



THE

# CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. LIV

APRIL, 1998

NUMBER 4

## AMERICAN CHEMICAL SOCIETY

For  
Outstanding  
Achievement  
in  
Chemistry



# The Johns Hopkins University 1998 Spring Chemistry Colloquium Schedule

Remsen 233, Tuesdays, 4:15 pm  
For more information contact Rosalie Elder (410) 516-7432

April 7	Dr. Mark Gordon Iowa State University	Ubiquitous water
April 13 <i>Monday</i>	Dr. Wayne Jones SUNY, Binghamton	Conjugated porphyrin polymers: From molecular wires to LED's
April 21	Dr. A. W. Castleman Pennsylvania State University	Shedding light on Met-Cars: A unique class of molecular clusters
April 29 <i>Wednesday</i>	Dr. Thomas Bell University of Nevada, Reno	Artificial receptors: Design, synthesis and biomedical applications
May 5	Dr. Amir Hoveyda Boston College	Recent advances in asymmetric catalysis
May 12	Dr. David Lemal Dartmouth College	Adventures in fluorocarbon chemistry



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Dr. Richard C. Honeycutt  
H.E.R.A.C., Inc.

**"The Risks and Benefits of Chemicals in Modern Society"**

This presentation examines the phenomenon known as "chemiphobia" in our modern society. Chemicals and chemical effects on the environment are highly visible in our society through the media. Each day, headlines are made by environmental issues related to chemicals. However, modern civilization is highly dependent on chemicals and chemical technology - from the food we eat to the cars we drive - to the medicines that prolong the average life spans of Americans.

Several benefits of chemicals are listed. As well, chemicals in modern society [present finite risks. These risks are defined in quantitative terms and related to the risks encountered in everyday living (i.e., accidental death, lightning deaths, smoking, etc.). Using this approach, it can be seen that chemicals present risks within the realm that we casually take for granted. This presentation helps one to rationalize risk and come to the realization that chemical risk is an integral part of the benefits that we derive from the constant human desire for leisure and pleasure. In this context, most chemical risks are acceptable. Further, the unacceptable chemical risks must be eliminated from society to add to the welfare of the public.

**About the Speaker.....**

Richard Honeycutt was born in 1945 in Newport News, Virginia. He attended Anderson College, Anderson, Indiana and received an A.B. degree in Chemistry in 1967. Dr. Honeycutt was an NIH predoctoral fellow from 1968 - 1971 and received his Ph.D. in Biochemistry from Purdue University in 1971. He served as a postdoctoral fellow at the Smithsonian Institute's Radiation Biology Laboratory from 1971 - 1973. From 1973 - 1976, he was employed by Rohm and Haas Company, Philadelphia, Pennsylvania, as a Senior Chemist in pesticide research and development. In 1976, Dr. Honeycutt came to CIBA-GEIGY Corporation, Greensboro, North Carolina, as a Senior Metabolism Chemist and performed research in pesticide metabolism from 1976 - 1980. In 1980, he joined the Environmental Investigations Group at CIBA-GEIGY and currently performs pesticide environmental research in areas such as groundwater exposure assessment, worker exposure assessment, environmental fate of pesticides, pesticide ecotoxicology and risk assessment for fish and wildlife.

Dr. Honeycutt received the ACS Agrochemical Fellow Award in 1985. He is a member of the Society of Environmental Toxicology and Chemistry, IUPAC, and the Pesticide Committee of the International Commission of Occupational Health. He has published widely in several areas of plant biochemistry and pesticide chemistry and has edited or helped to edit six books in the area of pesticide chemistry.

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**INVENTORS HALL OF FAME**

The ACS Committee on Patents & Related Matters invites ACS members to suggest candidates for induction into the National Inventors Hall of Fame. The invention on which the nomination is based must be covered by a U. S. patent. The invention must have contributed greatly to the national welfare and significantly promoted scientific progress. Nomination forms are available from Debbie Fillinich, ACS, 1155 - 16th st., N.W., Washington, D.C. 20036; phone (202) 872-4476; e-mail d\_fillinich@acs.org.

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**MARM 2000 @ TOWSON WEBPAGE**

For the latest information about MARM 2000 go to  
<http://www.towson.edu/chemistry/marm.htm>

# APRIL MEETING

**Student Awards For Outstanding Achievement in Chemistry**  
Thursday, April 23, 1998

**Western Maryland College**  
Westminster, Maryland

**Agenda**

- 5:45 pm - 7:00 pm Social and Networking Reception, Foyer of the Lewis Hall of Science
- 5:45 pm - 6:30 pm "The Chemistry Marketplace: Key Job Seeking Skills for Students", Ms. Doreen McDonald, Lab Support
- 7:00 pm Dinner in the Forum, Decker College Center
- 8:00 pm Presentation of Student Awards, Decker Auditorium, Lewis Hall of Science
- 8:15 pm "The Risks and Benefits of Chemicals in Modern Society", Dr. Richard Honeycutt, H.E.R.A.C., Inc.

**Meeting Registration**

Please call the Section reservation line 410-532-5712. Reservations must be made by 12:00 noon on Monday April 20, 1998 by calling Dr. Shirish Shah at the Section reservation line 410-532-5712. Dinner price is \$17.00 (\$15.00 for spouses and retired members and \$8.50 for students). Mail checks payable to Maryland Section, American Chemical Society to Dr. Shirish Shah, Department of Chemistry, College of Notre Dame of Maryland, 4701 North Charles Street, Baltimore, Maryland, 21210. Late reservations will be accepted on a space available basis. You may attend only Dr. Honeycutt's talk without attending dinner. It is not necessary to be a member of the American Chemical Society to attend.

**Directions to Western Maryland College**

Travel north on Route 140 to Westminster. Turn left to Route 31. At the first traffic light, turn left to Route 32 (Main Street). Turn right to the Harrison House Parking Lot and look for signs directing you to the ACS Meeting

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**EAS DEADLINE APPROACHES**

April 15 is the deadline for receipt of preliminary abstracts for the 1998 Eastern Analytical Symposium (EAS). The meeting will be held at the Garden State Convention Center in Somerset, NJ, November 15-20.

Interested authors should submit a typed 200-250 word abstract of the proposed paper, including preference for oral or poster form, to Program Committee, P.O. Box 633, Montchanin, DE 18710-0633.

For additional information contact the EAS Hotline at (302) 738-6218 or the EAS Faxline at (302) 738-5275 or [easinfo@aol.com](mailto:easinfo@aol.com)

**Ms. Doreen McDonald**  
**Lab Support, Inc.**

**"The Chemistry Marketplace: Key Job Seeking Skills for Students"**

*This presentation will be a discussion of current hiring trends in the chemistry field including realistic salary expectations and the types of skills that are in highest demand for entry-level chemists. Interviewing skills, job search strategies, resume writing skills, and appropriate follow up techniques will also be covered. As time allows, a candid question and answer session and brief evaluation of resumes will also be conducted.*

**About the Speaker.....**

*A native of central New York, Doreen McDonald graduated from the State University of New York in 1992 with a B.A. in Chemistry, Secondary Education. She taught high school chemistry for two years in Leonardtown, Maryland. Ms. McDonald also spent three years as an analytical chemist with W. R. Grace and Company where her primary responsibilities were in hplc method development. Currently, she is an account executive with Lab Support, Inc., where she specializes in placing scientific professionals in short and long term laboratory assignments.*

**PLANNING CHEMISTRY GRADUATE WORK**

The ACS Committee on Professional Training (CPT) has announced publication of the sixth edition of *Planning for Graduate Work in Chemistry*. This brochure was written for anyone considering graduate work in chemistry or chemically related disciplines. It gives suggestions for preparation, selection and application for graduate school.

Free copies may be requested from the Office of Professional Training at ACS headquarters; by phone at (800) 227-5558, x4589; by e-mail at [can98@acs.org](mailto:can98@acs.org); it is also accessible on the Web at <http://www.acs.org/cpt/hp.htm>.

**CHEMATHON 1998**

The annual Chemathon will be held in May at the University of Maryland in College Park. The Section has supported this affair for years, aiding with labs, providing judges and presenting awards. Assistance is always needed. The time is from 8:30 to noon on a Saturday. To offer your services contact Mike Zapf at [mike.zapf@mccormick.com](mailto:mike.zapf@mccormick.com) or send a message to the ACS ListServe at [ACSMD-L@FOODSAFETY.GOV](mailto:ACSMD-L@FOODSAFETY.GOV)

**ELEMENTARY SCHOOL ACTIVITIES**

Elementary school activities, conducted throughout 1997, touched more than 5,000 students, parents and teachers. These Kids & Chemistry programs were held in schools in Baltimore City and in Baltimore, Harford, Anne Arundel, Howard and Montgomery Counties. The Kids & Chemistry Steering Committee comprised Shirish Shah, Victoria Kuntz, Anna Kraut and Sue Kastfanos.

**AIC CELEBRATES SEVENTY-FIVE YEARS**

The Chemical Heritage Foundation, founded in 1982 by the ACS and the AIChE, will co-sponsor The American Institute of Chemists 75th anniversary meeting at the Warwick in Philadelphia, May 28-30, 1998. In addition, CHF is working closely with AIC in preparing an archival display demonstrating the history of the AIC. The display will be showcased at CHF's new location in Independence National Historical Park.

**MARYLAND SECTION STUDENT AWARDS**

Chairman Carl E. Minnier of the Student Awards Committee has announced the nominees for the ACS Maryland Section Student Awards for 1998. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 23 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*.

The awardees are:

Simon Adejumo, Baltimore City Community College  
Damon A. Brown, Morgan State University  
Michael Leonard, Goucher College  
Ann Thusius Purpura, Anne Arundel Community College  
Sheila Wilkens, Catonsville Community College  
Yasmin Khan, College of Notre Dame of Maryland  
Mark C. Zaros, The Johns Hopkins University  
Frederick J. Cox, Jr., Loyola College in Maryland  
Kou-Wei Chiu, University of Maryland, Baltimore County  
Kenneth Baker, Essex Community College  
Sarah Anne Chenoweth, Western Maryland College  
Daniel A. Brady, Towson University  
Jennifer L. Mitchell, Washington College  
Erin Goley, Hood College  
Jacqueline Christine McDowell, United States Naval Academy  
Jessica M. Sewell, Villa Julie College  
Robert Edward Reit, St. Mary's College  
Brian M. Kozlowski, Mount St. Mary's College

**LISTSERVE** - the Section now has an address at [ACSMD-L@FOODSAFETY.GOV](mailto:ACSMD-L@FOODSAFETY.GOV) thanks to Diane Schmit and friends.

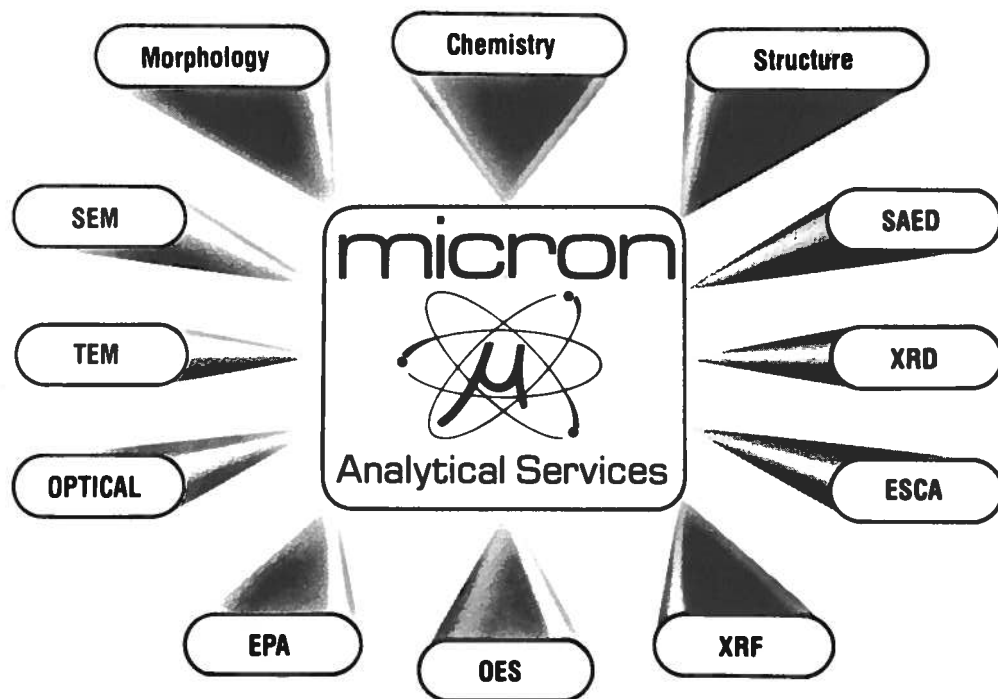


Kids & Chemistry at the Maryland Science Center: Mark Greenberg in right foreground, Ernest Silversmith at center rear.

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#### AUDIO TRAINING KITS

The Maryland Section has a small selection of ACS audio training kits for loan. These are high quality kits on the following topics:

Statistics for Chemists  
Infrared Spectroscopy  
Scientific German  
C-13 NMR Spectroscopy

Each can be borrowed for up to one month for a small handling charge to pay for postage and insurance.

Other topics may be added in the future, depending on demand.

Contact Dr. Shirish Shah at the College of Notre Dame, phone (410) 532-5712.