

VOLUME 186

JULY-SEPTEMBER

1973

THE JOURNAL OF

Pharmacology

AND EXPERIMENTAL THERAPEUTICS

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

FOUNDED BY JOHN J. ABEL 1909

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

EDITOR

MARION DE V. COTTEN

ASSISTANT TO THE EDITOR

MARY ELLA LOGAN

EDITORS FOR SPECIFIC FIELDS

Analgesia and Drug Abuse

Joseph Cochin

Autonomic Pharmacology

William W. Fleming

Norman Weiner

Behavioral Pharmacology

Roger T. Kelleher

Biochemical Pharmacology

Vincent G. Zannoni

Cardiovascular Pharmacology

Bernard H. Marks

Cell Pharmacology

C. Paul Bianchi

Toshio Narahashi

Drug Metabolism and Disposition

Edward Bresnick

Milton T. Bush

Neuroendocrine Pharmacology

Lewis S. Seiden

Neuropharmacology

Frank G. Standaert

Renal Pharmacology

William O. Berndt

Toxicology

Kenneth P. DuBois

EDITORIAL ADVISORY BOARD

Leslie E. Bailey

John R. Blinks

Floyd E. Bloom

Michael J. Brody

Theodore M. Brody

George A. Condouris

Theodore Cooper

E. E. Daniel

G. A. Deneau

Peter E. Dresel

Ronald W. Estabrook

Werner E. Flacke

Thomas E. Gaffney

William F. Ganong

James R. Gillette

Jack Peter Green

Louis S. Harris

Alfred Heller

Philip C. Hoffmann

David Jacobowitz

Ronald G. Kuntzman

Bernard Levy

Benedict R. Lucchesi

Harriet M. Maling

D. E. McMillan

Joseph J. McPhillips

W. H. Morse

Arnold Schwartz

Robert E. Stitzel

C. D. Thorn

U. Trendelenburg

Lucas S. Van Orden III

Joan Vernikos-Danellis

Robert L. Volle

Andrew G. Wallace

Douglas R. Waud

Bernard Weiss

Albert Weissman

Martin M. Winbury

Richard J. Wurtman

BOARD OF PUBLICATIONS TRUSTEES

EDWARD J. CAFRUNY, *Chairman*; MARION DE V. COTTEN, KENNETH C. LEIBMAN, H. GEORGE MANDEL,
THOMAS H. MAREN, STEVEN E. MAYER, WALTER MODELL, E. LEONG WAY, W. CLARKE WESCOE

EXECUTIVE OFFICER OF THE SOCIETY

ELLSWORTH B. COOK

JPETAB