

EDITORIAL AND BUSINESS ADDRESS

Department of Chemical Engineering
University of Florida
Gainesville, Florida 32611

Editor: *Ray Fahien*

Associate Editor: *Mack Tyner*

Business Manager: *R. B. Bennett*

(904) 392-0881

Editorial and Business Assistant: *Bonnie Neelands*

(904) 392-0861

Publications Board and Regional Advertising Representatives:

Chairman:

William H. Corcoran
California Institute of Technology

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

WEST: *George F. Meenaghan*
Texas Tech University

SOUTHWEST: *J. R. Crump*
University of Houston

James R. Couper
University of Arkansas

EAST: *G. Michael Howard*
University of Connecticut

Leon Lapidus
Princeton University

Thomas W. Weber
State University of New York

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

Edward B. Stuart
University of Pittsburgh

NORTHWEST: *R. W. Moulton*
University of Washington

Charles E. Wicks
Oregon State University

PUBLISHERS REPRESENTATIVE

D. R. Coughanour
Drexel University

UNIVERSITY REPRESENTATIVE

Stuart W. Churchill
University of Pennsylvania

LIBRARY REPRESENTATIVES

UNIVERSITIES: *John E. Myers*
University of California, Santa Barbara

Chemical Engineering Education

VOLUME IX

NUMBER 3

SUMMER 1975

FEATURES

- 115** Self Instruction in Thermodynamics
Frank Tiller
- 118** Carberry's Ultimate Paper
Aris Rutherford
- 128** Pollution of the Environment—
Causes and Cures
M. Hawley, M. Chetrick and E. Shaheen

DEPARTMENTS

- 106** The Educator
Bob Reid of M.I.T.
- 110** Departments of Chemical Engineering
West Virginia University
- 102** Views and Opinions
Hot Lips, A Cold Heart and
Thermometry
O. Levenspiel

Classroom

- 120** Transients in Plug Flow Systems
L. Fan and S. Lin
- 133** Use of a Continuous System Simulation
Language in Chemical Reaction Engineering,
R. Williams and D. Wolf

Laboratory

- 124** Experiments in Heterogeneous Catalysis
B. Gates and J. Sherman
- 138** Demonstrating Catalytic Reactor
Stability, *R. Hudgins*

Curriculum

- 144** Georgia Tech's Pulp and Paper Program
G. Lightsey

139, 143 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 \$10 per year, \$7 per year mailed to members of AIChE and of the ChE Division of ASEE, and \$5 per year to ChE faculty in bulk mailing. Write for prices on individual back copies. Copyright © 1975. Chemical Engineering Division of American Society for Engineering Education, Ray Fahien, Editor. 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.