

The American Journal of CLINICAL NUTRITION

Official Publication of the American Society for Clinical Nutrition, Inc.

THE CLINICAL DIVISION OF THE AMERICAN INSTITUTE OF NUTRITION

EDITOR-IN-CHIEF

ALBERT I. MENDELOFF, M.D., *Baltimore, MD*

ASSOCIATE EDITORS

HAROLD E. HARRISON, M.D., *Baltimore, MD*

WALTER MERTZ, M.D., *Beltsville, MD*

SIMEON MARGOLIS, M.D., PH.D., *Baltimore, MD*

ASSISTANT EDITORS

THORSTEN A. FJELLSTEDT, PH.D., *Bethesda, MD*

VICTOR P. FRATTALI, PH.D., *Washington, DC*

VAN S. HUBBARD, M.D., PH.D., *Bethesda, MD*

G. M. KNIGHT, M.M., *Bethesda, MD*

DAN L. LONGO, M.D., *Bethesda, MD*

SUSAN M. PILCH, PH.D., *Bethesda, MD*

EDITORIAL BOARD

1980-1983

EDWARD S. HORTON, M.D., *Burlington, VT*

CARLOS L. KRUMDIECK, M.D., PH.D., *Birmingham, AL*

RALPH A. NELSON, M.D., PH.D., *Urbana, IL*

DANIEL RUDMAN, M.D., *Atlanta, GA*

ANN C. SULLIVAN, PH.D., *Nutley, NJ*

1981-1984

ROBERT M. EDELMAN, M.D., *Bethesda, MD*

CHARLES J. GLUECK, M.D., *Cincinnati, OH*

JEAN A. T. PENNINGTON, PH.D., *Washington, DC*

ALEX F. ROCHE, M.D., PH.D., D.S.C., *Yellow Springs, OH*

ETHAN A. H. SIMS, M.D., *Burlington, VT*

1982-1985

A. E. HARPER, PH.D., *Madison, WI*

WILLIAM C. MACLEAN, JR., M.D., *Baltimore, MD*

ROBERT B. MCGANDY, M.D., *Boston, MA*

ERNEST URBAN, M.B.B.S., *San Antonio, TX*

DOUGLAS W. WILMORE, M.D., *Boston, MA*

CORRESPONDING EDITORS

GUILLERMO ARROYAVE, PH.D., *Latin American and Caribbean*

CLAUS LEITZMANN, PH.D., *Germany*

G. GOPALAN, M.D., *India and Pakistan*

KARL GUGGENHEIM, M.D., *Israel*

A. HENDRIKX, M.D., *The Low Countries*

W. P. T. JAMES, M.D., *United Kingdom*

MELVIN LEE, PH.D., *Canada*

A. OMOLOLU, M.D., *African Continent*

SERENE VIMOKESANT, PH.D., *Southeast Asia*

THE AMERICAN JOURNAL OF CLINICAL NUTRITION. Official Journal of The American Society for Clinical Nutrition, Inc.

Published monthly, one volume per year, by The American Society for Clinical Nutrition, Inc. **Editorial Office:** A. I. Mendeloff, M.D., American Society for Clinical Nutrition, 9650 Rockville Pike, Bethesda, MD 20814 USA. Phone: (301) 530-7038. **Send manuscripts and books for review to:** American Journal of Clinical Nutrition, Attention Editor, 9650 Rockville Pike, Bethesda, MD 20814 USA. Phone: (301) 530-7110. **Business Offices:** The American Journal of Clinical Nutrition, 9650 Rockville Pike, Bethesda, MD 20814 USA. **Advertising Representative and Redactory Services:** The Williams & Wilkins Company, 428 East Preston Street, Baltimore, MD 21202 USA. Attention: Roland E. Keve. Printed in Baltimore, Maryland at the Waverly Press, Inc. **Subscriptions:** Address correspondence regarding *subscriptions and changes of address* to: THE AMERICAN JOURNAL OF CLINICAL NUTRITION, 9650 Rockville Pike, Bethesda, Maryland 20814 USA. Please include your zip code and, for change of address, a copy of old address label. **Subscription Rates:** Members of The American Society for Clinical Nutrition and of the American Institute of Nutrition \$25.00 per year; nonmember individual subscriptions \$45.00 per year; institutional rate (multiple readership) \$60.00 per year; student rate \$17.50 per year with certification. Mexico and Canada add \$5.00; foreign subscribers add \$5.00. Single copy price is \$8.00. All orders are payable in advance.

Second class postage paid at Washington, DC and at additional mailing offices. ISSN 0002-9165. Printed in USA. © Copyright 1982 by The American Society for Clinical Nutrition, Inc., 9650 Rockville Pike, Bethesda, MD 20814 USA. All rights reserved. The contents of this publication may not be reproduced in whole or in part without consent of copyright owner. When an abstract appears at the beginning of an article, however, it may be reproduced in any form, or translated, without specific permission, provided the original citation is included.



Statements made and opinions expressed in Letters to the Editor, Editorials, Presidential Addresses, Book Reviews and certain other special articles appearing in this Journal represent the views of the authors and do not necessarily reflect the position of the Journal or the American Society for Clinical Nutrition.