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# CHEMICAL & ENGINEERING

# NEWS

VOLUME 44

NUMBER 4

## The Chemical

### CONCENTRATES

- 19 Industry & Business
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**23 Upward pressure on the price of sulfur threatens price increases in a wide range of chemicals.** Pan American Sulphur, which initiated the latest move to hike sulfur prices, may be joined by other sulfur producers.

**24 Dow-Badische is taking over the textile fibers department of Dow Chemical at Williamsburg, Va.** It will also operate the acrylic fiber plant there. It will be the second U.S.-German joint venture to make fibers in the U.S.

**26 A group of U.S. scientists is protesting the use of crop-killing chemicals by U.S. military forces in the Vietnam war.** The group calls on the President to publicly forbid use of such weapons by the armed forces.

### INDUSTRY & BUSINESS

**27 Another banner year is in store for aluminum, copper, lead, and zinc.** Consumption and output are climbing, despite some tight supply problems. For producers, the big problem is pricing pressures.

**29 A difficult 15-week strike at Harshaw Chemical's plants in Cleveland and Elyria, Ohio, has ended.** The new contract gives Harshaw a management rights clause. Workers get job protection if operations are transferred.

### RESEARCH

**38 A physiologically active component of marijuana,  $\Delta^6$ -3,4-trans-tetrahydrocannabinol, has been synthesized at Princeton and found identical to a compound isolated from the plant by a University of Delaware team.**

**40 DDT in the diet of rats greatly decreases the amount of dieldrin stored in their tissue and causes liver microsomes to oxidize aldrin to dieldrin more readily than do microsomes from rats that are not fed DDT.**

### TECHNOLOGY

**48 Monsanto has beefed up its instrument line with a digital voltmeter, a counter/timer, and a pulse generator.** The company's first move into the field was last May when it introduced a counter/timer.



**THE COVER:** Dr. Alfred Caress, director of research and development, Imperial Chemical Industries. See page 86

## World This Week

JANUARY 24, 1966

**INTERNATIONAL 57** Europe's acrylic fiber capacity is growing rapidly; all four major producers now have expansions planned. Du Pont's plans to build a plant in Northern Ireland will intensify the U.K.'s shortage of acrylonitrile.

**ACS NEWS 62** Highlights of the December Board of Directors meeting include establishment of two new ACS awards, computer-based composition equipment for CAS, more "traveling" short courses, and insurance for ACS members.

**75** Forty-four new members join the advisory boards of Society publications; 15 are reappointed.

**ASSOCIATIONS 82** The 17th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy will be held Feb. 20 to 25.

**PEOPLE 86** Alfred Caress wins Honor Award of Commercial Chemical Development Association for his role in developing the plastics and fibers business of Imperial Chemical Industries. He'll be honored March 15 in New York.

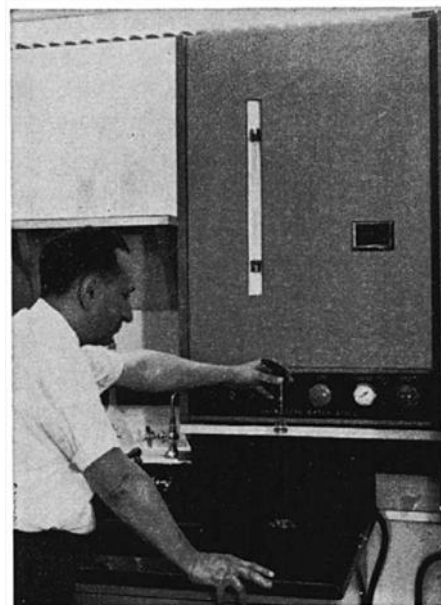
**90** Dr. Phillips W. Robbins of MIT is given the ACS Award in Biological Chemistry sponsored by Eli Lilly & Co.

**91** Dr. Kurt A. Kraus of Oak Ridge National Laboratory wins the ACS Award in Chromatography and Electrophoresis sponsored by Lab-Line Instruments, Inc.

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## NEW FOXBORO CHEM LAB SELECTS BARNSTEAD "2-10"



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