

# THE JOURNAL OF GENERAL PHYSIOLOGY

FOUNDED BY JACQUES LOEB

*Honorary Editors*

L. R. BLINKS                      WALLACE O. FENN†  
DETLEV W. BRONK                ALFRED E. MIRSKY  
JOHN H. NORTHROP

*Editor*

PAUL F. CRANEFIELD

*Editorial Board*

BERNARD C. ABBOTT            DAVID MAUZERALL  
VINCENT ALLFREY                L. J. MULLINS  
FRANCIS D. CARLSON            FLOYD RATLIFF  
C. M. CONNELLY                ASER ROTHSTEIN  
ROY P. FORSTER                STANLEY G. SCHULTZ  
PAUL HOROWICZ                A. K. SOLOMON  
T. HOSHIKO                      D. C. TOSTESON  
WILLIAM P. HURLBUT            ANNEMARIE WEBER  
VICTOR J. WILSON



VOLUME 58 • THE JOURNAL OF GENERAL PHYSIOLOGY IS  
THE OFFICIAL ORGAN OF THE SOCIETY OF GENERAL PHYSIOLOGISTS  
AND IS EDITED IN COOPERATION WITH THE SOCIETY  
DIANA C. BOSSE *Copyediting and Production*  
THE ROCKEFELLER UNIVERSITY PRESS • NEW YORK 1971

† Deceased 20 September 1971.