

VOLUME 30, NUMBER 5

FEBRUARY 4, 1952

76,500 copies of this issue printed

## CONTENTS

Concentrates . . . . .	395
Potomac Postscripts . . . . .	398
Briefs . . . . .	400
Letters to the Editor . . . . .	401
Editorials . . . . .	403
What is the Chemical Executive? . . . . . M. L. Kastens	404
Notational Systems for Structural Formulas . . . . . M. M. Berry and J. W. Perry	407
C&EN Pictorial Presentation . . . . .	438
The Chemical World This Week . . . . .	412
ACS News . . . . .	448
Behind the Markets . . . . .	474
Beyond the Flyleaf . . . . .	457
Chemical Market Prices . . . . .	477
Chemicals and Specialties, New . . . . .	461
Containers and Transportation . . . . .	465
Equipment, New . . . . .	463
Industrial Literature . . . . .	468
Industrial Mobilization . . . . .	435
In the Works . . . . .	466
Meetings and Programs . . . . .	440
1952 Calendar of Meetings . . . . .	441
Necrology . . . . .	456
News-Makers . . . . .	452
News-Scripts . . . . .	492
Process Industries' Outlook . . . . .	472
The Secretary's Office . . . . .	480
Wall Street of Chemistry . . . . .	470
Words About Words . . . . .	460
World Wide Chemistry . . . . .	446

Editor: WALTER J. MURPHY

Executive Editor  
JAMES M. CROWE

Managing Editor  
ROBERT F. GOULD

Assistant to the Editor  
N. A. PARKINSON

Associate Editors: WASHINGTON, D. O. Myatt, Joseph H. Kuney, Robert G. Gibbs; CHICAGO, Rodney N. Hader, Gordon C. Inskeep; HOUSTON, Will H. Shearon, Jr.; NEW YORK, Harry Stenerson, Merritt L. Kastens, Harold A. Knight; SAN FRANCISCO, William Q. Hull; EASTON, Bertha Reynolds, Charlotte Sayre; EUROPEAN OFFICE, Richard L. Kenyon

Assistant Editors: Howard J. Sanders, Gordon H. Bixler, Kathryn Campbell, Margaret Summers

Editorial Assistants: Edyth Malin, Jean Marshall, Betty Kieffer, Mary Carls, Louise Master-son, Helen Holmsley

Advisory Board: R. T. Baldwin, P. L. Brandt, E. C. Britton, H. I. Cramer, F. J. Curtis, Bradley Dewey, W. W. Duercker, A. L. Elder, W. C. Fernelius, L. H. Flett, C. E. Hilbert, R. D. Hoak, H. F. Johnstone, H. B. McClure, J. E. McKeen, R. L. Murray, R. C. Swain, C. L. Thomas, C. R. Wagner, L. T. Work

COPYRIGHT 1952 BY AMERICAN CHEMICAL SOCIETY

The AMERICAN CHEMICAL SOCIETY assumes no responsibility for the statements and opinions advanced by contributors to its publications. Views expressed in the editorials are those of the editors and do not necessarily represent the official position of the AMERICAN CHEMICAL SOCIETY. Published weekly by the AMERICAN CHEMICAL SOCIETY, from 20th and Northampton Sts., Easton, Pa. Executive Offices, Editorial Headquarters, and Circulation Department, 1155 Sixteenth St., N.W., Washington 6, D. C. Advertising Office: 332 West 42nd St., New York City. Branch Editorial Offices: Chicago, Room 819, 25 East Jackson Blvd.; Houston, 623 West Bldg.; New York, 60 East 42nd St.; San Francisco, 760 Market St.; London, Bush House, Aldwych. Entered as second-class matter at the Post Office at Easton, Pa., U.S.A., under the Act of March 3, 1879, as 52 times a year on Monday of each week. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of Oct. 3, 1917, authorized July 13, 1918. Annual subscription, \$6.00. Single copies, \$0.15. Postage in countries not in the Pan-American Union, \$2.25. Canadian postage, \$0.75. Claims for missing numbers will not be allowed if received more than 60 days from date of issue. No claims allowed from subscribers in Central Europe, Asia, or the Pacific Islands other than Hawaii, or because of failure to notify of a change of address, or because copy is "missing from files."

FOR CHANGE OF ADDRESS, notify Circulation Department, AMERICAN CHEMICAL SOCIETY, 1155 Sixteenth St., N.W., Washington 6, D. C. Such notification should include both old and new addresses and postal zone number, if any. The AMERICAN CHEMICAL SOCIETY also publishes: *Industrial and Engineering Chemistry*, *Analytical Chemistry*, *Chemical Abstracts*, *Journal of the American Chemical Society*, and the *Journal of Physical Chemistry*. Rates on request.

Reliably Accurate  
Under  
Plant Conditions

## continuous process-stream analysis

for:

- trace monitoring
- separation control
- composition cost accounting
- synthesis control
- stream blending

Plant stream analysis by continuous infrared-absorption methods has proved itself to be a decisive factor in the success and efficiency of processes involving chemical, petrochemical, and petroleum-derived streams.

The Baird Associates Plant Stream Analyzer has proved itself to be the instrument for the job: with high sensitivity, rapid response, rock-solid stability, explosion-proof design, complete reliability under the most rugged conditions, and adaptability to an unlimited range of applications.

Where are its potential uses?

In any process industry where the concentration of an infrared-absorbing component in a process stream is a critical index of operation. All organic substances, and many inorganic ones, are infrared-absorbers.

What are its present, tested applications? We hold details of all applications in confidence, for our clients. But when we know your problem, we can tell you how to satisfy yourself about our claims before going further.

We are staffed to understand your problem in your own terms — quickly and competently. Write us today.

*Baird Associates Inc.*

33 University Road, Cambridge 38, Mass.