



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XXVII

OCTOBER, 1971

NUMBER 7

SCIENCE AND POLITICS

OCTOBER MEETING

5:00 p.m.

Dr. P.W. Bachman

8:30 p.m.

Dr. T.B. Owen

October 20, 1971

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OCTOBER MEETING

SCIENCE AND POLITICS



Paul W. Bachman

DATE:

WEDNESDAY, OCTOBER 20, 1971

PLACE:

Eudowood Gardens Lecture Room, Eudowood Plaza, Joppa Road near Goucher Boulevard.

SPEAKERS AND TOPICS:

5:00 P.M. Dr. P.W. Bachman, Retired, Koppers Co., Inc. "Research and Politics"

8:30 P.M. Dr. T.B. Owen, Asst. Director, Nat. and Internat. Program of N.S.F. "Research and Profit"

SOCIAL HOUR:

There will be a social hour after the meeting. Refreshments will be served.

OCTOBER, 1971

COCKTAILS AND DINNER:

Eudowood Gardens Dining Room. Price is \$5.50 per person for cocktails (6:30-7:15, unlimited quantity) and hot buffet dinner (7:15). Students and their spouses may attend the dinner for \$3.00. Reservations are necessary for the dinner, and should be made with Mr. Allen Bednarczyk, McCormick and Co., Inc., 204 Wight Avenue, Cockeysville, Md. 21030, phone 666-3155, by Friday preceeding meeting.

It is not necessary to be a member of the American Chemical Society to attend the dinner or the talks, and the talks may be attended without attending the dinner.



Thomas B. Owen

FALL SESSIONS

ACS SHORT COURSES

COMMUNICATION SKILLS FOR CHEMISTS AND CHEMICAL ENGINEERS

Nov. 19-20 - Philadelphia, Pa. Sponsor, Philadelphia Section.

Dr. Frederick G. Sawyer; fee \$100, including lunches.

This course introduces the principles and techniques of effective communication via the written and spoken word. It is designed primarily for industrial chemists and chemical engineers who want to improve their skill in communicating the results of research, development, production, and marketing.

INTERFACING THE MINICOMPUTER

Oct. 22-23 - New York City area. Dr. Raymond E. Dessy and David G. Larsen; fee \$120, including lunches.

This course demonstrates in detail how to interface analytical equipment and other instruments to a minicomputer. The goal is to enable the registrant to build his own multipurpose interface. The basic building blocks of an interface are displayed in actual operation. Then various interface packages are assembled, with closed circuit TV being used to allow viewing of all steps. Multiplexing, device-code addressing, computer timing cycles, and ADC/DAC elements are emphasized. Registrants should have some background in instrumentation.

To register or obtain complete information on the courses, please write to Education Department, American Chemical Society, 1155 - 16th St., N.W., Washington, D.C. 20036. During the two-week period prior to a course, registration should be made by telephone: area code 202, 737-3337 ext. 258.

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FEBRUARY 14-17, 1972

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THE CHESAPEAKE CHEMIST

DR. P. W. BACHMAN

Paul W. Bachman was born in Newport News, Virginia on August 28, 1899. In 1923, he received his B.S. degree from Johns Hopkins University and in 1926 earned his Ph.D. in chemistry from the same university. After graduation, Dr. Bachman spent two years as a research chemist at E.I. DuPont De Nemours and Company after which he spent the following three years with the General Chemical Company. During the years 1931-1937, Dr. Bachman was employed by the Victor Chemical Works. In 1937, he returned to the General Chemical Company and resigned in 1942 to become the Assistant Director of Research of the Commercial Solvents Company. In 1946, he was promoted to Manager of the Technical Research Division of the Commercial Solvents Corporation.

Later, Dr. Bachman held Vice Presidencies of Research and Development for the Davison Chemical Corporation and Koppers Company, Inc. During his administration at Davison, what is now the Washington Research Center of W. R. Grace and Company was initiated. Similarly, the Monroeville Research Center of the Koppers Company was brought into being.

Dr. Bachman's experience includes the Executive Vice Presidency of the Industrial Hygiene Foundation and the Chairmanship of the Research Committee and the membership on the Board of Directors of the National Association of Manufacturers. Dr. Bachman also served on the eight-man General Advisory Committee to the Select Committee on Government Research of the United States House of Representatives - 88th Congress. Dr. Bachman is also the author of a book "Research For Profit" (published by the Ronald Press Company) which will serve as the basis for his lecture.

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RESEARCH FOR PROFIT

Dr. Bachman will discuss profits resulting from profit-motivated research to the cost thereof, and its presentation in a form capable of being readily understood by both management and scientists. Research for the sake of research will not be included in the presentation for the criteria involved in evaluating such research differ substantially from those involved in evaluating research undertaken for profit.

In view of the unsettled employment conditions of scientists in industry and the decrease in research grants to universities, perhaps it is time to ask "What returns are we getting on our expenditures for research?" "If the returns are not satisfactory, why are they not satisfactory?" "How well does management understand that which the researcher seeks to achieve and the problems associated therewith?" Perhaps the time has come to be constructive and openly talk about the problem - then act.

CALL FOR NOMINATION OF OFFICERS

In compliance with By-law VI, Sec. 4(b) of the Maryland Section of the American Chemical Society, the names of the members of the Nominating Committee for the election of officers, councilors, and members-at-large of the Executive Committee for the calendar year 1972 are listed below in order that members may suggest suitable candidates to them. A candidate so suggested to the Nominating Committee must first have given consent to such nomination.

The members of the Nominating Committee are:

Allen Bednarczyk.....Chairman
McCormick & Co.
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Joseph Cogliano.....W. R. Grace

Eli Freedman.....Aberdeen

Melvin Miller.....Loyola College

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DR. T. B. OWEN

Thomas B. Owen was born in Seattle, Washington on March 19, 1920. He received his B.S. in Chemical Engineering from the University of Washington in 1940. From 1946-1947, he attended the U.S. Naval Postgraduate School and received his Ph.D. in Chemistry from Cornell University in 1950. During the years 1950-1951, Dr. Owen attended the University of Amsterdam, Netherlands. He also attended the Industrial College of Armed Forces (1961-1962) and the Harvard Graduate School of Business Administration (1964).

In 1940, Dr. Owen joined the U.S. Navy and had various sea and shore assignments until 1960 when he was appointed Director, Research and Development Planning Division, Bureau of Ships. In 1962, he joined the Staff of Directors, Defense Research and Engineering, leaving the position in 1963 to become Director, Support Services, Naval Research Laboratory. In 1965, Dr. Owen was made Director of Naval Research Laboratory and became Chief of Naval Research in 1967. In June, 1970, he became Assistant Director, National and International Programs, of the National Science Foundation.

Dr. Owen is a member of the ACS, AAAS, the U.S. Naval Institute, the Philosophical Society of Washington, the Harvard Business School Club of D.C. and several honorary societies. Dr. Owen, his wife and four children reside in Chevy Chase, Maryland.

SCIENCE POLICY AND POLITICS

The speaker will consider the formulation of science policy as it is influenced by national and international political considerations. Science policy is not an end unto itself, but is rather a derivative of national policies and goals. The latter must be generally delineated before science policy itself can be definitized. The interaction between science policy and politics is an iterative one. Neither can be made without consideration of the other. Reference will be made to the role of the scientist as contrasted with that of the engineer, administrator, and the politician in the formulation of policies related to science.

MARYLAND SECTION NEWS

JOHNS HOPKINS UNIVERSITY

Dr. Brown L. Murr and Dr. Harris J. Silverstone have been promoted to Full Professors of Chemistry.

ESSEX COMMUNITY COLLEGE

Dr. Carl Minnier, Chairman of the Chemistry Department, has been promoted to Associate Professor.

Mr. Richard Angerer, Assistant Professor of Chemistry, was selected to participate in a six-week summer institute at Coppin in the use of instructional media in teaching.

MORGAN STATE COLLEGE

Each year the ACS Council Committee on Chemical Education reviews the activities of the ACS student affiliate chapters and selects for special commendation those which have compiled outstanding records during the year. Morgan State has been one of the few (41 out of a total of 536) chapters selected for their excellence in the 1970-71 academic year.

FORT DETRICK

Dr. Frank B. Anastasia has received an Army Commendation Medal for his research efforts with cacodylic acid and other arsenicals which are vegetation control agents.

IF YOU CHANGE YOUR ADDRESS . . . Please do not notify the Editor of the *Chesapeake Chemist*, but send your new and old addresses to: The American Chemical Society, 1155 Sixteenth Street, N. W., Washington, D. C. 20036. The Maryland Section will then be notified.

ACS CHARTER FLIGHT

AMERICAN CHEMICAL SOCIETY CHARTER FLIGHT PROGRAM

ANNOUNCEMENT OF 1972 CHARTER FLIGHT TO HELSINKI, FINLAND

The Polymer Division of the ACS is planning a round trip charter flight by Scandinavian Airlines (SAS) First Class Jet from New York to Helsinki for the summer of 1972. The flight is timed to coincide with the IUPAC Macromolecular Symposium to be held in Helsinki, July 2-8, 1972. Any regular or affiliate member of the Polymer Division of the ACS may participate in this flight as well as spouse, children and parents living at the same address. A total round trip cost of \$230.00 or less is anticipated. As in past years, all funds not committed to the actual cost of the flight will be refunded to the participants.

The dates for this flight will be as follows:

EASTBOUND, June 30, 1972	New York JFK to Helsinki
WESTBOUND, July 23, 1972	Helsinki to New York JFK (with a brief stop in Copenhagen).

The Copenhagen stop on the return flight will make it possible for participants traveling to other European points after the Symposium to pick up the return flight at a more convenient city.

Round trip reservations are made by mailing \$100 deposits per seat. All checks should be made payable to ACS POLYMER 1972 CHARTER. The mailing address is:

Dr. Charles A. Garber
Structure Probe, Inc.
535 E. Gay Street
West Chester, Pa. 19380

Several organized tours (with ground arrangements) are also being offered as an option to participants of this program at a cost significantly less than if similar arrangements were made on an individual basis. The Leningrad Tour will be a 4-day trip, via boat, to the USSR; the Arctic Tour will be a 4-day trip, via boat, to the Arctic Circle to view the Northern Lights. Those interested in tours should contact Dr. Garber.

-----Tear-Out Dinner Reservation Form-----

There is enclosed \$..... (\$5.50 per person)* for cocktails and dinner at Eudowood Caterers, Eudowood Plaza, for the following persons.**

Name	(Please print or Typewrite)	Affiliation
------	-----------------------------	-------------

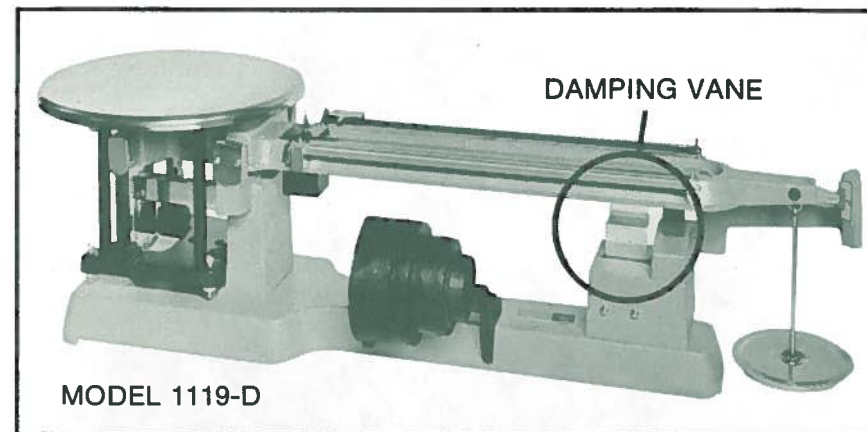
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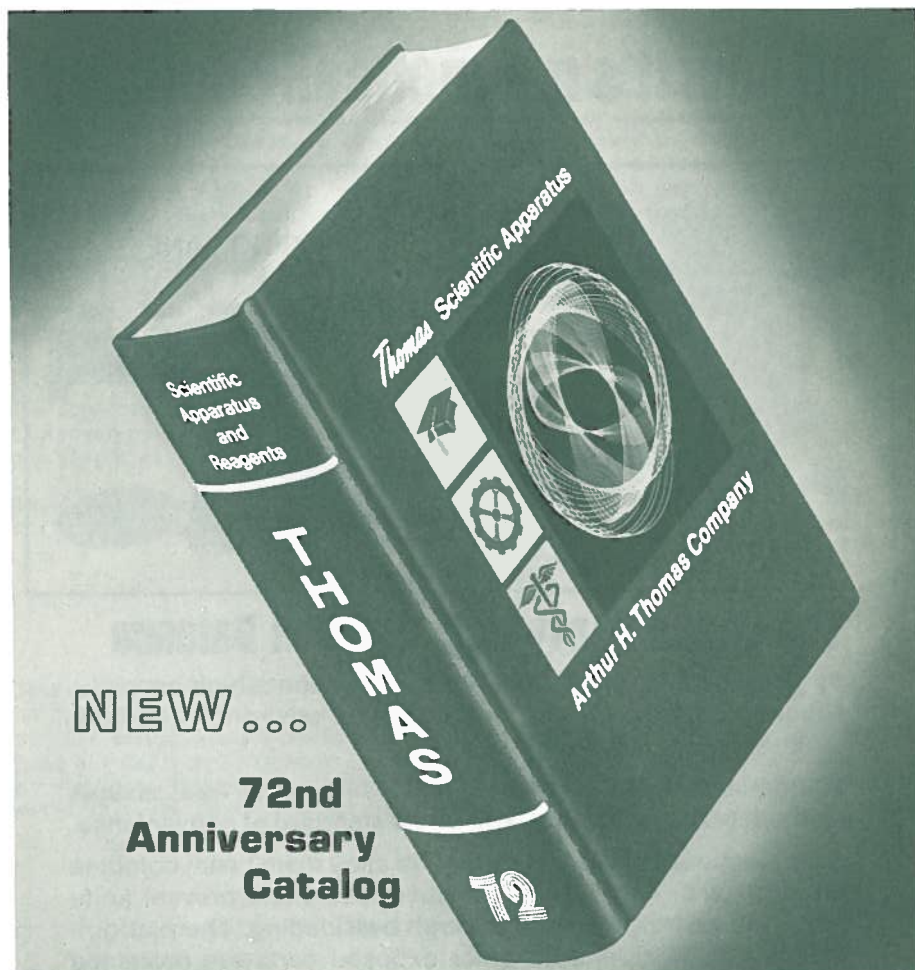
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