

# THE JOURNAL OF Organic Chemistry

**EDITOR-IN-CHIEF: FREDERICK D. GREENE**

*Department of Chemistry, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139*

## SENIOR EDITORS

**Werner Herz**  
*Florida State University  
Tallahassee, Florida*

**William J. le Noble**  
*State University of New York  
at Stony Brook  
Stony Brook, New York*

**James A. Moore**  
*University of Delaware  
Newark, Delaware*

**Martin A. Schwartz**  
*Florida State University  
Tallahassee, Florida*

**ASSISTANT EDITOR: Theodora W. Greene**

## ADVISORY BOARD

Eugene C. Ashby  
Robert G. Bergman  
Gordon L. Bundy  
Charles P. Casey  
Robert M. Coates

Dwaine O. Cowan  
Samuel Danishefsky  
Peter B. Dervan  
Janos H. Fendler  
Tadamichi Fukunaga

Heinz W. Gschwend  
C. David Gutsche  
John E. McMurry  
John A. Montgomery  
Robert A. Moss

Albert Padwa  
William A. Pryor  
William H. Saunders, Jr.  
Martin F. Semmelhack  
K. Barry Sharpless

Milan R. Uskokovic  
Earle Van Heyning  
Steven M. Weinreb  
James D. White  
George M. Whitesides

## EX-OFFICIO MEMBER:

Walter S. Trahanovsky, *Iowa State University (Secretary-Treasurer of the Division of Organic Chemistry of the American Chemical Society)*

## Published by the AMERICAN CHEMICAL SOCIETY BOOKS AND JOURNALS DIVISION

D. H. Michael Bowen, *Director*

Journals Department: Charles R. Bertsch,  
Head; Marianne C. Brogan, Associate  
Head; Anne C. O'Melia, Assistant Edi-  
tor; Louis J. Micks, Jr., Staff Editor  
Marketing and Sales Department: Claud K.  
Robinson, Head

Production Department: Elmer M. Pusey,  
Jr., Head  
Research and Development Department:  
Seldon W. Terrant, Head

Advertising Office: Centcom, Ltd., 25 Sylvan  
Road South, Westport, Conn. 06880

© Copyright, 1981, by the American Chemical Society. Permission of the American Chemical Society is granted for libraries and other users to make reprographic copies for use beyond that permitted by Section 107 or 108 of the U.S. Copyright Law, provided that the copying organization pay the appropriate per-copy fee through the Copyright Clearance Center, Inc., 21 Congress St., Salem, Mass. 01970. Educational institutions are generally granted permission to copy upon application to the Copyright Administrator, Books and Journals Division at the ACS Washington address.

Published biweekly by the American Chemical Society at 20th and Northampton Sts., Easton, Pa. 18042. Second class postage paid at Washington, D.C., and at additional mailing offices.

## Editorial Information

**Instructions for authors** and copyright transfer form are printed in the first issue of each volume. Please conform to these instructions when submitting manuscripts.

**Manuscripts for publication** should be submitted to the Editor, Frederick D. Greene, at his Cambridge, Mass., address.

Correspondence regarding **accepted papers and proofs** should be directed to the Journals Department at the address below.

**Page charges** of \$25.00 per page may be paid for papers published in this journal. Payment does not affect acceptance or scheduling of papers.

**Bulk reprints or photocopies** of individual articles are available. For information write to Business Operations, Books and Journals Division, at the ACS Washington address.

The American Chemical Society and its Editors assume no responsibility for the statements and opinions advanced by contributors.

## Subscription and Business Information

**1981 subscription prices** printed or microfiche, including postage. Microfiche by air mail; printed by surface mail. Printed edition air mail or air freight rates available from Membership & Subscription Services at the address below. (For membership information, contact Office of Membership Development at the ACS Washington address.)

	U.S.	Foreign
Member	\$36.00	\$48.00
Nonmember	144.00	156.00
Supplementary material (available in microfiche only)	30.00	45.00

**New and renewal subscriptions** should be sent with payment to the Office of the Controller at the ACS Washington address. Subscriptions are available only on a calendar year basis.

**Printed edition single issue prices:** current year \$6.50; prior year \$8.00. **Back volume price:** \$181.00. Foreign postage additional.

**Phone orders** can be placed for printed, microfiche, and microfilm editions by calling the Books and Journals Division Sales Office

**toll free** at (800) 424-6747 from anywhere in the continental United States; Washington, D.C., area call (202) 872-8065. Phone orders can be charged to Visa or Master Charge accounts.

**Mail orders** should be sent to the ACS Washington address.

**Changes of address** must include both old and new addresses with ZIP code and a recent mailing label. Send all address changes to Membership & Subscription Services. Please allow 6 weeks for change to become effective.

**Claims for missing numbers** will not be allowed if loss was due to failure of notice of change of address to be received in the time specified; if claim is dated (a) North America: more than 90 days beyond issue date, (b) all other foreign: more than one year beyond issue date; or if the reason given is "missing from files". Hard copy claims are handled by Membership & Subscription Services.

**Microfilm and microfiche**—For inquiries about servicing of orders or microform product problems contact Microforms Program at the ACS Washington address, or call (202) 872-4554.

Inquiries about servicing of orders for printed editions of single issues or back volumes should be directed to Special Issues Sales at the ACS Washington address, or call (202) 872-4365.

**Supplementary material** is noted in the table of contents with a ■. It is available as photocopy (\$1.00 per page, plus \$1.50 for foreign postage) or as 24X microfiche (\$4.00, plus \$1.00 for foreign postage). See supplementary material notice at end of journal article for number of pages. Orders must state whether for photocopy or microfiche and give complete title of article, names of authors, journal, issue date, and page numbers. Prepayment is required and prices are subject to change. Order from Business Operations, Books and Journals Division, at the ACS Washington address. Supplementary material also appears in the microfilm edition.

American Chemical Society  
1155 16th St., N.W.  
Washington, D.C. 20036  
(202) 872-4600

**Journals Department**  
American Chemical Society  
P.O. Box 3330  
Columbus Ohio 43210  
(614) 421-6940, Ext. 3171  
TWX 810-482-1608

**Membership & Subscription Services**  
American Chemical Society  
P.O. Box 3337  
Columbus, Ohio 43210  
(614) 421-7230