



THE

# CHESAPEAKE CHEMIST

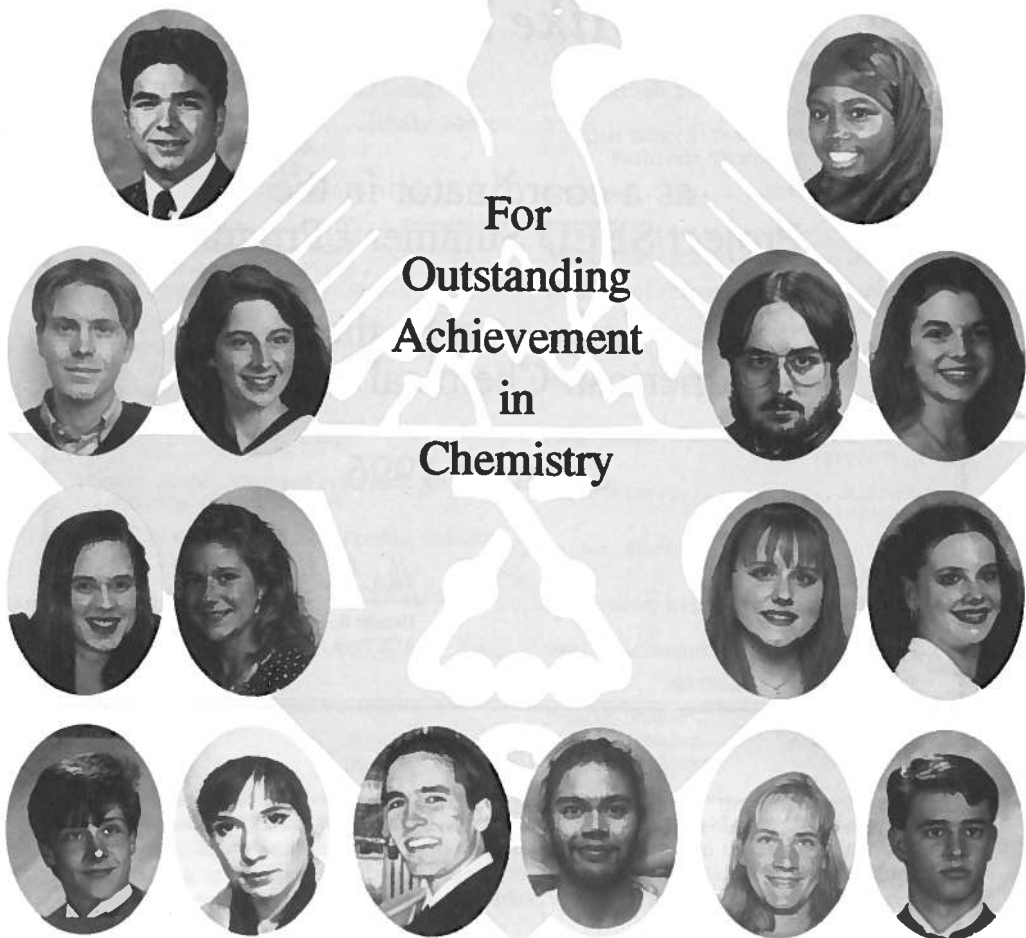
MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. LIII

APRIL, 1997

NUMBER 4

## AMERICAN CHEMICAL SOCIETY



For  
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in  
Chemistry



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## The Council Committee on Project SEED

is proud to recognize

*Mike Zapf*

as a coordinator in the  
Project SEED Summer I Program

sponsored by the  
American Chemical Society

Summer 1996

Herbert B. Silber, Chairman  
ACS Project SEED

### NOMINATIONS

The Maryland Section is now accepting nominations for 1998 officers and for three alternate councilors to be elected this year. Please send nominations to the chairman of the nominating committee, Shekar Munavalli, 700 Paige Circle, Bel Air, MD 21014.



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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.

## SALLY DYM SOLOMON

Sally Dym Solomon received a B.S. in chemistry from Drexel Institute of Technology in 1963 and a Ph.D. in physical chemistry from the University of Pennsylvania in 1966. During the ensuing three years she was a post-doctoral fellow in molecular spectroscopy at the University of Pennsylvania.

For the next four years she was a research specialist in the chemistry department at Drexel University studying porphyrins. From 1975-1987 she held a variety of positions in the chemistry department at Drexel, primarily associated with the evening college division. She was acting head of the chemistry department in 1985-1986. In 1988 she became an associate professor of chemistry and in 1995 assumed her present position of professor.

She has received Drexel Evening College's Laura Campbell Award for Excellence in Teaching (1983) and Drexel University's Lindback Award for Excellence in Teaching (1990).

Dr. Solomon's interests, in chemical education generally, include computer software, laboratory experiments and innovative lecture demonstrations. She has used her background in organic synthesis and molecular spectroscopy to launch a program in chemical education within the department of chemistry. She is the author of numerous articles in the field, many of them in the *Journal of Chemical Education*.

### DEMONSTRATIONS ON THE OVERHEAD PROJECTOR

This is a live talk consisting of a diverse collection of demonstrations, selected to illustrate concepts throughout the chemistry curriculum, all done on the stage of an ordinary overhead projector. Electrodeposition of silver leaf, observation of sharp-line spectra of lanthanides, measurement of Avogadro's number, formation of charge transfer complexes, confirmation of Boyle's Law, rotation of polarized light by limonene and the conduct of colorful chemical reactions are among the demonstrations that will be performed.



Dr. Solomon pictured with her group (from left to right): Dan Caguiat, Sally Solomon, Maria Oliver-Hoyo, Jun Tian.

## APRIL MEETING

### DATE:

Wednesday, April 16, 1997

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

### PLACE:

Western Maryland College  
Westminster, Maryland

Dr. Shirish Shah  
College of Notre Dame  
4701 North Charles Street  
Baltimore, MD 21210

### SCHEDULE:

6:00 Social Hour  
Decker Auditorium  
Lewis Hall

by April 9. Late reservations may be made by calling

(410) 532-5712

7:00 Dinner  
McDaniel Lounge

by April 11. An answering machine is available at this number.

8:00 Student Awards  
Decker Auditorium

Dinner price is \$17.00 per person, but spouses and retired chemists may attend for \$15.00; students may attend for \$8.50.

8:30 Lecture  
Sally Dym Solomon  
Drexel University  
"Demonstrations on the  
Overhead Projector"

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

### MARYLAND SECTION STUDENT AWARDS

Chairman Carl E. Minnier of the Students Award Committee has announced the nominees for the ACS Maryland Section Student Awards for 1997. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 16 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:

Sweeny Khanna, Baltimore City Community College  
Rashida McCain, Morgan State University  
Tammy E. Kessey, Goucher College  
Francis Anthony Celeste, Anne Arundel Community College  
Isabell Balmosan, Catonsville Community College  
Jesse C. Lambert, Harford Community College  
Amanda A. Miller, College of Notre Dame of Maryland  
Christine Marie Lovly, The Johns Hopkins University  
Nathan R. Sabanayagam, Loyola College in Maryland  
Brandon Falk, University of Maryland, Baltimore County  
Charles T. Wells, III, Essex Community College  
Robin Michelle Carroll, Western Maryland College  
Joyce Ursula Blitz, Towson State University  
S. Russell Seidel, Washington College  
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Matthew A. Zajac, Villa Julie College  
Katherine Adair Mullin, St. Mary's College



## ACS Science Policy Fellowship

### Apply Now

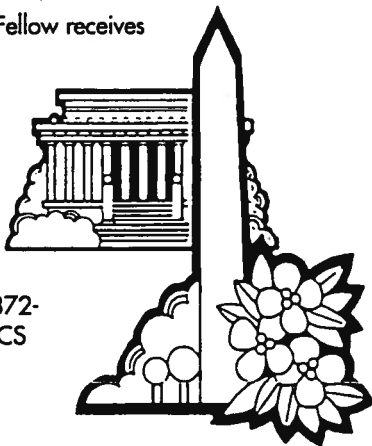
The Fellowship offers a unique opportunity for a scientist to join ACS staff and

- Complete one or more selected science policy projects that contribute to the Society's discussions and recommendations in areas of importance to the science community,
- Assist in the development of official ACS policy statements and testimony for Congress, and
- Meet with Capitol Hill staff and federal agency officials.

The Fellowship is for one or two years. The Fellow receives an annual salary of \$40s with ACS benefits package, as well as a relocation allowance. Support from present employer and other sources is allowed. ACS members at any point in their careers may apply. A Ph.D. is not a requirement.

Applications are due **June 2, 1997.**

For more information and application instructions, contact Wanda Guice at 202/872-4479, e-mail: [w\\_guice@acs.org](mailto:w_guice@acs.org), or write ACS Department of Government Relations and Science Policy, 1155 Sixteenth Street, NW, Washington, DC 20036.



### CAREER MATERIALS AND PLANNING

The Section has a number of brochures from the ACS on the topic of careers and planning; a list is available. Our contact for Career Planning is Dr. Linh Cheong at (410) 354-7747. The ACS Job Bank can now be reached at <http://ww.ChemCenter.org> using your membership as the password.

### DJERASSI LECTURE AT UMBC

Professor Carl Djerassi of Stanford University will give a public lecture at 7:30 p.m., Thursday, April 10 in the Engineering Building at UMBC. His title is "Nobel Science and Nobel Lust: Disclosing Tribal Secrets through Science in Fiction." Admission is free.

### REMSEN AWARD MEETING

Our next meeting will be the annual Remsen Award meeting, usually held in May at the Johns Hopkins University. In order to avoid conflicts, it will be held later than usual this year, probably on June 4.

## The Johns Hopkins University 1997 Spring Chemistry Colloquium Schedule

Remsen 233, Tuesdays, 4:15 pm

For more information contact Rosalie Elder (410) 516-7432

March 25	Professor Thomas Kodadek Dept. of Chem. and Biochem. University of Texas	"New Chemical Methods to Study Multiprotein Complexes"
April 1	Professor Stewart Novick Dept. of Chemistry Wesleyan University	"Laboratory Astrochemistry: High Resolution Spectroscopy of Radicals"
April 8	Dr. Ben Anderson Eli Lilly	"Applications of Transition Metal Catalysts and Biocatalysts to the Synthesis of Drug Candidates"
April 22	Dr. James A. Fee Dept. of Biology Univ. of Cal., San Diego	"Cytochrome c Oxidase: New Results and New Challenges"
April 29	Professor T. Daniel P. Stack Dept. of Chemistry Stanford University	"Dioxygen Activation by Simple Diamine Cu(I) Complexes: Binuclear and Trinuclear Species"
May 6	Professor Michael A. Duncan Dept. of Chemistry University of Georgia	"Photodissociation of Gas-phase Clusters from Solvated Metal Atoms to Nanocrystals"
May 13	Professor Joseph Puglisi Dept. of Chemistry Univ. of Cal. at Santa Cruz	"Structural Basis of Aminoglycoside Antibiotic Action"



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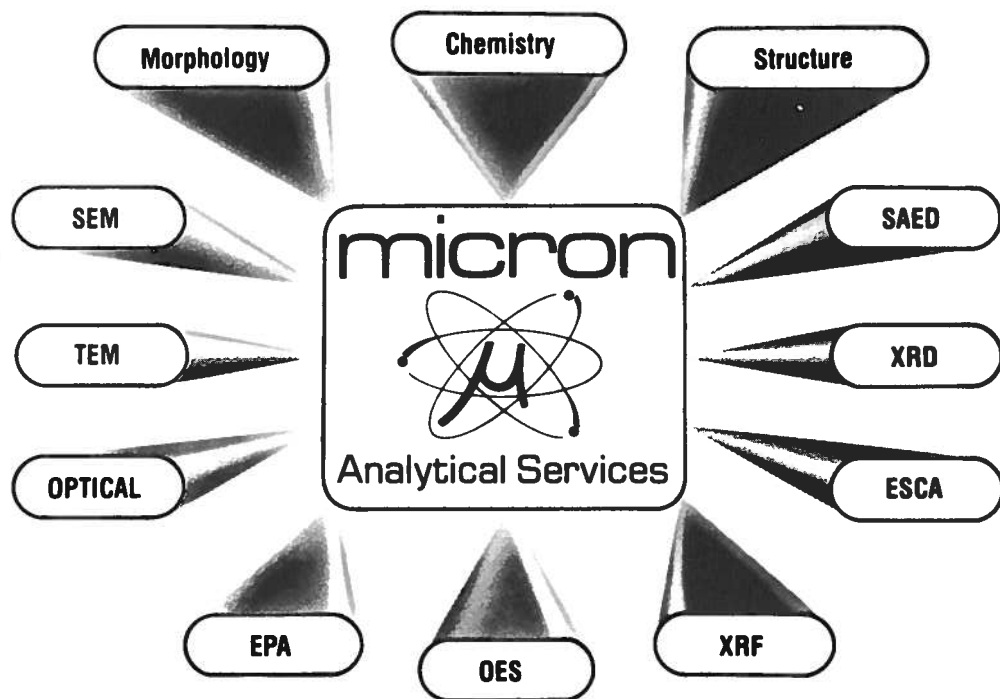
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**EAS DEADLINE APPROACHES:**  
**CALL FOR PAPERS**

The deadline for receipt of preliminary abstracts for the 1997 Eastern Analytical Symposium (EAS) is April 15, 1997. Papers in all areas of the analytical and allied sciences are welcome. The meeting will be held November 16-21, 1997 at the Garden State Convention Center in Somerset, NJ.

Anyone interested in presenting a paper at EAS should submit a 200 to 250 word abstract of the proposed paper, indicating preference for oral or poster form. The abstract should be sent to Program Committee, P.O. Box 633, Montchanin, DE 18710-0633, USA. If the paper is accepted, the title and author(s) will be considered final. A special form is not required, but submissions must be typed.

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