



# THE CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XXXVII

NOVEMBER, 1981

NUMBER 8

## EXECUTIVE COMMITTEE MINUTES

The Executive Committee of the Maryland Section was convened at 7:30 pm on September 2 at the Knott Science Center, Notre Dame College, by the Chairman, Elwin Penski. The following members were present: A. Bober, R.L. Caret, J. Cogliano, H. Cohen, M. Eiss, D. Hoster, F. Hummel, D. Jones, J. Kaufman, M. Kirk, H. Klapper, T. Parr, R. Petersen, N. Phillips, D. Roswell, C. Rowell, R. Rebbert, E. Silversmith, J. Stevens, and Sister Mary Vincent. The minutes of the May meeting were read and approved.

*Treasurer.* Mr. Klapper presented an account of expenses from January 1, 1981 to September 2, 1981. Most of the funds are now in an Investment Trust account, which pays 18% interest. The balance on hand is \$18,223.27. A check was received from the ACS for \$1,181.00, for new members; this was unexpected. The only outstanding bills are: Remsen Award dinner has not been received; Councilors' expenses, New York meeting.

*Chairman.* Mr. Penski reported the following items of interest:

1. The Executive Officers met at McCormick and Co., Hunt Valley Research Center on August 20 to discuss the recommendations of the Awards Committee for the Maryland Chemist Award for 1981. It was decided to accept the recommendation of the Awards Committee, Dr. Paul O.P. Ts'io. He has accepted the award.
2. Mr. Penski attended the Local Section Officers and Tour Speakers Reception in New York City on August 25. He discussed the Congressional Science Councilors Program with the Chairman, Mr. Peter Farnham; he was advised not to be concerned with the problems which the Maryland Section has had with this program, since many other Sections are finding that it is unworkable. Mr. Penski also talked with Dr. William Bailey, Chairman of the Board of the ACS, and invited him to attend an Executive Committee meeting of the Maryland Section in the near future.
3. The following appointments have been made: Dr. John Stevens is the new Public Relations Chairman; Professor Joseph Topping will be the new Associate Editor for *The Chesapeake Chemist*.
4. The ACS has revised its method of allocating representatives on the Council. Maryland will now have only three Councilors, instead of four.

*Awards and National Nominations.* Dr. Kaufman met with her committee on July 7. The group of four persons, who wish to be anonymous, recommended Dr. Ts'io to the Executive Committee. Dr. Kaufman feels that she should resign after six



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years as Awards Chairman. She made several suggestions for future activities of this Committee: (1) The award selection should be made in January, instead of July, as has been done previously; most distinguished scientists have their schedules arranged a year in advance. (2) A Maryland Section Award in Education should be founded, which is separate from the Maryland Chemist Award, which has usually been given in recognition of research. (3) A committee should be appointed to consider rewriting the Bylaws so that the Awards Committee may remain anonymous and so that the Awards Committee decisions may not be subject to the approval of the Executive Committee Officers. The 11st of Maryland Chemist Awardees since 1975 was read. Mr. Penski pointed out that all of the awardees were excellent. Dr. Kaufman then resigned.

**Education and Safety.** Sister Mary Vincent will hold a workshop on November 7 with the film *Effective Management: Getting Things Done Through Others*, an ACS short course. The fee will be \$16.00 for members, \$8.00 for students and \$5.00 for unemployed chemists.

**Program.** Ms. Eiss announced that the program is now complete for the coming year. Dr. Posner will speak in February. Carol Frischman has left this area; a replacement speaker may be located. The remaining speakers have accepted; the list appears in the September issue of *The Chesapeake Chemist*. The Section is holding a retirement course which will consist of four speakers with four sessions. Mr. Bober has arranged a program which should interest all persons who wish to plan for retirement. The fee is \$5.00, payable to Merle Eiss.

**Public Relations.** Dr. Stevens, the new committee chairman, would appreciate any assistance with this function that any section member can provide.

**Member Assistance.** Dr. Cogliano reported that the activity of his committee consists of approximately two requests per year for help, and one position available every two years.

**Membership.** Miss Kirk has processed six applications during the summer. It has been recommended that she invite the new members to dinner after they have applied. She will screen the lists provided by ACS to locate persons transferred into the Section and invite them as guests.

**Publicity.** Dr. Jones requested that addresses of places where notices of meetings should be sent be forwarded to him.

**High School Activities.** It was recommended at last year's President's Conference of the National Society that, since high school teachers in chemistry have the first opportunity to impress students with the importance of our profession, they should be very well qualified persons. It would be desirable for the Maryland Section to become involved in recognition of, and work with High School teachers as a project. The National Society has grant funds to assist projects in this area up to \$1,000.00. There is a new group in charge of this at the ACS with many ideas; there is also a group in the Washington-Maryland area which is interested in this subject. If anyone is interested in helping this project, please contact Mr. Penski. Mr. Bober has insufficient time, at present.

**Student Awards.** Dr. Hoster will begin work on this project in November.

**Councilors.** Three Councilors, Dr. Jones, Dr. Roswell and Dr. Rowell, attended the Council Meeting held at the ACS meeting in New York August 26. Their combined report was presented by Dr. Rowell. Senator Mike McCormack, the new liaison for science to the Government for the ACS, addressed the Council. He stressed the fact that our charter gives us the special responsibility to represent good science, and to advise the government.

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Harold Klapper.....Treasurer  
3313 Terrapin Road  
Pikesville, MD 21208  
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## COUNCILORS

Donald Jones.....Western Maryland College  
848-7000 ext 493 or 876-2055

David Roswell.....Loyola College  
323-1010 ext 235

Charles Rowell.....U. S. Naval Academy  
267-3302

Timothy Parr.....Westinghouse  
747-4195

## COMMITTEE CHAIRPEOPLE - 1981

Awards.....Ernest Silversmith  
Morgan State University  
Baltimore, MD 21239  
444-3216

Chemical Education...Sr. Mary Vincent  
The College of Notre Dame of MD  
435-0100

Program.....Merle I. Eiss

Archives.....Ernest Silversmith  
House.....Nolan Phillips  
J. M. Huber Corp.  
385-0159

Member Assistance.....Joseph Cogliano  
W. R. Grace & Co.  
531-5711

Public Relations.....John I. Stevens  
15 Ridge Road  
Severna Park, Maryland 21146  
647-4023

Membership.....Maria Kristine Kirk  
4000 Mayberry Avenue  
Baltimore, Maryland 21206  
435-0100

Publicity.....Donald Jones  
Western Maryland College

Student Awards.....Donald Hoster  
Community College of Baltimore  
396-7991

Remsen Award.....Dean Robinson  
The Johns Hopkins University  
338-7430

Finance.....Alvin Bober  
655-5254

## MEMBERS-AT-LARGE

Donald Hoster                      Richard Rebbert  
Maria Kirk                              Sister Vincent  
Cheryl Manger

## ALTERNATE COUNCILORS

Linda Sweeting                      Alvin Bober  
Robert L. Caret                      Clara Adams

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# NOVEMBER MEETING

## AMORETTA M. HOEBER

On 7 May 1981, Ms. Amoretta M. Hoerber was Installed as Deputy Assistant Secretary of the Army (Research and Development), Office of the Assistant Secretary of the Army (Research, Development and Acquisition). She graduated from Stanford University in 1963 with an A.B. degree in political science, and she has completed two years of graduate work in mathematics at Stanford University, American University, and the University of California at Los Angeles. She is married and has three sons.

Ms. Hoerber was deputy to the Director, Policy and Strategy Analysis Division, System Planning Corporation, from 1975 until her present assignment. Prior to joining SPC, she was Director, Department of Military Policy Analysis, General Research Corporation, from 1974 to 1975. She was a consultant to several defense study companies from 1971 to 1974. She was a member of the research staff of the Rand Corporation from 1968 to 1971, and a member of the research staff of Analytic Services, Inc. from 1966 to 1968. She began her career at the Strategic Studies Center of Stanford Research Institute where she was employed from 1963 to 1965.

She has served on the Board of Directors of the Military Operations Research Society since 1977 and was installed as President of MORS on 8 July 1981. She has been a member of the Science Advisory Group of the Joint Strategic Target Planning Staff and the Defense Science Board Summer Study on Chemical Warfare. She is a member of a number of other professional societies, including the U.S. Naval Institute, International Institute of Strategic Studies, American Institute of Aeronautics & Astronautics, and the American Defense Preparedness Association.

Ms. Hoerber is the author or co-author of numerous articles, including *The Chemistry of Defeat, Conventional War and Escalation, Soviet Strategy for Nuclear War, The Soviet View of Deterrence, The Neglected Threat of Chemical Warfare, and Reality and SALT*. She has made numerous television appearances, including appearances on *The Deadly Winds of War* (PBS) and a CBS *Sixty Minutes* special on chemical warfare.

## MYTHS ABOUT CHEMICAL WARFARE

During the decade of the 1970's the U.S. posture for chemical warfare was deliberately downgraded to the point where there was almost no capability remaining. This problem is now slowly being redressed. In order to continue the progress being made, we should understand thoroughly the factors that contributed to the decline; their degree of validity, if any; and the changes which have made these factors less influential in the last few years.

## POSTER SESSION

The poster session at this month's meeting is sponsored by the Chesapeake Chapter of Sigma Xi. Authors and titles of the poster presentations are:

Wendel J. Shuely, III, Research Division, CSL  
*Computerized Thermographic Analysis*

Ernest N. Webb, Jr., CB Detection and Alarms Division, CSL  
*Infra-Red Chemical Agent Detection*

James M. King, USAMRICB, APG  
*Noicettive Test in Drug and Chemical Screening*



AMORETTA M. HOEBER

### DATE:

Wednesday, November 18, 1981

### PLACE:

Officers' Club  
Edgewood Area  
Aberdeen Proving Ground  
(NOT the Aberdeen Area)

### RESERVATIONS:

Dinner reservations are necessary and should be made by mailing checks to

Merle Eiss  
McCormick & Co., Inc.  
Hunt Valley, MD 21031

### SCHEDULE:

6:00 Cocktails (Cash Bar)  
Poster Session  
(Sponsored by Sigma Xi)

7:00 Dinner

8:15 Amoretta M. Hoerber  
Deputy Assistant Secretary  
of the Army (Research and  
Development)  
"Myths about Chemical War-  
fare"

by November 11. Checks should be payable to Maryland Section of ACS. Late reservations may be made by calling

667-7485

before November 13.

Dinner price \$8.50 per person, but retired chemists and students may attend the dinner for \$6.00

It is not necessary to be a member of the American Chemical Society to attend.

DIRECTIONS: Take I-95 north to exit 4. Take route 24 south to the Edgewood Area of Aberdeen Proving Ground. The guard will be expecting all who have made reservations. After being admitted by the guard, continue straight past a traffic light. The road will then be identified as Hoadley Road. Follow this to a stop sign, a chapel and Austin Road. Turn right on Austin Road. After a Children Warning sign bear left onto Parrish Road. The second right, Gunpowder Loop, will pass the front of the Officers' Club (Bldg E-4650). Parking is in the rear.

## ACS CONGRESSIONAL FELLOWSHIPS

The ACS is seeking candidates for a one-year appointment for its two ACS Congressional Fellowships. The deadline for applications is January 29, 1982, and the fellowship term will begin in September 1982. Further information can be obtained from ACS Headquarters in Washington, the Department of Public Affairs.

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The business conducted reflected our changing society; registration for the meetings was raised to \$75.00; programs are being ranked so that budget cuts may be allocated. The student affiliate fee was raised to \$10.00, to help defray the cost of their program. Meetings and Expositions and Divisional Activities are searching for ways to limit the number of sessions to control the cost of programs. C&E News will rise to \$30.00 for non-members.

Nearly 90% of the Sections are having financial troubles. An attempt to increase the National contribution to local sections will be considered at the spring meeting in Las Vegas. The factor used to compute the number of councilors per Section has been changed to 370 members per councilor.

Other matters being studied are: (1) a method for dropping a member whose actions hurt the Society; (2) graduated dues based on income and age; (3) provision for different fees for emeritus members, and (4) possibly moving the time of the Council meeting in Kansas City.

Dr. Roswell announced that he has invited the National Society to meet in Baltimore in 1990, and is beginning to analyze the facilities available. The method of paying the Local Section a gratuity for meetings will be changed; expenses will be paid, but no extras.

*Chesapeake Chemist.* The September issue of *The Chesapeake Chemist* is in the mail.

*MARM.* Arrangements for the 1986 MARM are proceeding smoothly.

*Archives.* Dr. Silversmith reported that a Dr. Robert Gould called from Washington recently; he has been assigned to collect historical information in Maryland as part of a history of the American Chemical Society in the Northeastern United States. Mr. Penski asked if he would be willing to release small interesting parts of his manuscript for use in *The Chesapeake Chemist*. Since Dr. Silversmith has provided him with information from the archives, he will investigate.

*Old Business.* There was no old business.

*New Business.* The problem of certification of Councilors was discussed, since we now have only three councilors. Some decision must be made about which Councilors will be retained. Both Dr. Jones and Dr. Roswell have National Committee positions.

Miss Kirk was instructed to write letters of welcome to new members, and to invite them to a free dinner.

Dr. Kaufman asked that the recommendations of the Awards Committee (see Committee report) be considered. Ms. Eiss moved, seconded by F. Hummel, that the problem of a deadline for selection of awardees be considered by a committee. The motion was carried.

The suggestion that a new Award be created for Maryland Section Educators was considered, but no action was taken. Educators and chemical engineers are eligible for the Maryland Chemist award.

The meeting was adjourned at 9:05 pm.

Respectfully submitted,

F.C. Hummel  
Secretary

THE CHESAPEAKE CHEMIST

## COUNCILORS' REPORT

During the week of August 23-28, 1981, the Fall National meeting of the American Chemical Society took place in New York City. The committee meetings began as early as the Friday before (August 21). Over 11,000 people registered for the meeting.

The Council meeting on Wednesday morning, August 26, 1981 was the quietest in some time. Unusual was a presentation to Council by former Senator Mike McCormack who is a government liaison for us now. Little new was said except to remind us that our Federal charter gives us special responsibility to represent good science and advise the government.

Much of the other business showed the impact of changing society. Registration fees for National meetings were set at \$75.00. Further ranking of programs is underway to allocate budget cuts. The student affiliate fee was raised to \$10.00 from \$7.00 to help bear the cost of their program. The Meetings and Exposition Committee, along with Divisional Activities Committee is searching for an equitable way to limit the number of sessions to control cost. The cost of C&EN will rise to \$30.00 from \$28.00 for non-members.

One housekeeping amendment to the Bylaws passed, modifying them to allow for a Vice-chairman for Society committees.

Of concern to the Maryland section itself was the report that as high as 90% of the Local Sections are in some financial trouble and an attempt to increase the National contribution to local sections will come up for a first consideration in Las Vegas in the spring. They have also changed the factor used to compute the number of councilors per section and we will be one of the ten large sections losing one.

Other matters under study are actions to set up a due-process method for dropping a member whose actions hurt the Society, the possibility of graduated dues based on either income or age, provision for different fees for emeritus members, and an experiment with moving the time of Council meeting for next fall in Kansas City.

The technical meetings were somewhat special in at least a couple of ways. The Organic Division held a week-long symposium in honor of the late R. B. Woodward. The Division of Chemical Education devoted an entire day to high school teachers who shared their innovations with one another.

Don Jones  
Dave Roswell  
Chuck Rowell

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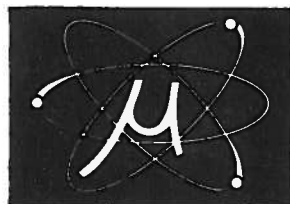
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