LEGAL NOTICE

U.S. POSTAL SERVICE STATEMENT OF OWNERSHIP, MANAGEMENT, AND CIRCULATION

(Required by 39 U.S.C. 3685)

- 1. Publication Title: Biochemistry
- 2. Publication No.: 0006-2960
- 3. Filing Date: October 2, 1995
- Issue Frequency: Weekly except for the first week in January
- 5. No. of Issues Published Annually: 51
- 6. Annual Subscription Price: \$115.00
- Complete Mailing Address of Known Office of Publication: 1155 16th Street, N.W. Washington, D.C. 20036
- Complete Mailing Address of Headquarters of General Business Office of Publisher: 1155 16th Street, N.W. Washington, D.C. 20036
- 9A. Publisher: American Chemical Society 1155 16th Street, N.W. Washington, D.C. 20036
- 9B. Editor: Dr. Gordon G. Hammes Duke University Medical Center P.O. Box 3673 081 Yellow Zone, Duke South Durham, NC 27710
- Owner: American Chemical Society 1155 16th Street, N.W. Washington, D.C. 20036
- 11. There are no known bondholders, mortgagees, or other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities.
- 12. The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes have not changed during preceding 12 months.
- 13. Publication Name: Biochemistry
- Issue Date for Circulation Data Below: October 3, 1995
- 15. Extent and Nature of Circulation:

		Average No. Copies Each Issue During Preceding 12 Months	Actual No. Copies of Single Issue Published Nearest to Filing Date			
A.	Total No. Copies	6,171	5,941			
B.	Paid and/or Requested Circulation					
	(1) Sales Through Dealers and Carriers, Street Vendors, and Counter Sales	_	_			
	(2) Paid or Requested Mail Subscriptions	4,841	4,769			
C.	Total Paid and/or Requested Circulation	4,841	4,769			
D.	Free Distribution by Mail	428	227			
E.	Free Distribution Outside the Mail	-				
F.	Total Free Distribution	428	227			
G.	Total Distribution	5,269	4,996			
Н.	Copies Not Distributed					
	(1) Office Use, Leftovers, Spoiled	902	945			
	(2) Return from News Agents	_	_			
1.	Total	6,171	5,941			
	rcent Paid and/or quested Circulation	91.9%	95.5%			

I certify that all information furnished on this form is true and complete.

Charles R. Bertsch Director of Journal Publishing Operations

Biochemistry

Biochemistry (ISSN 0006-2960) is published weekly except for the first week in January by the American Chemical Society at 1155 16th St., N.W., Washington, DC 20036. Second-class postage paid at Washington, DC, and additional mailing offices. POSTMASTER: Send address changes to Biochemistry, Member & Subscriber Services, P.O. Box 3337, Columbus, OH 43210. Canadian GST Reg. No. 127571347. Printed in the USA.

American Chemical Society

1155 16th St., N.W. Washington, DC 20036 (202) 872-4600

TDD (202) 872-8733; FAX (202) 872-4615

Member & Subscriber Services

American Chemical Society P.O. Box 3337, Columbus, OH 43210 (614) 447-3776; (800) 333-9511

Journal Publishing Operations

American Chemical Society 2540 Olentangy River Road P.O. Box 3330, Columbus, OH 43210 (614) 447-3600, Ext 3171 TELEX 6842086; FAX (614) 447-3745

© Copyright 1995 American Chemical Society. Copyright permission: Reprographic copying beyond that permitted by Section 107 or 108 of the U.S. Copyright Act is allowed, provided that the appropriate per-copy fee is paid directly to the Copyright Clearance Center (CCC), 222 Rosewood Dr., Danvers, MA 01923, USA. Anyone may excerpt up to 200 words per article for noncommercial, scholarly purposes with appropriate credit to the source. Direct other reprint permission requests to ACS Copyright Office, Publications Division, 1155 Sixteenth St., N.W., Washington, DC 20036. For quotes and information on ordering bulk reprints, call (202) 872-4539 or write to Product Services Department at the ACS Washington address.

The paper used in this publication meets the minimum requirements of American National Standard for Information Sciences—Permanence of Paper for Printed Library Materials, ANSI Z39.48-1984.

Editorial Information

Instructions to authors and copyright status 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, Gordon G. Hammes, Duke University Medical Center, Box 3673, 081 Yellow Zone, Duke South, Durham, NC 27710. Correspondence regarding accepted papers and proofs should be directed to the Journal Publishing Operations at the address above. Page charges of \$30.00 per page may be paid for papers published in this journal. Payment does not affect acceptance or scheduling of papers.

The American Chemical Society and its Editors

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

Registered names and trademarks, etc., used in this publication, even without specific indication thereof, are not to be considered unprotected by

A nine character code that is unique to each article is assigned during the editorial production of the manuscript and appears at the end of the published paper. It serves as a link between the documents in the printed product and the electronic products (CJACS Plus Images and journals on CD-Rom) and facilitates retrieval of the document in electronic form.

1995 Subscription and Ordering Information

Members may share/donate their personal subscriptions with/to libraries and the like but only after 5 years from publication.

New and renewal subscriptions should be sent with payment to American Chemical Society, Department L-0011, Columbus, OH 43268-0011.

Department L-0011, Columbus, OH 43268-0011.
Microforms and Back Issue orders should be sent to Microforms & Back Issues Office at the ACS Washington address.

Publications Division

Robert H. Marks, Director

Journal Publishing Operations: Charles R. Bertsch, Director

Editorial Office: Mary E. Scanlan, Manager; Kathleen E. Duffy, Journals Editing Manager; Deborah K. Miller, Senior Associate Editor; Daniel R. Kelsey, Associate Editor; Barbara I. Taylor and Beth A. Welch, Assistant Editors; Sean M. Lammers and Ann L. Wandtke, Staff Editors

Advertising Office: Centcom, Ltd., 1599 Post Road East, P.O. Box 231, Westport, CT 06881

	U.S.	Canada, Mexico	Europe*	All Other Countries		
Printed						
Members-1 yr	\$ 115	\$ 224	\$ 384	\$ 468		
Nonmembers	\$1517	\$1626	\$1786	\$1870		
Microfiche						
Members-1 yr	\$ 115	\$ 115	\$ 163	\$ 163		
Nonmembers	\$1517	\$1517	\$1565	\$1565		
Supporting	\$ 50	\$ 80	\$ 80	\$ 80		
information on microfiche						
* Air service included.						

Nonmember subscribers in Japan must enter subscription orders with Maruzen Company Ltd., 3-10 Nihonbashi 2-chome, Chuo-ku, Tokyo 103, Japan. Tel: (03) 272-7211.

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 180 days beyond issue date. Claims are handled by Member & Subscriber Services.

Supporting Information is noted in the table of contents with a "box". It is available as photocopy (\$12.00 for up to 3 pages and \$1.50 per page for additional pages, plus \$2.00 for foreign postage) or as 24× microfiche (\$12.00, plus \$1.00 for foreign postage). Canadian residents should add 7% GST. See Supporting Information notice at the end of journal article for number of pages. Orders must give complete title of article, names of authors, journal, issue date, and page numbers. Prepayment is required and prices are subject to change. In 1995, electronic Supporting Information is available to current journal subscribers via the Internet using either gopher or World Wide Web protocols. Most often, the material is available as PDF files, which may be viewed using Adobe's Acrobat Reader, a program which is freely available on the Internet. However, some articles may include computer programs, PostScript files, word processing files, experimental data in a standard format (e.g., crystallographic parameters in CIF format), etc. In order to download the Supporting Information, users will need to enter their journal subscriber number, which can be found on the mailing label. Detailed instructions for using this service can be found on the Internet. With gopher, con-nect to pubs.acs.org, go to the "ACS Publications" selection, then to the "Supporting Information" selection. Read the README file in this directory for detailed instructions. When using a WWW client (e.g., Mosaic, Netscape), connect to the URL "http://pubs.acs.org/", select the "Supporting Info. for Journals" link. For further information on electronic access, send electronic mail to gopher@acsinfo.acs.org or phone (202) 872-4434. For information on microforms, contact Microforms & Back Issues at the ACS Washington address or phone (202) 872-4554. Supporting Information except structure factors also appears in the microfiche edition.

Cover based on the structure of myosin subfragment-1, courtesy of A. Steinberg and I. Rayment.

Biochemistry

EDITOR: GORDON G. HAMMES

Duke University Medical Center, Box 3673, 081 Yellow Zone, Duke South, Durham, North Carolina 27710 [Phone (919) 681-3250; FAX (919) 681-8344 or (800) 334-0892]

ASSOCIATE EDITORS:

Mary D. Barkley, Louisiana State University Marc G. Caron, Duke University Medical Center Earl W. Davie, University of Washington Perry A. Frey, University of Wisconsin

Arno L. Greenleaf, Duke University Medical Center

William W. Parson, University of Washington James F. Riordan, Harvard Medical School Joseph J. Villafranca, Bristol-Myers Squibb Leslie Wilson, University of California, Santa Barbara

EDITORIAL ADVISORY BOARD

ROBERT H. ABELES Brandeis University DAVID S. AULD

Harvard Medical School

JOSEPH AVRUCH

Massachusetts General Hospital

GERALD T. BABCOCK Michigan State University

BARBARA A. BAIRD Cornell University ROBERT L. BALDWIN Stanford University ROBERT M. BELL

Duke University Medical Center

STEPHEN J. BENKOVIC

The Pennsylvania State University

E. MORTON BRADBURY University of California, Davis

MICHAEL J. CHAMBERLIN

University of California, Berkeley

JOSEPH E. COLEMAN Yale University MINOR J. COON

The University of Michigan

DAVID R. DAVIES

National Institutes of Health

WILLIAM F. DEGRADO

Du Pont Merck Pharmaceutical Company

JACK E. DIXON

The University of Michigan RUSSELL F. DOOLITTLE

University of California, San Diego

RAYMOND A. DWEK University of Oxford MAURICE R. EFTINK University of Mississippi

Juli Feigon

University of California, Los Angeles

ALAN R. FERSHT

Cambridge University Chemical Laboratory

IRWIN FRIDOVICH

Duke University Medical Center

ERROL C. FRIEDBERG

University of Texas Southwestern

Medical Center CARL FRIEDEN

Washington University School of Medicine

MARTIN GELLERT

National Institutes of Health

LILA M. GIERASCH

University of Massachusetts IRVING H. GOLDBERG

Harvard Medical School

Jack Gorski

University of Wisconsin-Madison

ANGELA M. GRONENBORN National Institutes of Health

HEIDI E. HAMM University of Illinois ROBERT HASELKORN University of Chicago

CLAUDE HÉLÈNE

Museum National d'Histoire Naturelle,

Paris

JOHN W. B. HERSHEY

University of California, Davis

GEORGE P. HESS Cornell University STEFAN HIGHSMITH University of the Pacific

PETER C. HINKLE Cornell University DICK HOEKSTRA

University of Groningen

BARRY HONIG

Columbia University

TONY E. HUGLI

Scripps Clinic & Research Foundation

LINDA JEN-JACOBSEN University of Pittsburgh Robert L. Jernigan

National Institutes of Health

Hans Jörnvall Karolinska Institutet NEVILLE R. KALLENBACH New York University

CLAUDE B. KLEE

National Institutes of Health

JUDITH P. KLINMAN

University of California, Berkeley

ROBERT J. LEFKOWITZ

Duke University Medical Center

TOMAS LINDAHL ICRF Clare Hall Laboratories

PHILIP W. MAJERUS

Washington University School of Medicine

ROWENA G. MATTHEWS The University of Michigan

THOMAS J. McIntosh

Duke University Medical Center

CHRISTOPHER MILLER Brandeis University PAUL L. MODRICH

Duke University Medical Center

LUCIANO MUELLER Bristol-Myers Squibb GARY L. NELSESTUEN University of Minnesota BERT W. O'MALLEY

Baylor College of Medicine

ARTHUR PARDI University of Colorado, Boulder

IVAN RAYMENT

University of Wisconsin M. THOMAS RECORD, JR. University of Wisconsin

GARY RUDNICK

Yale University School of Medicine

DAVID W. RUSSELL

University of Texas Southwestern

Medical Center J. EVAN SADLER

Washington University School of Medicine

HAROLD A. SCHERAGA Cornell University PAUL R. SCHIMMEL

Massachusetts Institute of Technology

JOACHIM SEELIG University of Basel G. GRAHAM SHIPLEY

Boston University School of Medicine

Antero G. So University of Miami LINDA L. SPREMULLI

University of North Carolina, Chapel Hill JOANNE STUBBE

Massachusetts Institute of Technology

IGNACIO TINOCO, JR.

University of California, Berkeley

OLKE C. UHLENBECK University of Colorado, Boulder

BERT L. VALLEE Harvard Medical School

JANE M. VANDERKOOI University of Pennsylvania

TERESA S.-F. WANG Stanford University PETER E. WRIGHT

Scripps Clinic & Research Foundation

CHENG-WEN WU Academia Sinica