



THE

# CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XLVIII

APRIL, 1992

NUMBER 4

AMERICAN CHEMICAL SOCIETY

For

Outstanding Achievement in Chemistry



MARYLAND SECTION STUDENT AWARDS

Chairman Stephen M. Gregory of the Student Awards Committee has announced the nominees for the ACS Maryland Section Student Awards for 1992. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 15 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* or some other comparable ACS journal.

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

Mr. James Remolde, Anne Arundel Community College  
 Ms. Wai Fun Wong, Catonsville Community College  
 Mr. John Scott Pettingill, Community College of Baltimore  
 Mr. David Mark Gilbert, Essex Community College  
 Ms. Donna L. Marshall, Harford Community College  
 Mr. Gary Booker, Howard Community College

Ms. Doni Brode, College of Notre Dame of Maryland  
 Mr. Edward R. Zartler, Goucher College  
 Ms. Jaqueline Nabayimbazi Luyimbazi, Hood College  
 Ms. Heather L. Schenck, Johns Hopkins University  
 Mr. Timothy J. Lipka, Loyola College in Maryland  
 Mr. Robert Blackmon, Morgan State University  
 Ms. Tammy J. Bauman, Mount Saint Mary's College  
 Mr. Michael M. Rosenblatt, Towson State University  
 Mr. Hernan Altamar-Estrada, United States Naval Academy  
 Ms. Deborah L. Kunkel, University of Maryland, Baltimore County  
 Ms. Heather Ann Scholtz, Washington College  
 Ms. Christine Ann Pieper, Western Maryland College



In 1991 the Maryland Section recognized two outstanding teachers. Pictured at the November meeting, just after receiving the "supplier award" of boxes of laboratory supplies given by Baxter Scientific, are Ann Kenney of Owings Mills High School and John Roach of Polytechnic. The Section also presents a plaque, a modest cash award and an invitation to a dinner meeting at which the award is presented.



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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.

## DAVID A. KATZ

David A. Katz is an Associate Professor of Chemistry at the Community College of Philadelphia where he has been a full-time faculty member since January 1968. His early interest in chemistry was gained through chemistry sets along with supplies obtained through a chemist friend of his family, supplemented by textbooks from second-hand book shops. Although he majored in art through most of high school, his interest in science led him to apply to Drexel University where he received his B.Sc. in Chemistry in 1967. In 1974, he received his M.Sc. in Inorganic Chemistry from Villanova University.

His primary interests are in undergraduate chemical education, science education for children, public understanding of science, the chemistry of everyday things, safety in the academic laboratory, and the history of chemistry, presenting workshops and publishing papers in these areas. He is best known for his demonstration programs and has gained international attention for his program "Chemistry in the Toy Store" which appeared as a feature article in the 1988 *Yearbook of Science and the Future* of the Encyclopedia Britannica.

Prof. Katz has been active in presenting workshops and special programs for children and adults in the physical sciences which provide hands-on activities and investigations with everyday things. Since 1984, he has been a faculty member of the Institute of Chemical Education (ICE) sponsored by the University of Wisconsin-Madison for the "K-12 Supplements" workshop teaching teachers how to utilize and develop chemical demonstrations for their classes. In 1985 thru 1987, he initiated this program for ICE at the University of Arizona-Tucson, the University of Maryland-College Park, and the University of Northern Colorado.

Prof. Katz has been active in ACS at both the local and national levels. He is on the Board of Directors of the Philadelphia Section, a Councilor, and served as Chairman in 1984. He served as Treasurer of the Division of Chemical Health and Safety, and the 1989 College Chemistry Examination Committee, and is serving on the Two-Year College Chemistry Committee and the Pre-High School Science Committee of the Division of Chemical Education. Other memberships include the American Association for the Advancement of Science, the Royal Society of Chemistry, the National Science Teachers Association, the Society for the History of Alchemy and Chemistry, the American Association of Physics Teachers, and the History of Science Society.

Prof. Katz's teaching achievements and contributions to chemical education have been recognized by the Chemical Manufacturers Association with the 1983 National Two-Year College Chemistry Catalyst Award. In addition, he was chosen by the Middle Atlantic Region of the ACS as recipient of the 1983 E. Emmet Reid Award for outstanding chemistry teaching at a small college.

### CHEMISTRY IN THE TOY STORE

The chemistry of everyday materials affects our lives in the form of consumer items that are used in the kitchen, laundry, bedroom, workshop, garden, and place of work. One place of particular interest is the toy store. Toys are an area where chemical items are common, not just in the materials that playthings are composed of, but many playthings themselves involve chemicals, chemical reactions, or the unique properties of a particular material. Whether it is a chemistry set, a silicone putty, a polymer with unusual properties, liquid crystals, or the batteries used to power mechanical or electronic items, the toy store is a unique place for chemical products. This presentation will demonstrate a variety of chemical toys, old and new, such as balloons, Silly Putty, Slime, Magic Sand, Dissolving Dollars, and others and discuss them with respect to what they are and how they work.

## APRIL MEETING

### DATE & PLACE:

Wednesday, April 15, 1992  
Western Maryland College  
Westminster, Maryland

### SCHEDULE:

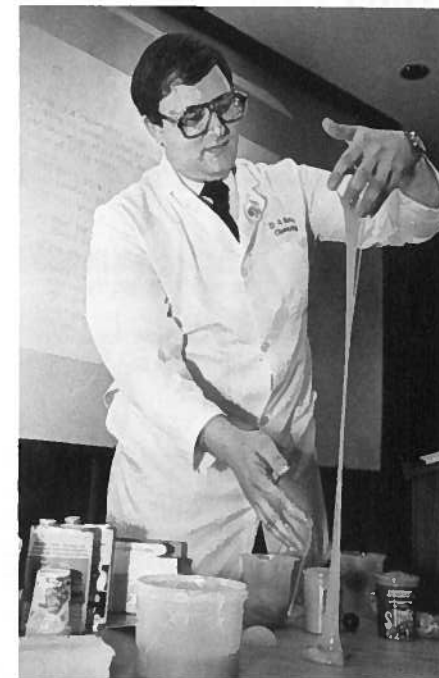
- 6:00 Social Hour  
Decker Auditorium  
Lewis Hall
- 7:00 Dinner - Dining Porch  
Engler Dining Hall
- 8:00 Student Awards Ceremony  
Decker Auditorium
- 8:30 Lecture  
David A. Katz  
Community College  
of Philadelphia  
"Chemistry in the Toy Store"

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

Dr. Stephen M. Gregory  
College of Notre Dame  
4701 North Charles Street  
Baltimore, Maryland 21210

by April 8. Late Reservations may be made by calling (410) 532-5714 by April 10 (answering machine available).

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



DAVID A. KATZ

Dinner price is \$16.00 per person, but spouses and retired chemists may attend for \$14.00; students may attend for \$8.00.

### 14th International Symposium on Capillary Chromatography

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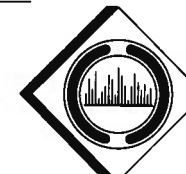
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# The Johns Hopkins University 1992 Spring Chemistry Colloquium Schedule

Remsen 221, Tuesdays, 4:15 p.m.  
For more information contact Rosalie Elder (410) 516-7432

March 31	<b>Dr. Cecil Robinson</b> Johns Hopkins School of Medicine	"Cytochrome P-450 Aromatase: Chemical and Biochemical Studies with a Remarkable Estrogen-synthesizing Enzyme"
April 14	<b>Dr. Luigi G. Marzilli</b> Emory University	"Multinuclear NMR Studies in Bioinorganic Chemistry"
April 21	<b>Dr. Doreen Leopold</b> University of Minnesota	"Gas-phase Studies of Organotransition Metal and Organosilicone Transients by Negative Ion Photoelectron Spectroscopy"

## MARYLAND CHEMIST AWARD COMMITTEE

The Maryland Chemist Award Committee is constantly seeking nominees for this award. For details concerning the criteria for the award or method for making nominations, contact the chairman of the committee, Elwin C. Penski 671-3953 or 671-2366 during normal work hours, 877-2923 or 879-8589 at other times.

Members interested in serving on the award committee are also invited to contact Mr. Penski.

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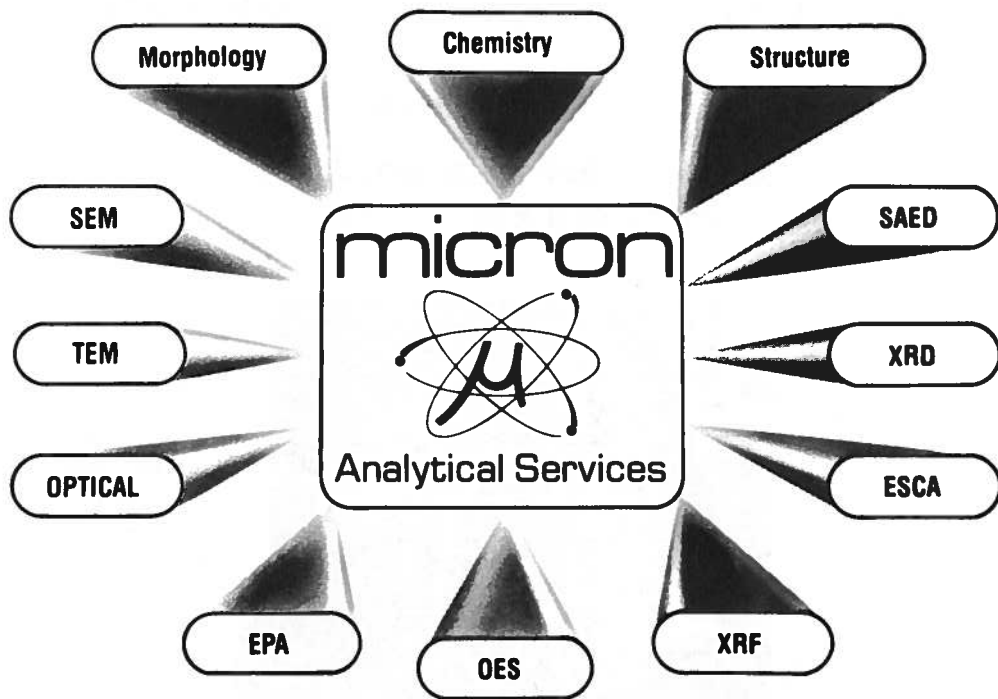
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