

THE JOURNAL OF General Physiology

FOUNDED BY JACQUES LOEB

Honorary Editors

L. R. BLINKS JOHN H. NORTHROP

Editor

PAUL F. CRANFIELD

Editorial Board

VINCENT ALLFREY	BERTIL HILLE	A. K. SOLOMON
CLAY M. ARMSTRONG	PHILIP A. KNAUF	CHARLES F. STEVENS
FRANCIS D. CARLSON	L. J. MULLINS	ROGER C. THOMAS
C. M. CONNELLY	JOHN C. PARKER	RICHARD W. TSIEN
ROBERT S. EISENBERG	CARL PFAFFMANN	ANNEMARIE WEBER
ARTHUR L. FINN	FLOYD RATLIFF	JENS OTTO WIETH
WILLIAM A. HAGINS	STANLEY G. SCHULTZ	VICTOR J. WILSON
S. HAGIWARA	ROBERT SHAPLEY	

THE JOURNAL OF GENERAL PHYSIOLOGY IS THE OFFICIAL ORGAN OF THE
SOCIETY OF GENERAL PHYSIOLOGISTS
AND IS EDITED IN COOPERATION WITH THE SOCIETY

VOLUME 71 · NUMBER 1 · JANUARY 1978

TIMOTHY WEBSTER *Copyediting and Production*

INFORMATION FOR SUBSCRIBERS *The Journal of General Physiology* is published monthly, and all subscriptions are on a full calendar year basis. The subscription price per year (2 volumes) is \$60 (postage surcharge Europe only, \$6 net).

Remittances should be made by draft or check on New York, or by postal money order, payable to *The Journal of General Physiology*, The Rockefeller University Press, Post Office Box 5108, Church Street Station, New York 10249. Inquiries about subscriptions, single copies, and back numbers of the *Journal* should be addressed to the Order Service of The Rockefeller University Press at 1230 York Avenue, New York 10021. Claims for nonreceipt of issues will be honored when received within 3 months of mailing for U.S.A. subscribers, 6 months for foreign subscribers.

Second-class postage paid at New York, N. Y., and at additional mailing offices. Copyright © 1978 by The Rockefeller University Press, 1230 York Avenue, New York, N. Y. 10021 *Made in the United States of America*