



CHEST

USPS 157-860

Alfred Soffer, MD, FCCP, Editor-in-Chief

*Deputy Editors: Bruce H. Brundage, MD, FCCP, Chicago
David W. Cugell, MD, FCCP, Chicago*

EDITORIAL BOARD

Walter L. Barker, MD, FCCP, Chicago
Arnold S. Bayer, MD, FCCP, Torrance, California
Roger C. Bone, MD, FCCP, Chicago
Charles A. Boucher, MD, FCCP, Boston
Richard E. Brashear, MD, FCCP, Indianapolis
Lawrence H. Cohn, MD, FCCP, Boston
Marvin I. Dunn, MD, FCCP, Kansas City, Kansas
Victor F. Froelicher, MD, FCCP, Long Beach, CA
Julius M. Gardin, MD, FCCP, Irvine, California
Robert J. Ginsberg, MD, FCCP, Toronto, Canada
Jeffrey Glassroth, MD, FCCP, Chicago
Leonard D. Hudson, MD, FCCP, Seattle
Gary W. Hunninghake, MD, FCCP, Iowa City
E. Garner King, MD, FCCP, Edmonton, Canada
Richard W. Light, MD, FCCP, Long Beach, CA
Robert G. Loudon, MD, FCCP, Cincinnati
John M. Luce, MD, FCCP, San Francisco
Richard A. Matthay, MD, FCCP, New Haven
Jerome H. Modell, MD, FCCP, Gainesville, Florida
David J. Pierson, MD, FCCP, Seattle
Thomas A. Raffin, MD, FCCP, Stanford
C. Venkata S. Ram, MD, FCCP, Dallas
Carl E. Ravin, MD, FCCP, Durham
Charis S. Roussos, MD, FCCP, Montreal, Canada
Steven A. Sahn, MD, FCCP, Charleston, South Carolina
Irwin J. Schatz, MD, FCCP, Honolulu
Charles H. Scoggin, MD, FCCP, Denver
Om P. Sharma, MD, FCCP, Los Angeles
William J. Sibbald, MD, FCCP, London, Canada
Hans Weill, MD, FCCP, New Orleans

International Editors

Jose Luis Barros, MD, FCCP, Spain
Gerald L. Baum, MD, FCCP, Israel
Antonio Blasi, MD, FCCP, Italy
Israel Bruderman, MD, FCCP, Israel
Teresita S. De Guia, MD, FCCP, Philippines
Gunter Fruhmann, MD, FCCP, West Germany
Henry W. Herzog, MD, FCCP, Switzerland
Hiomi Homma, MD, FCCP, Japan
Tadashi Inoue, MD, FCCP, Japan
Ruben J. Jaen, MD, FCCP, Venezuela
Paul Keszler, MD, FCCP, Hungary
Jose Kuthy-Porter, MD, FCCP, Mexico
Stuart C. Lennox, MD, FCCP, England
Michael C. Pain, MD, FCCP, Australia
Claude Perret, MD, FCCP, Switzerland
W. Laurence Simpson, MD, FCCP, Australia
Jesse P. Teixeira, MD, FCCP, Brazil
Takashi Teramatsu, MD, FCCP, Japan
Cyr Voisin, MD, FCCP, France
E. J. Zerbini, MD, FCCP, Brazil

Honorary Editor

Chuzo Nagaishi, MD, FCCP, Japan
Asia-Pacific International Editor

Executive Office

911 Busse Highway, Park Ridge, Illinois 60068-2375, U.S.A.
Telephone 312-898-2200
Copyright 1988, by the American College of Chest Physicians.
Published monthly.
Second Class Postage Paid at Park Ridge, Illinois
and at additional mailing offices. Return and forwarding
postage guaranteed.
Annual Subscriptions: Personal—U.S. and Puerto Rico,
\$72.00. Other Countries \$84.00. Institutional—U.S. and Puerto
Rico, \$84.00. Other Countries, \$114.00. Rates effective July 1,
1988.
Special rates for residents, interns, medical, nursing or
respiratory therapy students, physicians in training: U.S.
and Puerto Rico, \$42.00; Other Countries, \$69.00.
Single copies U.S. and Puerto Rico—\$10.00. Other Countries
\$12.00.
Supplements U.S. and Puerto Rico—\$8.00. Other Countries
\$10.00.

National Advertising Representative

HOWARD L. HAGEMANN
Hagemann Associates
911 Busse Highway
Park Ridge, Illinois 60068-2375
312/898-2200

SYLVIA J. PETERSON
Executive Editor
KIM SCHRADER
Circulation Manager
PATRICIA A. MICEK
Advertising Production Manager
LAURA LIPSEY
Editorial Secretary
PHYLLIS ANDERSON
Publications and Press Relations

POSTMASTER: Send address
changes to CHEST, 911 Busse Highway,
Park Ridge, IL 60068-2375