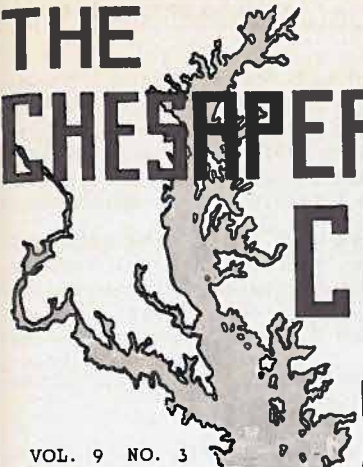


MARCH 1953

THE CHESAPEAKE CHEMIST

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AMERICAN CHEMICAL SOCIETY

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THE MARCH MEETING

The next meeting of the Maryland Section will be held on Friday, March 27, at 8:00 P.M., in the Officers' Club, Camp Detrick, Frederick, Maryland. After the pleasant and profitable experience of last year's meeting at Detrick it was decided that another meeting in the same place would be in order. A full program is scheduled for the evening.

Admission to the post will be permitted ONLY to those who have indicated in advance that they will attend the meeting. The list of names of those attending will be checked at the entry gate to Camp Detrick, and no one will be permitted to enter or to depart whose name is not on this list. To allow time for the preparation of this list, those persons planning to attend either the meeting or the dinner and meeting should, by Monday evening, March 23, notify Dr. W. H. Summerson, 501 West University Parkway, Baltimore 10; TUxedo 8787 or BElmont 0400. Members living in the Frederick area may notify Dr. J. E. Schantz, Biological Laboratories, Camp Detrick; MOnument 3-4111, Extension 4262, by the same date. A card is enclosed for your convenience. The subscription price for cocktails and dinner (\$2.50) must accompany your request for a reservation. There is no charge for the meeting.

The program will begin with cocktails at 6:15 and dinner at 6:45. At 8:00 P.M. those attending the meeting will have the opportunity to hear Dr. J. L. Oncley, Professor in the Department of Biophysical Chemistry of Harvard University, talk on the subject, "Interactions of Proteins". Dr. Oncley is one of the leading authorities on the study of large molecules and, except for a few contributions to the studies of deterioration of insulating oils, his work has all been in the field of protein and colloid chemistry. In presenting his subject he will discuss the interaction of proteins with small ions and molecules which often lead to increased stability of proteins systems, (to page 2

Section Officers

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Vice-chairman William H. Summerson, Chemical Corps,
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Editor: J. Lloyd Straughn, Western Maryland College,
Westminster, Maryland.

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LOCAL SECTION PUBLICATIONS

Are you interested in news and information from another local section of the ACS? There are about forty local section publications received through exchange of THE CHESAPEAKE CHEMIST. Would you like to read a particular one? Your editor is willing to send to interested persons - not regularly, but on occasion - a copy of the desired publication, if available. A card addressed to the Editor of THE CHESAPEAKE CHEMIST, giving your name, address, and section publication desired, will bring it to you.

Seen in the RESONATOR.

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from page 1) The March Meeting

the interactions of antibodies and antigens, the general reactions of proteins of unlike electrical charge, and the specific interactions of certain proteins, especially insulin and serum albumin, to give polymers of double or triple the monomer molecular weight.

Camp Detrick at Frederick, Maryland is about 45 miles west of Baltimore and can be reached by travelling on either Route 40 or Route 26 from Baltimore. If Route 40 is used, drive to the center of Frederick at Market and Patrick Streets, turn right onto Market Street, and drive north to the fountain and stop light at Seventh Street. Turn left onto Seventh Street and drive about one mile to the main gate of Camp Detrick designated by a large sign on the left. If Route 26 is used, follow it to the second stop light in Frederick, turn right onto Seventh Street and proceed to Camp Detrick. At the gate each arrival will be checked against the list and given directions to the Officers' Club.

We are again indebted to Dr. J. E. Schantz, Chief of the PS Division at Camp Detrick, for making all arrangements in cooperation with Dr. W. H. Summerson, Program Chairman for the Maryland Section.

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Have you read the Official Reports of the American Chemical Society for 1952 which appeared in the March 2 issue of Chemical and Engineering News?

ACTIVITIES FOR MARYLAND CHEMISTS

New Members. The following persons have recently joined the Maryland Section. How about becoming acquainted with the new member who lives in your neighborhood? Give him a personal welcome into the section and bring him along to the meetings to meet the other members.

James J. Bresnahan, Jr., 1609 Walterswood Road, Baltimore 12
Julius A. Cieslik, 9710 T.S.U., CmlC Det. 2,

Army Chemical Center, Maryland.

Phillip Coady, 600 Lee Place, Frederick, Maryland.

Douglas H. Martin, Chemical Division, C&RL, Chem. R&E Command,
Army Chemical Center, Maryland.

Bernard Misek, 2424 Loyola Southway, Baltimore 15

David Stefanye, PS Div., CmlC Biological Labs., Camp Detrick
Carroll E. Stewart, 307 Lincoln Avenue, Lutherville, Maryland.

Cyrus M. Strauss, 9710 T.S.U., CmlC Det. 2,

Army Chemical Center, Maryland.

Milton A. Tulis, Apt. 4B, Watkins Acres, Frederick, Maryland.

Transfers

Lawrence C. Buckles, 3501 St. Paul Street, Baltimore 18

Ernest R. Higgins, P.O. Box 476, Edgewood, Maryland.

Edward F. Plucenik, Jr., P.O. Box 884, Edgewood, Maryland.

Breckinridge K. Tremaine, R.D. 4, Elkton, Maryland.

New Books at Pratt. It has been customary to list from time to time selected titles of new books available at the Enoch Pratt Free Library. Lack of space has crowded such a listing from recent issues, but finally some of the more interesting titles can be given. Drop in at the Pratt to see for yourself the new books added to the Library's Department of Industry and Science.

Bambaş, L. L., Five-membered Heterocyclic Compounds. 1952

Farber, E., The Evolution of Chemistry. 1952

Frank, G. H., The Manufacture of Intermediates and Dyes. 1952

Guenther, E., The Essential Oils. Vol. 5. 1952

Harkins, W. D., The Physical Chemistry of Surface Films. 1952

Kolthoff, I. M. and Lingane, J., Polarography. 2nd ed. 1952

Pieters, H. A. J., Safety in the Chemical Laboratory. 1951

Ricci, J. E., Hydrogen Ion Concentration. 1952

Rossi, B. B., High Energy Particles. 1952

Schildknecht, C. E., Vinyl and Related Polymers. 1952

Vail, J. G., Soluble Silicates. Vol. 2. 1952

Waggaman, W. H., Phosphoric Acid. 2nd ed. 1952

A Use for Books and Journals. The Worcester Chapter of the American Technion Society is uniting with other Chapters throughout the country in the collection of scientific books and journals to be sent to the Haifa Technion in Israel, the only engineering school in the Near East. Any institution or individual who wishes to donate such books and journals may contact Dr. B. D. Halpern, Monomer-Polymer, Inc., Leominster, Massachusetts. Packages may be sent collect to the above address. Can you help?

* * * * *

from page 4) John Lawrence Oncley
Proteins, Section of Biochemistry, International Union of Pure
and Applied Chemistry.



NEXT MEETING March 27 TIME 8:00 P.M.
PLACE Officers' Club, Camp Detrick,
Frederick, Maryland
SPEAKER Dr. John Lawrence Oncley
SUBJECT Interactions of Proteins
DINNER 6:45 P.M. COCKTAILS 6:15 P.M.

Make your reservations in advance. (see page 1)
Save Friday, April 24, to hear Dr. George W.
Irving of the U. S. Department of Agriculture.

Dr. J. L. Oncley

JOHN LAWRENCE ONCLEY

John Lawrence Oncley, the speaker for the March meeting (see page 1), was born in Wheaton, Illinois, in 1910, but usually considers himself to be a Kansan, having lived in Winfield, Kansas, from 1918 to 1929, where he attended school and received his A.B. from Southwestern College in 1929. His interest in chemistry was obtained from his father who taught chemistry at Southwestern for almost 30 years until retiring in 1947. He received his Ph.D. in 1932 from the University of Wisconsin under professor J. W. Williams.

Dr. Oncley spent the next two years at the Massachusetts Institute of Technology as a National Research Fellow in Chemistry working on the dielectric constant of compressed gases. After a year as Instructor in Chemistry at the University of Wisconsin and a summer (1935) in the Research Laboratories of General Electric, he returned to M.I.T. as an Instructor in Chemistry. In 1939 Dr. Oncley was chosen to set up and direct the Ultracentrifuge Laboratory of the Department of Physical Chemistry at the Harvard Medical School (now the Department of Biophysical Chemistry). He has advanced in the department from Research Associate in 1939 to Professor in 1950. At the present time he is Secretary of the Division of Medical Sciences of Harvard and is a member of the University Laboratory of Physical Chemistry Related to Medicine and Public Health.

In 1942 Dr. Oncley received the ACS Award in Pure Chemistry for his work in developing a new bridge method for the dielectric study over a wide range of frequency, of protein solutions of relatively high conductivities, which furnished important evidence about the size, shape, and electrical charge distribution of protein molecules. During World War II Professor Oncley was a member of the group that developed methods for the production of albumin, gamma-globulin, and other protein products from human blood plasma. He has been especially concerned with the gamma-globulin, the isoagglutinin, and the beta-lipoprotein components of plasma. Recent studies of these materials, and of insulin, are of special interest to those interested in the interactions of proteins.

Professor Oncley is a member of the American Chemical Society, the Faraday Society, the National Academy and the New York Academy of Sciences, the American Academy of Arts and Sciences, and the American Association for the Advancement of Science. At present he is serving as President of the Commission on (to page 3