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
J. H. BURN,
Pharmaceutical 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. HIRSCHFIELDER,
University of Minnesota
SIR FREDERICK G. HOPKINS,
University of Cambridge

VOLUME L
1934

BALTIMORE, MARYLAND