



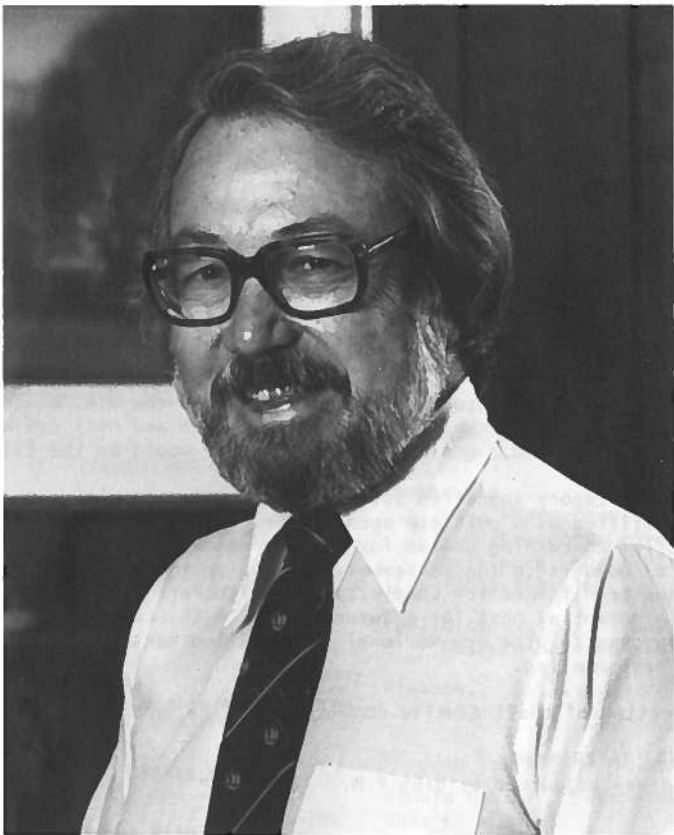
THE **CHESAPEAKE  
CHEMIST**

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XLVI

NOVEMBER, 1990

NUMBER 8



NORMAN F. NESS



# THE CHESAPEAKE CHEMIST

## EXECUTIVE COMMITTEE MEETING

The Executive Committee was called to order by Paul Carter, the Chairman, at 7:32 P.M. on May 2, 1990 in the Chemistry Reading Room of the College of Notre Dame.

The members present included: Paul Carter, Joseph DeFrank, Greg Erickson, Ray Petersen, Cathy Schwab, Steve Gregory, George Herold, Tim Parr, Alice Zeiger, Joe Topping, and Bill White.

**TREASURER'S REPORT:** DeFrank reported that income totaled \$6,322.28 and expenses totaled \$5,488.98. The Yorkridge Calvert (NOW) account had \$8,400.36 as of 4/20/90 and the Signet account had \$4,282.61 as of 4/30/90. Carter indicated that he would contact the Finance Committee as to the most appropriate place for the \$8,000. The Treasurer's report was accepted.

**REMSEN AWARD:** Dr. Bergman is to arrive on Tuesday and spend Wednesday at Hopkins. A check for \$750. will be given to Dr. Bergman. For future awardees, a note should be sent to Harold Klapper along with a picture for *The Chesapeake Chemist*.

**CHEMICAL EDUCATION:** It was suggested that the Section might wish to sponsor an academic safety workshop.

**PROGRAM:** Carter indicated that he is finished with the program. DeFrank listed the following tentative schedule: W.R. Grace in October, Neuropharmacology at Nova, the Voyager Mission at Aberdeen Proving Grounds, Superconductivity at Notre Dame, and Protein Crystallography at the Naval Academy.

**MEMBERSHIP:** National has awarded us a modest bounty of \$27.50 for four new people joining ACS in 1989.

**HIGH SCHOOL ACTIVITY:** To date, no one has been found to assist Mike Zapf. Judges are being sought for the Chemathon.

**CHESAPEAKE CHEMIST:** The May issue is in the mail. July 4th is the deadline for the September issue. They are putting out a flyer for the August 12th picnic.

**OLD BUSINESS:** White submitted a one-page summary of the W.R. Grace Award. Carter and White will check with National for advice and will collaborate to determine a good nominee. Projected date of award would be the fall of '91.

**NEW BUSINESS:** Gregory suggested career awareness at the high school level. Nova was identified as a possible sponsor for this endeavor. National sent Carter material concerning awards for 50-year members. The motion was carried to invite ten members to the September meeting for this award. A standing committee has been formed for Chemistry Day. Tim Parr will offer the Maryland Section as a potential host for a future MARM. A \$4. cost of living increase has been approved for the new National dues. All other motions were tabled at the Councilors' meeting.

The next meeting of the Executive Committee will be on September 12, 1990 at 7:30 P.M.

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

Respectfully submitted,  
Alice Zeiger  
Secretary

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Maryland Chemist Award..James W. King  
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Maryland Service Award...Donald Jones

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Dr. Ness graduated from MIT in 1959 and, after an appointment at UCLA, joined the NASA/Goddard Space Flight Center in 1961. He has participated as Principal Investigator and/or Project Scientist in more than 20 Explorer, Mariner, Pioneer and Voyager spacecraft projects studying the magnetic fields in interplanetary space and of all the planets, discovering the intrinsic magnetic fields of Mercury, Saturn, Uranus and Neptune. At NASA/GSFC he established the Laboratory for Extraterrestrial Physics actively pursuing many contemporary problems in Astrophysics and Space Plasma Physics. He became President and Professor of the University of Delaware's Bartol Research Institute in 1987. His research activities continue with his PI role on VOYAGER and as Co-Investigator in both the USSR PHOBOS and the USA MARS-Observer projects. He is an acknowledged world expert on the measurement of weak magnetic fields in space and the conduct of space experiments. He has authored more than 200 articles and has received a number of awards for his research activities from NASA, AIAA and AGU. He is a member of the National Academy of Sciences.

Dr. Ness is a Sigma Xi National Lecturer 1988-1990.

VOYAGERS' GRAND TOUR TO  
JUPITER, SATURN, URANUS AND NEPTUNE

Once every 150 years, the position of the giant planets Jupiter, Saturn, Uranus and Neptune permit an Earth launched spacecraft to sequentially encounter these four planets, using a series of successive gravity assists at each encounter. Launched in August 1977, the twin VOYAGERS have had six close approaches with all four giant planets between 1979-1989. Both V1 and V2 studied Jupiter and Saturn and their complex system of moons, rings and magnetospheres in great detail 1979-1981. Only V2 encountered Uranus and Neptune in 1986 and 1989, respectively. Remarkable discoveries by the many scientific instruments include active volcanos on the Jovian moon Io and radiation belts trapped in the previously unknown global magnetic fields of Saturn, Uranus and Neptune. This talk will survey the results and illustrate the findings with numerous close-up pictures of the planets, their many moons and rings.

EASTERN ANALYTICAL SYMPOSIUM

The twenty-ninth annual Eastern Analytical Symposium & Exposition will be held November 12-16 at the Garden State Convention & Exposition Center in Somerset, New Jersey. The meeting features over 300 technical papers, 16 short courses, 30 workshops and 210 exhibit booths. Further information can be had by calling the EAS hotline (302) 453-0785.

TIM McNEESE DEPARTURE

Tim McNeese has announced that he is leaving Loyola College to join the Research Corporation. Tim has served for the past five years as chairman of the Maryland Section's Remsen Award Committee. The Section acknowledges this excellent service with thanks and wishes Tim well in his new endeavors.

REMSEN AWARD NOMINATIONS

The committee for the Remsen Award invites suggestions for candidates. Please send these to C. Fenselau, Dept. of Chemistry and Biochemistry, UMBC, Baltimore, MD 21228 as soon as possible. This award is given in recognition of major research accomplishments to a chemist from anywhere in the world.

# NOVEMBER MEETING

DATE AND PLACE:

Wednesday, November 14, 1990  
Officers' Club  
Aberdeen Area  
Aberdeen Proving Ground  
(NOT the Edgewood Area)

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

Ms. Menyan Cheng  
Nova Pharmaceutical Corp.  
6200 Freeport Center  
Baltimore, MD 21224

SCHEDULE:

6:00 Social Hour  
(Cash Bar)

by November 7. Late reservations may be made by calling

(301) 563-6167

7:00 Dinner

by November 9; answering machine is available at this number.

8:30 NORMAN F. NESS  
Bartol Research Institute  
University of Delaware  
"Voyagers' Grand Tour to  
Jupiter, Saturn, Uranus and  
Neptune"

Dinner price is \$12.00 per person, but spouses and retired chemists may attend for \$10.00; students may attend for \$6.00.

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

NOTE the location once again is the Aberdeen Area while the Edgewood Area Officers' Club continues under repair and renovation.

Directions: From I-95 north take Exit 85 (2 miles north of the Maryland House Restaurant). Follow signs for Aberdeen Proving Ground and Route 22 east (this will be a right turn off Exit 85, but not the immediate first right). Route 22 east leads directly to the APG gate (about 4 miles); past the post gate house, it becomes Harford Boulevard. At the third light after the gate house, turn right (a sign indicates Main Post to the right); this road is Maryland Boulevard. At the next traffic light make a left turn onto Aberdeen Boulevard; follow this for 1.6 miles to a fork in the road (fire house location). Take the left fork in front of the fire house. The road will pass the Civilian Personnel Building on the right and come to a small traffic circle. Turn left at the circle onto Plumb Point Loop East. The Officers' Club is 0.5 mile down the road. The Officers' Club has a parking lot in front of the building.

FUTURE MEETINGS

Date	Location	Speaker	Affiliation	Topic
Dec 19	UMBC	Maryland Chemist Award		
Feb 13	Notre Dame	Lynn Schnemeyer	Bell Laboratories	Superconductivity
Mar 13	Naval Academy	Keith Ward	Naval Research Laboratory	Protein Crystallography
Apr 17	West. Maryland	Student Awards		
May 15	Johns Hopkins	Remsen Award		

# The Johns Hopkins University

## 1990 Fall Chemistry Colloquium Schedule

Remsen 221, Tuesdays, 4:15 p.m.

For more information contact Rosalie Elder (301)338-7432

October 30	<b>John Weiner</b> University of Maryland	Dynamics of Cold and Ultracold Collisions
November 6	<b>Edward R. Thornton</b> University of Pennsylvania	Reactivity and Selectivity in Aldol Reactions
November 13	<i>To Be Announced</i>	
November 20	<b>Edward I. Stiefel</b> Exxon Research and Engineering Company	Cofactors, Catalysts, Complexes, and Clusters of Transition Metal Sulfides
November 27	<b>Thomas V. O'Halloran</b> Northwestern University	The Mechanisms of Heavy Metal Recognition By Receptors That Regulate Gene Expression
December 4	<b>Robert Bryant</b> University of Rochester Medical Center	Consequences of Magnetic Relaxation Coupling

### 1991 PATTERSON-CRANE AWARD

The ACS Columbus and Dayton Sections are seeking nominees for the 1991 Patterson-Crane Award. The biennial award, consisting of a \$2000 honorarium and a personalized commendation, is given in honor of Austin M. Patterson and E.J. Crane, previous editors of *Chemical Abstracts*.

An international honor, the Patterson-Crane Award acknowledges outstanding achievements in chemical information theory or practice. Contributions of international significance may be in the areas of the production of original books, articles, reviews, and bibliographies; editorial work; abstracting; nomenclature; construction of indexes, codes or methods of classification; development and use of methods for searching the literature and of mechanical or electronic aids to information storage and retrieval; chemical library work; implementation and management of chemical information systems and services; or related areas.

The 1991 Award will be presented on May 21, 1991, at a dinner held in Columbus, Ohio.

Nominations must be in writing and should include the nominee's contributions to the field and an evaluation of his or her accomplishments. A biography and bibliography of publications and presentations supporting the nomination should be enclosed. Seconding letters are required.

Send one copy of the nomination materials by January 31, 1991, to: Dr. W. V. Metanomski, Chemical Abstracts Service, P.O. Box 3012, Columbus, Ohio 43210.

To receive an informative brochure about the Award, contact Metanomski at (614) 447-3631.

CLAYTON  
HALL



May 21-23, 1991

25th MIDDLE ATLANTIC REGIONAL MEETING  
CALL FOR PAPERS

The Delaware Section of the American Chemical Society will host the Silver Anniversary Middle Atlantic Regional Meeting at the University Of Delaware May 21-23, 1991.

Papers are sought in the following areas: Analytical, Biological, Fluorine, Inorganic, Medicinal, Organic, Physical, and Polymer Chemistry and in Chemical Education.

Planned symposia include: 25 Years of Excellence in Organic Chemistry, New Approaches to Hypolipidemic Agents, Careers in Chemical Information, Recent Advances in Heterocycle Chemistry, Molecular Modeling and Computational Chemistry for the Beginner and Expert, Modified Nucleotides as Biochemical Probes, The Carothers Award Symposium, and The Chromatography Forum of Delaware Valley: Student Award Symposium.

Abstracts should be submitted on standard ACS abstract forms to MARM Program Committee, P.O. Box 711, Montchanin, DE 19710-0711

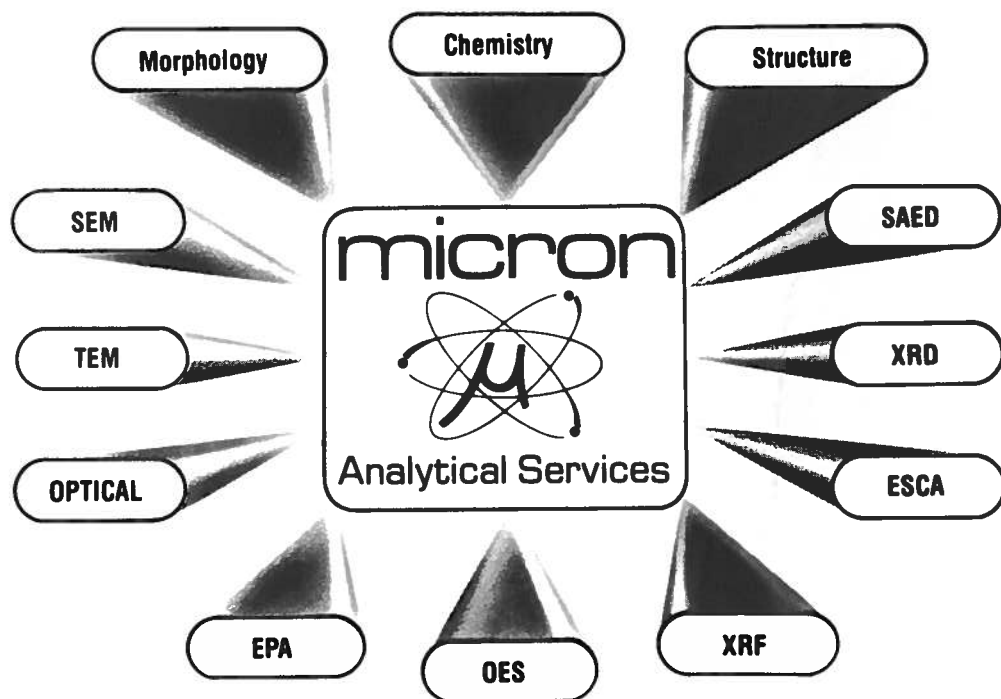
Deadline for abstracts is January 25, 1991.

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Newark, Delaware

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