

THE CHESAPEAKE CHEMIST

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THE APRIL MEETING

The speaker at the meeting on April 25 will be Dr. Foster Dee Snell, president of Foster D. Snell, Inc., of New York City. He will talk on "Surface Activity and Detergency." The development of special uses of surface-active agents has taken great strides during the past twenty years and more especially during the past six or eight years. Detergents constitute a special case of surface activity, depending for their effectiveness on two specific surface-active properties, interfacial tension and the combination of deflocculating and emulsifying powers. Detergency also involves non-surface-active properties. For use as detergents, these materials have already captured about ten percent of the soap market, and can reasonably be expected to add another ten percent within the next few years. Production in excess of one billion pounds annually is not far over the horizon. For other than detergent purposes, they find application as wetting agents to precipitate coal dust from the air in mines, as metal cleaners with concomitant rust-proofing action, as germicides and fungicides (through their cation activity), and in other ways.

Dr. Snell is a graduate of Colgate University (B.S. 1919) and Columbia University (A.M. 1922, Ph.D. 1923). He taught chemistry at Columbia University in 1919-20, and at the College of the City of New York from 1920 to 1923. He was in charge of technical chemistry at Pratt Institute in Brooklyn from 1923 to 1928. He has operated as a consultant since 1923, and is president of Foster D. Snell, Inc., and of Chemsearch, Inc. He is on the referee board of the Office of Production Research and Development.

Dr. Snell has been a member of the ACS since 1920, and has served as councillor for the New York Section for several years. He is president of American Institute of Chemists, a fellow of the Chemical Society of London, a member of American Oil Chemists' Society, American Institute of Chemical Engineers, (to page 3

Section Officers

Chairman Giles B. Cooke, 502 Yarmouth Road, Baltimore 4
 Vice-Chairman J. A. Herculson, 407 Murdock Road, Baltimore 12
 Secy-Treas. P. K. Leatherman, 1213 Windemere Avenue, Baltimore 18

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FORMATION OF A CHEMICAL SPEAKER'S BUREAU

Members of the Section will receive in May a form on which to indicate their wishes about a Speaker's Bureau Service, and the nature of any speeches on chemical themes that they may be willing to make. The information will be used to set up a file for a Speaker's Bureau, so that the Maryland Section may cooperate in bringing to the public some information on the value and scope of chemical knowledge. The committee in charge, consisting of Dr. C. Jelleff Carr, chairman, and Dr. George Hager, will welcome comments and suggestions about the desirability and method of operating such a project, particularly while plans are in the formative stage. Both men may be reached at Plaza 1100, School of Medicine, University of Maryland.

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MARYLAND SECTION NEWS

Plans for the Remsen Memorial Lecture meeting on May 23 are progressing. The lecture will be preceded by a dinner, and it is hoped that all members will attend this dinner to honor Dr. Lind. Detailed information will be supplied later. Formal dress at the dinner will be optional.

Dr. E. Emmet Reid, who has served the Maryland Section as chairman and in many other capacities, has been chosen by the Georgia Section to receive the Herty Medal for 1947. The award is made in recognition of Dr. Reid's extensive contributions to the advance of chemistry in the South, where he has long acted as research adviser to a number of college and university chemistry departments. His many Maryland friends rejoice that Dr. Reid's achievements have been recognized in this way.

Four members of the ACS were among those recently honored at Mutual Chemical Company. Awards based upon years of service with the company were made to Harry Heller (30 years), O. F. Tarr (25 years), Marc Darrin (40 years) and Winslow H. Hartford (10 years).

Dr. Salab A. Abdel Tawab, a graduate of the University of Cairo in chemistry and medicine, has been sent by the Egyptian government to pursue further graduate study in pharmacology at the University of Maryland.

Dr. Robert C. Hockett was unable to appear as our guest speaker at the March meeting because of sudden illness. Mr. Herculson, Program Chairman, was equal to the situation and secured the cooperation of Dr. W. H. C. Rueggeberg, Research Chemist, Organic

Branch, Edgewood Arsenal. Dr. Rueggeberg, who served in the Army at Edgewood during the war, and is now a member of the civilian staff, gave a very interesting lecture on "Some Aspects of Chemical Work at Edgewood During the War."

A brief business meeting preceded the lecture. Dr. Cooke reported on plans for a Speaker's Bureau. Discussion of the Hancock Report centered on the Council. Desire was expressed for full voting power for the Section in the Council, whether or not all Councillors are present. After some discussion of expenses, it was voted to approve in principle the desirability of supplying financial assistance to Councillors for distant Council meetings, when other aid (e.g., industrial) is not available.

The Maryland sections of the American Institute of Chemical Engineers, the American Institute of Electrical Engineers, the American Society of Mechanical Engineers and the American Society of Civil Engineers have recently formed the Engineers Joint Council of Maryland, composed of one representative from each of the cooperating organizations. Dr. Ernest W. Guernsey represents the AICE. The Council was organized to facilitate cooperation between the member groups in matters of civic importance related to engineering. The first action of the Council was the redrafting of the Engineers Registration Law, which has just been enacted by the Maryland Legislature.

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from page 1) American Society for Testing Materials, Societe de Chimie Industrielle, Sigma Xi, and many other civic and scientific organizations. He is coauthor of Colorimetric Methods of Analysis, Chemicals of Commerce, Chemistry Made Easy, and Commercial Methods of Analysis. He has to his credit approximately fifty patents and one hundred technical articles. He is particularly interested in surface activity.

A dinner for Section members and their guests will precede the meeting. Reservations should be placed with Mr. J. A. Herculson, Evergreen 896, by Wednesday, April 23. The dinner will be held at Levering Hall, Johns Hopkins, and charges will be \$2.25.

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The immediate importance of the licensing poll and the Hancock Report have drawn attention from other problems of interest and importance to chemists. In case you missed them, here is a reminder of articles which have appeared in the "News Edition" in 1947.

National Science Foundation -- pages 223, 233 (Jan 27), 772 (Mar 17), 843 (Mar 24), 907 (Mar 31)

The Chemist and Congress -- pages 834 (Mar 24), 914 (Mar 31)
ACS Business -- Official reports in full, pages 20 (Jan 6), 545 (Feb 24); and in tabloid form, pages 9 (Jan 6), 424 (Feb 17), 659 (Mar 10), 757 (Mar 17)

Books and Journals for War-devastated Libraries and Agencies -- pages 146 (Jan 20), 638 (Mar 3), 659 (Mar 10)

National Security and Chemists' Training -- page 499 (Feb 24)
ACS Meetings -- What kind? -- pages 10 (Jan 6), 219 (Jan 27)

NEXT MEETING April 25 TIME 8:30 P. M.
PLACE Room 404, Remsen Hall, Johns Hopkins, Charles & 34th Sts.
SPEAKER Dr. Snell SUBJECT Surface Activity and Detergency
DINNER Levering Hall, Johns Hopkins, at 6:30
The meeting is open to anyone who may be interested in attending.
Save Friday, May 23, for the Remsen Memorial dinner and lecture.

WARTIME CHEMISTRY IN THE CHESAPEAKE AREA

IX. THE CROWN CORK AND SEAL COMPANY
(Courtesy of Sanford S. Jenkins)

The Crown Cork and Seal Company and its many subsidiaries and branch plants, like most other manufacturing companies, contributed heavily to the war effort both directly and indirectly. The direct service of the two Baltimore plants consisted in making many basic tools used in fabricating machines of war, such as parts for airplanes, various vital parts for submarine and surface naval craft, and essential parts of many other types of war machines.

The Highlandtown plant on Eastern Avenue, which was regularly engaged in supplying food and beverage closures for civilian use, stepped up production of these items to help supply the needs of the Armed Forces. At this plant two new divisions were developed, one to fabricate wings for the famous Martin Bomber, the other to manufacture the metallic link belts used to carry ammunition in caliber 50 machine guns.

The Guilford Avenue plant, which is the machinery division of the company, in addition to its regular manufacturing and servicing of bottling machinery for the food and beverage industry, greatly expanded its facilities for producing many types of basic dies and other tools used in making implements of war, and manufactured many of the vital parts of these machines. The work at this plant included the production of many necessary elements of anti-aircraft guns, submarines, surface craft and the great B-29 airplane.

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The following chemists have recently joined the Maryland Section of the American Chemical Society. We welcome them to our group and to participation in local chemical projects.

Bernard C. Boykin
Gordon H. Campbell
V. L. Chase
Jack Chernack
Edward R. Dapper
Louis Deangelis
James A. Dugan
James H. Fall, Jr.
Richard O. Gordon
Sylvan B. Gordon
Burton W. Graham
Margaret M. Green
Robert B. Hand
Robert J. Heckly

Joseph D. Landers
Joseph P. LaRocca
Carl C. McDade
Oscar B. MaHaffie
Jacob I. Miller
Frank S. Parker
Ira M. Rose
Norman H. Rosenberg
D. M. Sylvester
Jess W. Thomas
Edward B. Truitt, Jr.
Fred C. Ward
Mayer Weinblatt
Cecile L. Willingham