



THE CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XLVI

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NUMBER 4

AMERICAN CHEMICAL SOCIETY
For
Outstanding Achievement in Chemistry



The American Chemical Society's Office of High School Chemistry and the ACS Division of Chemical Education announce a new project aimed at improving communication among science educators. The "Science Education Newsletters Database" (SEND) is collecting information on all science education periodicals. This information will be available in early 1991 in both printed and electronic formats.

Database manager David Licata stated, "SEND is an important ACS contribution to improving communication for science educators at all levels." Periodical publishers will be able to communicate with their peers more easily. Others with an interest in disseminating information to specific groups of science educators will have a ready means for contacting their audience. The database development project plans to collect data on all journals, magazines, newsletters, and other periodical publications dealing with science education.

This communication improvement effort will distribute printed copies of the database free to all publications listed on SEND by December 31, 1990. In addition, those publishers or editors who send a blank computer diskette will receive a free ASCII delimited file of the database information (MS-DOS format, one per publication only).

The following information is requested about science education publications:

Editor's name and title
Publication name
Publisher
Address (include ZIP code)
Geographic area served
Frequency of publication
Target audience
Telephone and FAX numbers

Send the information to David Licata, SEND Project, American Chemical Society, 1155 Sixteenth St., N.W., Washington, DC 20036. You may FAX information to (202) 872-6336 or leave a BITNET message for dp197@cas.

EXECUTIVE COMMITTEE TO MEET

The Executive Committee of the Maryland Section of the ACS will meet on May 2 at 7:00 pm in the reading room on the second floor of the Knott Science Center at the College of Notre Dame of Maryland.

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elements (C, H, O, N, S, X, ash, metals)
molecular weights, B.T.U., T.O.C
emission spectroscopy, chromatography



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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.

Michael J. Kuhar was born in Scranton, Pennsylvania in 1944. He attended the University of Scranton, graduating in 1965. He majored in Physics with a minor in Philosophy. He attended graduate school at Harvard University as an Atomic Energy Commission Fellow, but after several months decided to work in the life sciences, an area that had long been an interest. He transferred to the Johns Hopkins University Department of Biophysics where he completed requirements for the Ph.D. degree in 1970. His thesis research was carried out under the supervision of Dr. Solomon H. Snyder in the Department of Pharmacology and Experimental Therapeutics in the Johns Hopkins University School of Medicine. His thesis topic was the synaptosomal localization of a high affinity transport mechanism for glutamic acid, a suspected neurotransmitter.

Dr. Kuhar did postdoctoral training in the Department of Psychiatry and Behavioral Sciences at Yale under the supervision of Dr. G. Aghajanian and Dr. R. Roth. During this period he carried out a variety of studies characterizing the neurons that utilize serotonin as a neurotransmitter in brain. Also, he began his studies on the high affinity choline transport system which was a topic of his research for many subsequent years.

In 1972 he took a position as Assistant Professor in Pharmacology and Psychiatry at the Johns Hopkins University School of Medicine. He was part of the Neuropharmacology Unit of Dr. Solomon H. Snyder. His research on the high affinity transport systems for choline and other neurotransmitters in brain were successful and he was promoted to Associate Professor in 1976. Around this time, he developed his interest in localizing receptors by autoradiography. These studies were very successful and Dr. Kuhar is probably best known for this work.

When the Department of Neuroscience was formed in the School of Medicine, Dr. Kuhar accepted a position as Associate Professor in that new department. The following year, 1981, he was promoted to Professor in the Departments of Neuroscience, Pharmacology and Psychiatry. His work at this time was almost entirely on the distribution of receptors and on the utilization of techniques for describing and identifying receptors in brain. Besides autoradiographic techniques, he was a senior member of a team that succeeded in localizing receptors in living human brain by PET scanning. In his faculty role, he helped establish the new Department of Neuroscience, taught in its new courses and was instrumental in beginning the graduate program in Neuroscience.

In July of 1985, Dr. Kuhar accepted a position as Chief of the Neuroscience Branch at the Addiction Research Center, the intramural research program of the National Institute on Drug Abuse. He simultaneously continues as Professor, part-time, at the Johns Hopkins University School of Medicine. In his role as Neuroscience Branch Chief, Dr. Kuhar oversees about 30 Ph.D. scientists in three separate laboratories. His own laboratory is currently focusing on the mechanism of action of psychostimulant drugs as well as on the distribution of various drug receptors in brain.

He is an active member of several professional societies and has been the recipient of professional honors. He received the Distinguished Young Scientist in Maryland Award in 1977, the Daniel H. Efron Award in 1984, the Malthilde Solowey Award for Research in Neurosciences in 1985, gave the First Ariens Lecture in 1985 and was the Sterling Lecturer in 1987 and 1988 at the Tufts University School of Medicine and the University of Kentucky. He recently received one of the highest awards in ADAMHA, the Administrator's Award for Meritorious Achievement, and was appointed to the Senior Executive Service. He is on the editorial boards of many journals and is the author of about 400 books, research papers, reviews and abstracts. He has trained more than 25 graduate students, fellows and visitors in his laboratory, many of whom occupy important academic and industrial positions around the world.

APRIL MEETING



MICHAEL J. KUHAR

DATE:

Wednesday, April 18, 1990

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.

MASS SPECTROMETRY

- Phase Identifications
- Quantitative Analyses
- Impurity Determinations
- Amorphous/Crystalline Studies
- Polymorph/Oxidation/Hydration Characterizations

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SCHEDULE:

- 6:00 Decker Auditorium
Lewis Hall
Social Hour (sponsored by Fisher Scientific)
- 7:00 Engler Dining Hall
Dinner - Dining Porch
- 8:00 Decker Auditorium
Lewis Hall
Student Awards Ceremony
- 8:20 Lecture
Michael J. Kuhar
Addiction Research Center
Nat. Inst. on Drug Abuse
"The Biochemical Basis of Cocaine Addiction"

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 April 11. Late reservations may be made by calling (301) 563-6183 by April 12 (answering machine).

Dinner price \$13.00 per person, but spouses, retired chemists and students may attend for \$10.00

FUTURE MEETINGS

May 16:

The Johns Hopkins University
Remsen Award meeting
Robert G. Bergman
University of California
Berkeley

April 22-25:

Baltimore Convention Center
American Oil Chemists' Society
1990 Annual Meeting

August 12:

Picnic
Belmont Conference Center
Details next month

MARYLAND SECTION STUDENT AWARDS

Chairman Donald P. Hoster of the Student Awards Committee has announced the nominees for the ACS Maryland Section Student awards for 1990. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 18 dinner meeting at Western Maryland College. In addition to being recognized at the meeting, each will receive a one year subscription to The Journal of Chemical Education or some other ACS journal of their choice.

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

Mr. Robert Konkle, Anne Arundel Community College
Ms. Diana Sahyoun, Community College of Baltimore
Mr. Michael Chapman, Catonsville Community College
Mr. Eugene G. Marquard, Essex Community College
Mr. Craig Steven Miser, Harford Community College
Mr. Alexander Taylor, Howard Community College
Ms. Vanessa Kraft, Villa Julie College

Mr. Hyok Yang, Coppin State College
Ms. Jill A. Tobias, Goucher College
Ms. Denise Flickinger Harr, Hood College
Mr. David E. Liss, The Johns Hopkins University
Mr. Thomas J. Ghiorzi, Loyola College
Ms. Claudine Hutchinson, Morgan State University
Ms. Davida K. Grella, Mount Saint Mary's College
Midn. Jeffrey S. Dodge, United States Naval Academy
Ms. Teresa Adams, College of Notre Dame of Maryland
Mr. Mohammed W. Sulaiman, Towson State University
Mr. Carl S. Weisbecker, University of Maryland, Baltimore County
Ms. Julie Ann Herling, Western Maryland College

WILLIAM STEELE NAMED EDITOR

Professor William A. Steele, Pennsylvania State University, has been named editor of the American Chemical Society journal *Langmuir*. He succeeds Prof. Arthur W. Adamson, University of Southern California, who had been editor since the monthly journal began publication in 1985.

Born in St. Louis, Mo., Dr. Steele received a B.A. degree from Wesleyan University in 1951 and a Ph.D. in chemistry in 1954 from the University of Washington. He moved to Penn State in 1954 as a postdoctoral fellow, becoming assistant professor of chemistry in 1955, associate professor in 1961, and professor in 1966.

Dr. Steele has been a visiting professor and has held honorary fellowships at a number of universities in the United States, Europe, and Australia. He also has served on editorial boards for nine scientific journals, including *Langmuir*, and was associate editor of the *Journal of Physical Chemistry* in 1980-88.

Langmuir covers the entire range of surface and colloid chemistry, which deals with emulsions, membranes, films, electrode processes, catalysis, and many other basic areas of chemistry. Its average of 1,700 pages a year includes articles on original research, reviews, commentaries, symposia, and national award lectures, with an emphasis on new physical insights. It is named for the internationally known chemist Irving Langmuir, who in 1932 won the Nobel Prize in Chemistry for his work in surface chemistry.



The ACS
Division of
Chemical Information

Herman Skolnik Award

In honor of the first recipient, the ACS Division of Chemical Information established the Award to recognize outstanding contributions to and achievements in the theory and practice of chemical information science.

By this Award, the Division of Chemical Information hopes to provide role models that scientists may emulate in the continuing advancement of chemical information science, in areas such as:

- Production and dissemination of chemical information:
- Editorial innovations:
- Design of new and unique indexing, classification, and notation systems:
- Design of new and unique computerized information systems:
- Chemical nomenclature:
- Structure-activity relationships:
- Data correlations.

The Award consists of a \$500 honorarium and a plaque. The recipient is expected to give an address at the time of the presentation of the Award. The 1991 Award Symposium will take place at the 202th National Meeting of the American Chemical Society in New York, N.Y. on Tuesday, August 27, 1991. In recent years, the Award Symposium has been organized by the recipient.

Nominations should describe the nominee's contributions to the field and should include supporting material such as a biography and full bibliography of papers and presentations, and an evaluation of the accomplishments. Three seconding letters are required. The deadline for nominations for the 1991 Award is June 1, 1990. Nominations should be sent to:

ACS Division of Chemical
Information
Awards Committee
Ms. Ruthann Bates, Chairman
Aspen Systems Corporation
1600 Research Boulevard
Rockville, MD 20850

EASTERN ANALYTICAL SYMPOSIUM

The Eastern Analytical Symposium is proud to announce the following names of the 1990 awardees in Analytical Chemistry and Chromatography.

Dr. Allen J. Bard, Hackerman/Welch Regents Chair, Department of Chemistry, University of Texas at Austin, is the 1990 recipient of the Eastern Analytical Symposium Award for the Outstanding Achievement in the Fields of Analytical Chemistry.

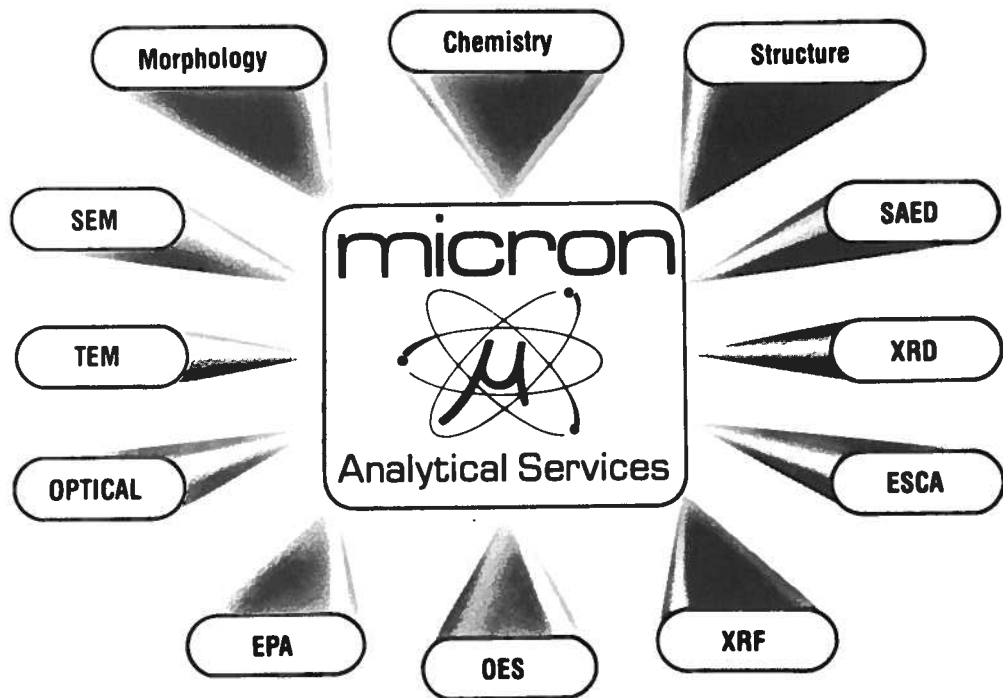
Dr. Daniel W. Armstrong, Chairman of the Analytical Chemistry, Department of Chemistry, University of Missouri-Rolla, is the 1990 recipient of the Eastern Analytical Symposium Award in Chromatography.

EAS plans to have special symposia to honor these awardees at its November 12-16, 1990 meeting to be held at our new location at the Garden State Convention & Exhibit Center in Franklin Township in Somerset County, New Jersey. The Garden State Convention & Exhibit Center is located just off I-287, midway between New York City and Philadelphia. In conjunction with the Symposium, the Somerset Hilton Hotel will be the host hotel for the 1990 EAS.

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