

JANUARY 1952

THE CHESAPEAKE CHEMIST



PUBLISHED BY THE
MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. 8 NO. 1

THE JANUARY MEETING

The next meeting will be held on Friday, January 25, at 8:30 on the Homewood Campus of The Johns Hopkins University. Dr. Robert D. Stiehler of the National Bureau of Standards will speak on "The Present Status of Rubber Technology".

Despite the discovery of vulcanization over a century ago, rubber technology today is still more of an art than a science, though substantial progress has been made. Dr. Stiehler will survey present knowledge of the chemistry of polymerization, mastication, vulcanization and degradation of rubber and will compare the molecular structure and properties of natural and synthetic rubbers, achieving thereby a mid-twentieth century definition of rubber.

Dr. Stiehler, a native of New York, attended Rensselaer Polytechnic Institute, then did graduate work at The Johns Hopkins University. From "The Hopkins" he received the Ph.D. degree in 1933. He spent a year as a National Research Council Fellow at California Institute of Technology, then returned to The Johns Hopkins School of Medicine as Research Fellow in Ophthalmology (Research Chemist). From 1939 to 1942 he was a research chemist with B. F. Goodrich Company. During the war years he served first as Senior Chemist, Climatic Research Laboratory, Quartermaster Corps, and then as Technical Assistant, Rubber Reserve Company, where he was responsible for process and quality control of synthetic rubber production. In 1946, Dr. Stiehler joined the staff of the Bureau of Standards, where he has been Chief of the Testing and Specifications Section since 1948.

A dinner in honor of the speaker will be served at 6:30 at the Johns Hopkins Club, and is open to members of the Section and their guests. Reservations should be made by Wednesday noon, January 23, with Dr. W. H. Hartford or with Mrs. Glantz at Mutual Chemical Company, Baltimore 31, phone ORleans 0555.

Section Officers

Chairman Leslie Hellerman, Department of Physiological Chemistry, Johns Hopkins School of Medicine, Baltimore 5
 Vice-chairman Winslow H. Hartford, Mutual Chemical Company of America, Baltimore 34
 Secretary H. H. Lloyd, Goucher College, Baltimore 4
 Treasurer E. A. Metcalf, 907 Litchfield Road, Baltimore 42

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.

MARYLAND SECTION ACTIVITIES

Dr. Leslie Hellerman, our new chairman, has announced the personnel of committees which will assist in carrying on the work of the Section. These men and women deserve active cooperation in their efforts to increase the value of the ACS to Marylanders.

Program Committee - Winslow H. Hartford, chairman, Evans B. Reid, E. A. Metcalf

Membership Committee - C. Jelleff Carr, chairman, Sylvan Forman, M. F. Mallett. Dr. Carr hopes that individuals will volunteer to act as representatives of the committee in their various laboratories. Anyone willing to serve should communicate with Dr. Carr, Department of Pharmacology, School of Medicine, University of Maryland, Baltimore 4. The labor will be minor, but of great usefulness.

Publicity Committee - Stephen Hubard, chairman, Charles E. Brambel, Winslow H. Hartford

Publications Committee - Belle Otto, chairman, A. H. Corwin, Committee on National Nominations and Awards - Giles B. Cooke, chairman, Evans B. Reid, William H. Summerson

Committee on the Remsen Memorial Lectureship - Robert D. Fowler, chairman, Detlev W. Bronk, Leslie Hellerman, Huntley Lloyd, Fitzgerald Dunning, John C. Krantz, Jr., Channing W. Wilson. The committee will welcome suggestions about the choice of the Remsen Lecturer for this year.

Hospitality Committee - Ray Costa, chairman, George Melville, Marguerite Schmidt, Lloyd Felton, Anne Elizabeth Sturmfels
 Committee on Special Interests - George P. Hager, chairman, J. C. Ahlberg, F. C. Hettinger, Evans B. Reid, J. N. Gryder, H. C. Freimuth, R. M. Burgison

On February 29 the Section will hold its second meeting-in-miniature. The meeting will be held in two sessions, the first starting at 5:00 P.M., with dinner later to afford a break for relaxation. During the sessions, papers will be presented simultaneously in each of three sections - inorganic, analytical and physical; industrial and engineering; and organic, biological and medicinal. A complete program will appear in the February issue of The Chesapeake Chemist. Dr. George P. Hager is in general charge of the arrangements.

Dr. H. H. Lloyd, secretary of the Section, reports that our ACS membership stood officially at 824 on December 1, and hence the Section is entitled to four Councillors in 1952.

EXECUTIVE COMMITTEE NOTES

A meeting of the Executive Committee was held on November 28, 1951, at the home of Chairman Charles E. Brambel. Fifteen members were present.

The chairman extended greetings to the incoming officers and expressed best wishes for their success in 1952.

Plans for the special interests group meetings, to be held on February 29, 1952, were presented by Chairman Hager. Of several alternative programs discussed, the one that was favored consists of (1) a late afternoon session involving analytical and inorganic; industrial and engineering; and organic, biological and medicinal chemistry; (2) a subscription dinner, possibly in Levering Hall Cafeteria; (3) an early evening session involving physical; industrial and engineering; and organic, biological and medicinal chemistry; (4) finally, displays and refreshments. Of the various possibilities for displays, the one that was favored consists of safety equipment for both individuals and groups, with emphasis on protection against unforeseen hazards. A number of sources of suitable material was suggested, and it was decided to put the displays in the hands of a special group, including Mr. Hermann Bittner. A vote of confidence and thanks was extended to George Hager and his committee. (See page 2 of this issue.)

A report for 1951 was submitted by Winslow Hartford for the Committee on Publicity. A vote of thanks was extended to this committee for its excellent work on the 75th anniversary meeting.

The incoming chairman, Leslie Hellerman, presented a number of names for 1952 committee personnel and, at his request, was given other names for his consideration. (The persons finally appointed are listed on page 2 of this issue.)

The incoming vice-chairman, Winslow Hartford, discussed plans for future meetings. In addition to the fixed meetings in May (Remsen) and October (Army Chemical Center) and the special interests group meetings (February), it was agreed to arrange meetings in Frederick and Westminster in alternate years, and to omit plant trips unless something attractive comes up.

There was discussion of the possible value of a Maryland Section archivist, who might attempt to secure historical items of interest from members who were associated with the Section in its early days. This activity might well find outlet in The Chesapeake Chemist.

The secretary was asked to read Mr. Emery's reply to the letter authorized by the Executive Committee at its June meeting, relative to the dual use of National Register names. Following discussion, it was voted to transmit the letters to the Council Committee on Membership Affairs and to send Mr. Emery a copy. (The chairman appointed a small committee to handle this matter, and this committee carried out the instructions as voted.)

H. H. Lloyd, Secretary



Dr. Stiehler

NEXT MEETING January 25 TIME 8:30 P.M.
 PLACE Room 104, Remsen Hall, Johns Hopkins,
 Charles & 34th Streets
 SPEAKER Dr. Robert D. Stiehler
 SUBJECT Present Status of Rubber Technology
 DINNER 6:30, The Johns Hopkins Club,
 Charles & 34th Streets

The meeting is open to any who are interested.
 SAVE Friday, February 29, for a meeting-in-mini-
 ature beginning at 5:00 P.M. See page 2.

REPORT OF THE TREASURER

Maryland Section, American Chemical Society
 January 1 to December 31, 1951

Cash balance in bank, January 1, 1951 \$ 780.85

Receipts:

1. Apportionment of A.C.S. funds	\$1,374.50	
2. Commissions for new members	32.50	
3. Maryland Section dues 1951	331.00	
4. Contributions during 1951 to Remsen Memorial Lectureship	303.00	
5. Interest on U. S. Govt. bonds	17.50	
	<u>\$2,058.50</u>	2,058.50
		<u>\$2,839.35</u>

Expenditures:

6. Share of cost of Technical Societies Joint Meeting (Feb.)	34.68	
7. Remsen Memorial Lecture (May)	403.74	
8. 75th Anniversary Meeting (Sept.)	170.82	
9. Army Chemical Center Meeting (Oct.)	76.67	
10. Six other meetings, incl. refreshments	187.72	
11. Printing "The Chesapeake Chemist" (nine issues)	477.36	
12. Other printing and stationery	104.50	
13. Secretarial mailing costs	98.75	
14. Postage mailing costs	176.05	
15. Expenses of officers and committees in conducting business of Section	73.57	
16. Miscellaneous	5.00	
	<u>\$1,805.86</u>	1,805.86
Cash balance in bank, December 31, 1951		\$1,033.49
United States Government bonds		700.00
Total resources (bank balance and bonds)		<u>\$1,733.49</u>

All financial obligations of the Section for the year 1951 have been met, insofar as the Treasurer is aware. The official paid A.C.S. membership as of December 1, 1951, is 821, compared with 763 a year ago. Of this latter figure, 331 (or 43%) paid local dues of \$1.00 and 287 (or 37%) contributed \$1.00 to the Remsen Memorial Lectureship during 1951. This response is very slightly poorer than that during 1950.

H. H. Lloyd, Treasurer