Journal of Medicinal Chemistry

EDITOR

PHILIP S. PORTOGHESE

Department of Medicinal Chemistry, College of Pharmacy, University of Minnesota, Minnesota, Minnesota 55455

ASSOCIATE EDITORS

Mahmoud M. Abdel-Monem

Patrick E. Hanna

Herbert T. Nagasawa

John L. Neumeyer, Book Review Editor

EDITORIAL ADVISORY BOARD

Arthur Cammarata Joseph G. Cannon Ralph E. Christoffersen Corwin Hansch David W. Henry Carl Kaiser
Daniel Lednicer
Henry G. Mautner
Robert A. Maxwell
Johannes Meienhofer

Andre Rosowsky Alan C. Sartorelli Robert A. Scherrer Solomon H. Snyder Monroe E. Wall

Published by the

AMERICAN CHEMICAL SOCIETY

BOOKS AND JOURNALS DIVISION

D. H. Michael Bowen, Director; Marjorie Laflin, Assistant to the Director

Editorial Department: Charles R. Bertsch, Head; Marianne C. Brogan, Associate Head; Deborah K. Miller, Assistant Editor

Magazine and Production Department: Bacil Guiley, Head

Research and Development Department: Seldon W. Terrant, Head

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

© Copyright, 1977, by the American Chemical Society. No part of this publication may be reproduced in any form without permission in writing from the American Chemical Society.

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

Editorial Information

Instructions for authors 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, Philip S. Portoghese, at his Minneapolis address.

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

Page charges of \$60.00 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. Requests for permission to reprint should be directed to Permissions, 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

1977 subscription rates—including surface postage:

	Do- mestic	PUAS	Canada, fo re ign
Member	\$15.00	\$20.00	\$20.00
Nonmember	60.00	65.00	65.50
Supplemen-	6.00	8.00	9.00
tary materials			

Air mail and air freight rates are available from Membership & Subscription Services, at the address below.

New and renewal subscriptions should be sent with payment to the Office of the Controller, at 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 1 year beyond issue date; or if the reason given is "missing from files". Hard copy claims are handled by Membership & Subscription Services.

Microfiche subscriptions are available at the same rates but are mailed first class to U.S. subscribers, air mail to the rest of the world. Direct all inquiries to Special Issues Sales, at the ACS Washington address, or call (202) 872-4554.

Single issues in hard copy and/or microfiche are available from Special Issues Sales, at the ACS Washington address. Current year \$6.50. Back issue rates available from Special Issues Sales. Back volumes are available in hard copy and/or microform. Write to Special Issues Sales, at the ACS Washington address, for further information. Microfilm editions of ACS periodical publications are available from volume 1 to the present. For further information, contact Special Issues Sales, at the ACS Washington address.

Supplementary material mentioned in the journal must be ordered directly from Business Operations, Books and Journals Division, at the ACS Washington address.

	U.S.	PUAS, Canada	Other Foreign
Microfiche Photocopy	\$2.50	\$3.00	\$3.50
1-7 pages 8-20 pages	4.00 5.00	5.50 6.50	7.00 8.00

Orders over 20 pages are available only on microfiche, 4 × 6 in., 24×, negative, silver halide. Orders must state photocopy or microfiche if both are available. Full bibliographic citation including names of all authors and prepayment are required. Prices are subject to change.