



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. LV

APRIL, 1999

NUMBER 4

AMERICAN CHEMICAL SOCIETY

For Outstanding Achievement in Chemistry



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The Johns Hopkins University 1999 Spring Chemistry Colloquium Schedule

Remsen 233, Tuesdays, 4:15 pm

March 30	Professor Matthew Zimmt Brown University	"Solvent as a Wire? Solvent Mediated Electronic Coupling in Electron Transfer"
April 13	Dr. William Nugent E.I. duPont de Nemours & Co.	"Homogeneous Catalysis as a Tool for Organic Synthesis"
April 16	Dr. Robert Flowers University of Toledo	"Understanding the Reactivity of Divalent Lanthanides: A Mechanistic and Thermochemical Approach"
April 20	Dr. G. Barney Ellison University of Colorado	"The Properties of Nitrenes (CNN, CH ₃ N, and C ₆ H ₅ N) as Revealed by Photoelectron Spectroscopy"
April 27	Dr. Richard Hutchinson University of Wisconsin	"Polyketide Syntheses of Lovastatin Biosynthesis: A Possible Link Between Iterative Type I Fungal and Type II Bacterial Enzymes"

MARM 1999

The 32nd Middle Atlantic Regional Meeting of the American Chemical Society

May 17, 18 & 19, 1999

Fairleigh Dickinson University
Florham-Madison Campus, NJ

Featuring a Plenary Session & Symposium
honoring

The International Chemistry Celebration

"A Salute to Polymers"

Keynote Address - Dr. Ed Wasserman

President, ACS, 1999

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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.

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 1999. Winners were selected by their respective institutions.

The nominees will be guests of the Section at the April 21 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:

Stacy L. Gelhaus and Jeffrey M. Smith, Mount Saint Mary's College
Jeraine M. Johnson, Morgan State University
David St. Jean, Goucher College
M. Eyo Ita and Richard Myers, Anne Arundel Community College
Christine Wooding, College of Notre Dame of Maryland
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Mark Kowal, Villa Julie College
Kristina Borstnik, Saint Mary's College
Stefanie Matthews, Catonsville Community College
Dominic Ubong Edet, Baltimore City Community College

CAREER DEVELOPMENT PROGRAMS

ACS Career Services offers career development presentations and workshops throughout the country for chemical scientists and engineers. Although the employment situation for chemists has improved in the last year, the market is expected to remain tight. Many in the workforce are discovering that employment security is the ability to remain marketable. Chemists need to be prepared for numerous jobs, and possibly career changes, throughout their professional lives. For information on sponsoring a Career Services presentation or workshop for your local section, college or university call Frank Walworth at 1-800-227-5558 ext 6076 or f_walworth@acs.org.

PHARMACEUTICAL AND BIOMEDICAL ANALYSIS INTERNATIONAL SYMPOSIUM

The Tenth International Symposium on Pharmaceutical and Biomedical Analysis will be held at the Renaissance Hotel in Washington, D.C. May 9-12, 1999.

The program will feature keynote speakers, submitted lectures, posters, special student presentations, forums on controversial subjects and short courses as well as a technical exhibition.

For further information contact Shirley Schlessinger, Symposium Manager, 400 East Randolph Street, Suite 1015, Chicago, Illinois, 60601. Telephone 312-527-2011.

Wisdom is knowing what to do next, virtue is doing it. — David Starr Jordan

Maryland Section American Chemical Society

April Monthly Meeting Student Awards for Outstanding Achievement in Chemistry Wednesday, April 21, 1999

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 and Practices for Students", Ms. Mya Morton, Lab Support*
- 7:00 PM *Dinner, McDaniel Lounge*
- 8:00 PM *Presentation of Student Awards, Decker Auditorium, Lewis Hall of Science*
- 8:15 PM *"Analytical Scientists in Industry: Parables of Bulging Drums, Disposable Towels and Chocolate", Dr. Thomas Thorpe, The Procter & Gamble Company*

Meeting Registration

The dinner buffet includes tossed salad, top round of beef, seafood Newburg, quiche, wild rice, oven-roasted potatoes, green beans almondine, rolls and butter, chocolate thunder cake, carrot cake and beverages. Dinner price is \$19.00 (\$16.00 for spouses and retired members and \$9.50 for students). Reservations must be made by 12:00 noon on Friday, April 16, 1999 by calling the Section reservation line 410-532-5712 leaving your name (with spelling) affiliation and telephone number). No shows will be billed; cancellations must be received by 12:00 noon on Friday, April 16, 1999. Mail checks payable to the Maryland Section of the ACS to Dr. Shirish Shah, Department of Chemistry, College of Notre Dame of Maryland, 4701 N. Charles Street, Baltimore Maryland, 21210. Payment at the door will also be accepted. Late reservations will be accepted on a space available basis.

Directions to Western Maryland College

Travel north on Route 140 to Westminster. Proceed around Westminster on Route 140 through six traffic lights until the divided highway reverts to a two lane road. Turn left to Route 31. At the first traffic light, turn left to Route 32 (Main Street). Turn right into the Harrison House Parking Lot and look for signs (or a student!) directing you to the ACS meeting.

Upcoming Events: Update Your Calendar

- April 23, 1999 "Professional Analytical Chemists in Industry: A Short Course in Chemical Problem Solving Students for Undergraduate Students", 9:00 am - 3:30 PM at Towson University, sponsored by the Chemistry Alliance of Maryland, contact Professor Frank Milio, 410-830-3111.
- April 25, 1999 "Professional Analytical Chemists in Industry: A Short Course in Chemical Problem Solving Students for High School Teachers", 9:00 am - 3:30 PM at Towson University, sponsored by the Chemistry Alliance of Maryland, contact Professor Frank Milio, 410-830-3111.
- May 12, 1999 "Remsen Award Banquet and Address" at Johns Hopkins University
- May 28, 1999 "50 Year Member Awards" at the Belmont Conference Center, contact Dr. Shirish Shah, 410-532-5712.
- July 11, 1999 Family Picnic joint with the Washington D. C. Section, Patapsco State Park
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ChemCenter

ChemCenter (<http://www.ChemCenter.org/>) is the Internet community for the chemical-related sciences. A world-class Web site for chemical professionals in industry, academe, and government worldwide, ChemCenter is also a resource for educators, students, and individuals who want reliable, accurate information about the chemistry and the American Chemical Society (ACS), the world's largest scientific organization.

Created by ACS in August 1996, ChemCenter helps users organize the vast number of electronic resources available today. It provides easy access to the existing Web resources of the Society (ACS Publications Division (<http://pubs.acs.org>), Chemical Abstracts Services (<http://www.cas.org>), and ACS Web (<http://www.acs.org>)); unique features such as hourly updated chemistry news, Web cards, and "This Week in Chemical History," information from ACS and other credible sources that is important to practicing chemists, such as professional services, conferences, publications, databases, education, shopping, and resources; and opportunities for users to participate in an interactive, virtual community where they can maintain their awareness of important scientific issues and, engage in collaborative discussions with fellow specialists, and debate research and issues of interest.

ChemCenter's Washington-based development team, guided by a senior-level steering committee, is working to expand the content and features available on the site. We invite you to visit ChemCenter and share your comments and suggestions. Contact Louise Voress by phone (202-872-4563); fax (202-776-8253); e-mail (l_voress@acs.org), or snail mail (American Chemical Society, Room 525, 1155 16th St., NW, Washington, DC 20036).

CHEMICAL REVIEWS RELEASES THREE THEMATIC ISSUES

Chemists wishing to expand their knowledge and perspective in three vital areas of chemical research should look into this year's Special Thematic issues of *Chemical Reviews*. *Chemical Reviews*, which has the highest impact factor of all chemical review journal, regularly devotes an entire issue to one essential area of chemical research. Subjects covered this year include: Polyoxometalates; RNA/DNA Cleavage; and Cyclodextrins.

Each thematic issue of *Chemical Reviews* is a complete mini-encyclopedia detailing: the history of progress in the particular area; a comprehensive view of the state of development; and perspectives on what the future holds. Authors - including many of the most accomplished and recognized researchers in the particular area - draw from a broad base of research to present an overall view of the subject. The terminology and viewpoint are appropriate to experts as well as to chemists having a more basic understanding of the subject.

Readers of the issue on Polyoxometalates will explore the vast potential of this uniquely modifiable class of compounds - and see how recent advances in instrumentation have given scientists a clearer view of the possibilities.

The issue on RNA/DNA Cleavage explores the chemical reactions of DNA and RNA from a highly detailed molecular perspective - a view made possible by recent advances in nucleic acid synthesis as well as in analytical, computational and molecular biology techniques.

Finally, the issue on Cyclodextrins explores a molecular class of uniquely diverse appeal - cyclic oligomers as captivating to chemists in pure research as to those in applied technologies.

To order, call Publications Support Services at 1-800-227-5558 (in the U.S. and Canada). International orders: 001-202-872-4376. Orders may also be faxed to 202-872-6325 or e-mailed to pss@acs.org.

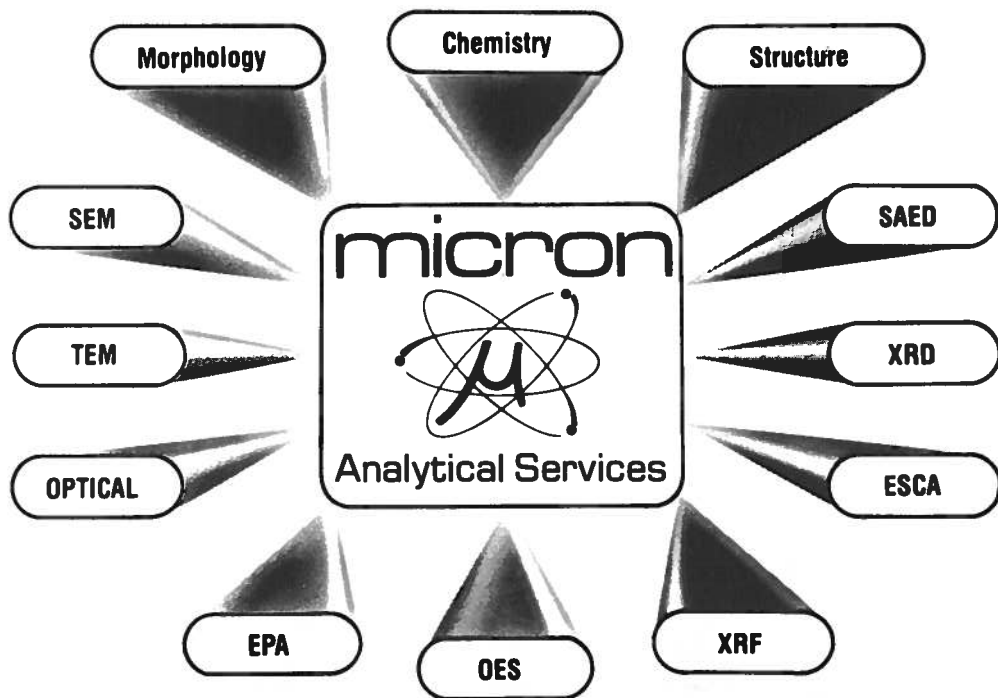


Scene from last year's 50-year member luncheon at Belmont. This year's affair is tentatively scheduled for May 28.

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EAS CALL FOR PAPERS

The deadline for receipt of preliminary abstracts for the 1999 Eastern Analytical Symposium is April 15, 1999. Papers in all fields of the analytical and allied sciences are welcome. The meeting will be held November 14-19, 1999 at the Garden State Convention Center in Somerset, New Jersey.

Anyone interested in presenting a paper should submit a 200 to 250 word abstract of the proposed paper, including preference for oral or poster form. The abstract should be sent to Program Committee, P.O. Box 633, Montchanin, DE 18710-0633. 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.