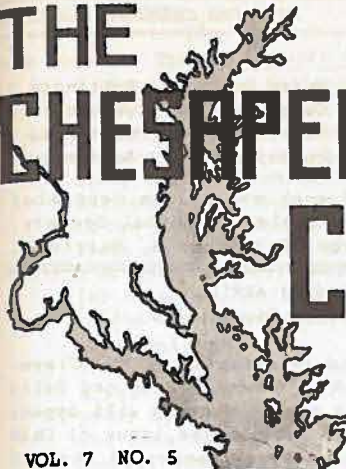


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THE CHESAPEAKE CHEMIST



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THE SIXTH REMSEN LECTURE

May 25, 1954

Dr. Hugh Stott Taylor

on

"Solid State Physics and Catalysis"

The Remsen Memorial Lecture was established by the Maryland Section of the American Chemical Society in 1946 on the one hundredth anniversary of the birth of Ira Remsen. The Lectureship was inaugurated as a fitting and lasting tribute to Ira Remsen, first Professor of Chemistry and second President of The Johns Hopkins University, in memory of his contribution to American chemistry as an influential author, inspiring teacher, stimulating investigator and wise administrator.

The first Remsen Memorial Lecturer in 1946 was Dr. Roger Adams, and he has been followed by Dr. Samuel C. Lind, Dr. E. V. McCollum, Dr. Joel H. Hildebrand and Dr. E. C. Kendall. The sixth Remsen Memorial Lecture will be delivered on Friday, May 25, by Dr. Hugh Stott Taylor, Dean of the Graduate School of Princeton University.

The Remsen meeting will begin with a special dinner in honor of Dr. Taylor, to be held at the Johns Hopkins Club at 6:30. All members of the Section are urged to attend and to bring their guests. Formal dress will be optional. Reservations should be made on the card mailed with this issue of The Chesapeake Chemist.

The meeting will be continued in Room 1 of Remsen Hall at 8:45, when Dr. Francis Owen Rice will introduce the Remsen Memorial Lecturer and Dr. Taylor will deliver his address on "Solid State Physics and Catalysis". The Remsen Memorial Lectureship Award will be presented to Dr. Taylor by Dr. Charles E. Brambel, Chairman of the Maryland Section.

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 Editor: Belle Otto, Goucher College, Baltimore 4, Maryland.

THE ACS COUNCIL MEETING IN APRIL

Report of the Maryland Section Councillors

The Maryland Section of the ACS was represented at the Cleveland meeting of the Council on April 9 by Duncan MacRae and Belle Otto. Detailed reports of some aspects of the meeting will appear in C&EN, and the minutes will appear in full in the issue of C&EN for May 28, 1951. Your councillors urge every member of the ACS to read these reports. The strength of the ACS, like that of any active democratic organization, is determined by the informed interest and activity of its members.

A number of items were discussed on which decisions were postponed until the September meeting. On these questions particularly your councillors will welcome expressions of opinion, which should be sent to any officer of the Section (see the top of this page) or to any Maryland Councillor or to the Washington office of the Society. Maryland Councillors for 1951 are:

Dr. A. H. Corwin, The Johns Hopkins University, Baltimore 18; phone HOPkins 3300, ext. 322. Home phone HAMILton 3602.

Dr. John C. Krantz, Jr., The University of Maryland, Baltimore 4; phone PLaza 4400. Home phone TOWson 3969.

Dr. Duncan MacRae, Army Chemical Center, Maryland.
 Home phone Bel Air 788W.

Dr. Belle Otto, Goucher College, Baltimore 4; phone TOWson 6004.

Since the September meeting of the Council will occur before any fall meetings of the Maryland Section, your ideas should be sent in well before September, and preferably should be expressed now, while you are reading and thinking about these problems. Your councillors feel honored by your trust in their wisdom, but they would much prefer to know what you think before they vote.

One problem with which the Society has struggled long and hard is the location for national meetings. The Board of Directors, the Washington office, the Council Policy Committee and the Committee on National Meetings and Divisional Activities are all working on this. Some of their deliberations are based upon the answers to a questionnaire on this subject sent to a random ten percent of ACS members. The analysis of the answers will appear soon in C&EN, and deserves careful reading. Under consideration at present is a proposal to hold one national meeting, the annual business meeting, each fall, probably in Atlantic City, Chicago or New York, since these are considered the only cities with adequate hotel accommodations and meeting rooms. As far as the spring meeting is concerned, alternatives include: (to page 3

from page 2) The ACS Council Meeting

- (1) a second single national meeting, held, like the first, in one of the three cities mentioned.
- (2) a second single national meeting at a place remote from the eastern seaboard or Chicago, so that members living in these areas could conveniently attend occasional meetings. Travel distance would keep attendance down to a number manageable in the smaller community, since member concentration in these regions is not high.
- (3) a divided national meeting, divided either by
 - (a) location, so that meetings are held at different times in two widely separated cities, which is the device in use in recent years, or
 - (b) time, a new proposal to have the meeting in one medium sized city, and to divide the load on hotels and meeting rooms by having some divisions meet during the first week and some during the second, with business sessions of the Society scheduled during the intervening week end.
- (4) no national spring meeting, letting the need for scientific sessions be met by regional and divisional meetings.

A proposal to try a meeting at a university campus, such as was done often a few years ago, is also being considered.

The question of mandatory licensure is becoming a factor in more and more states, and a special committee is investigating this problem. In September, they will make a report and recommendations. How do you feel about this perplexing matter?

Related to the foregoing are questions as to the desirability of stiffer membership requirements for the ACS, or the creation of a professional grade of membership within the Society. These are questions which are always in the background, but they will be in the foreground in September.

One national problem of increasing complexity and difficulty is the matter of scientific manpower. Dr. Charles L. Thomas, past president of the ACS, present chairman of its Board of Directors and Chairman of the Scientific Manpower Advisory Committee of the National Security Resources Board, presented a frank report of the present situation. Dr. Thomas' analysis and subsequent discussion from the floor indicated that the problem is now in the realm of high politics, and that there is not much more the ACS can do in Washington. There is hope, however, that Local Sections can cooperate in starting a local groundswell through local newspapers and discussion, which will influence Local Draft Boards. Local Sections might well appoint Manpower Advisory Committees to confer with small industries and employers and advise them in their approach to Draft Boards when the deferment of essential scientific manpower is at stake. There was discussion of the means by which the Washington office might be of help to Local Sections in this respect. The importance of civic service on the part of scientists was stressed, since we can hardly expect the public to listen to our requests for special consideration on the basis of our special training, when we will not put that special training to work in those phases of public defense activity and public life where we can excel.

NEXT MEETING Friday, May 25 TIME 8:45 P.M.
PLACE Room 1, Remsen Hall, Johns Hopkins, Charles & 34th Sts.
PROGRAM The Remsen Memorial Lecture, Dr. Hugh Taylor, Speaker
SUBJECT Solid State Physics and Catalysis
The meeting is open to anyone who is interested in attending.
DINNER Johns Hopkins Club, Hopkins Campus, at 6:30 P.M.
The dinner is open to members of the Section and their guests.
Reservations should be made on the enclosed card.

THE REMSEN MEMORIAL LECTURER - DR. TAYLOR

Hugh S. Taylor is Dean of the Graduate School in Princeton University. He is English by birth and was educated at Liverpool University where he received the degree of Doctor of Science in 1914. His post-graduate studies were made at Liverpool University, the Nobel Institute of Stockholm and the Laboratory of the Technische Hochschule at Hanover. He came to Princeton University in 1914 as Instructor in Chemistry and was made Professor of Chemistry in 1922 and David B. Jones Professor in 1927. He was Chairman of the Department of Chemistry from 1926 to February 1951. During World War II he acted successively as liaison officer between Canadian and American science, as director of a research project on heavy water production and finally as Associate Director of the SAM Laboratories at Columbia University and in charge of barrier development for the Kellogg Corporation of New York City.

Dr. Taylor was elected to the Royal Society of London in 1932 and to the Pontifical Academy of Sciences, Vatican City, in 1937. He has received honorary degrees of Doctor of Science from many universities, and has been elected a foreign member of academies and societies in Italy, France, Belgium and Poland. He is an Honorary Fellow of the Chemical Society of London. This year he is President-elect of Sigma Xi. In recognition of his research work in the field of catalysis he has received the Nichols Medal of the American Chemical Society, the Mendel Medal at Villanova College, the research award and plaque of the Research Corporation of New York, the Franklin Medal of the American Philosophical Society and the Longstaff Medal of the Chemical Society of London.

Dr. Taylor is the author of numerous textbooks on catalysis and physical chemistry. "Taylor's Treatise" is well known to every chemistry student. To various American and European scientific journals he has contributed many papers dealing particularly with catalysis at surfaces, photochemistry and the mechanism of chemical reactions.

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HELP WANTED!

CHEMISTS AND CHEMICAL ENGINEERS -- to work on Maryland Section Membership and Hospitality Committees. Assistance is urgently needed for the 75th Anniversary campaign. Contact Raymond L. Costa, Mutual Chemical Co., 1348 Block Street, Baltimore 31, phone ORleans O555.