



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. LIV

OCTOBER, 1998

NUMBER 7

*Maryland Section
American Chemical Society*

*October Monthly Meeting
Wednesday, October 28, 1998
University Union
Towson University*

5:00 – 6:30 pm Social/Networking time with beer, wine and light snacks

5:30 – 6:15 pm Topical Discussions

*"GLIADEL: Drug Delivery Improves Cancer Treatment",
Dr. Sue C. Hocker, Guilford Pharmaceuticals, Inc.*

"Interior Landscapes", Ms Penny Harris, Fine Art Photographer

6:30 – 7:30 pm Gourmet Buffet Dinner

*7:30 pm "FDA – Current Initiatives in Modernization and International
Harmonization", Dr. John E. Simmons, Food and Drug
Administration, Center for Drug Evaluation and Research*

Meeting Registration

The dinner buffet will feature mixed green salad with crumbled feta, dried pears and Russian dressing; chicken William, dauphine potatoes, asparagus and baby vegetables; and cheesecake with raspberry sauce. Sodas, beer and wine will be available through dinner. Dinner price is \$19.00 per person (including social/networking time); \$16.00 for spouses and retired members and \$9.50 for students. You may attend talks without a dinner reservation. Make reservations by Friday, October 23, 1998 by calling Dr. Shirish Shah at the Section reservation line 410-532-5712. If you require a special meal (e.g. kosher, vegetarian) please indicate that need to Dr. Shah. Mail checks payable to Maryland Section of the ACS to Dr. Shah at the Department of Chemistry, College of Notre Dame, 4701 Charles Street, Baltimore, Maryland, 21210. Payment at the door will also be accepted. Late reservations will be accepted on a space available basis.



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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.

John E. Simmons, Ph.D.
Deputy Director, Division of New Drug Chemistry
Food and Drug Administration

"FDA - Current Initiatives in Modernization and International Harmonization"

The Food and Drug Administration is currently involved in unprecedented changes in the way it reviews and approves new drugs. These efforts have been driven by internal and external pressures and have resulted in initiatives undertaken and policies implemented which are focused on accelerating and streamlining the way drugs are developed and approved in the U.S. and worldwide. Global drug development efforts and worldwide networking have changed the face of regulation.

The Prescription Drug User Fee Act, FIDA Modernization Act and the International Conference on Harmonization will be outlined. The interplay between Law, Regulation and Science will be central to the discussion. The role of FDA scientists will be highlighted.

About the Speaker.....

Dr. Simmons assumed his current position in 1996. He first joined the Division of Biopharmaceuticals when he came to the FDA, then moved to the, Division of Cardio-Renal Drug Products. He also served in the Office of Generic Drugs. He has been involved in the review and approval of both new and generic drugs as well as research into drugs of interest to the agency. His areas of research interest include development & refinement of analytical methodology used to evaluate drugs in vivo and in vitro, drug metabolism, and dosage form characterization. He has over 65 publications and presentations in these and other areas.

He is a charter member of the American Association of Pharmaceutical Scientists (AAPS). He has been a reviewer for journals such as *Pharmaceutical Research*, *Journal of Pharmaceutical Sciences* and *Journal Pharmaceutical & Biomedical Analysis*.

He holds degrees from Temple University and the University of Pittsburgh School of Pharmacy. He has been involved in several areas of drug, development and has been on the staff of the University of Pittsburgh School of Pharmacy and the University of Kansas School of Pharmacy Center for Biomedical Research. He served in the U.S. Army during the Vietnam Conflict.

Directions to Towson University

To reach Towson University via the Beltway, take Exit 25, Charles Street. Proceed south (toward Baltimore) on Charles Street to Towsontown Boulevard and make a left turn. Towsontown Boulevard is the third traffic signal south of the Beltway on Charles Street. Proceed east on Towsontown Boulevard to next traffic light at Osler Drive and make a right turn. Immediately move into the left turn lane and turn left toward the University Union Garage. Follow the drive to the Garage where a uniformed police officer will guide you to a parking place. Enter the University Union from the garage and look for signs directing you to meeting locations.

INTERNATIONAL CHEMISTRY OLYMPIAD

ALEXANDER IOANNIDIS, of Bel Air High School, who, as a sophomore, was selected last year to attend the Chemistry Olympics Training Camp at the Air Force Academy (see *The Chesapeake Chemist*, vol. LIII, no. 6, Sept., 1997) was not only selected again this year, but he made the final cut and was one of the four high school students representing this country at the 30th International Chemistry Olympiad in Melbourne, Australia, from July 5 - 13. Alex placed 30th out of 191 students from 49 nations and received a silver medal. CONGRATULATIONS, ALEX!

Sue C. Hocker, Ph.D.
Guilford Pharmaceuticals

"GLIADEL: Drug Delivery Improves Cancer Treatment"

Guilford's product, GLIADEL[®] Wafer, has marked the first new treatment in brain tumors in over 20 years. GLIADEL is used for the treatment of recurrent malignant glioma, the most common and rapidly fatal form of brain cancer.

GLIADEL is a biodegradable polymer wafer incorporating an anticancer compound which is inserted at the time of surgical resection of a tumor. The wafer erodes over several weeks, delivering the chemotherapeutic locally at the site of the cancer in concentrations hundreds of times greater than is available via systemic administration, while minimizing the adverse side effects of systemic administration.

GLIADEL was launched in the U.S. in February 1997 through worldwide GLIADEL marketing partner (except in Scandinavia), Rhone-Poulenc Rorer. Guilford is working to develop a line of polymer products for the treatment of various kinds of cancers, such as lung, ovarian, head and neck and prostate cancer.

About the Speaker....

Sue C. Hocker has been an Associate Director of New Product Planning at Guilford Pharmaceuticals, Inc. since April 1996. She is responsible for supporting marketing partners GLIADEL, Guilford's product for brain cancer; and evaluating for new product opportunities for Guilford's polymer technology. Prior to joining Guilford, Ms. Hocker held positions in research and marketing at Abbott Laboratories, TCell Sciences, and other biotech companies. She holds a degree in Business from Northwestern University and a Biochemistry degree from Caltech.

Penny Harris
Fine Art Photographer

"Interior Landscapes"

Penny Harris begins with a visual narrative of her photographic work. The thread of her interests is shown in the weaving from black and white silver gelatin prints, to pinhole photography, and color work to her most recent digital ink jet prints. Her travel images, portraits, and graphic work add multiple photographic layers to the fabric of this narrative.

About the Speaker.....

Penny Harris' photographs are in the collections of the Houston Museum of Fine Art, Texas; the Baltimore Museum of Art; the Chrysler Museum, Norfolk, Virginia and the University of Maryland Library Collection. Awards include Maryland State Arts Council Award for Individual Artists in 1992 and 1997, Critic's Residency Program Awards from Maryland Art Place, and a purchase award from the University of Delaware.

Additionally, Harris worked in the theater arts to create a photography stage set for a modern dance program performed at Towson University and at the Baltimore Museum of Art. She has lectured in the United States, and in China to the Hafei Association of Literature and Art at the Hafei Museum.

Recent exhibitions include Houston Center for Photography, Texas; Maryland Art Place; and the Government House, Annapolis.

COUNCILOR'S REPORT ON THE BOSTON MEETING

August 26, 1998

The local section had only three representatives present at the meeting of the Council. While all three of these people are carrying on significant work for the Society, we do need to cover the missing Councilor.

The meeting opened with a moment of silence in recognition of the passing of Anna Harrison, the Society's first woman President. Word was also passed that Glen Seaborg was reported to have fallen and cracked a rib during the meeting.

The reports from the Presidential succession carried an underlying theme of the internationalization of the Society. Each person examined the year's work with ideas of the future and it became clear that the Society is getting to be very active on foreign shores. The idea of involvement with foreign industry was a repeated thought.

The reports of the Elected Committees of the Council included action to pass a new book keeping system for Corporate Associates Dues, recognized over 50 people for service to the Society, and carried out the election process for filling these committees. Of special note was the election of Merle Eiss to the Council Policy Committee.

The presentations of the Society Committees and the Committee on Science included many well-planned efforts in pushing the study of science into the lower grades in the elementary school and fostering to keep the newly educated committed to work in the field from the Committee on Education chaired by Don Jones.

The reports of the Council Standing Committees included the acceptance of the new Division of Chemical Toxicology as a full Division with the approval of its new bylaws immediately afterward. After some "position statements" from some Councilors, the Council approved a new version of "Professional Employment Guidelines" as developed by the Society. Maryland was granted a certificate for its year's work as submitted to the Committee on Local Sections. The Committee on Meetings and Expositions obtained approval for Washington, DC in 2009, and New York City and San Francisco for 2010. Registration fees for 1999 will be \$225/meeting as Council chose not to raise the fee. With over 15,000 attendees, the meeting was one of the largest. (Over 13,723 were registered for the meeting.)

After a series of informative reports from Other Committees, the meeting was closed with a resolution recognizing the fine efforts of Dr. Walter as President (read by Chuck Rowell).

NATIONAL CHEMISTRY WEEK

The Maryland Section of the ACS will celebrate National Chemistry Week from November 2-8, 1998.

The major event is planned for the Baltimore Museum of Art on November 5 from 5:30 p.m. to 9:00 p.m. It will include several activities of Kids & Chemistry. A group of scientists will also be available to answer questions related to paints, polymers, conservation, etc.

The BMA affair is a family night, so both children and parents will be in attendance. Additional activities, including chemical demonstrations at libraries and selected elementary schools, are also planned.

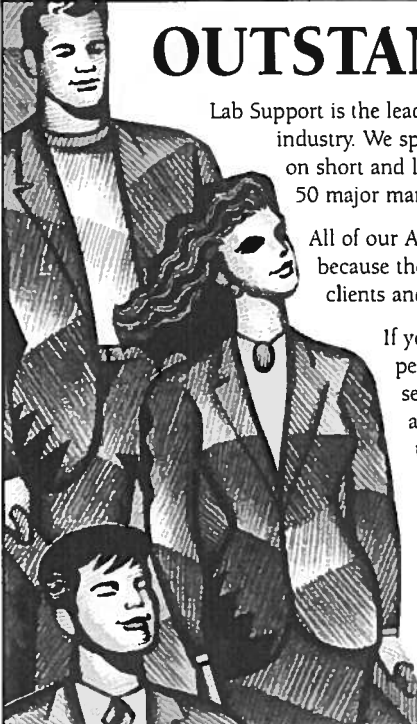
Additional volunteers are always welcome, and members can contact either Dr. Victoria Kuntz at 410-750-7978 or Dr. Shirish Shah at 410-532-5712.

The Johns Hopkins University 1998 Fall Chemistry Colloquium Schedule

Remsen Hall 233 – Tuesdays, 4:15 pm

For more information contact Rosalie Elder, 410-516-7432

October 20	Professor Paul Barbara University of Texas	"Energy and Electron Transfer in Organic Functional Materials and Biological Molecules"
November 10	Professor P. Andrew Evans University of Delaware	"Exploring New Reactivity for Expedient Synthesis of Biologically Important Natural Products"
November 17	Professor F. Fleming Crim University of Wisconsin	"Controlling Chemical Reactions and Watching Energy Flow in Vibrationally Excited Molecules"
November 18 Wednesday	Professor Robert Redmond Harvard University	"Photochemical Damage to DNA in Cells"
December 8	Professor Roger E. Miller University of North Carolina	"Chemistry (and Biochemistry) Near Absolute Zero: Laser Spectroscopy as a Probe of Molecular Dynamics"




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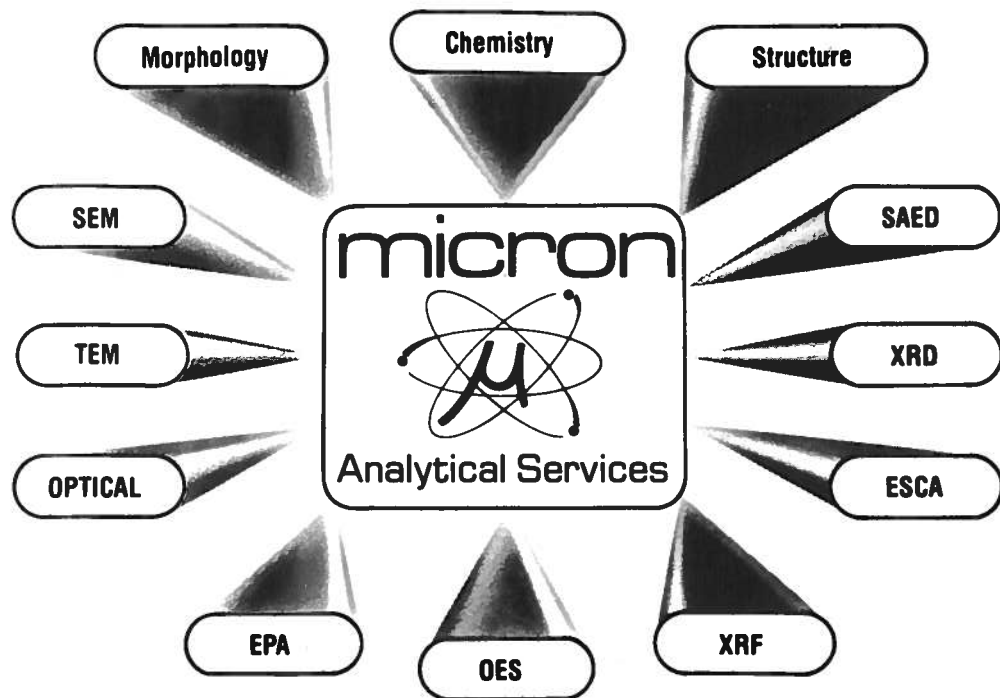
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E. EMMET REID NOMINATIONS

The E. Emmet Reid Award is administered by the Steering Committee of the Middle Atlantic Regional Meeting of the ACS for outstanding achievements in teaching chemical sciences at small colleges within the region. The Award will consist of \$350 and a major award plaque. The nominee will also receive \$75 toward expense of attending the MARM.

The purpose of the Award is to recognize, encourage and stimulate high quality teaching and research at small colleges. A small college is defined as an educational institution which has an established B.S. program and no Ph.D. program in chemistry or the chemical sciences.

Each local section of the MARM may nominate one candidate each year, to be certified by the section's chairman or secretary to the MARM Award Committee Chairman (Mike Zapf of Maryland Section occupies the position this year). The deadline for nominations is November 13.