

THE JOURNAL
OF
PHARMACOLOGY
AND
EXPERIMENTAL THERAPEUTICS

EDITED BY

E. K. MARSHALL, JR.
Johns Hopkins University

AND

J. A. GUNN
University of Oxford

IN ASSOCIATION WITH

H. G. BARBOUR, Yale University	REID HUNT, Harvard University
J. H. BURN, Pharmacological Laboratory, Pharmaceutical Society of Great Britain, London	P. D. LAMSON, Vanderbilt University
J. T. CASH, University of Aberdeen	W. DEB. MACNIDER, University of North Carolina
A. J. CLARK, University of Edinburgh	C. R. MARSHALL, University of Aberdeen
H. H. DALE, London	E. MELLANBY, Sheffield University
W. J. DILLING, University of Liverpool	F. RANSOM London
C. W. EDMUNDS, University of Michigan	A. N. RICHARDS, University of Pennsylvania
S. FLEXNER Rockefeller Institute for Medical Research	TORALD SOLLMANN, Western Reserve University
P. J. HANZLIK, Leland Stanford Junior University	R. STOCKMAN, University of Glasgow
R. A. HATCHER, Cornell University Medical College	CARL VOEGTLIN, U. S. Public Health and Marine Hospital Service
V. E. HENDERSON, University of Toronto	G. B. WALLACE, University and Bellevue Hospital Medica College
A. D. HIRSCHFELDER, University of Minnesota	
SIR FREDERICK G. HOPKINS, University of Cambridge	

VOLUME XLVI
1932

BALTIMORE, MARYLAND

This One



RFU7-24P-U584