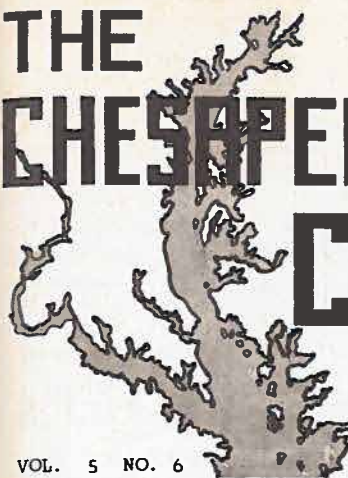


THE
CHESAPEAKE
CHEMIST

A stylized map of the Chesapeake Bay region, showing the bay's intricate coastline and surrounding landmasses. The map is rendered in a light gray tone and is positioned behind the main title text.

SEPTEMBER 1949

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MARYLAND SECTION
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THE SEPTEMBER MEETING

The Maryland Section will hold its first regular meeting for the year 1949-50 on Friday, September 30, at 8:00 p.m. (one-half hour earlier than usual) in the Chemical Corps School Auditorium, Army Chemical Center, Maryland. This is the first of a regularly planned annual series of meetings which will be held under the auspices of the Technical Command at the Army Chemical Center. All members of the Maryland Section are urged to attend this important meeting, and non-members are cordially invited to be present. The lecture, as usual, is free of charge.

The speaker will be Dr. William H. Summerson, Chief of the Biochemistry Section of Medical Division, Army Chemical Center. Dr. Summerson's topic will be "Biochemistry and Chemical Warfare." He will describe various recent advances in knowledge concerning the chemical reactions which take place when highly toxic compounds come in contact with the components of living cells, and the ways in which this knowledge is used in devising protective and therapeutic measures. He will also tell how certain chemical warfare agents, originally of interest solely for military purposes, have found important peace-time use.

Dr. Summerson received the bachelor's degree in chemistry from Cornell University in 1927, and the Ph.D. degree in biochemistry from the same institution in 1937. Before taking up his present position at the Army Chemical Center in 1947, he was Associate Professor of Biochemistry at Cornell University Medical College in New York City. His research interests have been chiefly in the field of cell metabolism including the development of methods and apparatus for studies in this field, and the action of chemical compounds on the various enzymes, coenzymes, and other types of molecules which make up the chemical environment of living cells. All chemists recognize his name when they use the Klett-Summerson photoelectric colorimeter. (to page 3)

Section Officers

Chairman J. A. Herculson, 407 Murdock Road, Baltimore 12
 Vice-Chairman A. H. Corwin, Department of Chemistry,
 The Johns Hopkins University, Baltimore 18
 Secretary-Treasurer H. H. Lloyd, Goucher College, Baltimore 18

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 Editor: Belle Otto, Goucher College, Baltimore 18, Maryland.
 Acting Editor for this issue: H. H. Lloyd

NOMINATIONS ARE IN ORDER

The Maryland Section will hold its annual elections at the meeting in November. The following positions are to be filled: Chairman, Vice-Chairman, Secretary-Treasurer, five members of the Executive Committee, two Councillors and two Alternate-Councillors. A Nominating Committee, duly appointed by the Chairman, is ready to work on the selection of persons to fill these positions, and plans to announce its report in the November issue of THE CHESAPEAKE CHEMIST. The Committee will be glad to receive the names of members whom in your judgment it should consider. Names may be submitted by October 15 to any member of the Committee:

C. W. Wilson (Chairman), Gas & Electric Company; residence, 4122 Westview Road, Zone 18, telephone BELmont 4141.

J. E. Ahlberg, Davison Chemical Corp. Hilltop Laboratories; residence, 3709 Kimble Road, Zone 18, telephone CHESApeake 8743.

H. H. Lloyd, Goucher College; residence, 2824 Howard Street, Zone 18, telephone BELmont 9059.

E. B. Reid, Department of Chemistry, The Johns Hopkins University; residence, 3812 Hamilton Avenue, Zone 14, telephone CLIFton 4994.

W. H. C. Rueggeberg, Army Chemical Center; residence, 7906 Tilmont Avenue, Zone 15, Telephone Boulevard 1888-W.

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NEW MARYLAND SECTION BYLAWS

The committee appointed to draft a new set of Bylaws for the Maryland Section, under the chairmanship of C. W. Wilson, has completed its work. The fruit of its labors was submitted to the Society staff in Washington and was revised in accordance with valuable suggestions made by staff experts. In its final form, it has been laid before the Society committee for approval. When approved, it will be distributed to members of the Maryland Section for ratification.

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THE OCTOBER PLANT TRIP

Western Electric Company has invited the Section to visit its Baltimore plant on Wednesday, October 26. Full details will be given in THE CHESAPEAKE CHEMIST for October. Plan now to go!

from page 1) The September Meeting

The dinner preceding the meeting will be held at Gunpowder Mess, Army Chemical Center, at 6:30 p.m. The charge per plate will be \$2.00. Reservations, with the exception of those made directly with Dr. Rueggeberg at the Center, must be made (on the reply card enclosed) with Vice-Chairman Corwin (address page 2) before noon on Monday September 19.

The Maryland Section is planning to arrange transportation to and from Army Chemical Center (Edgewood) at no cost to members for everybody who wishes to go. It is hoped that members who have cars will be able to accommodate all who do not. If your own transportation is provided for, and you cannot take anyone outside your party, DO NOT fill in the transportation section of the reply card. If you can supply transportation for others, or if you wish it provided for you, fill in the card, mail it to Dr. Corwin before September 19, and come to Remsen Hall, Hopkins campus, by 5:30 p.m. if you plan to attend the dinner, or by 7:00 p.m. if you plan to attend only the lecture.

All members and guests who go to the dinner and/or meeting will proceed to the Main Gate at Army Chemical Center, Edgewood, Maryland, and will be admitted and furnished directions by the officer on duty there. Travelling by car from Baltimore, you follow Route 40 to the traffic light at Edgewood Road, make a right-hand turn, and proceed about two miles to the Main Gate. The trip from downtown Baltimore is approximately twenty miles.

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Recent additions to the books at Pratt Library include:

Babbitt & Doland -- Water Supply Engineering. 4th ed. (1949)
 Calvin -- Isotopic Carbon (1949)
 Elsevier's Encyclopaedia of Organic Chemistry. vol. 12 B-Naphthalene, Hydrocarbons and Halogen Compounds (1948)
 Fieser, L. F. and Mary -- Natural Products Related to Phenanthrene. 3rd ed. (ACS Monograph 70) (1949)
 Goetzel -- Treatise on Powder Metallurgy. vol. 1 (1949)
 International Committee on New Analytical Reactions and Reagents-Reagents for Qualitative Inorganic Analysis (1948)
 Li, Ch'iao-p'ing -- The Chemical Arts of Old China (1948)
 Long -- Sugar and Sugar By-products in the Plastics Industry (1949)
 Parmelee -- Ceramic Glazes (1948)
 Post -- Silicones and Other Organic Silicon Compounds (1949)
 Samans -- Engineering Metals and Their Alloys (1949)
 Schwartz & Perry -- Surface Active Agents (1949)
 Simonds -- Handbook of Plastics (1949)
 Stewart -- Recent Advances in Organic Chemistry. 7th ed. vol. 2 (1948)
 Tauber -- The Chemistry and Technology of Enzymes (1949)
 Thorpe -- Dictionary of Applied Chemistry. vol. 9 (1949)
 Tweney & Hughes (ed.) -- Chamber's Technical Dictionary (1948)
 von Fischer -- Paint and Varnish Technology (1948)
 Waksman -- The Literature on Streptomycin (1948)
 Warth -- The Chemistry and Technology of Waxes (1947)
 Western Reserve University -- Frontiers in Chemistry. vols. 6 and 7 (1949)

NEXT MEETING September 30 TIME 8:00 P.M.
PLACE Chemical Corps School Auditorium, Army Chemical Center
SPEAKER Dr. Summerson TOPIC Biochemistry and Chemical Warfare
DINNER Gunpowder Mess, Army Chemical Center, at 6:30 P.M.
Meeting open to members of the Maryland Section and their guests.
Save Wednesday, October 26, for plant trip to Western Electric.

EVENING COURSES AT BALTIMORE UNIVERSITIES

McCoy College of The Johns Hopkins University, and the College of Special and Continuation Studies of the University of Maryland will again offer courses in chemistry and related subjects in their evening classes this autumn.

Courses offered in McCoy College include the following:

Advanced Inorganic Chemistry 113. Thursday 6:30-8:10
Technical Organic and Inorganic Processes 109. Mr. Harris. Monday 8:30-10:10.
Chemical Plant Design 111. Mr. Harris. Hours to be arranged.
Paint, Varnish and Lacquer Technology 117. Mr. Shurts. Monday 6:30-8:10.
Geometrical and Physical Optics 305. Mr. Strong. Monday and Wednesday 5:00-5:50.
Introduction to Quantum Mechanics 319. Mr. Rasetti. Monday and Wednesday 8:00-8:50.
Special Introductory (Scientific) German 107. Mr. Werbow. Monday and Thursday 6:30-7:45.
Differential Calculus 105. Mr. Morrill. Monday and Thursday 6:30-8:10.
Advanced Calculus 107. Mr. Light. Monday and Thursday 6:30-8:10, or 8:30-10:10 (two sections).
Advanced Calculus, Vector Analysis, and Function Theory 401. Wednesday 6:30-8:10.

Registration for courses in McCoy College will be Saturday, September 17 and 24, 10:00 a. m. to 4:00 p. m., and Monday and Tuesday, September 26 and 27, 5:30-8:30 p.m. Classes begin on Thursday, September 30. Full information about these and other courses may be obtained from the Office of the Dean, McCoy College, The Johns Hopkins University, Baltimore-18, Maryland.

Courses offered in the Baltimore Schools of the University of Maryland include the following.

Advanced Organic Chemistry B141. Mr. Hagar. Monday at 7:00.
Advanced Organic Chemistry Laboratory B142. Mr. Hagar. Hours to be arranged.
Elements of Physics B1. Mr. Estabrook. Monday at 7:00.
Modern Atomic Physics B112. Mr. Estabrook. Wednesday at 7:00.
General Bacteriology B1. Mr. Shay. Tuesday at 6:30.
General Zoology B1a. Mr. Applegarth. Thursday at 7:00.

Registration for courses in the Baltimore Schools will be September 20 to 24. Classes begin the week of September 26. (A course in analytic geometry will be offered at Aberdeen--registration September 16; one in algebra at Edgewood--registration September 15.) Further information may be obtained from the Registrar at the Administration Building, Lombard and Greene Streets, Baltimore-1, Maryland.