



THE CHESAPEAKE CHEMIST

MARYLAND SECTION
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NUMBER 1-2



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SUGGESTIONS REQUESTED FOR POSSIBLE NOMINEES
FOR THE NATIONAL TECHNOLOGY MEDAL

All ACS members are invited by the Committee on Patents and Related Matters (CP&RM) to suggest possible candidates for nomination for the National Technology Medal. Recently funded by the United States Department of Commerce and established by the Stevenson-Wylder Innovation Act of 1980, the medal is awarded annually by the President of the U.S. It may be awarded to individuals, groups, companies or to institutions within the United States for outstanding contributions to technology or for the promotion of the technological workforce.

Nomination documents may be obtained by contacting the staff liaison to CP&RM, Ms. Nancy Todd (202/872-4476). The deadline for submitting nominations is February 15, 1991.

EAS CHROMATOGRAPHY AWARD

Nominations are now being sought for the 1992 Eastern Analytical Symposium (EAS) Award for Outstanding Achievements in Chromatography. The award consists of a plaque which will be presented at a special award symposium arranged in recognition of the recipient. The Award will be presented at the 1992 EAS in Somerset, NJ in November, 1992. Established in 1986, this award is designed to recognize an individual who has made major contributions to the field of chromatography. A nomination letter describing the nominee, including specific accomplishments should be submitted along with a biographical sketch by August 1, 1990. Send all materials to Chairman, EAS Awards Committee, Eastern Analytical Symposium Inc., P.O. Box 633, Montchanin, DE 19710-0633.

ANALYTICAL

ORGANIC

FLUORINE

EDUCATION



BIOLOGICAL

PHYSICAL

INORGANIC

MEDICINAL

POLYMER May 21-23, 1991 INFORMATION

25th MIDDLE ATLANTIC
REGIONAL MEETING

HOSTED BY THE
DELAWARE SECTION, ACS

AT THE
UNIVERSITY OF DELAWARE
CLAYTON HALL



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Lynn F. Schneemeyer was born July 17, 1951, in Baltimore, Maryland, and received her B.A. in Chemistry from the College of Notre Dame of Maryland having done undergraduate research at the National Bureau of Standards (now N.I.S.T.) in Gaithersburg, Maryland and Argonne National Laboratory in Argonne, Illinois. She received her Ph.D. in Solid State Inorganic Chemistry in 1978 under the direction of M.J. Sienko. She spent two years as a post-doctoral research associate with M.S. Wrighton at MIT. In 1980, she joined the Research Area of AT&T Bell Laboratories as a Member of Technical Staff and was promoted to Distinguished Member of Technical Staff in 1987. Current research interests include the synthesis, crystal growth and characterization of new materials including high temperature superconductors and low dimensional solids such as the sliding charge density wave conductor, $K_{0.30}MoO_3$.

SUPERCONDUCTIVITY: WHAT'S HOT?

Although first discovered in 1911, superconductivity was thrust into the headlines and made a household word by a breakthrough in 1986. In that year, Bednorz and Muller discovered superconductivity at 28 K (-245°C), well above the previous highest temperature for superconductivity, in a new class of materials -- the copper oxides. Their work set off an explosion of activity among scientists that has now led to the discovery of many new "high temperature" superconductors and to a greater understanding of the properties of these fascinating new materials. What is the story behind the headlines? This talk will focus on the scientific progress that has been made and will discuss technological implications of some of the new findings.

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

Department of Chemistry and Biochemistry

SPRING SEMINAR SCHEDULE

March 5	Dr. Sam Wilson NIH	Structure Function Aspects of Mammalian DNA Polymerases
March 19	Dr. Cheng S. Lee UMBC, Engineering Dept.	Direct Control of Electro- osmosis in Capillary Electro- phoresis by Using an External Electric Field
April 2	Dr. Yorke E. Rhodes New York University	The Harmony of Alkyl Groups in Concert: Alkyl Group Migrations in Neopentyl and Pinacoyl Rear- rangements
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.

FEBRUARY MEETING

DATE:

Wednesday, February 13, 1991

PLACE:

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

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

by February 6. Late reservations may be made by calling

(301) 563-6167

by February 8; answering machine is available at this number.

Dinner price is \$14.00 per person, but spouses and retired chemists may attend for \$12.00; students may attend for \$7.00

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

Attention Maryland Section members!!!

Interested in taking a more active role in your local section?

If so, please attend the next Executive Board meeting, to be held at 7:30 pm Wednesday, February 6, 1991.

Location of meeting: the 2nd floor reading room of the Knott Science Center at the College of Notre Dame of Maryland.

For additional information call any of the local section officers (listed on page 3).



LYNN SCHNEEMEYER

COCKTAILS & DINNER:

Doyle Building Dining Room
Social Hour 6:00 pm
sponsored by Beckman
Dinner 7:00 pm

SPEAKER & TOPIC:

8:00 pm
Lynn Schneemeyer
AT&T Bell Laboratories
"Superconductivity -
What's Hot"

FUTURE MEETINGS

Date	Location	Speaker	Affiliation	Topic
Mar 6	Naval Academy	Keith Ward	Naval Research Laboratory	Protein Crystallography
Apr 10	West. Maryland	Student Awards		
May 15	Johns Hopkins	Remsen Award		

POLYMER CURRICULUM DEVELOPMENT AWARD WINNERS

Polymer Curriculum Development Award Committee received this year seventeen proposals for evaluation. The proposal "Polymer Chemistry Laboratory I and Polymer Science Curriculum Enhancement" submitted by Prof. Ray Kellman from San Jose State University was announced as the 1990 winner. A special award funded by Tripos Associates Inc. went to Prof. Joe Schlenoff from Florida State University for a proposal "Integration of Molecular Modelling into Polymer Chemistry Education". The \$10,000 awards, matched by the University, will be used to upgrade existing facilities, prepare new manuals, and provide summer support for students and faculty.

Proposals for the 1991 awards should be submitted to the Award Committee by March 15, 1991. Proposals and inquiries should be addressed to Professor Kris Matyjaszewski, Department of Chemistry, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213.

POLYMER TECHNOLOGY CONFERENCE

The ACS Polymer Division will celebrate its 40th birthday with a Polymer Technology Conference to be held June 3-5, 1991 in Philadelphia, Pennsylvania, where the division was founded. The site will be the Wyndham Franklin Plaza Hotel.

The conference will include a technical program with eight topical sessions and an extensive exhibit.

Conference chairman is J. C. Salamone, Rochal Industries, 499 E. Palmetto Park Road, Boca Raton, FL 33432, Tel. (407) 451-9260, (407) 395-4100, Fax (407) 451-9269.

EAS ANALYTICAL CHEMISTRY AWARD

Nominations are now being sought for the 1992 Eastern Analytical Symposium (EAS) Award for Achievements in the Fields of Analytical Chemistry. The award consists of a plaque, a \$1,000 stipend, and a special award symposium organized in recognition of the recipient. The Award will be presented at the 1992 EAS in Somerset, NJ in November, 1992. Established in 1986, this Award is designed to recognize an individual who has helped to shape the fields of analytical chemistry. A nomination letter describing the nominee, including specific accomplishments should be submitted along with a biographical sketch by August 1, 1990. Send all materials to Chairman, EAS Awards Committee, Eastern Analytical Symposium Inc., P.O. Box 633, Montchanin, DE 19710-0633.

EAS NIR SPECTROSCOPY AWARD

Nominations are now being sought for the 1992 Eastern Analytical Symposium (EAS) Award for Achievements in Near Infrared Spectroscopy. The award consists of a plaque and an Award Symposium organized in recognition of the recipient. The Award will be presented at the 1992 EAS in Somerset, NJ in November, 1992. Established in 1989, this award is designed to recognize an individual who has made major contributions to the development and implementation of near-infrared spectroscopy as a technique of growing importance to such areas as process analytical chemistry and industrial process control. The awardee will be one who is recognized as having helped to shape the field of near-infrared spectroscopy. A nomination letter describing the nominee, including specific accomplishments should be submitted along with a biographical sketch by August 1, 1991. Send all materials to Chairman, EAS Awards Committee, Eastern Analytical Symposium Inc., P.O. Box 633, Montchanin, DE 19710-0633. This award is sponsored by NIR Systems, Inc. through 1991.

Garden State Convention & Exposition Center



30th Annual Eastern Analytical Symposium
Somerset, New Jersey - November 11 - 15, 1991

Every year, during November and before Thanksgiving, comes EAS. In 1991, we hope that you will spend Thanksgiving with your family, and that you will spend the week of November 11 through 15 with your colleagues at the 1991 Eastern Analytical Symposium as we return for our second year in Somerset, NJ.

November 1991

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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

CALL FOR PAPERS

Deadline: April 15, 1991

Each year for the past decade, EAS has increased the number of contributed papers which complement the invited oral and poster sessions. Prospective authors should submit a 100 to 200 word abstract (a special form is NOT required for this) of their proposed presentation before April 15, 1991. Please indicate your preference for oral or poster format. Send your abstract to the EAS Program Committee, P.O. Box 633, Montchanin, DE 19710-0633. Care should be exercised in listing the title and authors of the proposed presentation, since the title and authors are considered final, and are NOT subject to change. Authors of accepted papers will receive forms in May 1991 for submission of the final 200 to 300 word abstracts.

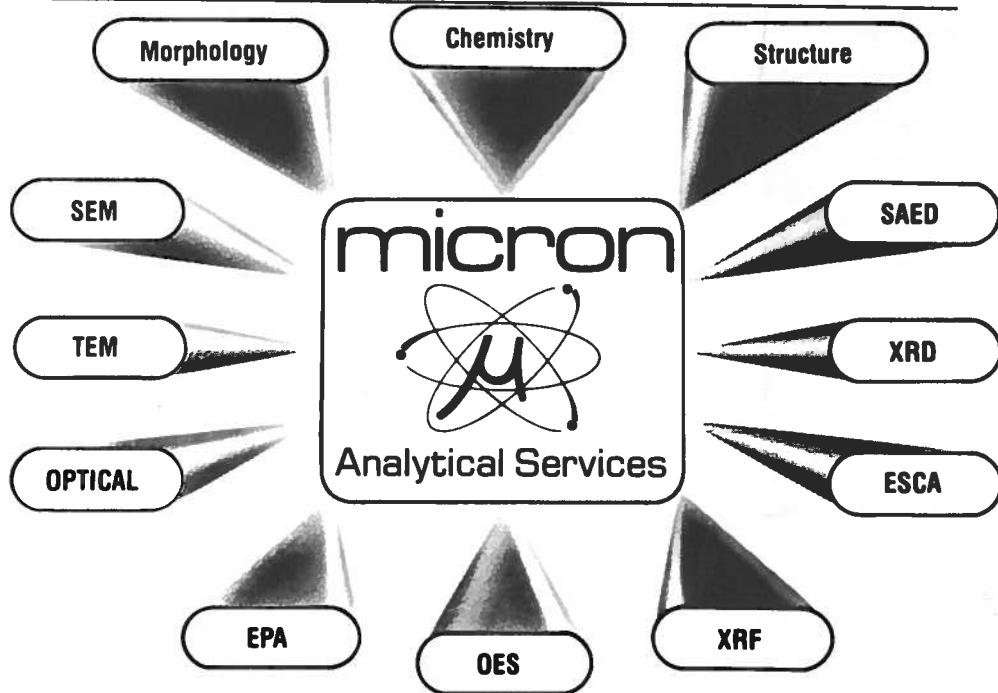
To be added to the EAS mailing list, or if you have any questions, please contact: the EAS HOTLINE at (302) 453-0785, or the EAS FAXLINE at (302) 738-5275.

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