

# Chesapeake Chemist

*Maryland Section  
American Chemical  
Society*



~ **Mr. John Quinn** ~  
Director - Environmental Issues  
Constellation Energy  
(<http://www.constellation.com/portal/site/constellation/>)

"Impending Climate Policy - What it means to You?"

Wednesday, November 18, 2009 - 6pm - BGE Rutherford Business Complex, Woodlawn, MD

November 2009

Volume 66, Number 3

## Message from the Chair

Dear Fellow Members,

We are headed into a new year for our Section, and as we wind down events for 2009 I invite you to take a look at some of the great projects made available to you this year. Projects in which to get active during the upcoming year. We are most grateful to all whom have served so faithfully this year in establishing new programs; as well as, those nurturing and preserving established programs.

One of the rapidly growing projects is the upgrading of our Maryland web site and we are all very excited about this. Remember, we also have several projects for younger children, high school students, college students, scouting, Younger Chemist, Women Chemist, National divisions in any field of Chemistry, National Chemistry Week, Public Relations, National legislation lobbying, and many more activities. Take this coming year as an opportunity to become an active part of your organization.

As members of the ACS we are beneficiaries of the programs and services, both Nationally and locally, should we not also offer some small amount of service for those benefits? If we wish to have a better organization, improve things about which we are not pleased, do we not have some obligation to serve in said organization to help implement that growth? With over 2,000 members, I see a bright future with all of us contributing even a small amount of time .... and to encourage our businesses to support this oldest, and most professional association.

On behalf of the staff and members of the Maryland Section of the ACS, I wish each of you a very blessed and Happy Thanksgiving.

Sincerely,  
Walter A. Roy, Jr.  
2009 Chair, Maryland Section

## November Meeting

Wednesday, November 18, 2009 - 6-8:30pm - BGE Rutherford Business Complex  
7225 Windsor Boulevard, Woodlawn, MD 21244

6:00-6:45pm	Registration / Networking & appetizers
6:45-7:45pm	Speaker Presentation - 'Impending Climate Policy - What it means to You'
7:45-8:30pm	Pizza Dinner/Social

Price: Members - \$10; Retired Members and Guests - \$10; Students - FREE  
Contact: For questions, contact Alvin P. Kennedy Ph.D. - alvin.kennedy@morgan.edu - (443) 885-3794  
or Dr. Shirish Shah - sshah@towson.edu - (410) 704-2720  
Where: BGE Rutherford Business Complex, 7225 Windsor Boulevard, Woodlawn, MD 21244

### Directions to BGE Rutherford Business Complex:

7225 Windsor Boulevard  
Woodlawn, MD 21244

- Take the Baltimore beltway, I-695, around to the west side of the beltway
- Take the MD-26/LIBERTY ROAD exit, EXIT 18, toward LOCHEARN/RANDALLSTOWN. 0.1 mi
- Take the MD-26 W exit, EXIT 18B, toward RANDALLSTOWN. 0.0 mi
- Turn LEFT onto LORD BALTIMORE DR. 0.1 mi
- Turn LEFT to stay on LORD BALTIMORE DR. 1.2 mi
- Turn RIGHT onto WINDSOR BLVD. 0.1 mi
- 7225 WINDSOR BLVD is on the LEFT.

~ Speaker Information & Abstract on Page 4 ~

## ACS Maryland Section - Officers and Committee Chairs

### Section Officers:

*Chair 2009* - Walter Roy, McCormick & Company, Inc, (410) 771-7886; [walter\\_roy@mccormick.com](mailto:walter_roy@mccormick.com)  
*Vice-chair (chair 2010)* - Alvin Kennedy, Morgan State University, (443) 885-3115; [alvin.kennedy@morgan.edu](mailto:alvin.kennedy@morgan.edu)  
*Chair-elect (chair 2011)* - Mike Zapf, McCormick & Company, Inc, (410) 771-7471 ; [Mike\\_Zapf@mccormick.com](mailto:Mike_Zapf@mccormick.com)

*Secretary* - Sara Narayan, Stevenson University - (443) 334-2326; [snarayan@stevenson.edu](mailto:snarayan@stevenson.edu)

*Treasurer* - Liina Ladon, Towson University, Chemistry Department, 8000 York Road, Smith Hall Rm. 538, Towson, MD 21252, (410) 704-3054, [lladon@towson.edu](mailto:lladon@towson.edu)

### Councilors:

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David Roswell  
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[droswell@lovol.edu](mailto:droswell@lovol.edu)

Charles Rowell  
retired  
[cfrowell35@verizon.net](mailto:cfrowell35@verizon.net)

**Alternate Councilors:** Shirish Shah (Towson), Paul Smith (UMBC), Joseph Topping (Towson)

**Members at Large:** Lance Baird (JHU-APL), Maurice Iwunze (Morgan), Angela Wells Winstead (Morgan), Takashi Tsukamoto (JHMI)

### Committee Chairs:

*Student Awards (April)* - George Farrant - (410) 455-4120; [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com)

*MD ACS Student Grants - Travel & Student Affiliate Awards (February/March)* - Paul Smith, [pjsmith@umbc.com](mailto:pjsmith@umbc.com)  
or Louise Hellwig, [Louise.Hellwig@morgan.edu](mailto:Louise.Hellwig@morgan.edu)

*Remsen Award (May/June)* - Lev Ryzhkov; [lryzhkov@towson.edu](mailto:lryzhkov@towson.edu)

*Braude Award (October)* - Charles Rowell

*Maryland Chemist Award (December)* - Angela Sherman - (410) 532-5713; [ASherman@ndm.edu](mailto:ASherman@ndm.edu)

*Maryland Service Award* - Shree Iyengar - (410) 777-2266; [ssiyengar@aacc.edu](mailto: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](mailto:Lance.Baird@jhuapl.edu))

*Environmental Issues* - Shirish Shah - (410) 704-2720  
[sshah@towson.edu](mailto:sshah@towson.edu) & Lance Baird

*Finance Committee* - Jan Kolakowski - (410) 436-2755  
[jan.kolakowski@us.army.mil](mailto:jan.kolakowski@us.army.mil)

*Government Relations* - Shirish Shah & Robert von Tersch - [robert.l.vontersch@us.army.mil](mailto: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](mailto:aamah@coppin.edu)

*Public Relations* - Shirish Shah & Walter Roy,  
[Walter\\_Roy@mccormick.com](mailto:Walter_Roy@mccormick.com)

*Retired Chemists* - Alvin Bober, [abober@verizon.net](mailto: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](mailto:aredmiller@cs.com)

### Educational Programs:

*Chemistry Olympiad/Chem-a-Thon* -  
Shirish Shah & Mike Zapf,  
[Mike\\_Zapf@mccormick.com](mailto: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](mailto: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](mailto:mdchem@mdchem.org))

### Chesapeake Chemist Editor:

([mdchem@mdchem.org](mailto: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](mailto:mdchem@mdchem.org)).**

**Abstract:** “Impending Climate Policy - What it means to You”

Mr. Quinn will provide an snapshot of Greenhouse Gas related policy developments including an overview of control policies already in place, pending developments and those expected in the near term. Together, these policies ensure that the world will never be the same.

**About the speaker**



**Mr. John Quinn**  
Director of Environmental Issues  
Constellation Energy Group  
100 Constellation Way Room 10C-21  
Baltimore, MD 21202  
410-470-1215  
[john.quinn@constellation.com](mailto:john.quinn@constellation.com)

**Speaker Bio:**

John Quinn is an Environmental Engineer and serves Constellation Energy as the Director of Environmental Issues. He has responsibility for dealing with the broad range of regulatory and policy issues that affect Constellation Energy and the communities which it serves. Mr. Quinn has more than two decades of professional experiences, including tenures with state and local regulatory agencies. He holds Bachelor and Masters of Science degrees from the University of Maryland.

Mr. Quinn serves on a variety of national and local industry and regulatory committees and leads several efforts including:

- Chairman of the Maryland Department of the Environment’s Air Quality Control Advisory Committee;
- Chairman of the Maryland Chamber of Commerce’s Environment Committee;
- Baltimore City Sustainability Commissioner, and
- Member of the Maryland Commission on Environmental Justice and Sustainable Communities.

Air Quality and Climate Change are areas of particular interest to Mr. Quinn as the issues are strategic to all Constellation Energy activities.

**MD ACS Total Membership as of November 2009: 2,096 members**

**Results from the 2010 elections will be announced in the December Chesapeake Chemist.  
Thanks to all who took the time to vote!!**



## Fall 2009 - Important Dates



November 18, 2009  
December 9, 2009

John Quinn, Director - Environmental Issues, Constellation Energy  
Maryland Chemist of the Year Award and Reception - Dr. Carole Bewley, NIH - Presentation on 'Natural Products from the Marine Environment-- Diversity, Origins and their Use as Anti-Infectives' - Burkshire Marriott, Towson, MD



## Spring 2010 - Important Dates



February 2010  
March 2010  
April 3, 2010  
(Saturday)  
April 2010  
April 22, 2010

Section Meeting - Details To-Be-Announced  
Section Meeting - Details To-Be-Announced  
MD ACS Earth Day Community Event - Project Clean Stream - Herring Run Park (Argonne Drive & Harford Road), Baltimore, MD  
Student Awards Meeting - Date/Location to be determined  
Earth Day

## Two 2009 Nobel Prizes Awarded in Biochemistry

By: Leopold May, The Catholic University of America, Washington, DC

Two Nobel Prizes were awarded this year in the field of biochemistry.

The first, the Nobel Prize in Chemistry, for studies of the structure and function of the ribosome was awarded to Venkatraman Ramakrishnan, MRC Laboratory of Molecular Biology Cambridge, UK, Thomas A. Steitz, Yale University, New Haven, CT, and Howard Hughes Medical Institute, and Ada E. Yon, Weizmann Institute of Science, Rehovot, Israel. The ribosome is an organelle in the living cell whose size is about 200 Å, composed of protein and ribosomal RNA that is the site of protein synthesis in the cytoplasm. They contain tRNA (transfer RNA) and mRNA (messenger RNA) that are used in the synthesis of proteins. Using x-ray crystallography, the awardees determined the molecular structure of the ribosome and generated three-dimensional models that show how different antibiotics bind to ribosomes.

The second, the Nobel Prize in Physiology or Medicine, was awarded to Elizabeth H. Blackburn, Carol W. Greider, and Jack W. Szostak for the discovery of how chromosomes are protected by telomeres and the enzyme telomerase. Their research revealed that DNA in the chromosomes is copied by the DNA polymerase enzyme during cell division. The ends are capped by telomeres if without which, the chromosomes would be shortened during each cell division, a key part of the cell's ageing mechanism. The telomerase contains a key RNA sequence that acts as a template for the telomere DNA, which attracts proteins to form a protective cap around the ends of the DNA strands.

## Student Affiliate (SA) Corner

### Morgan State University - Dr. Louise Hellwig



Morgan's Chem Club had two speakers this month: Kimberly Saunders of Bloomberg School of Public Health, and Fred Foreman of the EPA. For National Chemistry Week, Chem Club had a table in the Student Center where we projected questions about elements from the periodic table on the wall. Passing students were engaged to identify the elements to win a piece of candy. Chem Club had a great field trip to the Center for Marine Biotechnology at the Inner Harbor (photo). We participated in the American Heart Association Walk (photo) on Oct. 24; the 3-mile walk started at Federal Hill and went around the Inner Harbor. Last but certainly not least, two Chem Club members joined Dr. Kennedy (MSU chairperson) and Dr. Hellwig (Morgan's Chem Club advisor) in attending our local ACS section meeting (photo) Oct. 21 to hear Dr. Harrison's presentation. In addition, Ms. Daryl Cunningham - a sophomore chemistry major - won first place in the national ACS Chemistry Week Logo Design Competition. It appeared in the Chem Week issue of C&E News.

### Towson University - Dr. Shirish Shah

Towson students joined ARL scientists to do hands-on outreach at two Baltimore County Public schools in October & November for National Chemistry Week activities. The Towson Chemistry Magic Show on Nov 7, had about 600 kids, students and family members at Towson U. Ms. Liina Ladon and Mr. Al Pribula did wonderful job for 2 shows. Additionally 35 kids did lab experiments including Slime, Telescope etc. on the same day. Many chemistry students wrote essays regarding health care for NCW.

### Stevenson University - Dr. Sara Narayan

Stevenson University Chemistry Students started an ACS affiliate chemistry club this fall. Several events took place over the National Chemistry Week. Following are some of the events.



A talented chemistry senior designed the Stevenson University ACS Club's t-shirts and the design is shown below by three chemistry majors.

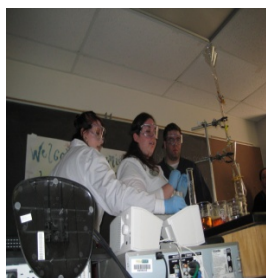


ACS Tie Dying - Members of the ACS Student Affiliates Club gathered to participate in a tie dying event to kick off one of many events the club has scheduled for the academic year. White Stevenson University Chemistry ACS shirts were used and students had various options for colors and designs. The club then decided to show off their shirts by wearing them during National Chemistry Week.



### National Chemistry Week Fashion

Students and faculty wore their newly designed SU ACS club t-shirts in honor of National Chemistry Week. The shirt was designed by students to reflect this year's theme of "Chemistry: It's Elemental!"



### MAGIC SHOW!!!!

One hundred students, faculty and staff enjoyed the annual Chemistry Magic Show. Students performed magic tricks to impress the audience and then explained why they worked using chemical principles they had learned in classes. Pizza, laughs, singing and chemistry- a good time was had by all!

### **University of Maryland - Baltimore County - Dr. Tara Carpenter**



The UMBC chapter celebrated National Chemistry Week with a bake sale. The highlight was our periodic table of cupcakes to go along with this year's theme. We also held raffles and contests which featured periodic table blankets as prizes. The campus community was also invited to make slime as a fun way to investigate chemistry.

### **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 15<sup>th</sup> 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](mailto:pjsmith@umbc.com).



## Outreach

### National Chemistry Week 2009 – Chemistry! It's Elemental!

In October, National Chemistry Week was celebrated nationwide. Events big and small were held as your colleagues made an effort to reach out to young students and create a spark for science. Here in the Maryland Section, this is one of our biggest outreach efforts for the year. We visited:

- 9 Libraries (Cecil, Harford, Howard Counties)
- The Rawlings Conservatory (Baltimore City)
- 15 Schools (Baltimore City, Baltimore/Cecil/Howard Counties)

One of our events was highlighted in the APG News

(<http://apgnews.apg.army.mil/Archive/pdf2009/Nov0509.pdf#page=15>)

Over the period of weeks, we worked with close to 2,000 young students.

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](mailto: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](http://www.acs.org/earthday) for updates and the latest information as CCED is soon approaching!



## Terrific Science

Don't have time to come out to one of our National Chemistry Week events with your elementary or middle school aged child or grandchild? Mickey Sarquis (winner of the 2008 Helen M. Free Award for Public Outreach) and the wonderful team at Terrific Science have free activities available for download on their website (<http://www.terrificscience.com/>). It's a great resource (besides the National ACS publication 'Celebrating Chemistry') for you to do some hands-on experiments at home and/or have some stimulating conversations. Check it out!

## 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](http://www.reseed.neu.edu) or by calling Paul Conroy at 617-373-8388 or by email to [pa.conroy@neu.edu](mailto:pa.conroy@neu.edu).

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

## 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](mailto: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](mailto:service@acs.org)**

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail ([mdchem@mdchem.org](mailto: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](mailto: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.



## November Historical Events In Chemistry

By: Leopold May

- November 1, 1909      One hundred years ago, Hooker Electro-Chemical Company was founded on this date.
- November 2, 1841      C. H. C. Willgerodt was born on this day. He did research on the conversion of internal ketones to terminal thioamides, which is known as the Willgerodt reaction.
- November 5, 1854      Paul Sabatier, researcher in catalysis in organic chemistry; discovered process for hydrogenation of oils to solid fats with Jean B. Senderens, was born on this date. In 1912, he shared the Nobel Prize in Chemistry for his method of hydrogenating organic compounds in the presence of finely disintegrated metals whereby the progress of organic chemistry has been greatly advanced in recent years with F. Victor Grignard for the discovery of the so-called Grignard reagent, which in recent years has greatly advanced the progress of organic chemistry.
- November 7, 1929      Eric Kandel discovered how the efficiency of synapses can be modified and did research in molecular mechanism of memory. He was born on this date. In 2000, he shared the Nobel Prize in Physiology or Medicine with Arvid Carlsson and Paul Greengard for their discoveries concerning signal transduction in the nervous system.
- November 11, 1884      One hundred and twenty-five years ago on this date, Jean-Baptiste A. Dumas died. He was a researcher on organic compounds, and isolated methanol in 1834 and anthracene with Peligot from coal tar in 1831. Also, he did research on the composition of water, vapor density and made accurate measurement of nitrogen in compounds (Dumas Method). He was born on July 14, 1800.
- November 14, 1863      One hundred years ago, Leo Baekeland patented Velox paper and plastic Bakelite. He was known as the "father of the plastic industry" and was born on this date.
- November 15, 1280      St. Albertus Magnus discovered arsenic in 1250 and the first to use affinity in the sense of chemical reactions. He died on this date.
- November 18, 1918      Lawrence E. Glendenin, who discovered promethium in 1945, with J. A. Marinsky and C. D. Coryell, was born on this date.
- November 20, 1886      Karl von Frisch, who discovered how bees orient and communicate, was born on this date. In 1973, he shared the Nobel Prize in Medicine with Konrad Lorenz and Nikolaas Tinbergen for their discoveries concerning organization and elicitation of individual and social behaviour patterns.
- November 24, 1859      One hundred and fifty years ago on this date, *The Origin of Species* by Charles Darwin was published by Oxford University Press.
- November 26, 1934      Seventy-five years ago on this date, Beckman Instruments, Inc., was incorporated.

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

### Teaching Position - McDaniel College

McDaniel College seeks an Adjunct Instructor to teach a Physical Chemistry course with lab for the 2010 Spring semester (1/25-5/7). Topics covered are basic thermodynamics and kinetics. An evening schedule for lecture and lab is possible. Interested applicants should send resume and transcript to: [rhsmith@mcdaniel.edu](mailto:rhsmith@mcdaniel.edu) (Richard H. Smith, Jr., Chemistry Dept., McDaniel College, 2 College Hill, Westminster, MD 21157). McDaniel College is an AA/EEOC institution.

### 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](http://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](mailto: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](mailto:service@acs.org), 800-333-9511 or 614-447-3671 today and let us know how we can help.

### 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](mailto:Walter_Roy@mccormick.com), 410-771-7886) or **Alvin Kennedy** ([alvin.kennedy@gmail.com](mailto: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](mailto:mdchem@mdchem.org).



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