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# CHEMICAL & ENGINEERING

# NEWS

VOLUME 39

NUMBER 26

## The Chemical

### FEATURE

**102 Theory and practice of gas chromatography,** today's fastest growing analytical technique. The first of two articles on this rapid, versatile tool for use in both the laboratory and the plant.

### CONCENTRATES

**17 Industry & Business**

**19 Washington**

**35 Research & Technology**

**21 News of new upgrading process for beryllium ores** tops a month of rapid-fire activity in the metal. Only two companies now make it in the U.S., but the potential has drawn interest from several others.

### INDUSTRY & BUSINESS

**23 Marketing strategy apparently dictated price drop** in vinyl chloride monomer to 7 1/2 cents a pound. Industry sources say this latest reduction is not related directly to producers' cost structure.

### GOVERNMENT

**27 Two proposals that would separate the promotional and regulatory functions of the Atomic Energy Commission** are under study by the Joint Committee on Atomic Energy. AEC commissioner L. K. Olson says move is undesirable.

### MARKETING

**28 Battle lines are forming in cement marketing.** The traditional producers, who favor small plants close to markets, are being challenged by newcomers who favor big plants and extended shipping areas.

### RESEARCH

**36 Keto acids can be mistaken for amino acids** when an automatic amino acid analyzer is used. The keto acids form when impure proteins are hydrolyzed, and they react with ninhydrin to give positive peaks on the analyzer.

**37 A common intermediate marks both hypochlorite decomposition and cellulose degradation.** Study of hypochlorite decomposition may thus give a better understanding of pulping and bleaching operations.

**55 Chemical prices show little activity** in this year's second quarter. Declines outnumber advances, but, for the most part, price shifts were the result of special situations rather than any trend in business.



THE COVER: Perkin-Elmer's C. R. Cox examines chromatogram from the 154-DG capillary flame ionization unit

## World This Week

JUNE 26, 1961

- EDUCATION 40** Colleges hope to develop uniform accounting methods that will give up meaningful statistics on their activities and status. Pilot work, starting this summer at six schools, has support from NSF and NIH.
- TECHNOLOGY 42** A high vacuum process for encapsulating solid particles has been developed by National Research Corp. The process can be used to coat solids with metals and organic and inorganic compounds.
- EQUIPMENT 49** An ultrasonic whistle can detect the output from a gas chromatograph. Such a detector, with fast response and a signal that's already integrated, could have potential for a number of industrial uses.
- INTERNATIONAL 78**ACHEMA, big German process equipment show, draws more than 100,000 visitors to Frankfurt, West Germany. Many American companies are among the nearly 1400 exhibitors who took part in the triennial exhibit.
- ACS NEWS 86** Bio-Chemistry, a new ACS journal, will start next January. Dr. Hans Neurath, University of Washington, will edit the journal. It will be published every two months, and papers are now being solicited for the first issue.
- DEPARTMENTS**
- 82** BOOKS
  - 30** C&EN CHARTS
  - 48** C&EN PROGRESS REPORT—  
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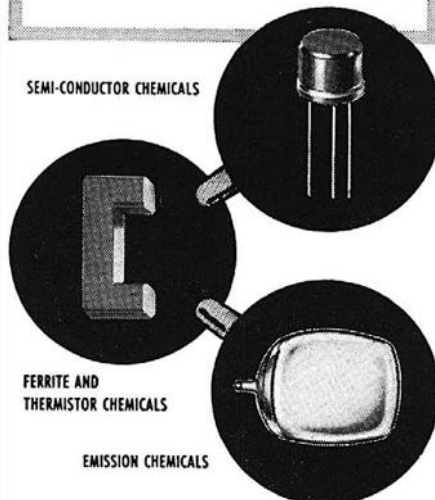
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