

THE CHESAPEAKE CHEMIST

JANUARY 1954

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MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

THE JANUARY MEETING

The next regular meeting of the Maryland Section will be held Friday, January 22 in Remsen Hall on the Homewood campus of The Johns Hopkins University. Dr. Harry P. Gregor, Associate Professor of Physical Chemistry at the Polytechnic Institute of Brooklyn, will address the section on "Preparation and Uses of Ion-Selective Membranes."

Since 1946 Dr. Gregor has been in a distinguished center of research in the polymer field, the Polytechnic Institute of Brooklyn, and he personally is a recognized authority on the synthesis, properties, and industrial applications of ion-exchange resins. Since this field is so rich in detail, the speaker will deliberately accommodate his talk to an audience having varied interests. According to the abstract provided by Dr. Gregor, he will describe the preparation of ion-selective membranes, and then, from a consideration of their properties and of membrane theory, he will proceed to discuss the mechanism of ion behavior under selective influences. Various processes for the separation of solvent from electrolytic solutes will be considered, extending from de-watering procedures to the de-salting of electrolytic solutions. Particular attention will be given to the celebrated problem of making sea water potable, which is a special interest of Dr. Gregor.

Dr. Gregor is originally from Minneapolis, and completed his higher education at the University of Minnesota, receiving the B. S. degree in 1939 and the Ph. D. degree in 1945, after a period of six years as a Fellow in the University. Following a year as a research chemist at the Permutit Corporation, he joined the staff of the Polytechnic Institute of Brooklyn, where he has remained since 1946, and now has the rank of Associate Professor. His services in his special field have been sought by various Federal agencies, including the Office of Scientific Research and Development, on a contract basis. (to page 3)

SEE page 3 for an important "help wanted" notice!

Section Officers

Chairman William H. Summerson, Chemical Corps,
Army Chemical Center, Maryland
Vice-Chairman Belle Otto, Goucher College, Towson 4
Secretary J. E. Ahlberg, 3709 Kimble Road, Baltimore 48
Treasurer E. A. Metcalf, 907 Litchfield Road, Baltimore 42

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REPORT OF THE TREASURER

Maryland Section, January 1 to December 31, 1953

Cash balance, January 1, 1953		\$ 1,144.30	
Receipts			
Apportionment of ACS funds	\$ 1,481.00		
Commissions for new members	45.00		
Maryland Section dues for 1953	361.00		
Contributions to Remsen Lecture expenses	306.00		
Interest on U. S. Government bonds	47.50		
Miscellaneous	40.00		
	\$ 2,220.50	2,220.50	
		\$ 3,364.80	
Expenditures			
Pro-rated cost of technical societies joint meeting (Feb.) on documentation	42.50		
Remsen Memorial Lecture (May)	564.75		
Seven regular section meetings, including refreshments	291.45		
Printing nine issues CHESAPEAKE CHEMIST	707.62		
Section business expenses of officers and committees	48.32		
Stationery, supplies, postage, telephone calls, gifts	460.60		
Secretarial expenses	188.25		
Affiliation fee, Engineering Club of Bal- timore, Inc.	5.00		
Miscellaneous	12.00		
	\$ 2,290.49	2,290.49	
Cash balance, December 31, 1953		\$ 1,074.61	
United States Government bonds		700.00	
Total resources (bank balance and bonds)		\$ 1,774.61	

All bills received by the Treasurer for the year 1953 have been paid. Certain bills concerned with the December meeting are still outstanding. The number of members paying local section dues has decreased slightly from 1952 (372 to 361). A slightly larger decrease has occurred in the number contributing to the Remsen Memorial Lectureship (328 to 306).

E. A. Metcalf, Treasurer

from page 4) Report of Activities, Maryland Section, 1953

Part III, headed "General", cites the increased activities of the Hospitality Committee and the work of the Committee on Chemical Education (November issue) as new undertakings. Reference is made to the increased liaison with the Washington Section, to the proved importance of obtaining speakers who will discuss subjects of broad interest, and to the consideration being given to TV publicity for the Section.

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ATTENTION is called to the privilege of individual members of the Section to suggest possible candidates for the Remsen Lecture and award for 1954. Proposals may be made to any officer or other member of the local Executive Committee, who will register them with the Remsen Memorial Lecture Committee, now being formed.

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APPLICATIONS for national ACS membership should be routed (1) through the local secretary (now Dr. J. E. Ahlberg) or (2) through the chairman of the Membership Committee, Dr. C. Jelleff Carr, School of Medicine, University of Maryland. If this procedure is followed, the Maryland Section receives a financial rebate on each member obtained through the Section!

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HELP WANTED ON PLANNING TELEVISION PROGRAMS--Under the Executive Committee notes, page 5 of the December issue, it is stated that the committee appointed to develop possible radio and television publicity for the Section has been asked to formulate some possible TV programs, probably for scheduling on the Johns Hopkins Science Review. This committee urgently needs the help of anyone who has had experience in planning or executing action programs, particularly of the technical type. If you have had any experience that would help the committee to plan, be of real service to your section by communicating with the committee chairman, Dr. Sylvan Forman, Emerson Drug Co., Baltimore. If you fail to reach him, any member of the Executive Committee will be glad to act as an intermediary. We need your help, now!

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from page 1) January Meeting

Dr. Gregor has been active in the field of polarography, in addition to his work on ion-exchange and other colloidal membranes.

DINNER reservations must be placed by January 19 (Tuesday) with Dr. Belle Otto, Goucher College, Towson 4, telephone Valley 5-3305, and are preferably paid for in advance (\$2.25). You may include guests in your reservations, and indicate a choice between meat and fish for the main course.

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Dr. H. P. Gregor

NEXT MEETING January 22 TIME 8:30 P.M.
 PLACE Remsen Hall 104, Johns Hopkins
 Charles and 34th Streets
 SPEAKER Dr. Harry P. Gregor
 SUBJECT Preparation and Uses of
 Ion-Selective Membranes
 DINNER 6:30, The Johns Hopkins Club
 Charles and 34th Streets

The FEBRUARY meeting date is not yet fixed, because of negotiations under way to obtain President Fisher as the speaker. Members will be informed as soon as possible.

REPORT OF ACTIVITIES, MARYLAND SECTION, 1953
 (Brief)

The following material is based upon the subject report submitted to the Executive Secretary in Washington by Dr. Hartford, the section chairman for 1953. A number of items in this report have been discussed in some form in previous issues of THE CHESAPEAKE CHEMIST, and will not be reviewed here.

Part I deals with Members and Associates. The section membership has increased from 835 to 897 between December 1, 1952 and the same date in 1953; this represents real growth, since the net increase from boundary readjustment is only 12. (This entitles the section to four councillors for 1954). One interesting scheme used by the Hospitality Committee to promote attendance at meetings is to work through the local service representatives of laboratory supply houses, by making them members of the Committee, and utilizing their numerous contacts to publicize section activities. The notices in the local section publication are supplemented by multilithed announcements sent to all the larger laboratories for posting...The Executive Committee consists of 15 elected members, and chairmen of appointed committees attend its meetings frequently. Other committee members and persons who give papers at group meetings bring to about 50 the total participating directly in section affairs. As a percentage of section membership, this represents a slight increase over previous years.

Part II reports the activities. Four out of nine meetings were of a special nature (Camp Detrick, Remsen Lecture, Family Night, and the Group Interest meeting). Attendance (average, 14 per cent of membership) was slightly below that of 1952, but the variation from meeting to meeting was much less...In addition to familiar activities, attention is called to the one-day symposium on "Machine Techniques in Scientific Documentation" sponsored jointly by the Section, the American Documentation Institute, and the Medical Indexing Project. The Section continues to be represented on the Associate Council of the Engineers' Club of Baltimore, and the Engineers' Council on Professional Development...The Committee on Nominations and Awards has presented a full slate of candidates for various Society offices and awards...The three student affiliate groups in the area receive THE CHESAPEAKE CHEMIST, and obtain speakers from the Section membership. (to page 3

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