



THE **CHESAPEAKE
CHEMIST**

**MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY**

VOL. XXXVIII

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NUMBER 1-2



MERLE EISS
CHAIRMAN



CHARLES ROWELL
CHAIRMAN-ELECT



FRANCES HUMMEL
SECRETARY



NOLAN PHILLIPS
TREASURER

MARYLAND SECTION — ACS
OFFICERS FOR 1982

With this first issue of the year, the staff of *The Chesapeake Chemist* wish a Happy New Year to the members of the Maryland Section.

Our Section Officers for 1982 are pictured on the front cover. We thank Elwin Penski for his service as Chairman, wish Merle Eiss a happy tenure in that office, and greet Charles Rowell as our new Chairman-Elect.

Other changes are noted on page 3. Most notable is the reduction from four to three in the number of Councilors.

MESSAGE FROM THE PAST CHAIRMAN

It was my intention to write this note to the Maryland Section members before I took over as chairman; but due to the press of events, it is a little late. Nevertheless, I still have a few things that I would like to say to the Section members.

There are a large number of talented chemists working hard for your Section. Some of their names are listed on page 3 of *The Chesapeake Chemist*. They deserve a lot of credit and unfortunately, they are rarely thanked; but they frequently hear of their occasional mistakes. Therefore, I would like to take this opportunity to thank all these heroes.

The Section program deserves some special comments. It is truly excellent. I never cease to be amazed at the consistent quality of the speakers and the way the Remsen Award winners continue to receive Nobel Prizes at a later date. While meeting attendance has been excellent, I should also add that those of you who do not attend Section meetings are missing a great opportunity to help yourselves. I have found that attending meetings regularly for many years has been a great help to me.

The Maryland Section has received some criticism over the years from the National Society for not having more types of activities. If we have not been as successful in some areas as we would have liked to have been, we should consider the reasons. I believe that the main reasons are related to the unique character of the Maryland Section's area. First, we have a number of large institutions that have very active internal and competing technical programs. In addition, this area has an unusual wealth of recreational and educational opportunities. Finally, I believe that the National Society and the C&E News have failed to show complete political impartiality over the years. Of course, this can only cause alienation of members and potential members and, in fact, hurt the Maryland Section.

I believe that the Section Officers have learned through experience that the most important contribution that the Section can make is to provide an outstanding series of evening speakers. This is what the Maryland Section does well and what our members seem to want and expect.

Looking to the future, I think we could do a little more to improve our program for supporting high school teachers; but, aside from that, I think we have a sound program. I doubt that our current resources will permit much more. Looking to the second half of the decade, we will host a MARM in Baltimore in 1986 and in 1989 the Section will celebrate its 75th Anniversary. Therefore, for those of you who would like to be more active, there will be plenty of opportunities.

Elwin C. Penski



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323-1010 ext 235

Charles Rowell....U. S. Naval Academy
267-2808

COMMITTEE CHAIRPEOPLE - 1982

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

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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

Paul Gabbert Joseph Topping
Cheryl Manger William Zeiger
John Roach

ALTERNATE COUNCILORS

Linda Sweeting Timothy J. McNeese
Robert L. Caret

Gary H. Posner was born in New York on June 2, 1943. He received his B.A. degree from Brandeis University in 1964 and his M.A. (1965) and Ph.D. (1968) degrees from Harvard University. While at Harvard, he studied under Professor Corey. From July 1968 to June 1969 he was a Research Fellow with Professor William Dauben at the University of California at Berkeley. In 1969, Dr. Posner joined The Johns Hopkins University as Assistant Professor of Chemistry, was made Associate Professor of Chemistry in July 1974, and full professor in July 1979. During his first sabbatical year, he was a senior postdoctoral fellow at the Weizmann Institute of Science (summer, 1975) and a senior Fulbright lecturer at the University of Paris, France (1975-1976). He has been a member of the Fulbright Advisory Committee in Chemistry, and he is currently on the Editorial Board of *Organic Reactions*. He has published over 65 papers dealing with new synthetic methods and natural products synthesis, including one book ("An Introduction to Synthesis Using Organocopper Reagents") published by John Wiley in 1980.

ORGANIC CHEMISTRY
NEW REACTIONS AND STEROID TOTAL SYNTHESIS

A short review will be given of the importance of steroids and of efforts at steroid total synthesis since the 1950's.

A new reaction will be discussed dealing with the preparation and use of enantiomerically (optically) pure sulfoxides. Application of this method will be shown for asymmetric synthesis of steroids having natural stereochemistry.

A second new reaction will be discussed representing a highly efficient method for forming *three* carbon-carbon bonds in one reaction vessel. Application will be shown to extraordinarily simple steroid total synthesis.



Towson State University
SPRING 1982 CHEMISTRY OFFERINGS
February 4 to May 29

CHEM 1905.341 PHYSICAL CHEMISTRY LECTURE—THERMODYNAMICS.

Meets Wednesday 7-10 p.m. **Permit from instructor required.** Instructor: Claybourne C. Sneed, Department of Chemistry, Towson State University.

CHEM 1905.367 FORENSIC CHEMISTRY.

Meets Thurs. 7-10 p.m. Instructor: John J. Tobin, Chief Chemist, Md. State Police Crime Lab.

We also offer the following courses in the evening in the spring of 1982:

Chemistry for Non-Scientists, General Chemistry I, General Chemistry II, Chemistry for Allied Health Sciences II, and Organic Chemistry II.

For Course Information, Call (301) 321-3058. For Registration Information, Call (301) 321-2022.

FEBRUARY MEETING

DATE:

Wednesday, February 17, 1981

PLACE:

Knott Science Center
The College of Notre Dame
of Maryland
North Charles Street
Baltimore

SPEAKER:

Gary Posner
Johns Hopkins University

SUBJECT:

"Organic Chemistry: New
Reactions and Steroid
Total Synthesis"

SCHEDULE:

Social Hour: 6:30 pm
Dinner: 7:00 pm
Lecture: 8:30 pm

Dinner \$9.00 per person, except
retired chemists and students may
attend the dinner for \$7.00



DR. GARY POSNER

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

Merle Eiss
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Hunt Valley, MD 21031

by February 10. Checks should be
payable to Maryland Section of ACS.
Late reservations may be made by
calling

667-7485

before February 12.

It is not necessary to be a member of the American Chemical Society to attend. You may attend the lecture without attending the dinner.

CALL FOR NOMINATIONS

The Awards Committee solicits nominations for the 1982 Maryland Chemist Award. Nominees should be members of the Maryland Section who have made outstanding contributions in research, teaching and/or administration. The award recipient will deliver a lecture at the annual Maryland Chemist Award meeting. nominations should include the following:

- 1) a nominating letter explaining why the nominee is worthy of the award;
- 2) a supporting letter written by a second person; and
- 3) a curriculum vitae of the nominee, including a list of publications.

This material must be received no later than May 15, 1982 by the Chairman of the Awards Committee: Ernest F. Silversmith, 2607 Taney Road, Baltimore, MD 21209.

EXECUTIVE COMMITTEE MINUTES

The Executive Committee, Maryland Section, American Chemical Society was called to order by the Chairman, Elwin Penski at 7:40 P.M. on Wednesday, December 2, 1981, at the Knott Science Center, Notre Dame College. The following members were present: H. Cohen, M. Eiss, D. Hoster, D. Jones, H. Klapper, M. Kirk, C. Manger, M. Miller, R. Petersen, D. Roswell, C. Rowell, R. Rebbert, E. Freedman, E. Silversmith, and Sister Mary Vincent.

The minutes of the September meeting were approved as published in *The Chesapeake Chemist* for November.

The Chairman read the report of the Teller's Committee, John Calentine and William Chwang. The slate as submitted by the Nominating Committee was unanimously approved.

The problem caused by the decrease of one Councilor for 1982 was reviewed. Mr. Penski stated that he had protested to the National ACS the manner in which this change was implemented. He pointed out that we have four Councilors who do not want to resign, who are dedicated and who have attended many meetings for many years at great personal expense and expense to the Section and the Society. He also pointed out that to decertify one who invested substantial time and resources seems like very poor and inefficient management of the Society's resources.

Mr. Penski informed the Executive Committee that F. Timothy Parr has reluctantly agreed to resign. Alvin Bober has agreed to resign as Alternate Councilor. A motion was made and passed that the Executive Committee officially thank both Timothy Parr and Alvin Bober.

On behalf of the Section, Mr. Penski thanked Sr. Mary Vincent and the College of Notre Dame for letting them hold their Executive Committee Meetings there in 1981. He also thanked the rest of the Executive Committee for their excellent contributions.

Treasurer's Report. Mr. Klapper announced that he will need a report from the Finance Committee. The projected income for 1981 is from \$2300.00 to \$2500.00 from investments. The books must be audited before January 15, 1982. The invested funds should be about \$15,000.00 on January 1, 1982. Mr. Rowell observed that membership applications may now be stamped with the Society stamp to collect the rebate. Mr. Klapper was given an ovation for building up the Section's funds.

Committee reports were as follows:

House. The report was given in the absence of Mr. Phillips by Mr. Penski. Attendance at the fall meetings was: September, 87 dinners, 225 persons at the lecture; October, 80 dinners, 90 persons; November, 180 dinners, 180 persons.

Awards. Dr. Silversmith reported that a notice will appear in *The Chesapeake Chemist* requesting nominations for the 1982 Maryland Chemist Award.

Chemical Education and Safety. Sister Mary Vincent reported on the short course held in November. Expenses were approximately \$35.00 less than receipts. Plans for the next course were discussed. *Chemical Thermodynamics* and *Chemical Reaction Mechanisms* have been suggested. The book for *Chemical Thermodynamics* costs \$28.00, which may make the cost of the course prohibitive. The book for *Chemical Reaction Mechanisms* is \$12.00.

Program. Merle Eiss reported that there will be no meeting in January; there will be only one speaker in February; two speakers have accepted for March.

She is attempting to start planning with Dr. Robinson, of the Johns Hopkins University, for the Remsen Award Meeting in May 1982.

Member Assistance. Frances Hummel reported for Dr. Cogliano. He has been notified that there are three or four positions available in the Analytical Section of the Maryland Department of Health. He requested a list of persons who could be called at each of the Maryland Universities and Colleges when such a need arises. The Secretary will send Dr. Cogliano this information.

Membership. Ms. Kirk has been studying the problem of welcoming new members. There are approximately 50 persons, who should be invited to dinner in the near future. Mr. Penski suggested that we invite ten new members to each meeting until they have all been entertained; this will start in February.

Student Awards. Dr. Hoster has sent a letter to twenty-five Maryland Colleges requesting recommendations for student awards. We will need pictures of the awardees for *The Chesapeake Chemist*.

Chesapeake Chemist. Dr. Petersen reported that the *Chemist* for December was in the mail. Mary Salb has resigned as Business Manager; Mr. Alan Harmon has been appointed to replace her.

Old Business. There was no old business.

New Business. The Secretary requested a discussion of a questionnaire from the National Office on information to be included in the Annual Report. She also reminded the Chairman that annual reports are due by January 1, 1982, so that they could be compiled for the National Office.

Dr. Roswell announced that he has written to Mr. Winstead, Chairman of the Committee on Meetings and Expositions stating that Baltimore wishes to host the spring 1990 American Chemical Society meeting. It was moved by Dr. Rowell that Mr. Penski write to Mr. Winstead supporting the invitation, and that he also write Mayor Schaeffer. The motion was seconded and carried.

Merle Eiss, the incoming Chairman, announced that Executive Committee meetings in 1982 will be held on February 3, April 6 and September 8. A date for the December meeting has not yet been set.

The meeting was adjourned at 8:55 P.M.

Respectfully submitted,

Frances C. Hummel, Secretary

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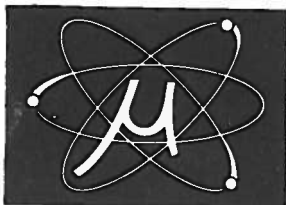
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