

CONTENTS FOR VOLUME 1, NO. 1, OCT. '65

A NEW VIEW OF BIFURCATION

**A CED Symposium Presented at
the 73rd Annual Meeting of ASEE**

- 1 Foreword L. E. Burkhart
- 1 Curriculum Analysis and
Multifurcation of Under-
graduate Curricula Dean E. Griffith
- 3 Science, Technology,
or Both? Glenn Murphy
- 5 A Two-Option Curriculum
T. D. Wheelock
- 7 The Rensselaer Program
for Engineering Education
Stephen Yerazunis
and Arthur A. Burr
- 10 Teaching Aids for Chemical
Engineering Robert M. Hubbard
- 11 The Overhead Projector,
A Teaching Aid J. Robert Snyder
- 12 Junior Knows Best —
Or Does He? Lloyd Berg
- 13 Chemical Engineering Professorial
Staff as a Function of Student Load
A. X Schmidt
and Robert Pfeffer
- 14 A Survey of 5-Year and Cooperative
Chemical Engineering Curricula
of 1963-1964 James J. Christensen

Departments

- iii Editors' Corner
- iv CED/AICHe News George Burnet
- 9 Speaking Out Thomas H. Chilton

Chemical engineering education is a living, sensing, growing thing. It moves, it vocalizes, it has a distinctive if variable complexion. It ingests voraciously the thoughts and efforts, ideas and exercises, criticisms and inventions of its feeders — its educators, its students, the profession it procreates, the industry it serves; it matabolizes its intake into extending bone, enlarging muscle, and developing brain; it functions, complicated organism that it is, in a kind of organized and rational pattern of thought, action, and word. Like man, it speaks in many tones.

CHEMICAL ENGINEERING EDUCATION is one of the voices of chemical engineering education, in the United States the one with the most official accent. With this issue, the listener may be aware of a process that has gone on for some years: the voice is changing! The editors believe that it IS changing — not the animal so much as its vocal chords, which are lengthening and thickening and growing stronger.*

Chemical engineering education has plenty of forceful breath. Chemical engineering educators and the employers of their product have plenty of intelligent and precise word-forming skill by which to express their thoughts and beliefs. CHEMICAL ENGINEERING EDUCATION rededicates itself to the commission of converting breath to sound, deep and resonant, for the clearly audible broadcast of ideas articulated through it

* To allow a large audience of appropriate listeners to hear the voice of CHEM ENG ED as it has become, this issue is being sent with the compliments of CED to all non-subscriber members of the Division and to a number of other chemical engineering educators.

CHEMICAL ENGINEERING EDUCATION

The official journal of the Chemical Engineering Division, American Society for Engineering Education

Editor Shelby A. Miller
 Consulting Editor Albert H. Cooper
 Assistant Editor John W. Bartlett
 Publications Committee of CED
 L. Bryce Andersen Chairman
 Charles E. Littlejohn
 E. P. Bartkus
 James H. Weber
 Executive Committee of CED
 Chairman John B. West
 Chairman-elect J. A. Bergantz
 Secretary-Treasurer William H. Honstead
 Elected Committeemen J. T. Banchemo
W. H. Corcoran
 Past Chairman George Burnet

CHEMICAL ENGINEERING EDUCATION is published four times during the academic year by the Chemical Engineering Division, American Society of Education. Publication months: October, January, April, June. Publication and editorial offices: 201 Gavett Hall, University of Rochester, Rochester, N. Y. 14627. Title registered U. S. Patent Office.
Subscription rates: To Chemical Engineering Division members, \$3.00 per year; to non-members in the Western Hemisphere, \$4.00 per year; to non-members outside the Western Hemisphere, \$5.00 per year; single issue price, \$1.50. Advertising rates quoted upon request.