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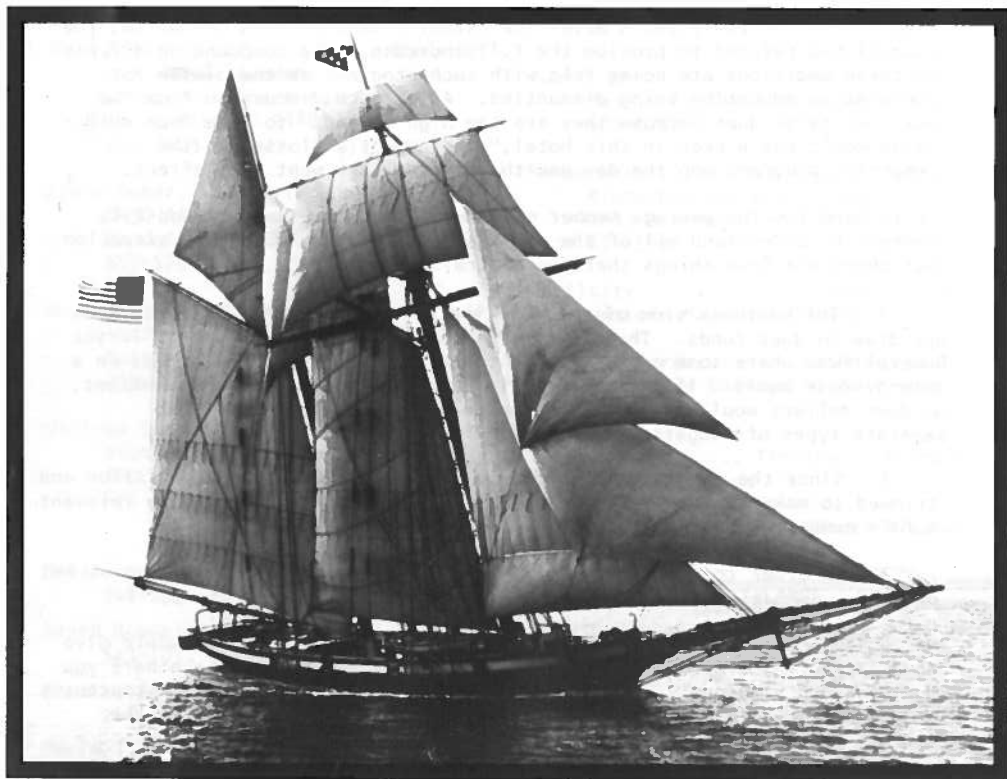
CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XLII

SEPTEMBER, 1986

NUMBER 6



WELCOME BACK

A new season of lecture meetings begins this month under the leadership of program chairman Alvin Bober. The season begins with the Twentieth Middle Atlantic Regional Meeting hosted by the Maryland Section at the Hyatt Regency in Baltimore.

The Student Award meeting in April features three younger scientists who are children of three older members of the Maryland Section.

REFLECTIONS ON THE APRIL ACS MEETING IN NEW YORK

The meeting in New York was expensive and hectic. The meeting rooms varied from cavernous and cold (Inorganic Symposium) to cramped and steamy (History of Chemistry). The surliness of the waiters and bellmen was less noticeable than in Miami Beach but the service was truly no better.

The Council met on Wednesday morning after nearly a week of committee meetings that preceded it. There was much of the usual spring meeting routine business such as: selecting nominees for president (Brasted and Eliel); setting the divisor to determine the number of counselors; getting reports from CAS and journals; and, deciding not to join a lobbying group made up of scientific societies because its political action committee would be beyond ACS control.

There was the usual battle over the raising of dues. The escalator clause made four dollars automatic unless the Council acted to adopt a lesser figure. In the early years after the establishment of this mechanism, the council had refused to provide the full increase. The compounding effects of these decisions are being felt with such programs as the office for cooperative education being dismantled. After much discussion from "we must not raise dues because they are too high already" to "the four dollar raise won't buy a beer in this hotel," the potential losses to the remaining programs won the day and the four dollars went into effect.

It is hard for the average member of Council (much less a rank-and-file member) to understand all of the ramifications of the ACS budget situation but there are four things that are central:

1. The business side of the ACS (journals, books, CAS, Belmont) does not draw on dues funds. Their profits, when they arise, are placed in the General Fund where some of it is used to help dues-supported programs on a case-by-case basis. If one of the self-supporting programs went bankrupt, no dues dollars would be lost. The price of this protection is two separate types of budgets.
2. Since the new escalator, the council and the board have whittled and trimmed to make the dues-supported programs more efficient and more relevant. A fair number of programs have been dropped.
3. In order to start any new programs at the moment, something must be dropped.
4. Without doubt, each of you has one or more programs you would give up readily if you were given a preference list. There would be others you would defend vigorously. What remains at the moment seems to be a concensus group where each of the programs has a significant constituency in the Society or seems mandated by our Federal charter.

Your Councilors

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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.

AMERICAN CHEMICAL SOCIETY
September 2-4, 1986, Baltimore

The Maryland Section invites all ACS members and others interested in Chemistry to attend and participate in the 20th MARM meeting.

The final program appeared in full in the July 14, 1986 issue of
CHEMICAL & ENGINEERING NEWS.

TUESDAY - MORNING - SEPTEMBER 2

Recombinant DNA - I
Directions in Organic Synthesis
Bioregulation in Plants - I
Chemical Material for Imaging - I
Chemical Indices of Neurotoxicity - I

TUESDAY - AFTERNOON

Recombinant DNA - II
Organic Chemistry in Medicine
Bioregulation in Plants - II
Academic/Industrial Interface
Chemical Materials for Imaging - II
Chemical Indices of Neurotoxicity - II
Literature Search for Chemical Reactions

WEDNESDAY - MORNING - SEPTEMBER 3

Biotechnology Present & Future
Natural Products Chemistry
Cluster Ions - I
NMR Imaging
Hazardous Chemical Safety
Trace Elements in Biological Matrices - I
Consulting

WEDNESDAY - AFTERNOON

Hybridoma, Techniques & Applications - I
Cross Disciplinary Organic Chemistry
Cluster Ions - II
Too Much In General Chemistry
Hazardous Chemical Waste Disposal
Trace Elements in Biological Matrices - II

THURSDAY - MORNING - SEPTEMBER 4

Hybridoma, Techniques & Applications - II
Nucleic Acids
Cluster Ions - III
Computer Controlled IR
Chemical Toxicology
Biotechnology, Patents & Regulations
Robotics in the Chemistry Lab

SPECIAL EVENTS

TUESDAY - SEPTEMBER 2

Lunch - 12:00 noon - Speaker Jeanette Grasselli, Director Corporate Research & Analytical Services, Standard Oil Company (Ohio), "Promise of Tomorrow through Technology"
Hyatt Regency Ballroom, \$12.25/person

Mixer - 5:30 pm
Exhibit area Hyatt Regency Ballroom
No Charge

WEDNESDAY - SEPTEMBER 3

Awards Lunch - 12:00 noon - Speaker Jon Franklin, Pulitzer Prize winner and Associate Professor of Journalism, University of Maryland, "Science Writing in Its Age of Yellow Journalism"
Hyatt Regency Ballroom, \$12.25/person

MARM Section Officers and Councilors Meeting, 3-5 pm

Dinner Cruise - LADY BALTIMORE
6:30 pm, Boat Dock Inner Harbor. See beautiful harbor and skyline.
Dinner, dancing, cruise. \$19.50/person. Reservations required.

SPECIAL ACTIVITIES FOR SPOUSES

Harbor Walk - Tuesday September 2, 1986 at 9:30 AM
National Aquarium, World Trade Center, Frigate Constellation. Cost \$7/person.

Lunch (extra at restaurant of your choice)
Reservations required. Rendezvous at the National Aquarium Plaza

Maryland Science Center

Tour of Center plus Planetarium Show. Cost \$3.50/person.

Tuesday September 2, 1986 @ 9:30 am; Wednesday September 3, 1986 @ 1:30 pm

Thursday September 4, 1986 @ 9:30 am

Reservations required. Rendezvous at the Center

Baltimore & Ohio Train Museum - Wednesday September 3, 1986 @ 9:30 am

Self guided tour of Museum. Lunch available in an authentic dining car.

Transportation to the Museum included. Cost \$3.00/person.

Reservations required. Rendezvous Hyatt Lobby

HIGH SCHOOL ACTIVITIES

The Maryland Section contributed \$50 to Project SEED. This was awarded to Dr. Thomas Tung Wu of the Department of Natural Science at Coppin State College, where two students working on a pesticide project are Sherree Washington of Edmondson West Side High School and Towanda Hill of Forest Park High School.

The Maryland Section has once again participated in the Baltimore Science Fair. This year's winners in Divisions I and II each received a plaque, a \$50 savings bond and an invitation to the Section's April dinner meeting. The winners were Ann Zarabaiko of Perry Hall and Emily Schmitt of Dumbarton Middle School.

The program also included ten certificates of merit awarded to Tammy Galitzer (Pikesville), Jonathan Heitz (Bel Air), Wei-Nchih Lee (Perry Hall), Scott Needle (Pikesville), Heather Woofter (Hammond), Allison Thomas (C. Milton Wright), Connie Lynn Chen (Cockeysville Jr.), Yair Levy (Pikesville Middle), Jennifer Mathias (Johnnycake Jr.) and Joseph Meszler (Franklin Middle).

On April 26 two students, nominated by their teachers, took the national exam for the International Olympiad. They were Norman P. Levin of Fallston High School, nominated by Ms. Ann Baker, and Elizabeth A. Booth of Towson High School, nominated by Mr. Al Olsen.

FACSS ANNUAL MEETING

The thirteenth annual meeting of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) will be held September 28 - October 3, 1986 at the Cervantes Convention Center and Sheraton Hotel in Saint Louis, Missouri.

The sponsoring organizations for the meeting are: The Society for Applied Spectroscopy; The Analysis Instrumentation Division of the Instrument Society of America; the Association of Analytical Chemists, Inc.; the ACS Division of Analytical Chemistry; and the Chromatography Foru of the Delaware Valley.

The meeting will feature four awards symposia and forty-eight topical symposia in addition to submitted papers covering all aspects of analytical chemistry.

SIGMA XI, THE RESEARCH SOCIETY PRESENTS
THE CENTENNIAL LECTURE SERIES

BY WILLIAM E. WHITE
CHAIRMAN-ELECT, CHESAPEAKE CHAPTER

During the latter part of the nineteenth century there were several honorary societies for those with excellent academic achievements but none for those with equally outstanding research accomplishments. Students and faculty at Cornell University recognized the problem and decided to remedy it with a new national organization. In 1886 they formed Sigma Xi and established the first chapter at Cornell to honor and reward those who had excelled in scientific research. They chose the name Sigma Xi principally because it was not used by another Greek letter group and later selected the motto "Spoudon Xynones" which means "Companions in Zealous Research." Eventually the official name was changed to Sigma Xi, The Research Society, but the mission of encouraging and supporting scientific research remained. Currently, it pursues these goals through the following activities:

1. Recognition of individual achievement in research
2. Publication of research in the "American Scientist"
3. Sponsoring the national lectureship program
4. Funding new research through Grants-in-Aid
5. Conducting the Science and Society Program

Since its founding, Sigma Xi has grown to more than 500 chapters and clubs. Originally, most were affiliated with academic institutions -- thereby fostering a parietal atmosphere in the society. However, since World War II, many chapters have been started at government agencies and commercial laboratories. The membership of Sigma Xi, at both the national as well as the local levels differs considerably from that of other scientific societies. Membership is multidisciplinary rather than composed of those interested in one particular field. The local Sigma Xi chapters are usually formed at a particular institution rather than covering a specific geographical region. For example, the Maryland Section of the American Chemical Society includes the entire state of Maryland except the area around Washington, D.C. while the Chesapeake Chapter of Sigma Xi is composed almost entirely of members who work at the Aberdeen Proving Grounds. Other Sigma Xi chapters in the Baltimore area are located at Johns Hopkins University, Towson State University, the U.S. Naval Academy and Western Maryland College. Thus, the activities of a local chapter revolve around the entire research program of the institution rather than concentrate on a particular discipline in the international arena.

Members are elected to Sigma Xi on the basis of research contributions. Those who have demonstrated excellence are eligible for election as full members while those who have demonstrated the potential for excellence are normally elected as associate members with the idea that they will be promoted to full members later. During its hundred year history, approximately 300,000 scientists have been elected. Of those, more than 120,000 are still active.

Since 1930, Sigma Xi has sponsored a series of National Lectureships. A panel or roster of leading scientists is established by the national organization. Chapters and clubs can then invite speakers from this panel to speak at local meetings. The program has been successful because it permits various Sigma Xi groups to hear eminent scientists speak about their research at a modest cost to the local chapter.

This year, as part of the 100 year celebration, Sigma Xi is substituting a series of Centennial Lectures for the National Lectureships. Eleven outstanding speakers have agreed to prepare a single lecture and present it

to about five different audiences. The Sigma Xi Chapters in the Baltimore area have joined to sponsor the lecture by Sally Ride, the first female astronaut.

Sally Ride received all of her degrees from Stanford University - first a BS in physics and a BA in English and subsequently MS and PhD degrees in physics. After graduation she was selected as an astronaut candidate and then flew as a mission specialist on STS-7 that was launched on 18 June 83. Her research interests include experimental general relativity, x-ray astrophysics, and free-electron laser physics. More recently she served on the Roger's Commission that investigated the Challenger explosion.

Dr. Ride will speak at 7:30 p.m. on Thursday, September 25, 1986, at the Kraushaar Auditorium at Goucher College, Towson, MD. Her topic will be "The Space Shuttle." Tickets cost \$2.00 and can be purchased at the Kraushaar Auditorium Box Office (337-6333) and at the University Union Ticket Office (321-2244) at Towson State. Additional information can be obtained from Mary Brizzolara, Towson State (321-3070); Ray Mackay, CRDEC (671-3884); Jean Montemarano, David Taylor Naval Ship R & D Center (267-2637); or Jeff Sanders, Towson State (321-3197).

1986-1987 MARYLAND SECTION PROGRAM

DATE AND LOCATION	SPEAKER	AFFILIATION
September 2-4, 1986 Hyatt Regency	Twentieth Middle Atlantic Regional Meeting	
October 15, 1986 W.R. Grace Research Center	Michael Theil John Ferraro	North Carolina State Univ. Loyola of Chicago
November 19, 1986 Edgewood	Harry R. Snyder, Jr.	Norwich Pharmaceutical
December 17, 1986 College of Notre Dame	Maryland Chemist Award	
January 21, 1987 College of Notre Dame	Mary Good Michael Moore	ACS President-elect Perkin-Elmer
February 18, 1987 College of Notre Dame	Frederick Lampe Joyce Kaufman	Pennsylvania State Univ. The Johns Hopkins Univ.
March 11, 1987 College of Notre Dame	John Lever Glen Prestwich	The Johns Hopkins Univ. SUNY at Stonybrook
April 22, 1987 Hood College	Student Awards Plus 3 under 30 Bober, Riley and Cohen Science Fair Winners' Posters	
May, 1987	Remsen Award	

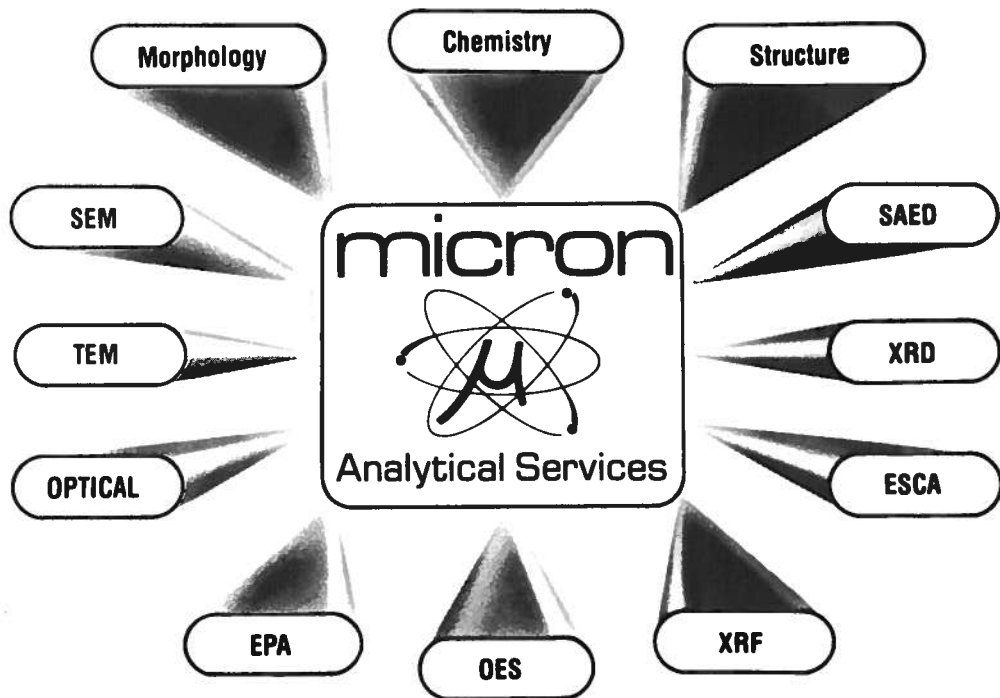
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