

Macromolecules

EDITOR: FIELD H. WINSLOW

Bell Laboratories, Murray Hill, New Jersey 07974
(201) 582-5340

ASSOCIATE EDITORS

Frank A. Bovey
Bell Laboratories
Murray Hill, New Jersey 07974
(201) 582-6356

Robert W. Lenz
University of Massachusetts
Amherst, Massachusetts 01003
(413) 545-1375

Wayne L. Mattice
Louisiana State University
Baton Rouge, Louisiana 70803
(504) 388-1627

Walter H. Stockmayer
Dartmouth College
Hanover, New Hampshire 03755
(603) 646-2503

EDITORIAL ADVISORY BOARD

Burton C. Anderson
Edmund A. DiMarzio
Paul J. Flory
William W. Graessley

Sonja Krause
William J. MacKnight
Herman Mark
James E. Mark

Carl S. Marvel
Frank R. Mayo
Charles G. Overberger
Jacob F. Schaefer

Harold A. Scheraga
Mitchell A. Winnik
Bruno H. Zimm

Ex-officio: B. M. Culbertson

Macromolecules (ISSN 0024-9297) is published monthly by the American Chemical Society at 1155 16th Street, N.W., Washington, DC 20036. Second-class postage paid at Washington, DC, and additional mailing offices. POSTMASTER: Send address changes to Membership & Subscription Services, P.O. Box 3337, Columbus, OH 43210.

BOOKS AND JOURNALS DIVISION

D. H. Michael Bowen, Director

Journals Department: Charles R. Bertsch, Head; Marianne C. Brogan, Associate Head; Mary E. Scanlan, Assistant Manager; Marc H. Gubkin, Assistant 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, CN 06881.

© Copyright 1983 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, MA 01970. For reprint permission, please write to the Copyright Administrator, Books and Journals Division, at the ACS Washington address.

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, Field H. Winslow, at his Murray Hill address. Correspondence regarding **accepted papers and proofs** should be directed to the Journals Department at the address shown.

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 of individual articles are available. For information write to Distribution Office at the ACS Washington address.

The American Chemical Society and its Editors assume no responsibility for the statements and opinions advanced by contributors. Views expressed in the editorials are those of the author and do not necessarily represent the official position of the society.

Subscription and Business Information

1983 subscription prices, printed or microfiche, including postage. Microfiche by air mail; printed by surface mail. Subscriptions are available only on a calendar year basis. (For membership information, contact Office of Membership Development at the ACS Washington address.)

	U.S.	Foreign (surface)	Foreign (air freight)
Member	\$ 32.00	\$ 47.00	\$ 67.00
Nonmember	185.00	200.00	220.00
Supplementary material (in microfiche only)	10.00	14.00	

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

Rates quoted do not apply to nonmember subscribers in Japan, who must enter subscription orders with Maruzen Company Ltd., 3-10 Nihonbashi 2-chome, Chuo-ku, Tokyo 103, Japan. Tel: (03) 272-7211.

Printed edition single issue prices: current year \$16.00; prior year \$34.75. **Back volume price:** \$205.00. Foreign postage additional. Mail orders should be sent to Distribution Office at the ACS Washington address.

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 MasterCard accounts.

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.

Supplementary material is noted in the table of contents with a ■. It is available as photocopy (\$6.00 for up to 3 pages and \$1.50 per page for additional pages, plus \$2.00 for foreign postage) or as 24× microfiche (\$6.00, 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 Distribution Office at the ACS Washington address. Supplementary material also appears in the microfilm edition.

Journals Department
American Chemical Society
2540 Olentangy River Rd.
P.O. Box 3330
Columbus, Ohio 43210
(614) 421-3600 ext. 3171
TELEX 6842086

Membership & Subscription Services
American Chemical Society
2540 Olentangy River Rd.
P.O. Box 3337
Columbus, Ohio 43210
(614) 421-3776

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