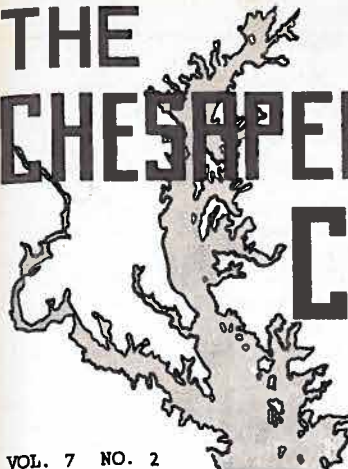


THE
CHESAPEAKE
CHEMIST



FEBRUARY 1951

PUBLISHED BY THE
MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. 7 NO. 2

THE FEBRUARY MEETING

The Maryland Section will have Dr. N. Howell Furman, president of the ACS for 1954, as an honored guest at the February meeting. The meeting will be held on Friday evening, February 23, at 8:30 in Room 404, Remsen Hall on the Homewood Campus.

Dr. Furman's record of service to chemistry and the ACS is long and varied. Few indeed are the chemists who have not consulted with frequency one or more of his books on quantitative analysis, beginning with the elementary texts on the subject written in collaboration with H. H. Willard. Progressing beyond elementary analysis, the chemistry student refers to "Potentiometric Titrations" by Kolthoff and Furman. The trained chemist finds constant use for Scott's "Standard Methods of Chemical Analysis", for the last edition of which Dr. Furman served as editor-in-chief. The specialist uses "Analytical Chemistry of the Manhattan Project" to which Dr. Furman has contributed. His publications in analytical chemistry number over fifty.

Professor Furman is a Princeton chemist. Born and raised in the neighborhood, he holds bachelor's, master's and doctor's degrees from that university. Except for a period in the Chemical Warfare Service in World War I and two years at Stanford University as instructor in chemistry, his association with Princeton has continued since his graduation. He is Russell Wellman Moore Professor of Chemistry there, and in January he was appointed chairman of the department as successor to Dr. Hugh S. Taylor.

Dr. Furman has a long record of service to the American Chemical Society. He has been an active member of the Princeton Section, of which he was a founder in 1927 and in which he has held many offices. He has served the Division of Analytical Chemistry as Secretary and as Chairman. He was the principal (to page 2

Section Officers

Chairman Charles E. Brambel, Mercy Hospital, Baltimore 2
Vice-chairman Leslie Hellerman, Department of Physiological
Chemistry, Johns Hopkins School of Medicine, Baltimore 5
Secretary-treasurer H. H. Lloyd, Goucher College, Baltimore 4

THE CHESAPEAKE CHEMIST is published each month from September through May by the Maryland Section, American Chemical Society.
Editor: Belle Otto, Goucher College, Baltimore 4, Maryland.

NOTE FROM THE TREASURER

The treasurer is sending an enclosure with this issue of THE CHESAPEAKE CHEMIST. For those who have paid their Maryland Section dues it is a receipt and for those who have not it is a reminder. Dr. Lloyd believes that he has made a correct listing of all payments received up to the time of mailing of this issue, but if errors have been made he will appreciate being notified. He wishes to express thanks for their prompt response to those members approximately 200 in number, who have already sent him their dues.

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from page 1) The February Meeting
speaker at the Fourth Annual Symposium on Analytical Chemistry in January. He has been a member of the advisory staff of "Analytical Chemistry" and has been an associate editor of "Industrial and Engineering Chemistry", "Chemical Reviews" and "Journal of the American Chemical Society". In 1948 he was the first recipient of the Fisher Award in Analytical Chemistry. He is serving as President of the American Chemical Society for the current year.

Dr. Furman has been honored also by other groups. Boston University conferred the honorary degree of Doctor of Science upon him last June. Last month he was elected a Fellow of the New York Academy of Sciences. During World War II he served with OSRD and with the Manhattan Project.

Dr. Furman's special contributions in analytical chemistry have been in the fields of potentiometry, electrodeposition and polarography, and in the use of ceric sulfate. His address to the Maryland Section will be on "Analytical Extractions". He will discuss the analytical applications of the extraction of organo-metallic compounds with organic solvents and the extraction of certain inorganic substances such as uranyl nitrate and ferric chloride. Dr. Furman's interest in this analytical technique was intensified by the work which he did with R. J. Mundy in the analytical separation of uranium.

Preceding the lecture the Section will hold a dinner in honor of the speaker. Dinner will be served at the Johns Hopkins Club on the Homewood Campus at 6:30, and is open to members of the Section and their guests. Reservations should be made by Wednesday noon, February 21, with Dr. Leslie Hellerman, Department of Physiological Chemistry, Johns Hopkins School of Medicine, Baltimore 5, phone ORleans 4700, or with the secretary, Mrs. Corliiss, at the same number.

NEWS IN THE LOCAL SECTION AND THE NATIONAL SOCIETY

Dr. Wm. H. Summerson, of the Army Chemical Center, will be the guest lecturer for the Detroit Section at their February meeting, when he will speak on "Biochemistry and Chemical Warfare".

Dr. A. H. Corwin of The Johns Hopkins University, immediate past chairman of the Maryland Section, has had a busy winter with speechmaking. In November he gave a number of demonstration lectures to ACS sections in the southern states, speaking on "The Chemistry of Porphyrins", "Organic Reductions" and "The Chemistry of Ricin". He and Mrs. Corwin traveled with a car full of demonstration equipment and did a major job of packing and unpacking at each stopover. He spoke at Bristol in Virginia-Tennessee, at Knoxville, Nashville, Chattanooga and Memphis in Tennessee, at Auburn and Birmingham in Alabama and at Atlanta. In February or March he will deliver three lectures at Penn State as one of the speakers in their series on recent advances in chemistry.

Section Chairman Charles E. Brambel, who is Assistant Director of the Clinical Laboratory at Mercy Hospital, was an invited participant in the annual Josiah Macy, Jr. Foundation Conference on Blood Clotting and Allied Problems.

The Philadelphia Catalysis Club will hold an all day symposium at the University of Pennsylvania on April 28. Professor Walter Patrick of The Johns Hopkins University will present two papers.

The Chemical Corps School and Replacement Training Center will soon be transferred from Army Chemical Center at Edgewood to Fort McClellan, Alabama. The School has been at Edgewood since 1924 and the Replacement Training Center since its organization last summer. The move to Alabama will release space at Army Chemical Center for expansion of the industrial and research divisions. The Maryland Section regrets the transfer of these members from our territory, and wishes them success in their new location.

Have you ever squinted, sighed and gone to sleep in the stuffy darkness when the speaker produced lantern slides crowded with tiny figures invisible beyond the front row? Dr. Joel Hildebrand, whom Marylanders will remember for his forthrightness in the Remsen Memorial Lecture in 1949, had some ideas about this state of affairs and sent them to the editor of C&EN (October 23, 1950, page 3672). Others have since commented on his ideas — see the issues for January 29 (page 361), December 18, 1950 (page 4423) and November 13, 1950 (page 3956). If you feel strongly on this subject lend your support by sending your letter also to Walter Murphy, editor of Chemical and Engineering News.

The Board of Directors of the ACS may seem remote from the average member at his laboratory desk. The relation between the Board and the individual members has been well presented by Secretary Emery in the "News Edition" of January 29, page 398. Know what your Board of Directors does, and why they do it. Read about the Board in the article just mentioned, and about its activities and those of its committees in the "News Edition" for January 15, page 188 and January 22, page 281.

NEXT MEETING Friday, February 23 TIME 8:30 P.M.
PLACE Room 101, Remsen Hall, The Johns Hopkins University,
Charles & 34th Streets, Baltimore
SPEAKER Dr. N. Howell Furman, President of the ACS
SUBJECT Analytical Extractions
DINNER Johns Hopkins Club, The Johns Hopkins University,
Charles & 34th Streets, Baltimore, at 6:30

The meeting is open to anyone who is interested in attending.
The dinner is open to members of the Section and their guests.
Save March 30 to hear Dr. Frank Mayo speak on "Polymerization".

NEW BOOKS IN CHEMISTRY

THE CHESAPEAKE CHEMIST has for some time neglected to inform its readers about new books on chemistry which have been added to the Enoch Pratt Free Library. Lack of space has crowded such items from recent issues, and space is lacking here for a complete listing of new volumes. The titles given below are a representative sampling, however, and may catalyze Maryland chemists to go look for these and other volumes on the shelves of the library's Department of Industry and Science.

- Alexander, E. R., Principles of Ionic Organic Reactions. 1950.
Alexander, Jerome, comp., Colloid Chemistry, vol. 7. 1950
American Society for Testing Materials, Symposium on Effects of Low Temperatures on the Properties of Materials. 1950
American Society for Testing Materials, Standards on a number of materials, such as coal, coke, detergents, petroleum products.
Robert Boyle's Experiments in Pneumatics. 1950
Chymia: Annual Studies in the History of Chemistry, vol. 3. 1950
Conant, J. B., ed., The Overthrow of the Phlogiston Theory. 1950
Elderfield, R. C., ed., Heterocyclic Compounds. 1950
Elkins, H. B., The Chemistry of Industrial Toxicology. 1950
Faith, W. L., Industrial Chemicals. 1950
Farkas, A., ed., Physical Chemistry of the Hydrocarbons, Vol. 1
1950
Fink, R. M., ed., Biological Studies with Polonium, Radium and Plutonium. 1950
Fleming, Alexander, Penicillin, 2nd ed. 1950
Hammerslag, F. E., The Technology and Chemistry of Alkaloids. 1950
Hildebrand, J. H. and Scott, R. L., The Solubility of Non-electrolytes, 3rd ed. 1950
Hilditch, T. P., The Industrial Chemistry of the Fats and Waxes, 3rd ed. 1949
Horsfall, R. S. and Lawrie, L. G., The Dyeing of Textile Fibres, 2nd ed. 1950
Houwink, R., ed., Elastomers and Plastomers. 1949 3 vols.
Lonsdale, K., Crystals and X-rays. 1949
McBain, J. W., Colloid Science. 1950
Mellon, M. G., ed., Analytical Absorption Spectroscopy. 1950
Moncrieff, R. W. The Chemistry of Perfumery Materials. 1949
Randall, H. M., Infrared Determination of Organic Structures. 1949
Sandell, E. B., Colorimetric Determination of Traces of Metals, 2nd ed. 1950
Sexton, W. A., Chemical Constitution and Biological Activity. 1950
Sidgwick, N. V., The Chemical Elements and Their Compounds. 1950
U. S. Office of Scientific Research and Development, Handbook on Aerosols. 1950