

Chesapeake Chemist

*Maryland Section
American Chemical
Society*



~ Mr. Audley Burke ~

Education Associate, Undergraduate Programs Education Division
National American Chemical Society (<http://chemistry.org>)

“What’s in a Name? Did Someone at ACS Make a Change for the Sake of Change?”

Wednesday, March 10, 2010 – 6pm – University of Maryland – Baltimore County
– University Center – Room 312, Baltimore, MD

Message from the Chair

Greetings Members,

This month's local section meeting will be the first time we will officially welcome our student affiliate chapters as section members. I want to strongly encourage you to come and see what wonderful things the student affiliate chapters have been doing. We need your feedback as to how we can continue to grow and develop our local section with this new infusion of energy and talent.

This spring will be packed with a lot of other exciting events including the national ACS meeting in San Francisco, the MARM meeting in Wilmington, our annual Student Awards Banquet, WCC luncheon, and the Remsen award. As always I welcome any and all suggestions you might have to continue improving the local ACS section activities.

Alvin

March Meeting

Wednesday, March 10, 2010 - 6-9pm - UMBC, 1000 Hilltop Circle, Baltimore, MD 21250 - University Center - Room 312

6:00-6:30pm	Registration / Networking & appetizers
6:30-7:30pm	Chemistry Games, mixer, pizza dinner
7:30-9pm	Presentations by: <ul style="list-style-type: none">• Chemistry Clubs• Merle Eiss, describing local section activities• Audley Burke from National ACS, giving national ACS support to student member-local section interaction ~ Various door prizes and other prizes will be awarded ~

Price: FREE! (please RSVP)

Contact: For questions, contact Dr. Shirish Shah - sshah@towson.edu - (410) 704-2720

Where: UMBC, 1000 Hilltop Circle, Baltimore, MD 21250 - University Center - Room 312

~ Directions to meeting, Speaker Information & Abstract on Page 4 ~



We've heard from some of you that you would have liked to have gotten more advanced notice for section events so you could have tried to attend.

Join us on meetup.com to keep up with Section Events (dates for meetings), Discussion Boards (including job postings), photos from events & more!

(Meetup is FREE for individual members and does NOT require you to post your general information beyond your name.)

<http://www.meetup.com/Maryland-American-Chemical-Society/>

ACS Maryland Section - Officers and Committee Chairs

Section Officers:

Chair 2010 - Alvin Kennedy, Morgan State University, (443) 885-3115; alvin.kennedy@morgan.edu

Vice-chair (chair 2010) - vacant

Chair-elect (chair 2011) - Takashi Tsukamoto, Johns Hopkins Medical Institutions, 410-614-0982, tsukamoto@jhmi.edu

Secretary - Lance Baird, Johns Hopkins Applied Physics Lab, 301-395-7168, lance.baird@jhuapl.edu

Treasurer - Holly Cymet, Morgan State University, 443-885-3882, holly.cymet@morgan.edu; Department of Chemistry, Morgan State University, 1700 East Coldspring Lane, Baltimore, MD 21251

Councilors:

Merle I. Eiss
McCormick & Co, Inc
meiss32@aol.com

Stephanie J. Watson
NIST
stephanie.watson@nist.gov

David Roswell
Loyola College
droswell@lovol.edu

Paul Smith
UMBC
pismith@umbc.com

Alternate Councilors: Shirish Shah (Towson), Joseph Topping (Towson), Sandra Young (ARL)

Members at Large: Maurice Iwunze (Morgan), Rose Pesce-Rodriguez (ARL), Suzanne Procell (ECBC), Angela Wells Winstead (Morgan)

Committee Chairs:

Student Awards (April) - George Farrant - (410) 455-4120; gfarrant@yahoo.com

MD ACS Student Grants - Travel & Student Affiliate Awards (February/March) - Paul Smith, pismith@umbc.com
or Louise Hellwig, Louise.Hellwig@morgan.edu

Remsen Award (May/June) - Lev Ryzhkov; lryzhkov@towson.edu

Braude Award (October) - Louise Hellwig, Louise.Hellwig@morgan.edu, 443-885-2085

Maryland Chemist Award (December) - Angela Sherman - (410) 532-5713; ASherman@ndm.edu

Maryland Service Award - Shree Iyengar - (410) 777-2266; ssiyengar@aacc.edu

Programs:

Archives - Ernie Silversmith - (443) 885-3214

Career Planning - Linh Cheong - (410) 762-1159

Earth Day - Paul Smith, Lance Baird
(Lance.Baird@jhuapl.edu)

Environmental Issues - Shirish Shah - (410) 704-2720
sshah@towson.edu & Lance Baird

Finance Committee - Jan Kolakowski - (410) 436-2755
jan.kolakowski@us.army.mil

Government Relations - Shirish Shah & Robert von Tersch - robert.l.vontersch@us.army.mil

Long Range Planning - Shekar Munavalli

MARM - Shirish Shah & Paul Smith

Membership - Merle Eiss

Minority Affairs - Alfred Amah - (410) 602-7164;
aamah@coppin.edu

Public Relations - Shirish Shah & Walter Roy,
Walter_Roy@mccormick.com

Retired Chemists - Alvin Bober, abober@verizon.net,
410-581-5321

Student Affiliate Liaison - Louise Hellwig

Women Chemists/Younger Chemists - Sara Narayan -
443-334-2326 / Amanda (Miller) Idstein -
aredmiller@cs.com

2011 Elections Committee:

Chair - Sandy Young (sandra.young@us.army.mil)
Takashi Tsukamoto. David Roswell. Frank Switzer

Educational Programs:

Chemistry Olympiad/Chem-a-Thon -
Shirish Shah & Mike Zapf,
Mike_Zapf@mccormick.com

Continuing Education/High School Education -
Shirish Shah/Ellen Pisciotta

Kids & Chemistry/Chemistry-in-the-Library -
Sue Procell, 410-436-4604,
suzanne.procell@us.army.mil /Sandy Young

National Chemistry Week (NCW) -
Shirish Shah & Sandy Young

Maryland Section on the Web: <http://mdchem.org>

Webmaster - Sandy Young (mdchem@mdchem.org)

E-issues team: Mike Zapf, Frank Switzer, Sandy Young

Chesapeake Chemist Editor:

(mdchem@mdchem.org)

Have a job to post?, a good news chemistry story? - contact the Maryland Executive Committee through e-mail via: (mdchem@mdchem.org).

Directions to UMBC:

From the north, take Interstate 95 to Route 166 (Exit 47B, Catonsville) or take Interstate 83 to the Baltimore Beltway (I-695, west) and then take Exit 12C (Wilkins Avenue, west); follow the signs to UMBC.

From the south, take Interstate 95 to Route 166 (Exit 47B, Catonsville); follow signs to UMBC.

Visitor parking is available at metered garages located at Administration Drive, The Commons Drive and Walker Avenue. Meters are enforced Monday through Friday for hours posted. Except for meters, all other campus roadways and lots require a permit. **By downloading the map at (<http://www.umbc.edu/aboutumbc/campusmap/>), you can see that the University Center Building is Bldg 42 (networking & food location) and the Meyerhoff Chemistry Bldg is Bldg 25 (presentation). The best parking to park in is lot 16. This is a gated lot, but you can park there for 50 cents (2 quarters) after 3:30pm, and it is adjacent to the University Center Building. At 6:00pm, there will be plenty of spots.**

~ A printable campus map is available on-line at: (<http://www.umbc.edu/aboutumbc/campusmap/>) ~

What's in a Name? Did Someone at ACS Make a Change for the Sake of Change?

Find out at the March 10 Chem Extravaganza

As of 2010, undergraduate students who join the ACS are referred to as "student members", rather than the old designation "student affiliates". However, this is not a change in name only but is being done to indicate increased involvement by undergrads in ACS activities. At this meeting Audley Burke of the national ACS will explain how we aim to do this.

The meeting will get the student members and the "regular" members better acquainted and informed about each others' contributions to Chemistry in Maryland. What sorts of activities do undergrads pursue at Chem Club meetings on their campuses? What does the Maryland Section of the ACS do? (Do all the "regular" members know???) What is going on behind your back? Come and find out!

The March 10 'Chem Extravaganza' will provide a fun venue to familiarize everyone with what's going on with the ACS in Maryland.

There will be Chemistry games and mixers, as well as presentations by Chem Clubs, the local section and the national ACS. Dinner is pizza, sodas, and cookies. And most importantly, Admission is free for members AND students!!

Nominations for the 2010 Maryland Chemist Award

The Maryland Chemist Award Committee is accepting nominations for the 2010 Maryland Chemist Award. Supportive documentation should include copies of the resume of the nominee and his/her list of publications. A short statement describing the outstanding contributions of the nominee to scientific research, education, industry, technology, etc., will be helpful and appreciated. Please send nominations to Dr. Angela Sherman. Nominations are **PREFERRED** to be sent in to the committee via e-mail: ASherman@ndm.edu. If you can not send your nomination via e-mail, please contact Dr. Sherman via e-mail or phone (410) 532-5713 to arrange for alternate delivery method. The deadline for submission of nominations is April 15, 2010.

Nominations for the 2010 Braude Award

The Braude Award, established by George and Monique Braude, is awarded at the October meeting and honors a professor conducting outstanding research involving students at a college or university in the Chesapeake region.

Nominations are now being accepted for the 2010 Braude Award. Please submit a list or description of the research accomplishments of the nominee, as well as an indication of the number of students involved in that research, to Louise Hellwig via e-mail: Louise.Hellwig@morgan.edu or by phone at 443-885-2085. The deadline is May 15, 2010.

Save the Date: April Meeting

What: Maryland ACS April Student Awards Meeting

When: Sunday, April 11 - 12:30-4pm (luncheon 1-2pm, awards 2-2:30pm, presentation 2:30-3:30pm)

Where: Burkshire Marriott, Towson, MD

Speaker: Professor Robert Cotter (Department of Pharmacology and Molecular Sciences at Johns Hopkins School of Medicine)



Spring 2010 - Important Dates



- March 10, 2010 March Section Meeting - Chem Extravaganza! - Student Affiliates & MD ACS Member Chemistry Challenge & Social - UMBC
- March 21-25, 2010 239th National ACS Meeting & Exposition, San Francisco, CA (<http://chemistry.org/meetings>)
- April 10, 2010 (Saturday) MD ACS Earth Day Community Event - Project Clean Stream - Herring Run Park (Argonne Drive & Harford Road), Baltimore, MD
- April 11, 2010 Student Awards Meeting - Burkshire Marriott Hotel & Conference Center
- April 22, 2010 Earth Day



Summer 2009 - Important Dates



- June 2010 Remsen Award Meeting - Date to be determined Awardee: TBD - Johns Hopkins University, Baltimore, MD - directions at: (<http://mdchem.org/meetings/JHU.html>)
- June 2010 Student Affiliate National Meeting Travel Grant application deadline for August meeting.
- August 22-26, 2010 240th National ACS Meeting & Exposition, Boston, MA (<http://chemistry.org/meetings>)

2010 Chemistry Olympiad Coming Soon!

Currently the Section is making plans to participate in the 2010 Chemistry Olympiad Program sponsored by the National ACS. We will give the exam to nearly a dozen talented students on Saturday, April 24th at Notre Dame College in Baltimore. The exam is in three parts: Lab, Multiple Choice, and Essay and is nearly 5 hours in length. If you would like to assist as an exam proctor, please contact us, even for one part.

On the same day, the 26th Annual Chemathon is being held at the University of Maryland, College Park campus. This is a fun-filled morning for both proctors and students alike. Members can participate by monitoring student experiments and assisting the committee with logistics. Please contact us if you wish to help.

The Section has a long history of supporting Chemistry for High Schools. If you wish to become involved with these programs, or possibly to launch new endeavors, please contact us. This is one means of connecting our chemists with students and teachers, often in a fun-filled manner.

For more information, please contact Mike Zapf: Mike_Zapf@mccormick.com or 410-771-7471.

Student Affiliate (SA) Corner

Morgan State University - Dr. Louise Hellwig



Morgan State University's Chemistry Club had two speakers in February, both Morgan alums from 2003. Ms. Theresa Griffin, of Martek Biosciences in Columbia, outlined her career path into industry, and Ms. Corrin McBride, soon to be Ph.D. from Johns Hopkins University School of Medicine, described her path through graduate school.

We also had a Valentine's Raffle, postponed for a week due to snow, but still a Valentine's Raffle (!), which raised \$150 for the Red Cross in Haiti. Top prize was a \$50 gift certificate for Cheesecake Factory; see photo of drawing of winning ticket. Other prizes were goodie baskets.

Applications are Being Accepted for the 2010 Undergraduate Student Travel Awards

Students can apply to receive up to \$500 for travel and expenses to attend a National ACS Meeting or up to \$300 to attend a Regional ACS Meeting. Open to undergraduate student affiliates of the ACS who are enrolled full time in a college or university in the Maryland Section.

The application should include:

- The meeting you plan to attend along with location, dates
- An estimated budget (cost for travel, registration, lodging, and meals)
- A 250 word essay describing your motivation for attending the meeting (if you plan to present, include a brief description of the work to be presented)
- A letter of support from a faculty member in your department

Review of applications will begin January 15th but will continue through the year until all funds are utilized. Applications should be mailed to: Dr. Paul Smith, UMBC, Department of Chemistry and Biochemistry, 1000 Hilltop Circle, Baltimore, MD, 21250 or sent via e-mail: pjsmith@umbc.com.

Apply now for ACS Scholars support

The American Chemical Society Scholars Program is still accepting applications for the 2009-2010 academic year.

Complete information and the online application form can be found on the [ACS Scholars program web site](#).

Interested applicants can also inquire by phone at (800) 227-5558, ext. 6250 (toll-free), or 1-202-872-6250, or by e-mail at scholars@acs.org. Application Period: November 1, 2009 - March 1, 2010. Applications and supporting documents are due by March 1, 2010.



K-12 Educational Outreach

We know that people have limited time. But taking the time to mentor others, as all of us were once mentored by someone, is a truly fulfilling experience. If you have any questions or are thinking about helping out with a future event, please feel free to contact us at (mdchem@mdchem.org).

Chemists Celebrate Earth Day 2010: "Plants - The Green Machines!"

The ACS Office of Community Activities (OCA) would like to remind you that **CHEMISTS CELEBRATE EARTH DAY (CCED) will be celebrated on April 22!** The CCED theme for 2010 is "Plants - The Green Machines!" Hopefully you are planning to celebrate on campus anytime during the week of April 22nd. The 2010 CCED edition of *Celebrating Chemistry* will be available online through the CCED home page in late January. It will contain hands-on activities and articles geared for students in grades 4-6. The CCED Order Forms will also be primed and ready to receive your orders in early January. Email updates regarding the order form and other relevant CCED information will be on the way soon. So get a head start on planning your activities for Chemists Celebrate Earth Day 2010! Stay tuned to www.acs.org/earthday for updates and the latest information as CCED is soon approaching!

Saturday, April 10, 2010 - 11am-12pm	East Columbia Library, Howard County	Earth Day events
Saturday, April 10, 2010 - 2-3pm	Central Library, Howard County	Earth Day events
Friday, April 16, 2010 - 2:30-4pm	APG Youth Center, Harford County	Earth Day events
Saturday, April 17, 2010 - 11am-12pm	Perryville Public Library, Cecil County	Earth Day events
Saturday, April 24, 2010 - 11am-12pm	Savage Library, Howard County	Earth Day events
Saturday, April 24, 2010 - 2-3pm	Elkridge Library, Howard County	Earth Day events
Friday, May 14, 2010 - 11am-12pm	Glenwood Library, Howard County	Earth Day events
Friday, May 14, 2010 - 2-3pm	Miller Library, Howard County	Earth Day events

Earth Day Community Event

The Maryland ACS will once again be participating in the Herring Run Watershed - Project Clean Stream Clean-Up Event on **Saturday, April 10th, 2010 - 9am-12pm**. Gloves, bags, and rakes are provided to assist in the clean-up. There is also an area available for breaks and snacks/drinks are provided. Please mark your calendars and plan to join us for this important event!! For questions about this event, please contact Maryland ACS POCs: Paul Smith, UMBC, (pjsmith@umbc.edu) or Lance Baird, JHU-APL, (Lance.Baird@jhuapl.edu).

Earth Day at the Maryland Science Center

MD ACS will be at the Earth Day events at the Maryland Science Center. The MD ACS will have tables set up and be doing hands-on experiments with young students.

What: Earth Day event

When: Saturday, April 24th, 2010 - 12-4pm

If you have any questions or want to assist with an event, please contact Maryland ACS POCs: Paul Smith, UMBC, (pjsmith@umbc.edu) or Lance Baird, JHU-APL, (Lance.Baird@jhuapl.edu).

Plants & People Sundays at the Rawlings Conservatory

The Howard Peters Rawlings Conservatory & Botanic Gardens in Druid Hill Park runs various programs on Sundays. The 2nd (Exploration Station), 3rd (Story Hour), and 4th (Ask a Scientist) Sundays are programs directed towards K-12 students and often include hands-on science activities.

Where: Howard Peters Rawlings Conservatory & Botanic Gardens, 3100 Swan Drive, Baltimore, MD 21217 (by the zoo)

When: Almost every Sunday

For more information, visit their website or call (410) 396-0008 for details on the upcoming Sunday program!!

(http://www.baltimorecity.gov/government/recnparks/special_facilities.php#Howard)



EARTH DAY

APG

Earth and Arbor Day

Celebration

(Open to the Public)

Save the Date: Friday, April 16, 2010

9am-12pm

Poster contest winners announced, poster submissions viewing, EAGLES, Woodsie the Owl, Hands-on Earth Day science activities, Native Maryland Tree seedling give-away & MORE!!



ARBOR DAY

2010 Gains in the Education of Mathematics & Science (GEMS) Summer Program at the US Army Research Lab (ARL)

GEMS is an in-depth, professional science experience where a diverse group of middle and high school students do hands-on experiments in an Army lab with Army Scientists & Engineers for 1-week. The goals of the program are to motivate students in their study of math and science and to inspire them to consider careers in those fields. GEMS is for students who think that they might be interested in the pursuit of science as a career but maybe need a more in-depth experience to satisfy their natural curiosity of what 'working in a real lab' is like. GEMS at APG is for students entering into the 7th grade (Fall 2010) through students entering into the 10th grade (Fall 2010) or older high school students (11/12 grades) who have never participated in the program previously. The program is limited to 112 student slots (28 per week) and 8 Summer Apprentice positions. Each summer we have over 300 applicants for these slots so we'd ask parents NOT to use this program as a summer camp if they know that their student does not like science.

Information on the 2010 GEMS program at Aberdeen Proving Ground can be found at (<http://www.usaeop.com/programs/GEMS/ARL.html>). Applications will ONLY be accepted through the website - STUDENTS should click on 'Apply Now' and fill out the application. Registration for the APG program will open February 1 and will close March 15, 2010. STUDENTS are required to write a short essay on why they want to attend. Those students who are military dependants should indicate this in their essay. Letters of acceptance will be sent out by April 24, 2010.

The Maryland ACS sponsors some of the activities at GEMS at APG. A number of Maryland ACS members have had their young, aspiring science student participate in GEMS.

Science Night at Pleasant Plains Elementary

On Wednesday, February 3rd, a school night, members of the MD ACS helped teachers at Pleasant Plains Elementary launch their science fair 'season' by running a science night event at the school. While teachers discussed science fair requirements with parents upstairs, the science night event, including free pizza was going on downstairs. The event had 8 different hands-on experiments, 10 teacher volunteers, and 4 ACS volunteers (including Dr. Shirish Shah of Towson University and Dr. Louise Hellwig of Morgan State University). Students received a 'ticket' for each experiment completed and science prizes were pulled from a pool of completed experiment tickets. 25 science prizes were given away. Over 200 parents and students were in attendance at the event.

Other Educational Outreach Programs

With recognition of the decreasing numbers of trained STEM professionals that are US citizens, the general decline of hands-on activities in Science, Technology, Engineering, and watering-down of Mathematics in many K-12 programs, and many people's general lack of understanding of STEM topics in society, the Department of Defense has coordinated many of their programs into single websites that contain a wide-range of educational outreach programs, internships, and scholarship opportunities available for K-12, undergraduate, graduate students and beyond.

Information on the wide-variety of programs through the **US Army Educational Outreach Program (AEOP)** can be found on their website (<http://www.usaeop.com>).

Information on the wide-variety of programs through the **National Defense Education Program (NDEP)** can be found on their website (<http://www.ndep.us>).

Many of the programs/opportunities that are listed on these two sites are available to students for participation in Maryland locations.

RE-SEED (Retirees Enhancing Science Education through Experiments and Demonstrations)

Since 1991, the RE-SEED program at Northeastern University has trained retired scientists and engineers and others with backgrounds in science or mathematics to provide classroom assistance to K-12 science teachers. There are over eighty volunteers assisting science teachers in the greater Boston area. After taking part in a comprehensive training program, participants typically assist in school classrooms one day a week for most of the academic year. The RE-SEED Program is part of the Center for STEM (science, technology, engineering and mathematics) Education at Northeastern University. Other programs focus on science teacher training and student assistance in science learning.

Northeastern University has assisted in the formation of more than fourteen regional volunteer centers where over 600 RE-SEED volunteers have worked in schools in about 100 communities throughout the country, offering approximately 600,000 hours of their time. You can learn more about RE-SEED by visiting their website, www.reseed.neu.edu or by calling Paul Conroy at 617-373-8388 or by email to pa.conroy@neu.edu.

The Center for STEM Education, Northeastern University, 1135 Tremont St., Suite 940 RP, Boston, MA 02120



March Historical Events In Chemistry

By: Leopold May

- March 1, 1910 One hundred years ago, Archer J. P. Martin was born. He shared the Nobel Prize in Chemistry with Richard L. M. Synge in 1952 for their invention of partition chromatography.
- March 3, 1876 Seventy-five years ago in 1935 on this date, Gregory P. Baxter and C. P. Alter determined atomic weight of lead, which led to estimations of the age of minerals.
- March 5, 1893 Emmett J. Culligan who founded the world's largest water treatment organization as well as concept of water softening, was born on this date.
- March 7, 1792 John F. W. Herschel, inventor of photography on sensitized paper, was born on this day. He introduced the terms, positive & negative for photography.
- March 8, 1879 Otto Hahn discovered protactinium with Lise Meitner in 1917 and did research in nuclear fission with Otto Strassman. He received the Nobel Prize in Chemistry in 1944 for his discovery of the fission of heavy nuclei. He was born on this date.
- March 12, 1900 Seventy-five years ago in 1935, Frédéric J. Joliot (Joliot-Curie) shared the Nobel Prize in Chemistry with his wife Irène Joliot-Curie, for production of artificial radioisotopes. In 1934, he, H. Halban, and L. W. Kowarski proved experimentally that neutron emission occurs in nuclear fission. He was born on this date.
- March 13, 1733 Joseph Priestley, who was born on this date, was the discoverer of oxygen, ammonia, hydrochloric acid gas, carbon monoxide, sulfur dioxide, and oxides of nitrogen. He also made the first soda drink.
- March 14, 1935 Seventy-five years ago, Julius B. Cohen died on this date. He was a researcher on the laws of aromatic substitutions and optical activity. He was born on May 6, 1859.
- March 14, 1935 Seventy-five years ago, Athur Hantzsch died on this date. He was a researcher in electrical conductivity of organic compounds, organic acids and stereochemistry of nitrogen compounds. His birthdate was March 7, 1857
- March 17, 1803 In 1826, Carl Löwig was one discoverer of bromine but because of examinations did not publish a report, thereby allowing A. Balard to receive precedence of discovery. He was born on this date.
- March 20, 1735 Two hundred and seventy-five years ago, Torbern Bergman was born on this date. He was a researcher on carbon dioxide, hydrogen sulfide and the preparation of artificial mineral water.
- March 21, 1932 Walter Gilbert, researcher on the determination of deoxyribonucleic acid (DNA) base sequence; was born on this date. In 1980, he shared the Nobel Prize in Chemistry with Paul Berg and Frederick Sanger for their contributions concerning the determination of base sequences in nucleic acids.
- March 22, 1788 Pierre J. Pelletier discovered quinine, strychnine, and other alkaloids; obtained toluene by distilling pipe resin with Philip Walter, 1836. He was born on this date.
- March 23, 1962 Neil Bartlett made the first noble gas compound, XePtF₆, on this date.
- March 25, 1863 Simon Flexner isolated the common strain of dysentery bacillus, *Shigella dysenteriae* pm 1899. He developed curative serum for cerebrospinal meningitis in 1907 and was born on this date.
- March 27, 1847 One hundred years ago, Otto Wallach, a researcher on essential oils and terpenes, was awarded the Nobel Prize in Chemistry in 1910 in recognition of his services to organic chemistry and the chemical industry by his pioneer work in the field of alicyclic compounds. He was born on this date.
- March 28, 1861 George C. Pond, a chemistry teacher and preserver of the Priestley home in Pennsylvania, was born on this date.
- March 30 1920 Daniel E. Koshland, Jr., catalytic activity of enzymes, Editor, *Science*,

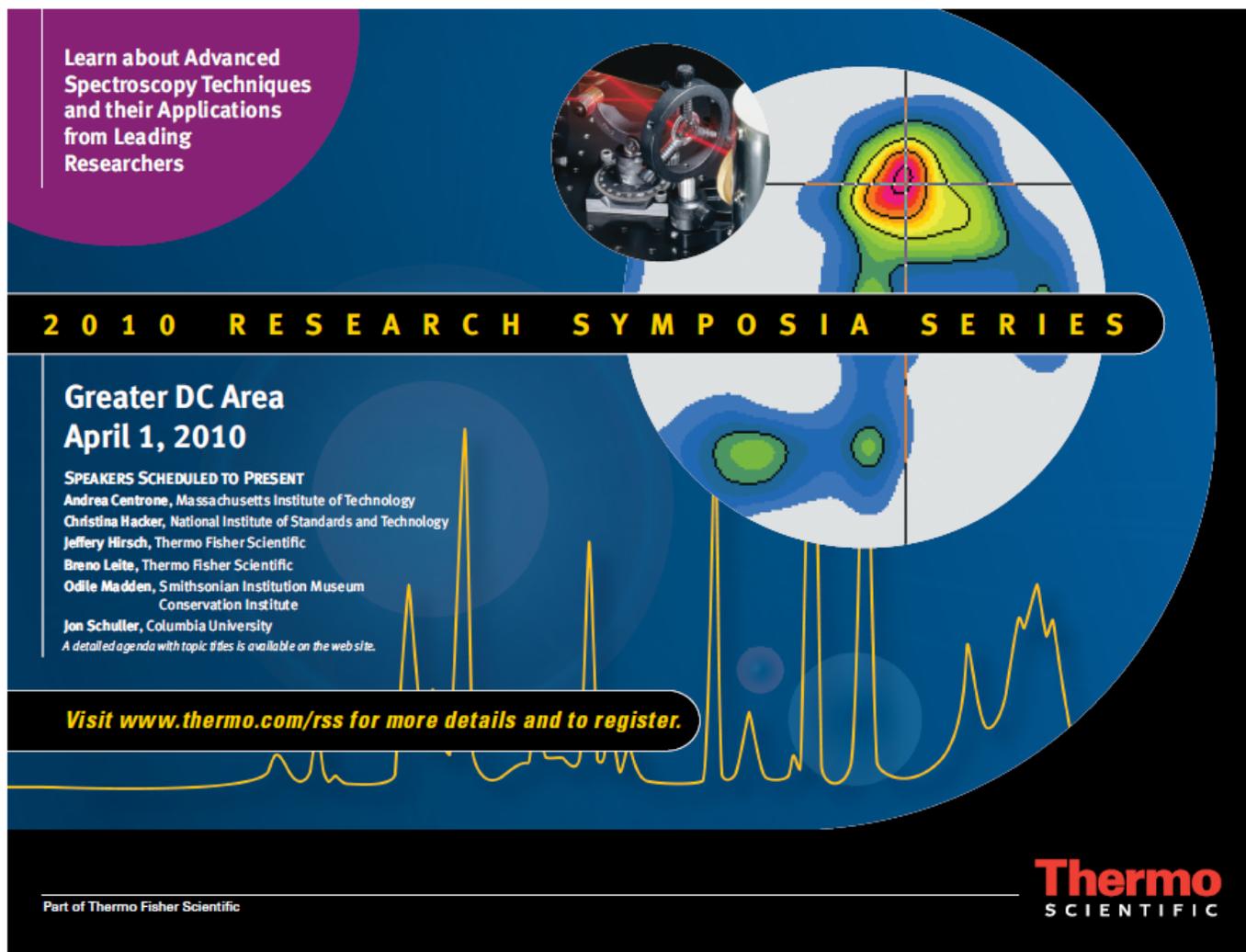
~ Continued on Page 11 ~

March 31, 1860

One hundred and fifty years ago, Isidor Traube was born on this date. He founded capillary chemistry and did research on liquids and critical temperature, osmosis, surface tension and colloids (suspensions of nanometer-sized particles). In addition, he designed a viscometer and capillarimeter and in 1891 made the first systematic observation of the hydrophobic effect.

For more historical facts on chemistry, visit Dr. May's website at <http://faculty.cua.edu/may/>.

An informal association, Society for the Propagation of the Music of the Chemist-Composers, has been formed to publicize the music of chemist-composers. For information, see <http://faculty.cua.edu/may/SPMCC.htm>.



Learn about Advanced Spectroscopy Techniques and their Applications from Leading Researchers

2 0 1 0 R E S E A R C H S Y M P O S I A S E R I E S

**Greater DC Area
April 1, 2010**

SPEAKERS SCHEDULED TO PRESENT
Andrea Centrone, Massachusetts Institute of Technology
Christina Hacker, National Institute of Standards and Technology
Jeffery Hirsch, Thermo Fisher Scientific
Breno Leite, Thermo Fisher Scientific
Odile Madden, Smithsonian Institution Museum Conservation Institute
Jon Schuller, Columbia University
A detailed agenda with topic titles is available on the web site.

Visit www.thermo.com/rss for more details and to register.

Part of Thermo Fisher Scientific

**Thermo
SCIENTIFIC**

Job Hunting Corner

Job Hunting?

We don't always have job posts in the Chesapeake Chemist. But if you have a position available locally, you are welcome to send them to us for posting in the Chesapeake Chemist. If you are job hunting, remember to put your membership to work by using the ACS job bank: (ACS Careers: www.acs.org/careers).

ACS offers special benefits for unemployed members

During these tough economic times it's more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an unemployed member dues waiver, allowing them to renew their memberships and keep their member benefits at no cost. Contact ACS at service@acs.org, 800-333-9511 or 614-447-3671 for complete details.

Other valuable benefits that help ACS member get back in the workforce include:

- Free registration at ACS National Meetings and registration fees at Regional Meetings of just \$25. Meetings offer ACS Career Fairs with on-site interviews.
- Special discounts for ACS/Harvard courses, ACS ProSpectives and Short Courses, and the ACS Leadership Development System.
- Membership in the ACS Network, your online resource to connect and communicate with friends, colleagues, and potential employers
- Free Guidance from ACS Career Consultants - ACS mentors offer resume reviews, job search strategies, and interview tips that make you stand out from the rest.
- Free access to InterviewStream, an online tool that will sharpen your interview skills
- Members-only access to the ACS Salary comparator.
- And more!

Contact ACS customer service today at service@acs.org, 800-333-9511 or 614-447-3671 today and let us know how we can help.

REMINDER: Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic only mailings to our MD ACS membership in October 2006. Please remember that we are dependant on the National ACS records for your correct, current e-mail.

Changing your e-mail address? Moving out of the MD ACS area? E-mail changes can be updated either by:

- E-mailing us at mdchem@mdchem.org - give us your member #, full name, and e-mail changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only)** or service@acs.org

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail (mdchem@mdchem.org) to your accepted e-mail address list IF you have a spam filter.

If you are a member who currently doesn't receive the Maryland ACS Chesapeake Chemist but download it from our website, it is possible that National ACS does not have your e-mail address on file. If you want to receive the Chesapeake Chemist via e-mail, please e-mail us at mdchem@mdchem.org - give us your member #, full name, and e-mail address and we can ensure that your records are updated with National ACS.

The current edition and previous editions of the Chesapeake Chemist can ALWAYS be obtained via our website: <http://mdchem.org> - please see the Newsletter Archive link on the right-hand side of the website.

Call for Volunteers for Committee Positions

Interested in how your dues get used and want to work on interesting member programs/projects? If you want to get involved with the Maryland Section Executive Committee and/or with section activities, we want to hear from YOU! The Maryland ACS Executive Committee meets 4 times during the year to discuss and plan activities. Please feel free to contact the chair, vice-chair, or chair-elect via e-mail to get more information on various areas/activities that you are interested in or that we would like to start or expand in the future. The amount of time to commit would be up to you but might be around 2 hours per month, depending on the activity. We are always looking for individuals with budget/financial, editing, and planning skills.

Our Section is always looking for volunteers for our various committees. We are currently looking to fill positions for:

- Archivist
- Young Chemist Chair
- Women's Chemist Chair

Please contact **Walter Roy** (Walter_Roy@mccormick.com, 410-771-7886) or **Alvin Kennedy** (alvin.kennedy@gmail.com, 443-885-3794)

Get Involved, Stay Involved

As you know, the American Chemical Society offers many ways for its members and non-members to get involved at the local, regional and national levels. There are opportunities for everyone, whether you are a student, or just starting your career, or a seasoned professional. Are you interested in getting involved, but don't know where to start? Are you already involved with one or more ACS activities but need help finding resources? Please visit (<http://www.acs.org/getinvolved>) to find a streamlined list of links of helpful procedures and resources specifically geared towards your area of interest.

Alternately, you can contact the Maryland ACS Section directly... Like working with students? Have a talent for encouraging students in science? Have ideas for outreach events? Sign up for our volunteer news. Contact us at mdchem@mdchem.org.



micron inc
ANALYTICAL SERVICES

MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

OM / SEM / EDXA / TEM / SAED, EPA / WDXA
XRF / ESCA / AUGER / XRD
DSC / TGA / MFTIR

3815 LANCASTER PIKE, WILMINGTON, DE 19805
Phone: 302-998-1184, Fax: 302-998-1836

E-mail: (micronanalytical@compuserve.com)
Website: (<http://micronanalytical.com/>)

The Chesapeake Chemist is e-published monthly September through June by the Maryland Section of the American Chemical Society. Send submissions to the editor in electronic format. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of the authors. The editor is not responsible for all unsigned material.