



THE CHESAPEAKE CHEMIST

JANUARY 1949

PUBLISHED BY THE
MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. 5 NO. 1

THE JANUARY MEETING

The January meeting will be held on Wednesday, January 26, at the Hopkins as usual. The speaker will be Rutherford J. Gettens of the Fogg Museum of Art and Harvard University, who will talk on "Chemistry in the Service of Art and Archaeology.". Mr. Gettens will present a brief history of work in this field and a survey of current activities, supplementing his discussion by slides and by observations made during a visit to Europe this summer.

Mr. Gettens received his training in chemistry at Middlebury College, which granted him a B.S. in 1923. He was an instructor in chemistry at Colby College from 1923 to 1927 and then went to Harvard for graduate work. He received his M.A. in chemistry from Harvard University in 1929, and the next year became a staff member of the Department of Conservation and Fellow for Technical Research at the Fogg Museum of Art. He has also recently been appointed Lecturer in Fine Arts at Harvard University. He was formerly associated with George L. Stout in editing the quarterly journal "Technical Studies in the Field of the Fine Arts," and is co-author, with George L. Stout, of "Painting Materials, a Short Encyclopedia.". In 1944-1945 Mr. Gettens was a staff member on the Manhattan Project at Los Alamos, New Mexico. During the summer of 1948 he was a Special Fellow of the Belgian-American Educational Foundation for study in Brussels.

Mr. Gettens' field of chemistry is one in which many chemists express interest, but one of which most chemists have very little knowledge. This meeting will afford a pleasant opportunity to remedy the situation. Members of the section are urged to invite any non-chemist friends who may be interested in this topic. Our guests at the meeting will include Baltimoreans interested in the fine arts and members of the College Art Association who will be holding their annual national meeting in Baltimore that week.

(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

THE CHESAPEAKE CHEMIST is published each month from September through May by the Maryland Section, American Chemical Society.
 Editor: Belle Otto, Goucher College, Baltimore 18, Maryland.

PUBLIC LECTURE ON SYNTHETIC FUELS

Since 1946 the Engineers Club of Baltimore, in cooperation with its affiliated organizations (of which the Maryland Section is one), has sponsored an annual public lecture on some important aspect of applied science. In 1946 Dr. J. O. Perrine of the American Telephone and Telegraph Company gave a demonstration lecture on "Radar." In 1947 Dr. L. F. Livingston, of DuPont's discussed "Research in Better Living." The 1948-1949 lecture will be given by E. V. Murphree, President of the Standard Oil Development Company, on Wednesday evening, February 2, at the Maryland Casualty Auditorium. Mr. Murphree will give a demonstration talk on "Fuels for the Future," and will consider technical progress and development in fuel manufacture, the economics of production and many other aspects of the synthetic fuel problem.

Each member of the Maryland Section will receive an invitation ticket for this lecture. Additional tickets may be secured upon request to the Engineers Club before Tuesday, January 25.

* * * * *

PHILADELPHIA MEETING-IN-MINIATURE

The third meeting-in-miniature of the Philadelphia Section will be held on Thursday, January 20, at the Broadwood Hotel, Broad and Wood Streets, Philadelphia. Registration (ACS members \$1.50, students \$0.75, non-member chemists \$3.00) will begin at 9:00 A.M. From 10:00 A.M. until noon, and from 1:30 to 3:00 P.M. about ninety contributed papers will be presented before six divisions: analytical, biological, industrial, organic, petroleum, physical. At 3:15 invited papers, each about 45 minutes long, will be presented concurrently by W. R. Kirner of the National Research Council, George A. Perley of Leeds and Northrup Company, and W. R. Schiessler of Pennsylvania State College; at 4:15, by John G. Aston of Pennsylvania State College and D. F. Othmer of Polytechnic Institute of Brooklyn. A social hour at 5:15 will be followed by an informal dinner (\$4.00 per plate) at 6:30, at which Edward R. Weidlein of the Mellon Institute will speak on "Trends in Industrial Research." A final detailed program will appear in Chemical and Engineering News in mid-January. Abstracts of papers presented will be available to registrants and others.

SECOND SEMESTER 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 both offer courses in chemistry and related subjects in their night classes for the second semester. At McCoy College, the following courses will be continued:

Physical Chemistry 3.110 Dr. Koski Tuesday
 Physical Chemistry Laboratory Practice 3.112 Dr. Koski Fri.
 Advanced Organic Chemistry 3.116 Dr. E. B. Reid Wednesday
 Analytical Organic Chemistry 3.118 Thursday
 Industrial Chemical and Gas Calculations 54.104 Dr. Witt Mon.
 Advanced Paint, Varnish and Lacquer Technology 54.120
 Mr. Sward Thursday

Three new courses will be offered in the second term. These are:
 Introduction to Electricity and Magnetism 17.304 Dr. Strong
 M., W. and F. 5-5:50

Kinetic Theory 17.318 Dr. Cox M., W. and F. 4-4:50
 Technical Analysis 54.102 Dr. Harris Tuesday

Further information may be obtained from McCoy College.

In the Baltimore Schools at the University of Maryland the lectures in General Chemistry will continue to meet on Monday with Dr. Vanden Bosche as instructor. Laboratory for the first half of this course will be given on Saturday morning. Dr. Estabrook's course in Thermodynamics will continue to meet on Wednesday. Chemistry 201-203, Rare Earth Elements, with Dr. Vanden Bosche as instructor, will meet on Tuesday and Thursday evenings. Two courses in bacteriology will be offered on Tuesday night with Dr. Shay as instructor. General Bacteriology will meet at 6:00 Pathogenic Bacteriology will meet at 7:00. Registration takes place February 7 to 12, and classes start February 14. Further information may be obtained from the Baltimore office of the University, Lombard and Greene Streets, Baltimore 1; Plaza 1100.

* * * * *

from page 1) The January Meeting

The dinner preceding the meeting will be held at the Johns Hopkins Club. Reservations must be made before noon on Tuesday, January 25, with Dr. A. H. Corwin, Department of Chemistry, The Johns Hopkins University, Baltimore 18 - telephone Hopkins 3300, Extension 322. The dinner is open to all members of the Section.

* * * * *

Recent additions to the books at Pratt Library include:

Alfred -- Mechanical Behavior of High Polymers (1948)
 American Physical Society -- Preparation and Characteristics of
 Solid Luminescent Materials (1948)
 Chymia: Annual Studies in the History of Chemistry Vol. I (1948)
 Gaydon -- Dissociation Energies and Spectra of Diatomic Molecules
 (1947)
 Guenther -- The Essential Oils Vol. I (1948)
 Hall -- Industrial Applications of Infrared (1947)
 Noyes -- Chemistry, a History of the Chemistry Components of the
 National Defense Research Committee, 1940-1946 (1948)



R. J. Gettens

NEXT MEETING Wednesday, January 26
TIME 8:30 P.M. (Note the change in day)
PLACE Room 101, Remsen Hall, Johns Hopkins,
 Charles & 34th Streets
SPEAKER Rutherford J. Gettens
SUBJECT Chemistry in the Service of Art
 and Archaeology
DINNER 6:30, The Johns Hopkins Club
 Charles & 34th Streets
The meeting is open to any who are interested.
Save Friday, February 25, for the next meeting.

CHEMICAL LIBRARIES IN BALTIMORE V.

Margaret L. Jacobs, Assistant
Industry and Science Department, Enoch Pratt Free Library

Sheppard T. Powell, Chemical Engineer, maintains a library in connection with the consulting laboratories of the Company at the offices in the Professional Building. Since the staff is engaged entirely in engineering investigations related to chemical engineering and in preparation of reports and specifications, the library research is of vital importance as a means of discovering the best current practice and the work of other investigators. It is also a necessary adjunct to the preparation of papers for technical journals, of which the firm contributes several every year. During the war, the Company was retained as consultant on water problems for all the manufacturing units operating under the Rubber Reserve Company. Recent developments in the Stream Pollution Abatement Program have given added emphasis to work on industrial waste for clients in many states.

The selection in books is dominated by material bearing on problems related to water, such as purification, analysis, corrosion and power plant engineering. The commonest applications are to the public utilities, paper, textile, oil refining and metallurgical industries. The Company library contains approximately one thousand volumes, and twenty-five periodicals are received. These include Journals and Transactions of the American Chemical Society, the Institute of Chemical Engineers, American Society for Testing Materials, American Society of Mechanical Engineers, the British Institute of Chemical Engineers and other organizations in the fields of water and sewage work. Files of the U. S. Public Health Abstracts and Reports, and publications of the United States Geological Survey and the U. S. Bureau of Mines are maintained. Because of unavailability of central library space, the books are grouped generally by subjects and distributed throughout the office in accordance with the greatest convenience and use. The lack of a special librarian, central library room and other facilities and the heavy pressure on the available personnel make it necessary to restrict the use of this library, but material is reproduced photostatically for clients from time to time or used as a basis for answering inquiries that may be made.