

• Local Section News

North Central Section Hears Kron, Saffiotti at January Meeting in Chicago

The North Central Section held its most recent dinner meeting at the Illinois Institute of Technology Research Center last January 18, and heard outstanding presentations from two widely-separated disciplines, exemplifying the broad area of interest represented by the AOCS.

Kron Presentation on Bleaching Clays

R. B. Kron, Inorganic Chemicals Manager of Morton Chemical Company, presented an interesting talk at the predinner meeting entitled "Decoloration by the Use of Activated Bleaching Clays." After explaining the chemical and physical changes which are brought about in clays by acid activation, Mr. Kron emphasized the importance of good alkali refining practice if bleaching doses are to be minimized. Optimum conditions were outlined for decolorizing tallow and soy, cottonseed and corn oil.

Saffiotti Reports Progress in Cancer Research

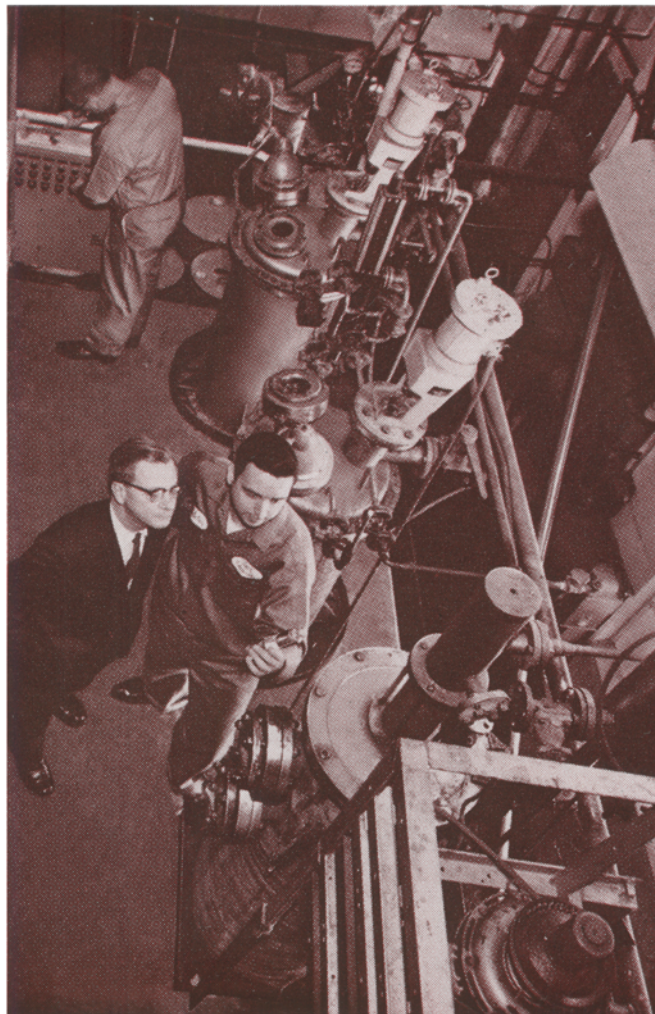
An excellent lecture by Prof. Umberto Saffiotti climaxed the meeting after a fine dinner. "The Inhibitory Effects of Vitamin A in an Experimental Lung Cancer Study" was the title of the address by Dr. Saffiotti, who is associate professor of oncology at the Chicago Medical School, Institute for Medical Research. Dr. Saffiotti received his medical degree from the University of Milan and specialized in pathology. He became interested in lung cancer and its relationship to the two basic types of air pollution: 1) public air pollution, or pollution from smoke, dust, etc., and 2) private air pollution, or cigarette smoking. In the late 50's, he worked with a group in Milan, studying the incidence of lung cancer in workers exposed to inordinate amounts of inert or mineral dust.

Dr. Saffiotti held the members of the North Central Section spellbound as he described the results of his latest work on the origin of lung cancer. The rising incidence of this disease in the American population has intensified research efforts to discover how lung cancers are formed. Until recently, this work has been hampered by lack of a reliable method of generating lung cancers in experimental animals. Simple cancer generation is insufficient for this purpose; cancers similar to those observed most commonly in human lungs were necessary. Dr. Saffiotti has discovered that cancerous growth can be induced in the lungs of hamsters by exposing them to carcinogens which have been distributed over the surface of an inert carrier. The particle size of the carrier is critical. If too large, it is eliminated by coughing; if too small, it is simply expired. The pathology of growth so induced closely resembles that of cancer formed in humans. The incidence of lung tumors in hamsters can be controlled by length of exposure to carcinogen or by the concentration of the carcinogen on the carrier.

Dr. Saffiotti has shown that large doses of vitamin A administered orally to hamsters after exposure to the carcinogen greatly reduced the incidence of lung cancer. Studies to confirm and expand these results are under way.

Lundberg To Receive Bailey Award

At the January 18th dinner meeting, North Central President R. J. Evans stated that the section membership is growing rapidly and now exceeds 2,000. He also introduced D. T. Arndtsen, Chairman of the Bailey Award Committee, who announced that W. O. Lundberg of the Hormel Institute will receive the Alton E. Bailey Award for 1967 (see page 56A for complete details). The award night meeting will be held at the Swedish Club, 1258 N. LaSalle St., Chicago, Ill., March 15th.



Our men work for you in our plant

Almost twenty years ago, A. E. Bailey, then Votator's director of Research and Development, led a group of engineers in the development of the Votator deodorizing systems. Today, as then, our engineers, skilled in process development and practical plant operations, continue to investigate deodorization processes and equipment. Their research and development activities can benefit you.

Votator deodorizers are not mass produced. They are individually engineered to meet your specifications . . . fabricated and assembled in our factory . . . guaranteed for capacity, economy of operation and product quality.

Votator engineers analyze your requirements . . . from feasibility study through pilot plant tests. Get the whole story on the many valuable services they can perform for you. Just phone or write us at Votator Division, Chemetron Corporation, Louisville, Kentucky 40201.

© 1966, Chemetron Corporation

Also . . . THERMEX® High Frequency Dielectric Heating Equipment

Votator®
PROCESSING EQUIPMENT

ANOTHER **CHEMETRON** PRODUCT
TRADEMARK