

EDITORIAL AND BUSINESS ADDRESS

Department of Chemical Engineering
University of Florida
Gainesville, Florida 32611

Editor: *Ray Fahien*

Associate Editor: *Mack Tyner*

Editorial & Business Assistant:
Carole C. Yocum (904) 392-0861

Publications Board and Regional Advertising Representatives:

Chairman:

Klaus D. Timmerhaus
University of Colorado

SOUTH:

Homer F. Johnson
University of Tennessee

Vincent W. Uhl
University of Virginia

CENTRAL: *Leslie E. Lahti*
University of Toledo

Camden A. Coberly
University of Wisconsin

Darsh T. Wasan
Illinois Institute of Technology

WEST: *R. W. Tock*
Texas Tech University

William H. Corcoran
California Institute of Technology

William B. Krantz
University of Colorado

C. Judson King
University of California Berkeley

EAST: *Lee C. Eagleton*
Pennsylvania State University

NORTH: *J. J. Martin*
University of Michigan

Edward B. Stuart
University of Pittsburgh

NORTHEAST: *Angelo J. Perna*
New Jersey Institute of Technology

NORTHWEST: *Charles Sleicher*
University of Washington

Charles E. Wicks
Oregon State University

LIBRARY REPRESENTATIVE
Thomas W. Weber
State University of New York

PUBLISHERS REPRESENTATIVE
D. R. Coughanour
Drexel University

UNIVERSITY REPRESENTATIVE
Stuart W. Churchill
University of Pennsylvania

James H. Hand
N.S.F., Washington, D.C.

SUMMER 1979

Chemical Engineering Education

VOLUME XIII

NUMBER 3

SUMMER 1979

FEATURES

- 116** Chemical Process Systems: A Second Course in Chemical Engineering, *Richard M. Felder and David B. Marsland*
- 132** What is Problem Solving? *D. M. Chorneyko, R. J. Christmas, S. Cosic, S. E. Dibbs, C. M. Hamielec, L. K. MacLeod, R. F. Moore, S. L. Norman, R. J. Stankovich, S. C. Tyne, L. K. Wong, D. R. Woods*

DEPARTMENTS

The Educator

104 Gary Bennett of Toledo

Department of Chemical Engineering

110 Texas A&M

Classroom

- 120** A Flexible Self-Paced Course in Process Control, *Franklin G. King*
- 126** An Elective Course on Computer-Aided Design, *Jude T. Sommerfeld*

Curriculum

138 A Combined Bachelors-Masters Program, *Pradeep B. Deshpande, Charles A. Plank*

Laboratory

142 Freeze Drying of Fruits and Vegetables—A Laboratory Experiment, *Richard D. Noble*

Problems

147 A Modified Carnot Cycle, *Y. K. Rao*

103 Editorial

103 Letters

108 - 115 ChE News

109 Division Activities

131, 145, 146 Book Reviews

CHEMICAL ENGINEERING EDUCATION is published quarterly by the Chemical Engineering Division, American Society for Engineering Education. The publication is edited at the Chemical Engineering Department, University of Florida. Second-class postage is paid at Gainesville, Florida, and at DeLeon Springs, Florida. Correspondence regarding editorial matter, circulation and changes of address should be addressed to the Editor at Gainesville, Florida 32611. Advertising rates and information are available from the advertising representatives. Plates and other advertising material may be sent directly to the printer: E. O. Painter Printing Co., P. O. Box 877, DeLeon Springs, Florida 32028. Subscription rate U.S., Canada, and Mexico is \$15 per year, \$10 per year mailed to members of AIChE and of the ChE Division of ASEE. Bulk subscription rates to ChE faculty on request. Write for prices on individual back copies. Copyright © 1979 Chemical Engineering Division of American Society for Engineering Education. The statements and opinions expressed in this periodical are those of the writers and not necessarily those of the ChE Division of the ASEE which body assumes no responsibility for them. Defective copies replaced if notified within 120 days.

The International Organization for Standardization has assigned the code US ISSN 0009-2479 for the identification of this periodical.