

Chesapeake Chemist

*Maryland Section
American Chemical
Society*



As we wait for the ground to unfreeze so that we can venture out into the great outdoors once again, please **SAVE THE DATE** for our next meeting...

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



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](http://www.meetup.com/Maryland-American-Chemical-Society/) 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/>

Save the Date: 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 <p style="text-align: center;">~ Various door prizes and other prizes will be awarded ~</p>

Price: FREE!

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 ~

Save the Date: April Meeting

What: Maryland ACS April Student Awards Meeting

When: Sunday, April 11 - 12-4pm

Where: Burkshire Marriott, Towson, MD

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

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) - Charles Rowell

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

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/>) ~

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.



Spring 2010 - Important Dates



February 2010	Section Meeting – Details To-Be-Announced
March 10, 2010	March Section Meeting – Chem Extravaganza! – Student Affiliates & MD ACS Member Chemistry Challenge & Social – UMBC
March 21-25, 2010	239 th National ACS Meeting & Exposition, San Francisco, CA (http://chemistry.org/meetings)
April 3, 2010 (Saturday)	MD ACS Earth Day Community Event – Project Clean Stream – Herring Run Park (Argonne Drive & Harford Road), Baltimore, MD
April 18, 2010	Student Awards Meeting – <i>Date is tentative</i> – Berkshire 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	240 th National ACS Meeting & Exposition, Boston, MA (http://chemistry.org/meetings)

Student Affiliate (SA) Corner

National Meeting Travel Grants Available for Student Affiliates

Active Student Affiliates chapters with students presenting posters at the Spring 2009 national meeting can apply for a \$300 travel grant. Applications are due by January 15, 2010. Information is available on the [National ACS website](#).

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.

Student Awards - April 2010

For many years the section has hosted a student awards meeting where hard-working students who are excelling in their chemistry studies are recognized. The section will be soliciting one nominee from each college/university within the Maryland Section boundaries to honor at the Student Awards Meeting in April 2010 (tentatively scheduled for April 18th, 2010). If you are curious as to the Maryland Section boundaries, which do NOT encompass the entire state of Maryland, please refer to the map at (<http://www.mdchem.org/section.html>). The Maryland ACS Points-of-Contact for this event are Dr. Crystal Yau (cyau@ccbcmd.edu) and Dr. George Farrant (gfarrant@yahoo.com). Nominations (full student name, school attending, and digital photo) will be due to Drs. Yau and Farrant via e-mail no later than Friday, February 1, 2010.

International research for undergraduates

ACS is accepting applications for the [International Research Experience for Undergraduates](#) exchange program. U.S. students can pursue summer research in France, Italy, Germany, and the United Kingdom. European students can conduct summer research at selected REU sites in the United States. The deadline to apply is January 31, 2009.

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).

Things are often pretty slow during the winter season. We have a few Educational Outreach events coming up for National Engineering Week, which is February 14-20, 2010.

Wednesday, Pleasant Plains Elementary, Baltimore County Science Night
February 3, 2010
6-8pm

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**. 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).

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)

Friday, April 16, 2010

9am-12pm

Aberdeen Area Youth Center

Bldg 2522

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.

2010 National Chemistry Olympiad

The Section is preparing to look for students to take the 2010 exam for the National Chemistry Olympiad. The local exam takes place in April, and the students chosen to attend the US training camp are announced in May. In June the training takes place at the US Air Force Academy in Colorado, and the International competition takes place in July in Japan.

Last year, the Section had the good fortune to have a student attend the training camp. As announced, Mr. Richard Li of River Hill HS went to camp with all expenses paid by National. We also had several students place in the upper percentiles among the 1000 students taking the exam nationwide.

Soon we will begin the search for this year's local group whom will take the national exam. We can test 13 students as the slots are allotted according to the size of each Section. If you are aware of a student who might perform well in the challenging 3-part exam, including lab practical, please ensure that they and their teacher get in contact with us. A formal and timely recommendation is required.

Dr. Shrish Shah (sshah@towson.edu)

Mr. Mike Zapf (Mike_Zapf@mccormick.com)

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



January Historical Events In Chemistry

By: Leopold May

- January 1, 1998 Rhodia was established from the merger of Rhône-Poulenc's divisions of chemicals, fibers and polymers on this date. It was originally founded as the Société Chimique des Usines du Rhône in 1895.
- January 3, 1871 Henry Bradley, Binghamton, NY, was granted the first patent on oleomargarine (U.S. [Patent No. 110,626](#)) on this date.
- January 5, 1943 George W. Carver died on this day. He isolated and synthesized over 400 products from peanuts and sweet potatoes. He was born on July 12, 1861.
- January 9, 1922 H. Gobind Khorana, first to synthesize an artificial gene, was born on this date. He did research on the interpretation of genetic code and protein synthesis function. In 1968, he shared the Nobel Prize in Physiology or Medicine with Marshall W. Nirenberg and Robert W. Holley for their interpretation of the genetic code and its function in protein synthesis.
- January 12, 1579 Jan Bapista Van Helmont, born on this date, was an alchemist who proposed two basic elements, air and water. He was a founder of pneumatic chemistry and coined the term "gas."
- January 14, 1910 One hundred years ago on this date, Jacob Volhard died on this date. He did organic synthesis, including creatine, brominated organic acids, and thiophene compounds. He was born on June 4, 1834.
- January 15, 1785 Two hundred and twenty-five years ago, William Prout was born on this date He suggested that all atomic weights were multiples of weight of hydrogen (Prout's Hypothesis) and identified hydrochloric acid in the stomach.
- January 16, 1817 Thomas Antisell, the first president of the Chemical Society of Washington, was born on this day.
- January 17, 1910 One hundred years ago on this date, Frederich W. G. Kolrausch died. He was a researcher on electrical conductivity, dilution of strong electrolytes and conductivity (Kohlrausch's equation). October 14, 1840 was his birthrate.
- January 19, 1885 One hundred and twenty-five years ago, Harry L. Fisher, who was an inventor in field of rubber technology and synthetic rubber, was born on this date.
- January 22, 1917 William D. McElroy, who discovered the enzyme that makes fireflies glow (while he was at Johns Hopkins University, where he served as Chairman of the Biology Department), was born on this day. He was also the head of the National Science Foundation from 1969 to 1972.
- January 23, 1929 John C. Polanyi, who did research using infrared chemiluminescence to follow the excited reaction products, was born on this day. He shared the Nobel Prize with Dudley R. Herschback and Yuan T. Lee in 1986 Lee for their contributions concerning the dynamics of chemical elementary processes.
- January 24, 1935 Beer was first sold in cans on this day.
- January 25, 1917 Ilya Prigogine, a researcher in irreversible processes, was born on this date. He was awarded the Nobel Prize in Chemistry in 1977 for his contributions to non- equilibrium thermodynamics, particularly the theory of dissipative structures.
- January 29, 1838 Edward Morley was born on this day. He performed ether drift experiments with Albert A. Mickelson and made extremely accurate determination of the combining weights of hydrogen and oxygen.
- January 30, 1891 Harold Booth, who was a researcher in inorganic chemistry, particularly with fluoride gases, was born on this date.



February Historical Events In Chemistry

By: Leopold May

- February 3, 1893 Lenora Neuffer Bilger, a researcher in asymmetric nitrogen compounds, was born on this date. She also received the Garvan Medal from ACS in 1953.
- February 5, 1840 John Boyd Dunlop, who developed pneumatic rubber tires, was born on this date.
- February 6, 1860 One hundred and fifty years ago, Nikolai D. Zelinsky, was born on this date. He was a researcher on the catalysis of disproportionation reactions of hydrocarbons and the bromination of fatty acids (Heil-Volhard-Zelinsky reaction).
- February 7, 1850 John B. F. Herreshoff, who developed the method for manufacturing sulfuric acid, was born on this date.
- February 8, 1777 Bernard Courtois who was born on this day, discovered iodine in the liquor from the lixiviation of kelp in 1811.
- February 8, 1866 Moses Gomberg, who synthesized the first stable free radical (triphenylmethyl), was born on this date. He also did research on tautomerism.
- February 11, 1847 Thomas A. Edison was an inventor who invented the incandescent lamp and the mimeograph. He was born on this date.
- February 12, 1785 Two hundred and twenty-five years ago, Pierre L. DuLong was born on this date. He discovered nitrogen trichloride in 1813; and was a researcher on refractive indices and specific heats of gases. In 1819, he and Aléxis Thérèse Petit discovered the Law of constancy of atomic heat and suggested that acids were compounds of hydrogen in 1815. He devised formula for heat value of fuels (DuLong Formula).
- February 14, 1917 Twenty-five years ago in 1985, Herbert A. Hauptman and Jerome Karle shared the Nobel Prize in Chemistry for their outstanding achievements in the development of direct methods for the determination of crystal structures. Herbert A. Hauptman was born on this date.
- February 18, 1745 Alessandro G. A. A. Volta, who born on this date, invented the voltaic pile, *vota pila*, and observed the bubbling of methane in swamps. He developed a gas lantern that was electrically ignited. The unit of electric potential, the volt, is named in his honor.
- February 20, 1937 Robert Huber, who did research on the three-dimensional structure of proteins involved in photosynthesis, was born on this date. In 1998, he shared the Nobel Prize in Chemistry with Johann Diesenhofer and Hartmut Michel for the determination of the three-dimensional structure of a photosynthetic reaction centre.
- February 24, 1913 William S. Johnson devised new and efficient methods to synthesize complex molecules including corticoid steroids. He was born on this date.
- February 25, 1869 Phoebus A. T. Levene, who was born on this date, was as a researcher on the biochemistry of proteins,
- February 26 1905 William J. Sparks, an innovator and developer in synthetic rubber was born on this date.

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>.

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.