



# THE CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XXXIX

NOVEMBER, 1983

NUMBER 8

GENERAL ANNOUNCEMENT AND FIRST CALL FOR PAPERS

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Program Chairman  
Dr. Heinz D. Roth  
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Exhibits Chairmen  
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Dr. James M. Schlegel  
Chemistry Department  
Rutgers University  
73 Warren Street  
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201 648-5282

## MIDDLE ATLANTIC REGIONAL MEETING

Hosted by  
North Jersey Section—ACS  
N.J.I.T. and RUTGERS UNIVERSITY  
May 21-23, 1984

### SYMPOSIA AND TECHNICAL SESSIONS

- Molecular Modeling & Drug Design
- Health & Reproductive Hazards of Chemicals
- Chemical Information
- Photo Imaging
- $\beta$ -Lactams & Natural Products
- Topics in HPLC
- History of Chemical Education in MARM Area
- History of Chemical Industry in North Jersey
- Lasers in Chemistry
- Developments in Color Chemistry
- Complex Environmental Studies
- Polymer Stabilization
- Synthetic Methodology
- Biotechnology
- Biochemical Mechanisms
- Solutions & Solid State NMR Spectroscopy of Polymers
- Mechanistic Photochemistry
- Synthetic Photochemistry
- Chemistry of Fuels
- Polymer Structure & Reactivity
- Heterocyclic Chemistry
- Enzymology
- Laboratory Automation

REMSEN AWARD

The Remsen Award Committee is accepting nominations and suggestions for the 1984 Remsen Award. Nominations and requests for information should be sent to Dr. Robert L. Caret at Towson State University.

ACS VIDEO SHORT COURSE

There may still be room for a few more late registrants for the short course entitled *Chemical Engineering for Chemists* to be held on November 14 and 21.

Information may be obtained from Alvin Bober (455-2491 or 821-5980).

GOUCHER COMPUTER COURSES

The Goucher College Center for Educational Resources is offering seven short non-credit courses on computers this year. There will be introductory courses on microcomputers, graphics and word processing as well as more advanced courses on database management systems, BASIC programming (Apple II), micro-computer accessories and multi-user microcomputer systems.

Further information can be obtained by calling 337-6200.

MARM CALL FOR PAPERS

The call for papers has been issued for the 18th Middle Atlantic Regional Meeting, to be held May 21-23, 1984. Deadline for abstracts is February 1, 1984, and the program chairman is Dr. Heinz D. Roth, Room 1A-219, Bell Laboratories, Murray Hill, N.J. 07974; telephone (201) 582-4256.

THE JOHNS HOPKINS UNIVERSITY

*Chemistry Department Colloquium Schedule*

Colloquia are held at 4:15 pm in Remsen Hall Room 221 on the Homewood Campus of The Johns Hopkins University. Refreshments are served at 4:00 pm.

<i>Day and Date</i>	<i>Speaker and Affiliation</i>	<i>Title or Field</i>
Tuesday November 1, 1983	Professor Charles R. Cantor Department of Human Genetics and Development Columbia University	"Nucleic Acids in Tight Places"
Tuesday November 8, 1983 (tentative)	Professor Evan P. Kyba Department of Chemistry University of Texas	Organic chemistry: reactive intermediates; photochemis- try; macrocyclic ligands; small heterocycles; transi- tion metal catalyzed reac- tions.
Tuesday November 15, 1983	Professor Patrick S. Mariano Department of Chemistry University of Maryland	Organic chemistry: mechan- istic and synthetic photo- chemistry; stereochemistry of ground and excited state processes; natural product synthesis.



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THE CHESAPEAKE CHEMIST STAFF

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COMMITTEE CHAIRPEOPLE - 1982

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444-3214

Chemical Education and Safety.....  
655-5254 Alvin Bober

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Towson State University

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653-3351

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Timothy McNeese Alice Zeiger  
Thomas Bitterworth

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Linda Sweeting Merle Eiss  
Timothy McNeese

*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 is an Assistant Professor of Chemistry at the Community College of Philadelphia. He was born and raised in Philadelphia, receiving his B.Sc. in Chemistry from Drexel University under their co-operative work-study program in 1967 and his M.Sc. in Inorganic Chemistry from Villanova University in 1974 working in the area of magnetic susceptibility studies of transition metal compounds.

His primary interests are in undergraduate chemical education, safety in the academic laboratory, the history of chemistry, and the chemistry of everyday things, presenting and publishing papers in these areas. In addition, he is an active reviewer of textbooks and laboratory manuals for several publishing companies and he also reviews for the *Journal of Chemical Education*.

He has been an active member of the American Chemical Society at both the local and national levels. Currently, he is Chairman-Elect of the Philadelphia Section and Cover Editor of *The Catalyst* (the Section's monthly news magazine). On the national level, he is Chairman of the Audit Committee for the Division of Chemical Health and Safety and on the Program Committee for the Division of Chemical Education.

This year, Mr. Katz has been recognized by the Middle Atlantic Region of the ACS as recipient of the E. Emmet Reid Award for chemistry teaching at a small college and he was chosen by the Chemical Manufacturers Association for the National Two-Year College Chemistry Catalyst Award.

#### CHEMISTRY IN THE TOY STORE

The chemistry of everyday materials can be an interesting and fascinating topic. One can usually find information on how chemistry affects our everyday lives in the form of consumer items that would be used in the kitchen, laundry, boudoir, workshop, garden, and place of work. One place that is often overlooked is the toy store. Toys have been 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, a material to make or mold another plaything, liquid crystals, or the batteries used to power mechanical or electronic items, the toy store is a unique place for chemical products.

Mr. Katz's talk, which is usually accompanied by a detailed explanatory hand-out, can be expected to delight a general audience. It includes discussions and demonstrations of soap bubbles, balloons, Shrinky Dinks, Silly Putty, Slime, Magic Sand, Magic Rocks and several other toys which utilize materials having unusual physical or chemical properties.

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#### SIGMA XI - THE SCIENTIFIC RESEARCH SOCIETY

The program chairman wishes to acknowledge the aid of the Chesapeake Chapter of Sigma Xi, and especially of Jim King, in making arrangements for the November meeting.

Sigma Xi, the Scientific Research Society, is an international honor society with chapters and clubs in industrial, academic and government institutions. Its purpose is to band together qualified scientists and engineers in the common cause of the advancement of science, to create a climate that will encourage high quality research.

## NOVEMBER MEETING



MR. DAVID A. KATZ

#### DATE:

Wednesday, November 16, 1983

#### PLACE:

Officers' Club  
Edgewood Area  
Aberdeen Proving Ground  
(NOT the Aberdeen Area)

#### RESERVATIONS:

Dinner reservations are necessary and should be made by mailing checks to

Nolan Phillips  
J. M. Huber Corp.  
Havre de Grace, MD 21078

#### SCHEDULE:

- 6:00 Social Hour  
(Cash Bar)
- 7:00 Dinner
- 8:30 David A. Katz  
Community College of  
Philadelphia  
"Chemistry in the Toy Store"

by November 7. Checks should be payable to Maryland Section of ACS. Late reservations may be made by calling Cheryl Manger (x 358) or Linh Cheong (x 208) at

(301) 355-3600

by November 10.

Dinner price \$9.00 per person, but retired chemists and students may attend the dinner for \$7.00

It is not necessary to be a member of the American Chemical Society to attend.

**DIRECTIONS:** Take I-95 north to exit 4. Take route 24 south to the Edgewood Area of Aberdeen Proving Ground. The guard will be expecting all who have made reservations. After being admitted by the guard, continue straight past a traffic light. The road will then be identified as Hoadley Road. Follow this to a stop sign, a chapel and Austin Road. Turn right on Austin Road. After a Children Warning sign bear left onto Parrish Road. The second right, Gunpowder Loop, will pass the front of the Officers' Club (Bldg E-4650). Parking is in the rear.

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#### ACS CONGRESSIONAL FELLOWS

The ACS is seeking candidates among practitioners of the chemical sciences for a one year appointment for its two ACS Congressional Fellowships. The deadline date for receipt of application materials is January 31, 1984, and the fellowship term begins in September of 1984. Further information can be obtained from Ms. Amanda B. Huston in the Department of Public Affairs at ACS headquarters in Washington, telephone (202) 872-4384.



# Towson State University

**Evening Courses  
Spring Semester 1984  
January 26 to May 21**

Chem. 1905.341 **PHYSICAL CHEMISTRY**  
— **THERMODYNAMICS** (lecture — 3  
credits) Wednesdays 7-9:50 p.m.

Chem. 1905.361 **CHEMICAL AND BAC-  
TERIOLOGICAL STUDIES ON**  
**WATER POLLUTION** (lecture — 3 cred-  
its) Thursdays 7-9:50 p.m. Instructor: Max Eisen-  
berg, Department of Health and Mental Hygiene,  
State of Maryland

Chem. 1905.363 **CHEMISTRY OF DAN-  
GEROUS DRUGS** (lecture — 3 credits)  
Wednesdays 6:30-9:20 p.m. Instructor: Frank R.  
Milio, Towson State University

Chem. 1905.417 **ADVANCED ANALYTI-  
CAL CHEMISTRY** Selected topics in analyt-  
ical and instrumental analysis (lecture — 3 cred-  
its) Tuesday and Thursdays 5-6:20 p.m.  
Instructors: Joseph J. Topping and David Larkin,  
Towson State University

Chem. 1905.423 **INORGANIC CHEMIS-  
TRY** (lecture — 3 credits) Mondays 7-9:50 p.m.  
Instructor: Alan J. Pribula, Towson State University

### Special New Course

Chem. 1905.461 **FOURIER  
TRANSFORM NUCLEAR  
MAGNETIC RESONANCE**  
(2 credits — lecture and laboratory)  
Instructor: Linda M. Sweeting,  
Towson State University  
Wednesdays 5:30-8:00 p.m.  
This course will feature hands-on use  
of Towson State's new JOEL FX90Q  
Fourier transform nuclear magnetic  
resonance spectrometer.

**Register early. Enrollment limited.**

Register by Mail: Deadline December 12  
In-Person Registration: January 16 and 17

For Course Information call: 321-3058  
For Registration Information and  
Materials call: 321-2022

## MARYLAND SECTION FUTURE PROGRAM

DATE AND LOCATION	SPEAKER	TOPIC
December 14, 1983 College of Notre Dame	Maryland Chemist of the Year	
February 15, 1984 College of Notre Dame	Alan Adler West. Conn. State U.	The Shroud of Turin
March 28, 1984 Aquarium in Baltimore	Aquarium Staff Member	Artificial Sea Water
April 25, 1984 West. Maryland Coll.	Basam Shakhshiri U. of Wisconsin	New Ideas and Exhorta- tions for Using Chemical Demonstrations
May , 1984 Johns Hopkins	Remsen Award	

### PROGRAM

Occasionally we hear criticism that our monthly meeting program does not offer anything for (you name it: engineers, for example).

Our program chairmen certainly do not mean to slight any segment of our membership, and you will always find them interested in receiving specific suggestions for speakers and topics.

### ACKNOWLEDGEMENT

We want to recognize, with thanks, VWR Scientific for sponsoring the social hour bar at the October meeting.

### SPECIAL ELECTION

The Maryland Section has been informed that, owing to the recent rapid increase in its membership, it now qualifies for an additional councilor and alternate councilor. Merle Eiss, presently an alternate councilor, has been chosen by the nominating committee to run for the new councilor position. In order to do this, Merle has resigned as alternate councilor, so we now have two alternate councilor vacancies to fill.

Please complete the following ballot and mail it to Cheryl Manger, 2533 Ebony Road, Baltimore, MD 21234. Please sign the envelope so that Section membership can be verified, but do not sign the ballot itself.

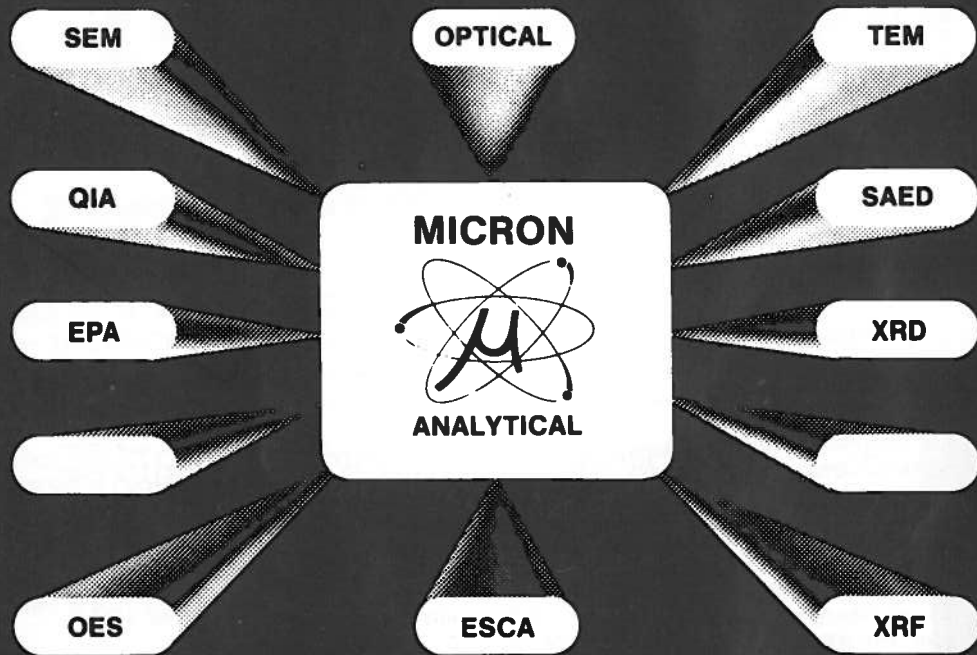
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Councilor	Merle Eiss	_____
		_____
Alternate Councilor	Bob Caret	_____
	Mike Zapf	_____
		_____
		_____

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