THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

EDITED BY
F. K. MARSHALL, JR.
Johns Hopkins University
AND
J. A. GUNN
University of Oxford

IN ASSOCIATION WITH

H. G. BARBOUR,
Yale University
J. H. BURN,
Pharmacological Laboratory, Pharmaceutical Society of Great Britain, London
J. T. CASH,
University of Aberdeen
A. J. CLARK,
University of Edinburgh
H. H. DALE,
London
W. J. DILLING,
University of Liverpool
C. W. EDMUNDS,
University of Michigan
S. FLEXNER
Rockefeller Institute for Medical Research
P. J. HANZLIK,
Leland Stanford Junior University
R. A. HATCHER,
Cornell University Medical College
V. E. HENDERSON,
University of Toronto
A. D. HIRSCHFELDER,
University of Minnesota
SIR FREDERICK G. HOPKINS,
University of Cambridge

REID HUNT,
Harvard University
P. D. LAMSON,
Vanderbilt University
W. DEB. MACNIDER,
University of North Carolina
C. R. MARSHALL,
University of Aberdeen
E. MELLANBY,
Sheffield University
F. RANSOM
London
A. N. RICHARDS,
University of Pennsylvania
TORALD SOLLMANN,
Western Reserve University
R. STOCKMAN,
University of Glasgow
CARL VEBTTLIN,
U. S. Public Health and Marine Hospital Service
G. B. WALLACE,
University and Bellevue Hospital Medical College

VOLUME XLVI
1932

BALTIMORE, MARYLAND