

CORNELL UNIVERSITY MEDICAL COLLEGE
DEPARTMENT OF PHYSIOLOGY
1300 YORK AVENUE
NEW YORK, N. Y.

THE JOURNAL OF GENERAL PHYSIOLOGY

FOUNDED BY JACQUES LOEB

C. M. CONNELLY, *Editor*

JEAN BRACHET

Associate Editors:

FRANCIS D. CARLSON

DAVID R. GODDARD

ROGER M. HERRIOTT

COLIN MACLEOD

HERMAN M. KALCKAR

ROY FORSTER

W. D. McELROY

Editorial Board

ALFRED E. MIRSKY

R. H. ADRIAN

JOHN H. NORTHROP

VINCENT ALLFREY

W. J. V. OSTERHOUT

JOHN TYLER BONNER

A. K. SOLOMON



VOLUME 46 · EDITED IN COOPERATION WITH

THE SOCIETY OF GENERAL PHYSIOLOGISTS

AND REGARDED AS THE SOCIETY'S OFFICIAL ORGAN

THE ROCKEFELLER INSTITUTE PRESS · NEW YORK 1963