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THE CHESAPEAKE CHEMIST

DECEMBER 1945

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MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

THE DECEMBER MEETING

Dr. Robert D. Fowler, Professor of Chemistry, The Johns Hopkins University, will speak on "Atom Smashing and the Atomic Bomb" at the next meeting, Friday, December 14th. Progress in atom smashing will be traced from Roentgen's discovery of radioactivity, with emphasis upon the contributions made by the mass spectrometer, the Van de Graff generator, and the cyclotron. The discovery of nuclear fission in uranium 235 and its bearing on the development of the atomic bomb will be discussed. The fundamental principles involved in smashing atoms will be pointed out, and the way in which these principles are utilized in producing the atomic bomb and in developing atomic power will be explained.

Dr. Fowler was awarded the B.S. degree by the University of California in 1926 and the Ph.D. degree by the University of Michigan in 1930. From 1930 to 1935 he was an Instructor in Chemistry at the University of California. During that time he did research in E. O. Lawrence's laboratory, contributing to the invention of the cyclotron and the early work done by means of it. In 1936 Dr. Fowler was appointed to the chemistry staff at The Johns Hopkins University. In 1939, concurrently with workers at Columbia University and the Carnegie Institution, he confirmed the discovery of nuclear fission in uranium 235. From November 1941 to September 1944 Dr. Fowler was associated with the Manhattan Engineer Project. He has published papers in physical and inorganic chemistry and in nuclear physics.

Other business at this meeting will include presentation of the reports of the Secretary and the Treasurer for the fiscal year of 1945 and the election of officers for the coming year

The meeting will as usual be preceded by dinner at Levering Hall.

Section Officers
 Chairman W. F. Reindollar
 Secretary C. W. Wilson

Vice-Chairman Giles B. Cooke
 Treasurer C. W. Wilson

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 Editor: Belle Otto, Goucher College, Baltimore 18, Maryland

ELECTION OF OFFICERS

The election of Section Officers for the calendar year 1946 will be held at the meeting on December 14. The nominating committee, Dr. Walter Hartung, Chairman, has proposed the following slate.

Chairman: Giles B. Cooke, Research Chemist, The Crown Cork and Seal Company
 Vice-chairman and Chairman of the Program Committee:
 John Herculson, Chairman of the Department of Chemistry, Morgan State College
 Secretary-Treasurer: Channing W. Wilson, Research Chemist, Consolidated Gas, Electric Light and Power Company
 Councillors: (six to be elected)
 A. H. Corwin, Chairman of the Department of Chemistry, The Johns Hopkins University
 Leslie Hellerman, Assistant Professor of Physiological Chemistry, The Johns Hopkins Medical School
 P. K. Leatherman, Director of Laboratories and Product Control, Emerson Drug Company
 Duncan MacRae, Chief Chemist, Edgewood Arsenal
 Belle Otto, Professor of Chemistry, Goucher College
 E. E. Reid, Professor Emeritus of Chemistry, The Johns Hopkins University
 Members of the Executive Committee: (Four to be elected)
 Charles Bramble, Assistant Director of the Clinical Laboratories, Mercy Hospital
 F. C. Hettinger, Plant Manager, U. S. Industrial Chemicals Company
 Arnold Johnson, Chief Chemist, Sealtest Inc. Research Laboratories
 Frederick Wiselogle, Associate Professor of Chemistry, The Johns Hopkins University

Other candidates may be nominated from the floor. If additional nominations for councillor are made, the nominator should be reasonably sure that his candidate will attend the sessions of the Council when the American Chemical Society meets.

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In connection with the article on the resources of the Pratt Library, readers are reminded that the last complete listing of chemical journals and the library sources from which they may be obtained appeared in Chemical Abstracts, Volume 39 (1936); a supplementary list was published in Volume 36 (1942).

THE EXECUTIVE COMMITTEE MEETING
SUMMARY OF MINUTES

A meeting of the Executive Committee of the Maryland Section was held on November 14, 1945.

A letter from the Secretary of the American Chemical Society was read, stating the policy of the national organization with regard to the Magnuson and Kilgore bills. It was decided to read this letter at the November meeting of the Section, and to make available to members copies of the statements on the subject made before Senate Committees by Bradley Dewey, President-elect of the A.C.S., and Roger Adams, Chairman of the Board of Directors.

There was extended discussion of the question of licensing chemists, leading to a decision to hold a future meeting of the Section for consideration of this and other important topics such as the proposed amendment to the constitution of the A.C.S.

It was agreed to continue publication of THE CHESAPEAKE CHEMIST through May, 1946. An active effort will be made to secure more local members of the Maryland Section among chemists who are not members of the A.C.S. Local dues for 1946 were set at \$1.00.

Plans are under way for an inspection trip this spring to a representative industrial chemical plant in this area.

Dr. Corwin reported on the status of the proposed Remsen Memorial Lectures. It was decided that two such lectures be given during the next two years, and that further action be based upon this experience. The selection of the lecturers will be made by the Awards Committee. This committee is to be appointed by the Chairman of the Section after conference with the Chairman of the Department of Chemistry of The Johns Hopkins University, who will be Chairman of the Awards Committee. The Chairman of the Section is to be a member of this committee, ex officio.

Channing W. Wilson, Secretary

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from 4th page) parts of the collection during the war. It is hoped to include, eventually, the standards and specifications of all the leading engineering societies and trade associations. Federal, Army, Navy, and Air Corps specifications are received along with other documents. Specifications and new bulletins and catalogs from manufacturers are requested as advertised and are filed for quick reference. House organs of some of the leading chemical and pharmaceutical firms are available.

All of this material, with the exception of certain series of standards and specifications, may be borrowed. The departmental trade catalog collection is being expanded rapidly. It has proved to be one of the most popular and valuable assets with all types of readers, since much of the material published there can be found nowhere else.

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Dr. Fowler

NEXT MEETING December 14 TIME 8:30 P. M.
 SPEAKER Dr. Fowler SUBJECT Atom Smashing
 PLACE Room 101, Remsen Hall, Johns Hopkins
 Charles & 34th Streets
 BUSINESS Election of Officers for 1946
 Reports of the Secretary-Treasurer
 BRING ANOTHER CHEMIST
 This is the only notice of this meeting which you
 will receive.
 Save the date January 15 for the next meeting.

PRATT LIBRARY RESOURCES IN CHEMISTRY AND CHEMICAL TECHNOLOGY
 (Conclusion)

Elsa von Hohenhoff, Head
 Industry and Science Department, Enoch Pratt Free Library

JOURNALS, INDEXES, AND ABSTRACTS. The files of scientific, technical, and trade journals total 486 current subscriptions and 17,000 back volumes of American, English, and a few foreign titles. The chemist will find long files of the periodicals of the American Chemical Society, American Ceramic Society, Chemical Society of London, and the Society of Chemical Industry; Chemical Reviews, the Journal of Chemical Education, Journal of Physical Chemistry, Journal of Organic Chemistry, Journal of Biological Chemistry, Journal of Applied Physics, and The Physical Review; the Berichte der Deutschen Chemischen Gesellschaft, Liebig's Annalen, and Stahl und Eisen, Chemical Industries, Chemical and Metallurgical Engineering, and Chemical Age. He may also consult periodicals in the special fields of plastics, rubber, ceramics, paint technology, soaps and oils, leather, textiles, petroleum, nutrition, sanitary engineering, and others. Duplicate issues are filed for circulation--this pool of circulation copies is built up entirely by generous gifts from local scientists, engineers, and special libraries.

As a key to research in these fields, there are available the Chemical Abstracts, British Chemical Abstracts, Biological Abstracts, Ceramic Abstracts, Physics Abstracts, the Experiment Station Record, Agricultural Index, Industrial Arts Index, and the Engineering Index.

PATENTS. The file of the Official Gazette of the United States Patent Office is complete. Lack of housing facilities, as well as nearness to Washington, has precluded establishment of complete patent research files. However, the patent searcher will find helpful the new Patent Index to Chemical Abstracts 1907-1936, compiled by the Special Libraries Association in 1944, and the Abstracts of Chemical Patents Vested in the Alien Property Custodian, prepared jointly by the Chicago Section of the A.C.S. and the Special Libraries Association, and issued by the Alien Property Custodian in 1944.

SPECIFICATIONS AND MANUFACTURERS' LITERATURE. The specification file has been one of the most used and useful (to 3rd page