

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

THEODORE B. VAN ITALLIE, M.D., *New York, NY*

ASSOCIATE EDITORS

ALLAN L. FORBES, M.D., *Washington, DC*
MAURICE E. SHILS, M.D., SC.D., *New York, NY*
R. BRADFIELD, J.D., PH.D., *Berkeley, CA, (Epidemiology)*

ASSISTANT EDITORS

RICHARD G. ALLISON, PH.D., *Bethesda, MD*
GILMAN D. GRAVE, M.D., *Bethesda, MD*
GILDA KNIGHT, M.M., *Bethesda, MD*

EDITORIAL BOARD

1978-1981

THEODORE M. BAYLESS, M.D., *Baltimore, MD*
JOHN G. BIERI, PH.D., *Bethesda, MD*
SAMUEL J. FOMON, M.D., *Iowa City, IA*
MICHAEL C. LATHAM, M.D., *Ithaca, NY*
DAPHNE A. ROE, M.D., *Ithaca, NY*

1979-1982

BRUCE R. BISTRAN, M.D., PH.D., *Boston, MA*
C. E. BUTTERWORTH, JR., M.D., *Birmingham, AL*
JEAN-PIERRE HABICHT, M.D., PH.D., *Ithaca, NY*
KENNETH M. HAMBIDGE, M.R.C.P. ED., *Denver, CO*
HERSCHEL SIDRANSKY, M.D., *Washington, DC*

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*

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:** T. B. Van Itallie, M.D., American Society for Clinical Nutrition, 9650 Rockville Pike, Bethesda, MD 20014 USA. Phone: (301) 530-7038. **Send manuscripts and books for review to:** American Journal of Clinical Nutrition, Attention Editor; 9650 Rockville Pike, Bethesda, MD 20014 USA. Phone: (301) 530-7110. **Business Offices:** The American Journal of Clinical Nutrition, 9650 Rockville Pike, Bethesda, MD 20014 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 20014. Please include your zip code and, for change of address, a copy of old address label. **Subscription Rates:** Members of The American Institute of Nutrition and The American Society for Clinical Nutrition, Inc. \$15.00 per year; Nonmembers \$40.00 per year (Canada and Mexico \$37.00; Foreign \$45.00); Institutional Rate \$55.00 per year; Student Rate \$17.50 per year with certification payable in advance. Single copy price, \$8.00

Second class postage paid at Washington, D.C. and at additional mailing offices. ISSN 0002-9165. Printed in U.S.A. © Copyright 1981 by The American Society for Clinical Nutrition, Inc., 9650 Rockville Pike, Bethesda, Maryland 20014. 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.

