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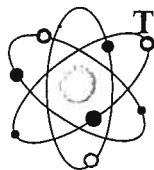
CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

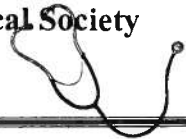
VOL. LV

MARCH, 1999

NUMBER 3



The Career Center and Science Department of
the College of Notre Dame of Maryland
in Cooperation with
the Science Departments of
Loyola College and Towson University and
the Maryland Section of the American Chemical Society
Extend an Invitation to Attend a



Science Career/Internship and Graduate School Information Fair



Wednesday, March 24, 1999
12:00-2:00 p.m.
College of Notre Dame of Maryland Campus
(Doyle Formal)

RESERVE THIS DATE!!!

For a list of participants visit www.jagunet.com/~mpdonline/shah/

For further information contact the College of Notre Dame Career Center at 410-532-5387, e-mail careercenter@ndm.edu or Dr. Shirish Shah at the Chemistry Department 410-532-5712, e-mail sshah4@juno.com

Parking available in the Knights of Columbus parking lot on Homeland Avenue. Shuttle service will be provided.



The ACS Congressional Fellowship Program will place two ACS members in congressional offices for one year beginning in September of 2000 to:

- 1) gain first-hand knowledge of the operation of the legislative branch;
- 2) make scientific and technical expertise available to the government; and
- 3) forge links between the scientific and government communities.

Applications are due January 3, 2000. The ACS is seeking applicants from among ACS members who range from the seasoned chemical professional to the recent graduate with or without work experience. ACS provides a stipend and an allowance for relocation expenses.

ACS also selects a *Science Policy Fellow* who works in the Headquarters Office of Legislative and Government Affairs, usually for two years. The Science Policy Fellowship offers a unique opportunity for a scientist to contribute to the Society's discussions and recommendations in areas of importance to the chemical community.

Contact the program office for application information:

Congressional Fellowship Program/Science Policy Fellow Program
Office of Legislative and Government Affairs
American Chemical Society
1155 16th Street, NW
Washington, DC 20036
202/452-8917
e-mail: congfellow@acs.org
web: http://www.acs.org/govt

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.

HIGH SCHOOL PROGRAM HELP - We have a very active program and need volunteers to continue this program. Many members have helped judging science fairs and performing other duties in the program. We now need volunteers to help Mike Zapf with organizational and clerical details. If interested, please contact Mike Zapf at (410) 771-7471 or mike_zapf@mccormick.com.

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 on the lower, gated area. Enter the University Union from the garage and look for signs directing you to the meeting location.

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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
American Chemical Society**

**March Monthly Meeting
Thursday, March 11, 1999
University Union
Towson University**

Agenda

- 5:30 – 6:30 pm Social/Networking time with beer, wine and light snacks
- 6:30 – 7:30 pm Gourmet Buffet Dinner
- 7:30 pm "Can Virtual Reality Have Real Virtue? Using Electronic Media Effectively", Professor John W. Moore, University of Wisconsin – Madison; Editor, *Journal of Chemical Education*

Meeting Registration

The dinner buffet will feature mixed green salad with crumbled feta, dried pears and Russian dressing; honey orange chicken, dauphine potatoes, asparagus and baby vegetables; and cheesecake with raspberry sauce. Sodas, beer and wine will be available through dinner. Dinner price is \$20.00 per person (including social/networking time); \$17.00 for spouses and retired members and \$10.00 for students. You may attend talks without a dinner reservation. Make reservations by Friday, March 5, 1999 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 N. Charles Street, Baltimore, Maryland, 21210. Payment at the door will also be accepted. Late reservations will be accepted on a space available basis.

**Professor John W. Moore
Department of Chemistry
University of Wisconsin-Madison
Editor, *Journal of Chemical Education***

"Can Virtual Reality Have Real Virtue? Using Electronic Media Effectively"

A variety of electronic media is available to help students learn chemistry. Computer software has been joined by video, digitized images, sounds, animations, interactive hypertext, the internet, the World Wide Web, electronic journals, and even virtual reality. I have been involved with such media both as a teacher and as editor of the *Journal of Chemical Education*. They do have real virtue and have been effective in helping students in classrooms and laboratories and teachers throughout the world. Examples are UW ChemPages, a Web-based and CD-ROM-based multimedia encyclopedia of laboratory techniques and procedures; The Periodic Table Live, which shows properties and reactions of the elements via a combination of numeric data, automated graphing hypertext, and digitized images and video; JCE Online, which provides the entire *Journal of Chemical Education*, Web-based papers containing animations and movies, and much more via the internet; and ChemVR a virtual laboratory containing a model kit of molecules and crystal lattices that you can fly through and virtual instruments that mimic the real thing. From my perspective as a developer, user, and editor of such materials, I will provide indications of where and how far our use of media can go.

About the speaker...

John Moore received the A.B. magna cum laude from Franklin and Marshall College and the Ph.D. from Northwestern University, concentrating in physical inorganic chemistry. During 1964-65 he held a NSF postdoctoral fellowship at the University of Copenhagen. He taught at Indiana University-Bloomington (1965-71) and Eastern Michigan University (1971-1989) before joining the faculty of the University of Wisconsin-Madison in 1989 as Professor of Chemistry, Director of the Institute for Chemical Education, and Chair of the General Chemistry Division.

He has won several awards for his teaching, including: the Wisconsin Power & Light Underkofler Award for Excellence in Teaching (1995), Upjohn Award for Excellence in Teaching (1993), ACS's George C. Pimentel Award in Chemical Education sponsored by Union Carbide Corporation (1991), the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry (1991), the Catalyst Award of the Chemical Manufacturers Association (1982), and the Michigan Association of Governing Boards' Distinguished Faculty Member Award (1982); in 1986 he was a Silver Medallist in the CASE Professor of the Year competition. He has presented more than 270 lectures at conferences and colloquia, taught or organized more than 40 workshops for teachers, and is author of co-author of more than 100 publications, including the textbooks *Environmental Chemistry*, Academic Press, 1976, *Chemistry*, McGraw-Hill, 1978, *Kinetics and Mechanism*, third edition, Wiley-Interscience, 1981, and *The Chemical World: Concepts and Applications*, Saunders, 1993, 2nd ed. 1997.

Professor Moore directs several major projects in chemical education:

- the *Journal of Chemical Education*, of which he is Editor, having assumed full responsibility in 1996;
- the New Traditions systemic chemistry curriculum project, one of five national NSF initiatives in curriculum reform;
- *Journal of Chemical Education: Software*, a peer-reviewed journal published on computer disks, laser videodiscs, and CDs, which he founded in 1989 and edited until 1996;
- ICE, the Institute for Chemical Education, which prepares and publishes teaching materials and carries out workshops for pre-college chemistry and science teachers;
- Project SERAPHIM, which has developed a variety of innovative chemical education materials using computers and other technology.

During the past five years through Project SERAPHIM and ICE, Professor Moore has hosted more than 20 visiting faculty from other universities and other countries who have served as Fellows working on specific projects to improve chemistry instruction and learning. He was editor of the Computer Series feature of the *Journal of Chemical Education* from its inception in 1978 until 1989.

Professor Moore has been a member and Vice-Chair of the American Chemical Society's Committee on Education for many years and now serves as a Consultant to that committee; he is a past chair (1991-92) of the Wisconsin Section of the ACS. He is very active in the ACS Division of Chemical Education and was its Chair during 1996; He is a member of Phi Beta Kappa, Sigma Xi, AAAS, ACS, NSTA, and Phi Kappa Phi. He was recently elected a Fellow of AAAS.

STUDENT AWARD MEETING

The Maryland Section's annual student awards meeting is scheduled to be held on April 21, 1999 at Western Maryland College in Westminster.

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.

NATIONAL TECHNOLOGY MEDAL NOMINATIONS

All ACS members are invited by the Committee on Patents and Related Matters (CP&RM) to suggest possible nominees for the National Technology Medal. Funded by the United States Department of Commerce and established by the Stevenson-Wydler Innovation Act of 1980, the medal is awarded annually by the President. It may be awarded to individuals, groups, companies, or institutions within the United States for outstanding contributions to technology or for the promotion of the technological workforce. Nominations can be sent to Debbie Fillinich, CP&RM staff liaison, American Chemical Society, 1155 Sixteenth Street, NW, Washington, DC 20036.

For further information search <http://www.ta.doc.gov/medal>, call ACS at 202-872-4476, or e-mail d_fillinich@acs.org. CP&RM will consider the nominations during the national ACS spring meetings in both 1999 and 2000.



Mr. NUSRET HISIM, chemistry teacher at Walkersville High School was chosen as the winner of the Maryland Section's 1998 Award for High School Chemistry Teaching. Mike Zapf is shown here presenting Mr. Hisim with the supplier award, sponsored by Fisher Scientific Company as arranged by Mr. David Keck, local Fisher representative. Jan Kolakowski, 1998 Section Chair, is shown at the left.

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AMERICAN
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217th ACS National Meeting
March 21-25, 1999
Anaheim, California USA

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Complete registration and housing information also available on the Web!

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.

SOCIETE DE CHIMIE INDUSTRIELLE (AMERICAN SECTION) FELLOWSHIP

The American Section of the Societe de Chimie Industrielle, in conjunction with the Chemical Heritage Foundation (CHF), announces a new fellowship. The purpose of the fellowship is to stimulate public understanding of the chemical industries, using both terms in their widest sense. Applications are encouraged from writers, journalists, educators, and historians of science, technology and business.

The first of these fellowships will be awarded for summer 1999, and will provide up to \$15,000 for stipend, living expenses and research support. The fellow will spend a minimum of two months in residence at CHF, conducting research on some aspect of the heritage of the chemical sciences or chemical process industries using the resources of CHF's Othmer Library of Chemical History, other area libraries and associated resources.

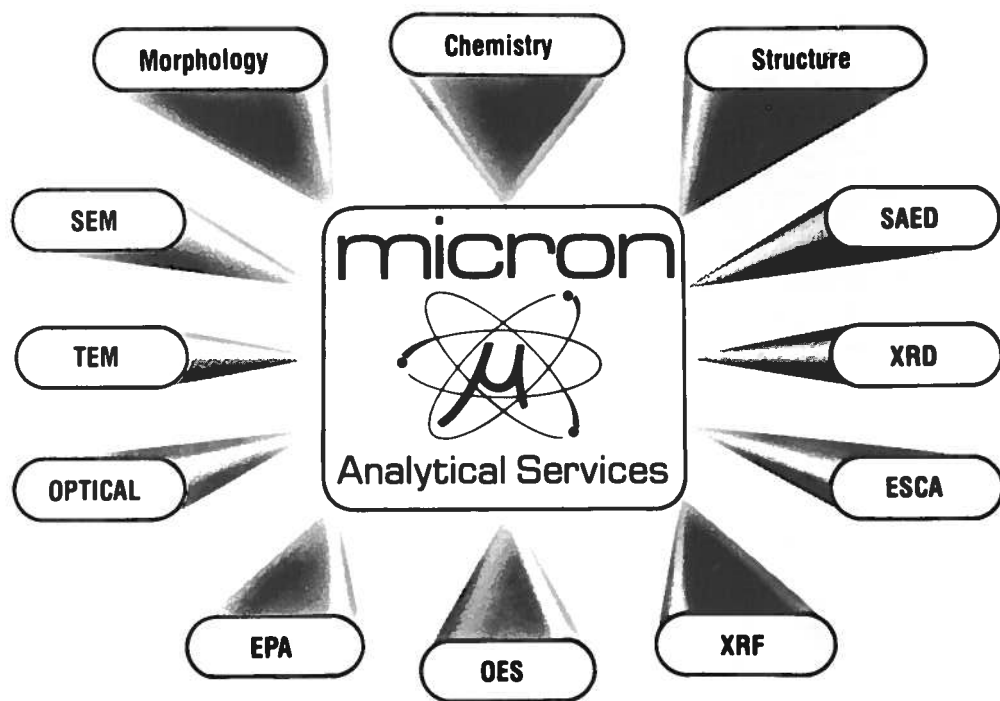
Applicants should submit a curriculum vitae and a one page research proposal outlining a specific project to be completed while in residence at CHF, and showing how the project will further public understanding of the chemical industries. In addition, applicants should arrange for two letters of reference to be sent directly to CHF. The deadline is March 31, 1999.

Contact: Leo Slater, Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia, PA 19106-2702. Phone 215-873-8224; Fax 215-925-1954; E-mail lslater@chemheritage.org

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NT WORKSHOP – A group of faculty affiliated with the New Traditions Project will offer a curricular reform workshop at Towson University on March 12–13, 1999. The Project is one of five systemic curricular reform projects supported by NSF in chemistry. You may have heard of their work or visited their web site (<http://newtraditions.chem.wisc.edu/>).

The project is now sharing innovations with colleagues in institutions outside its consortium. This sixth in a series of workshops aims to disseminate what has been learned about enhancing chemistry instruction. Faculty teams from two- and four-year colleges and universities throughout the area are invited to participate to experience ways to create an active learning environment in lecture courses, convert traditional laboratory exercises to guided inquiry experiments, and observe different ways to use technology as a learning/teaching tool.

If you have not received an invitation and are interested in attending, send an e-mail message to Dr. G. Earl Peace, Jr., at gpeacejr@facstaff.wisc.edu immediately.