



THE CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XLVII

APRIL, 1991

NUMBER 4

AMERICAN CHEMICAL SOCIETY
For
Outstanding Achievement in Chemistry



MARYLAND SECTION STUDENT AWARDS

Chairman Stephen M. Gregory of the Student Awards Committee has announced the nominees for the ACS Maryland Section Student awards for 1991. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 10 dinner meeting at Western Maryland College. In addition to being recognized at the meeting and receiving an ACS certificate, each will receive a one year subscription to *The Journal of Chemical Education* or some other comparable ACS journal.

The awardees, grouped by two-year and four-year colleges, are:

Ms. Kelly E. Tinelli, Anne Arundel Community College
 Ms. Linda Price, Catonsville Community College
 Ms. Adina L. Greene, Community College of Baltimore
 Mr. Stephen P. Low, Essex Community College
 Ms. Tricia L. Skinner, Harford Community College

Ms. Wendy Wells, College of Notre Dame of Maryland
 Ms. Amy Jill Fischl, Goucher College
 Ms. Heather Lynne Stokes, Hood College
 Ms. Terre Alessandrini, Loyola College of Maryland
 Mr. Rodd Cargill, Morgan State University
 Ms. Helen deClerq, Towson State University
 Ms. Ellen M. Kellner, University of Maryland, Baltimore County
 Mr. John Andrew Cooley, United States Naval Academy
 Ms. Lisa Voketitis, Western Maryland College

MARYLAND CHEMIST AWARD COMMITTEE

The Maryland Chemist Award Committee is constantly seeking nominees for this award. For details concerning the criteria for the award or method for making nominations, contact the chairman of the committee, Elwin C. Penski 671-3953 or 671-2366 during normal work hours, 877-2923 or 879-8589 at other times.

Members interested in serving on the award committee are also invited to contact Mr. Penski.

REMEMBER THE MARM

The 25th Middle Atlantic Regional Meeting is scheduled for May 21-23 at the University of Delaware.

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- Plastic Film, constructions, ident
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- Residual solvents, Monomers, qual and quant
- Outgassing, qual and quant
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- Environmental Instrumentation



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The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Address editorial comments to the Editor. Send advertising copy and inquiries to the Business Manager. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of their authors. The Editor is responsible for all unsigned material.

MADELEINE S. JACOBS

A native of Washington, D.C., Madeleine Jacobs received a bachelor's degree in chemistry with honors and distinction from the George Washington University in 1968 and pursued graduate work in chemistry at the University of Maryland before joining Chemical and Engineering News magazine in 1969. She covered developments in industry, education, government and academia for that news-weekly in Washington, D.C., and on the West Coast for three years. Prior to joining the Smithsonian, Jacobs worked at the National Institute of Allergy and Infectious Diseases (1972-74) and was a public affairs specialist and chief of media liaison and general publications at the National Bureau of Standards (1974-79).

Jacobs joined the Smithsonian in June 1979 as the chief science writer in the Office of Public Affairs. She was instrumental in launching the Smithsonian News Service, an award-winning feature story service for daily and weekly newspapers that now serves more than 1,550 newspapers in the United States and abroad. She also increased media attention to the Smithsonian's multifaceted research programs through the institution's newsletter, Research Reports, and through new publications. She has served as assistant director of the Office of Public Affairs since 1982 and in 1987 was appointed as its director. As head of the central Office of Public Affairs, Jacobs oversees and coordinates the public affairs programs of the Smithsonian, the world's largest museum and research complex with 14 museums and galleries, the National Zoological Park and research facilities in nine states and the Republic of Panama. She also serves as the principal media spokesperson for the institution.

She has done extensive free-lance writing and is the recipient of more than three dozen awards for writing and editing.

"BETTER LIVING THROUGH CHEMISTRY": TODAY'S CHEMIST IN A CHANGING WORLD

The post-World War II and baby boom generations grew up with the famous slogan, "Better Living through Chemistry" as an integral part of our lives. We were inspired by the wonders of chemistry and many of us wanted to be part of that world. By the late 1960s, we believed that chemistry could provide a better world and solve many social ills. The Vietnam War and the toll of environmental pollution changed the public's perception of chemistry. Today's youngsters are more likely to think about a career in medicine or law than chemistry or one of the other physical sciences. In this talk, I will review the changing perceptions of careers in chemistry from the early 1960s to the present time. An education in chemistry serves as a useful underpinning today for many career choices. It has been instrumental in enabling me to rise to the top of the profession of public relations. Many people are surprised to learn that I have a degree in chemistry, but I always tell them that a knowledge of chemistry is very useful when you're putting out fires all day.

NATIONAL CHEMISTRY WEEK

Plans for National Chemistry Week are advancing rapidly. The kick-off is Sunday, November 3, and will probably be held at the Maryland Science Center. The featured speaker is still tentative, but a strong possibility is the popular Bassam Shakhshiri, formerly assistant director for science and engineering education of the National Science Foundation. Focus will then circulate among area colleges through the rest of the week.

REMSEN AWARD

The Remsen Award meeting is now scheduled for Thursday, May 9 at the Johns Hopkins University.

APRIL MEETING



MADELEINE S. JACOBS

SCHEDULE:

- 6:00 Social Hour
Decker Auditorium
Lewis Hall
- 7:00 Dinner - Dining Porch
Engler Dining Hall
- 8:00 Student Awards Ceremony
Decker Auditorium
Lewis Hall
- 8:20 Lecture
Madeleine S. Jacobs
Smithsonian Institution
"Better Living Through
Chemistry": Today's Chemist
in a Changing World"

Dinner reservations should be made by mailing checks, payable to Maryland Section of ACS, to

Dr. J. Paul Carter
Nova Pharmaceutical Corp.
6200 Freeport Center
Baltimore, MD 21224

DATE:

Wednesday, April 10, 1991

PLACE:

Western Maryland College
Westminster
Maryland

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

by April 3. Late reservations may be made by calling (301) 563-6168 by April 5.

Dinner price \$14.00 per person, but spouses, retired chemists and students may attend for \$10.00; Because of catering requirements we cannot guarantee a dinner without advance reservations.

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

Department of Chemistry and Biochemistry

SPRING SEMINAR SCHEDULE

April 16	Dr. Chuck Bevins Univ. of Pennsylvania Medical School	TBA
April 30	Dr. Cecil Robinson Johns Hopkins School of Medicine	TBA
May 7	Dr. Mark Chance Georgetown University	Biophysical Spectroscopy as a Tool for Analyzing Structure and Dynamics: Is there Life Beyond Crystallography and NMR?

Seminars take place at 3:30 PM in Room 403, Biological Sciences Building. For additional information please contact Dr. P. Dietze at (301) 455-2523.

EXECUTIVE COMMITTEE MINUTES

The Executive Committee was called to order by Paul Carter, the Chairman, at 7:36 P.M. on December 5, 1990 in the Chemistry Reading Room of the Knott Science Center at the College of Notre Dame.

The members present included: Merle Eiss, George Herold, Chuck Rowell, Ron Erickson, Steve Gregory, J. Paul Carter, Elwin Penski, Bruce Solnick, Shree Iyengar, Greg Erickson, Harold Klapper, Alvin Bober, Joseph DeFrank, and Alice Zeiger.

The minutes were approved.

TREASURER'S REPORT: Income for the period 9/12/90 thru 12/7/90 was \$3,064.96 and expenses for the same period were \$5,651.32. Funds on hand (including an estimate for the CD) totaled \$22,902.31. There was a problem with the printer declining to print our material due to some unpaid bill. This will be corrected. Also, Bober's check from the picnic does not appear to have been cashed by the Section. This will be checked.

MARYLAND CHEMIST AWARD: The award will be on display at the meeting. This committee always is looking for nominations.

REMSEN AWARD: Catherine Fenselau has agreed to be the chairwoman of this committee, to be joined by Craig Townsend of Johns Hopkins and Ron Erickson.

STUDENT AWARDS: Letters are to go out next week; responses are due in January.

W.R. GRACE AWARD: Carter will be calling Bill White to get the committee rolling on an award for next October.

CHEMICAL EDUCATION: Schwab has been in contact with Jay Young, who will charge \$200. for a one day presentation. The title of his presentation will be "Laboratory Safety and the Handling of Chemical Wastes in High Schools and Colleges." Possible dates are February 16 or April 20. After some discussion, it was decided on a \$12. charge to participants, which would include a small lunch, and a target date of April 20.

PROGRAM: Fischer will be donating \$250, but this will not be for sponsoring liquor due to the liability issue. For April, Derek Davenport of Purdue will speak on chemical education and Jim Bradford from the National ACS will speak on National Chemistry Week. A discussion arose concerning asking students for identification at the Social Hours which then focused on whether we should be serving liquor at all at meetings. The House will report on this next time.

HOUSE: Carter will set up a committee to look into the question of liquor at meetings.

BY-LAWS: We are making some progress on what essentially is our only problem -- our mechanism for replacing an officer. National wants us to use Robert's Rules of Order, but our procedure is simpler.

MEMBER ASSISTANCE: There have been some calls. Notre Dame is looking for a half-time grants writer with a Master's degree and experience in writing grants. There is a staff reduction ongoing at the Naval Academy. Carter received a letter from Professional Relations concerning layoffs at Cyanamid. Petersen will announce in the *Chesapeake Chemist* that anyone with information on this layoff should contact Carter. (Technically, there needs to be approximately 20 individuals or more involved to be terminated a true layoff).

MEMBERSHIP: Erickson reported that we have been notified of one new member from National. We may be in a situation of losing a councilor should our

membership decline. A recommendation was made that high school teachers might be approached to become local section affiliates.

PUBLICITY: Individuals in the Washington area have been responding to announcements of meetings in C and E News.

FINANCE: The Nicholas Fund is essentially where we started. The motion was carried to put another \$1000 into this fund. It was reported that Yorkridge has been taken over by Household Bank and that the money still is in good hands.

HIGH SCHOOL ACTIVITY: Zapf submitted a one page report which included: 1) Pepe Sandoval accepted the MD Section 1990 H.S. Award at our September meeting; 2) Larry Ferguson was resubmitted to National as our nominee for the 1991 ACS Regional Award; 3) postage bills were submitted; 4) a request was made to keep the budget at \$500. For 1991; 5) Zapf has offered to be the contact for the high school community concerning 1991 National Chemistry Week; and 6) the MD Section will be participating in the 1991 International Chemistry Olympiad this Spring and volunteers are requested to work with the students.

CHESAPEAKE CHEMIST: Petersen would like everything in by December 15. Iyengar has requested some publicity for the 115th 2YC3 Meeting to be held on September 27-28, 1991 at Anne Arundel Community College. Advertising rates in the *Chesapeake Chemist* were raised three years ago. It was discussed that in lieu of asking a company to advertise in the *Chesapeake Chemist*, we could accept a contribution which could be acknowledged in print.

OLD BUSINESS: A presentation of the National Chemistry Week was made at the Teachers' Association meeting in Ocean City. National has sent out a mailing indicating that they are looking for members to assist. The suggestion was made that high school teachers might be interested in these assignments. Herold, Carter, and Bober will get together for lunch to discuss raising money for this project. Rowell introduced Shree Iyengar, who will be contacting all of the Community Colleges concerning the Student Affiliate Program. Iyengar indicated that at Anne Arundel Community College not all students in the Chemistry Club are chemistry majors. Other students outside of the chem majors can be interested in these groups. At present, there are 10 Student Affiliate Chapters in our district. Some thought should be given to allocating some money for the Student Affiliates and/or Chemistry Clubs. Iyengar will be giving a pre-meeting presentation on Student Affiliates at an upcoming Section meeting. Anne Arundel Community College was offered as the meeting site for a future student awards meeting.

NEW BUSINESS: To conclude his term as Chairman, Carter thanked everyone at the meeting for their support. He offered some observations on the present status of chemistry: chemistry in America is waning, the pool of American chemists is declining, and chemists have a very poor public image. It was his sincere hope that these observations could be turned around for the sake of our profession and the country at large.

The next meeting of the Executive Committee will be on February 6, 1991 at 7:30 P.M. in the Chemistry Reading Room of the Knott Science Center at the College of Notre Dame.

Respectfully submitted,
Alice Zeiger
Secretary

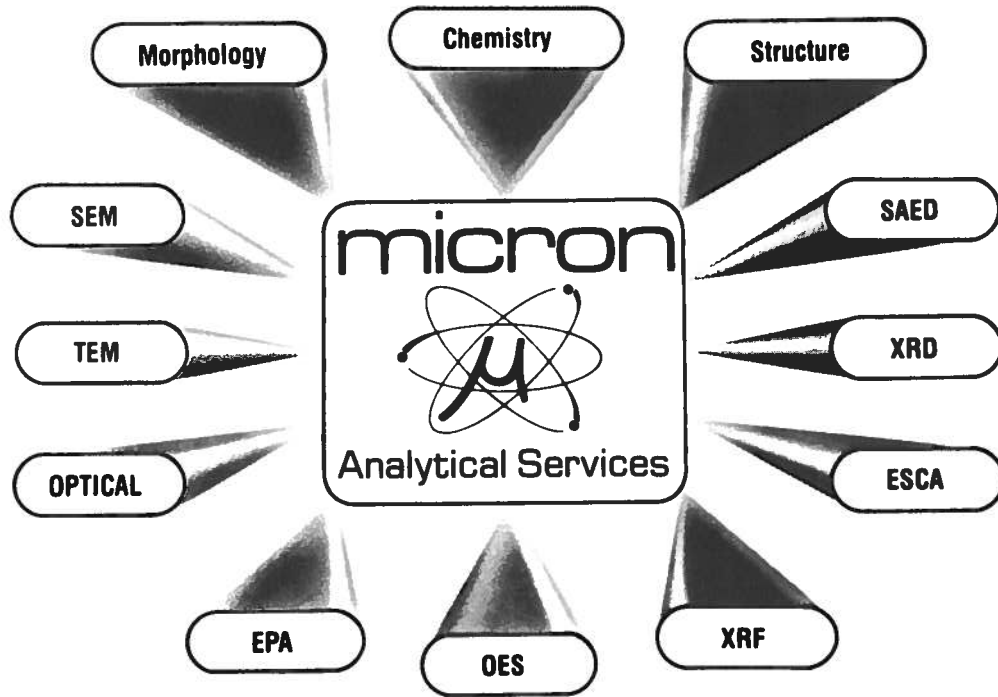
SERMACS-91

The 43rd Southeastern Regional Meeting of the ACS will be held in Richmond, Virginia November 13-15. The deadline for abstracts is June 15. For technical program information, contact Dr. Albert T. Sneden at (804) 367-1298.

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