE

1971

# THE JOURNAL OF Pharmacology

Medical Library  
AMERICAN CANCER SOCIETY, INC.  
219 East 42nd Street  
New York 17, New York

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

*Analgesia and Drug Abuse*  
Joseph Cochin

*Autonomic Pharmacology*  
J. Richard Crout  
William W. Fleming

*Behavioral Pharmacology*  
Bernard Weiss

*Biochemical Pharmacology*  
Vincent G. Zannoni

*Cardiovascular Pharmacology*  
Henry H. Swain

*Cell Pharmacology*  
John R. Blinks

*Drug Metabolism and Disposition*  
Milton T. Bush  
Kenneth P. DuBois

*Neuroendocrine Pharmacology*  
Alfred Heller

*Neuropharmacology*  
William K. Riker

*Renal Pharmacology*  
Irwin M. Weiner

*Toxicology*  
Gabriel L. Plaa

## EDITORIAL ADVISORY BOARD

Julius Axelrod  
Lloyd Beck  
William O. Berndt  
Michael J. Brody  
Theodore M. Brody  
George A. Condouris  
Theodore Cooper  
E. E. Daniel  
D. Joseph Demis  
G. A. Deneau  
Peter E. Dresel  
Ronald W. Estabrook  
Thomas E. Gaffney  
William F. Ganong  
James R. Gillette

Jack Peter Green  
Anthony J. Hance  
Louis S. Harris  
David Jacobowitz  
R. T. Kelleher  
Ronald G. Kuntzman  
S. Morris Kupchan  
Victor G. Laties  
Bernard Levy  
Benedict R. Lucchesi  
Harriet M. Maling  
Bernard H. Marks  
Steven E. Mayer  
John A. Oates  
Lincoln T. Potter

Arnold Schwartz  
Charles B. Smith  
Frank G. Standaert  
C. D. Thron  
Elwood O. Titus  
U. Trendelenburg  
Joan Vernikos-  
Danellis  
Robert L. Volle  
Andrew G. Wallace  
Douglas R. Waud  
Norman Weiner  
Herbert Weissbach  
Albert Weissman  
Martin M. Winbury  
Richard J. Wurtman

## BOARD OF PUBLICATIONS TRUSTEES

EDWARD J. CAFRUNK, *Chairman*; MARION DE V. COTTEN, ROBERT F. FURCHGOTT, GEORGE H. MANDEL,  
WALTER MODELL, PAUL TALALAY, E. LEONG WAY, W. CLARKE WESCOE

## EXECUTIVE OFFICER OF THE SOCIETY

ELLSWORTH B. COOK

2068-737

JPETAB