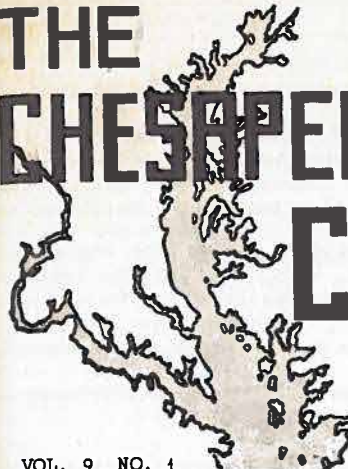


THE CHESAPEAKE CHEMIST



JANUARY 1953

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AMERICAN CHEMICAL SOCIETY

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THE JANUARY MEETING

The next meeting of the Maryland Section will be held on Friday, January 30, in Remsen Hall on the Homewood Campus of The Johns Hopkins University. The speaker of the evening will be Dr. W. J. Youden, statistical consultant to the scientific staff of the Bureau of Standards.

Dr. Youden was born "down under" in Australia, but was a resident of Connecticut at the age of seven. He took his bachelor's degree in chemical engineering at the University of Rochester in 1921 and was graduated with honors in mathematics, engineering, and chemistry. His doctoral thesis at Columbia University (1924) was on an analytical procedure for the determination of zirconium. In this same year the Boyce Thompson Institute for Plant Research at Yonkers, New York, was formally opened and Dr. Youden was appointed chemist to this group, which connection he held for 24 years. During this period he held a Rockefeller Fellowship at the Galton Laboratory, University of London, where he spent the year with the renowned statistician, R. A. Fisher. As a result Dr. Youden invented a useful group of experimental designs, now known as Youden squares. While at the Institute Dr. Youden designed a simple pH outfit for biologists which was widely used. He also constructed a glass electrode capable of measurements on less than 1/100 ml. of liquid. He served on the editorial board of the Contributors of the Institute and was finally chairman of the editorial group. Among his many cooperative researches at the Institute are included studies as diverse as tobacco virus, isoelectric points, soil sampling, sugar analysis, seed treatments, arsenic determination in apples, and greenhouse fumigators.

During the war Dr. Youden spent nearly three years overseas as a civilian operations analyst for the Air Force. For his contributions to the improvement of bombing accuracy, he received the Medal of Freedom, and continues as a consultant to various operations research groups in the military services. (to page 2

Section Officers

Chairman Winslow H. Hartford, Mutual Chemical Company
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Vice-chairman William H. Summerson, Chemical Corps,
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Secretary H. H. Lloyd, Goucher College, Baltimore 4
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THE CHESAPEAKE CHEMIST is published each month from September
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Editor: J. Lloyd Straughn, Western Maryland College,
Westminster, Maryland.

Associate Editor: Stephen S. Hubard, Davison Chemical
Corporation, Baltimore 3

AN EDITOR BEGINS

With this issue a new editor takes over. Congratulations to Belle Otto for a fine job, well done, during the past eight years. It was no easy task for one person; hers was the responsibility for obtaining material, for putting it in the proper form, and for meeting a deadline nine months of the year. These are only a few of her trials and tribulations. In addition she furthered the policy set forth by the publications committee of the CHESAPEAKE CHEMIST, namely, to implement a satisfactory relationship among the members of the section and to express the views of the members on matters of policy and interest both local and national. It has been a relatively easy job to take over. The outline is there - eight years of back issues, the knowledge and experience of the former editor, the cooperation of the membership of the Maryland Section and its officers, the help of an associate editor, and a capable printer, Oscar DeMeike. The new editor will continue the CHESAPEAKE CHEMIST as in the past, and, if improvements can be made, it is hoped that the present staff can accomplish them.

* * * * *

from page 4) The January Meeting

In 1948 he joined the National Bureau of Standards as a statistical consultant to the scientific staff. A year ago he was borrowed for 3 months by the National Physical Laboratory in England for similar work there. He is the author of a recent book "Statistics for Chemists".

Dr. Youden was a Councilor for the New York Section in 1937 and has been a member of the American Chemical Society for over 30 years. He is a member of Sigma Xi, Phi Beta Kappa, Phi Lambda Upsilon, Theta Chi, the Cosmos Club in Washington, the Academy of Sciences of New York, Virginia, and Washington, as well as numerous statistical organizations.

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 Tuesday, January 27, with Dr. W. H. Summerson at 501 W. University Parkway, Baltimore 40; by phone at TUXedo 8787 or BELmont 0400 and leave a message.

MARYLAND SECTION ACTIVITIES

The Engineers Club of Baltimore and its Affiliated Societies (of which the Maryland Section is one) will present an illustrated talk by Dr. Wernher von Braun on "Space Travel, When?" at the Maryland Casualty Auditorium on Thursday, February 12, at 8:30 P.M. Dr. von Braun's recent articles on rocket development and space travel, which have appeared in *Colliers Magazine*, have captured the imagination and interest of the nation. Radio and television shows, including the Johns Hopkins Science Review, presenting Dr. von Braun and his associates have increased this interest. This announcement takes the place of an individual invitation to the members of the Maryland Section.

Committee Chairmen. Dr. Winslow Hartford, our new chairman, has announced the committee chairmen for the Maryland Section for 1953. As members of the committees are still being appointed, the chairmen will welcome volunteers, who feel they could serve on a particular committee. Program - William H. Summerson; Membership - C. Jelleff Carr; Publicity - Stephen S. Hubard; Publications - A. H. Corwin; Nominations and Awards - Belle Otto; Hospitality and Meeting Attendance - Ray Costa; Remsen Memorial Lecture - Wm. Mansfield Clark. (This committee will welcome suggestions concerning the Remsen Lecturer for this year.) The committees on Special Interests, Chemical Education, and Manpower will continue as appointed last year.

Dr. A. H. Corwin of The Johns Hopkins University was the first of two speakers to appear before the New York Section on the program entitled "Chlorophyll on Review". Judging from the audience reaction and the publicity subsequently given to Dr. Corwin's technical report, considerable thought and (it is to be hoped) investigation has been stirred up on the present uses of chlorophyll and its derivatives. Keep pushing, Al. A report of the meeting appeared in *C&EN*, Dec. 15, 1952, page 5248. See also *C&EN*, Dec. 29, 1952, page 5447, for further comment by Dr. Corwin.

The Fourth Councilor. The Maryland Section lost a councilor. The divisor was raised from 260 to 280 for 1953, which meant 841 members were needed in the section to have four councilors. For the past two years we have been represented by four councilors. From December 1950 to December 1951 this section increased from 763 to 821. This past year the increase in membership was only 13 for a total of 834, seven members shy. The divisor may be raised again next year to keep the council at approximately 300. Let's increase our membership and get back the lost councilor.

The Philadelphia Section's Fifth Meeting in Miniature will be held at the Broadwood Hotel on Thursday, January 29. There will be papers presented before seven divisions: analytical, biological, chemical education, industrial, organic, petroleum, physical and inorganic. The day's program will conclude with a social hour from 5:15 to 6:15 P.M. and an informal dinner at 6:30. A specially invited guest will be the after-dinner speaker. A complete program will probably appear in *Chemical and Engineering News* sometime in January.



W. J. Youden

NEXT MEETING January 30 TIME 8:30 P.M.
 PLACE Room 104, Remsen Hall, Johns Hopkins
 Charles and 34th Streets
 SPEAKER W. J. Youden
 SUBJECT Statistics Serving the Chemist
 DINNER 6:30, The Johns Hopkins Club
 Charles and 34th Streets

The meeting is open to any who are interested.
 Save Tuesday, February 17, Farrington Daniels,
 President of the American Chemical Society.

REPORT OF THE TREASURER
 Maryland Section, American Chemical Society
 January 1 to December 31, 1952

Cash balance, January 1, 1952 \$1,033.49

Receipts:

1. Apportionment of A.C.S. funds	\$1,461.50	
2. Commissions for new members	16.25	
3. Maryland Section dues 1952	372.00	
4. Contributions during 1952 to Remsen Memorial Lectureship	328.00	
5. Sale of ACS stamps	3.00	
6. Interest on U. S. Govt. bonds	17.50	
	<u>\$2,198.25</u>	<u>2,498.25</u>
		<u>\$3,231.74</u>

Expenditures:

1. Prorated cost of Technical Societies Joint Meeting (Jan.)	\$ 41.31	
2. Remsen Memorial Lecture (May)	501.36	
3. Army Chemical Center Meeting (Oct.)	104.27	
4. Seven other meetings, incl. refreshments	207.20	
5. Printing "The Chesapeake Chemist" (nine issues)	572.22	
6. Expenses of officers and committees in conducting business of Section	69.03	
7. Stationery, supplies, postage, and gifts	444.55	
8. Secretarial expenses	142.50	
9. Affiliation fee, Engineering Club of Baltimore, Inc.	5.00	
	<u>\$2,087.44</u>	<u>2,087.44</u>

Cash balance, December 31, 1952	\$1,144.30
United States Government Bonds	700.00
Total resources (bank balance and bonds)	<u>\$1,844.30</u>

All financial obligations of the Section for the year 1952 have been met, insofar as the Treasurer is aware. The official paid A.C.S. membership as of December 1, 1952 is 834 compared with 821 a year ago. Of the present membership, 372 (45%) paid local dues of \$1.00 and 328 (39%) contributed \$1.00 to the Remsen Memorial Lectureship during 1952. This response in dues and contributions is somewhat greater than that during 1951.

E. A. Metcalf, Treasurer