THE JOURNAL OF CELL BIOLOGY publishes reports of original observations on the behavior, structure, and function of cells and cell products. It is especially interested in bringing to the attention of its readers discoveries arising from the application of modern techniques. Manuscripts that attempt to correlate the findings of the biophysical and biochemical disciplines with physiological and morphological information are solicited. Comprehensive and timely review articles are also invited. The subscription price per year (four volumes) is $50.00 ($70.00 for 1970). Information regarding contributions and subscriptions is given in full on the inside back cover.

Editorial Board

LAWRENCE BOGORAD   IAN R. GIBBONS
DONALD D. BROWN    DAVID J. L. LUCK
JAMES E. DARNELL   MONTROSE J. MOSES
LARS ERNSTER       JEAN-PAUL REVEL
MARILYN G. FARQUHAR WALTHER STOECKENIUS
JOSEPH G. GALL     HEWSON SWIFT

RAYMOND B. GRIFFITHS, Executive Editor

Edited in cooperation with The American Society for Cell Biology

Published by The Rockefeller University Press

RUTH N. SCHULTZ Copyediting and Production

VOLUME 43 NUMBER 2 PART 1 OF 2 NOVEMBER 1969

Second-class postage paid at Baltimore, Maryland and at additional mailing offices. Printed monthly at Mount Royal and Guilford Avenues, Baltimore, Maryland 21202.

Copyright © 1969 by The Rockefeller University Press.

Made in the United States of America