CANCER RESEARCH

SIDNEY WEINHOUSE, Editor
MARGARET FOTI, Managing Editor
Editorial Assistants

TINA ANTONINI    SHARON BROPHY    LILLIAN JARMAN

Associate Editors

Creed W. Abell    Emmanuel Farber    Montague Lane    Marvin A. Schneiderman
Joseph C. Arcos    Alexander Fefer    Lloyd W. Law    Albert Segaloff
Renato Baserga    Gilbert H. Friedell    Gerald A. LePage    Emma Shelton
Joseph R. Bertino    Charlotte Friend    Robert Love    Michael B. Shimkin
Phyllis B. Blair    Harry V. Gelboin    Enrico Mihih    Hans O. Sjögren
R. K. Boutwell    Phil Gold    Dan H. Moore    Fred Snyder
Harvis Busch    Abraham Goldin    Charles A. Nichol    Sam Sorof
Bayard D. Clarkson    Leonard Hayflick    Alex B. Novikoff    Jesse L. Steinfeld
Maimon M. Cohen    Karl E. Hellström    Fred S. Phillips    Howard M. Temin
Eugene D. Day    Russell Hiff    G. Barry Pierce    Arthur C. Upton
Vittorio Defendi    Erich Hirschberg    Henry C. Pitot    George Weber
Kenneth B. DeOme    Robert B. Hurlbert    David P. Rall    I. Bernard Weinstein
Joseph A. DiPaolo    Robert F. Killman    Fred Rapp    John H. Weisburger
Leon Mchodowski    Werner H. Kirsten    Jay S. Roth    Charles E. Wenner
John L. Fahey    Saul Kit    R. Wayne Rundles    H. Guy Williams-ASHMAN

Marvin Kuschner    Alan C. Sartorelli    Gerald N. Wogan

Editorial Advisory Board Members

Samuel Abraham    Robert C. Gallo    Elizabeth H. Leduc    Katherine K. Sanford
M. Earl Bulis    Robert A. Good    Nathan Mantel    Gordon H. Sato
Frederick Becker    Maurice Green    Joseph Metes    Frank M. Schabel, Jr.
Paul Calabresi    Pietro M.ullino    Joseph L. Melnick    Edward A. Smuckler
Wallace H. Clark    Thomas C. Hall    Mortimer L. Mendelsohn    Osias Stutman
Roger Daoust    Hidesaburo Hanafusa    John B. Moloney    Walczak Szybalski
Clyde J. Dawe    Ronald B. Herberman    Philip O'B. Montgomery, Jr.    Charles W. Todd
Sheldon M. Epstein    Evan M. Hersh    Donald L. Morton    Benjamin L. Van Duuren
Philip Feigelson    Charles C. Irving    Herbert F. Oettgen    Eugene J. Van Scott
Emil Frai, III    Irving S. Johnson    Alan S. Rabson    Lee W. Wattenberg

Fred Rosen    Karl Stutman

Ernest Wynder

CANCER RESEARCH is sponsored by the American Association for Cancer Research, Inc.; the American Cancer Society, Inc.; the Jane Coffin Childs Memorial Fund for Medical Research; the National Cancer Institute, United States Public Health Service; the Elsa U. Pardee Foundation; and the Damon Runyon Memorial Fund for Cancer Research, Inc.

NOTICE TO MEMBERS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH

Officers for 1972-1973

President: EMMANUEL FARBER, Fels Research Institute, Temple University School of Medicine, Philadelphia, Pennsylvania 19140
Vice President: MICHAEL B. SHIMKIN, University of California at San Diego, School of Medicine, 1144 Silverado Street, La Jolla, California 92037.
Secretary-Treasurer: HUGH J. CREECH, Institute for Cancer Research, Fox Chase, Philadelphia, Pennsylvania 19111

The annual dues of active members of the American Association for Cancer Research include a subscription to the Journal CANCER RESEARCH. The regular annual subscription price to CANCER RESEARCH for members of the Association is $12.50 per annual volume. Payment of dues and changes of address of members of the Association should be sent promptly to Dr. Creech.

Papers submitted for publication and all other communications for the attention of the editor should be sent to Dr. Sidney Weinhouse, Editor, CANCER RESEARCH, Fels Research Institute, Temple University School of Medicine, Philadelphia, Pennsylvania 19140. Telephone: Area Code 215-221-4720.

NOTICE TO GENERAL SUBSCRIBERS

CANCER RESEARCH is published monthly, one volume per year, for Cancer Research, Inc., by The Williams & Wilkins Company, 428 E. Preston St., Baltimore, Maryland 21202. Subscriptions include the Proceedings of the American Association for Cancer Research issued in March of each year. Except for members of the American Association for Cancer Research, all subscriptions are payable in advance to the publisher of the Journal, The Williams & Wilkins Co., to which all business communications, remittances (in United States currency or its equivalent), and subscription orders should be sent. Non-members of the American Association for Cancer Research, Inc., may subscribe to the Journal CANCER RESEARCH at the rate of $50.00 per annual volume, including postage, beginning with the 1971 issues. When available, single copies will be sold for $7.00.

Notify the publisher of changes of address 60 days in advance, giving both the old and new addresses. Copies undeliverable because of address changes will be destroyed.

BACK ISSUES OF THE JOURNAL

Copies of back stock of the Journal CANCER RESEARCH for the two years preceding the current year may be ordered from The Williams & Wilkins Co., address above. All earlier issues may be obtained from Walter J. Johnson, Inc., 111 Fifth Ave., New York, New York 10003. Copies of Part 2 (The Cancer Chemotherapy Screening Data Supplements) may be obtained from the Cancer Chemotherapy National Service Center, Bethesda, Maryland 20014.

Second-class postage paid at Baltimore, Maryland and additional mailing offices
Copyright 1973 by Cancer Research, Inc.