

## Anne Wallin to Address October CSW Monthly Dinner Meeting

Dr. Anne Wallin, Director of Sustainable Chemistry for Dow Chemical Company, will address the CSW meeting following the monthly dinner at Front Page Restaurant in Arlington on Wednesday, October 14. Details of the dinner meeting are on page 2. The October CSW meeting is in conjunction with the local section of the American Institute of Chemical Engineers (AIChE).

In the critical role of Director of Sustainable Chemistry for Dow, Dr. Wallin leads the 2015 Sustainable Chemistry Goal project team which is integrating Sustainable Chemistry across all disciplines, functions, and businesses in Dow. She also leads the company's Life Cycle Assessment Expert Group. Sustainable Chemistry is a corporate critical program which will guide and inform Dow's portfolio and investment decisions over the

coming decade.

Dr. Wallin began her career at Dow in Research and Development as a process chemist in the Agricultural Chemicals department. After several years, she moved to Environment, Health and Safety where she held a variety of roles in both research and development and manufacturing. Dr. Wallin joined Dow Public Affairs in 1999, becoming the issue leader for Dow's chlor-vinyl businesses and leading a leveraged global network and representing Dow in several major trade associations.

Anne is a native of Wyoming and holds a bachelor's degree in chemistry from Carleton College. She received a Ph.D. in organic chemistry from the University of Illinois at Urbana-Champaign and was a post-doctoral fellow at G.D. Searle. She is a member of the External Advisory Boards for



the Graham Environmental Sustainability Institute and the Center for Sustainable Systems at the University of Michigan. Dr. Wallin is also a member of the California Green Ribbon Science Panel. She is a co-author of several publications and patents.

## CSW Members Named as National Award Winners, ACS Fellows

The 2010 ACS Award in Applied Polymer Science was given to Dr. Andrew J. Lovinger of the National Science Foundation. Dr. Lovinger obtained BS, MS and doctoral degrees from Columbia University, and was employed at Bell Laboratories for 18 years prior to his appointment as Senior Staff Scientist and Program Director, Division of Materials Research, in 1995. His many other awards include election to the National Academy of Engineering in 2004.

The 2010 Award for Volunteer Service to the American Chemical Society was given to Dr. Margaret A. Cavanaugh, NSF Deputy Assistant Director for Geosciences. Prior to joining the staff at NSF, Dr.

Cavanaugh was Professor of Chemistry and Chairman of the chemistry department at Saint Mary's College in Notre Dame, IN, where she spent a total of 14 years. She received her undergraduate degree from the University of Pittsburgh and her Ph.D. degree from Catholic University of America. Dr. Cavanaugh was the first recipient of the ACS Award for Encouraging Women in Science in 1995.

The ACS Fellows Program was created by the Board of Directors in December 2008 "to recognize members of the American Chemical Society for outstanding achievements in and contributions to Science, the Profession, and the Society." Unlike

ACS national awards, the distinguished honor of a Fellows designation will go to those who have distinguished themselves in multiple areas, including promoting the science, the profession, and service to the American Chemical Society.

A roster of the 162 inaugural ACS Fellows was published in the July 27, 2009 issue of *Chemical & Engineering News*. Included in the inaugural roster were the following CSW members:

Ted Becker, National Institutes of Health (Emeritus).

Michael P. Doyle and Catherine Fenselau, Department of Chemistry, University of Maryland.

Elizabeth K. Weisburger, Retired.  
Jay Alfred Young, Retired.

# The Capital Chemist™



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#### 2009 Officers

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## THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS: *1089th Dinner Meeting*

Wednesday, October 14th  
The Front Page Restaurant  
4201 Wilson Boulevard  
Arlington, VA  
[www.frontpagearlington.com](http://www.frontpagearlington.com)

6:00 pm SOCIAL HOUR  
7:00 pm DINNER  
\$30.00 Members & guests  
\$15.00 Students

**Menu includes:** Choice of Entrée: Fettuccini Alfredo; grilled chicken breast with homemade basil pesto; or flat iron steak with mashed potatoes; includes salad, and non-alcoholic beverages. (Alcoholic beverages can be purchased separately.)

**8:00 pm: SPEAKER: Dr. Anne Wallin, Director of Sustainable Chemistry for Dow Chemical Company. Title: "A Catalyst for Change: Dow's Approach to Sustainability."**

Make reservations by **Friday 12:00 noon, October 9, 2009**, to the CSW office: [csw@acs.org](mailto:csw@acs.org) or 202-659-2650. Please designate the names in your party. The public is invited to attend. You may attend the talk only, but reservations are appreciated. **Those who make a reservation but are unable to attend should send a check for the cost of their meal to the CSW office.**

**Directions:** There is no free parking and street parking is minimal, so Metro is encouraged.

**METRO:** Ballston Metro stop on the ORANGE line. The Front Page is located in the Ballston Metro stop without going outside. Ask station manager for directions.

**From Maryland (North):** Capital Beltway to I-66 East, take Exit 71 (Glebe Road exit) which becomes Fairfax Drive, turn right from Fairfax onto Stuart Street, and then left onto 9th Street. (Stuart Street runs beside The Front Page between Fairfax and Wilson. Colonial Parking is behind NSF on 9th Street.)

**From DC:** I-66 West: (HOV-2 during rush hours) take Exit 71 (Glebe Road exit) which becomes Fairfax Drive, or alternatively, use Route 29 to Glebe Road, to Fairfax Drive, turn right from Fairfax onto Stuart Street, and then left onto 9th Street.

**From Virginia (South):** I-66 East, take Exit 71 (Glebe Road exit) which becomes Fairfax Drive, turn right from Fairfax onto Stuart Street, and then left onto 9th Street.

**PARKING:** Parking is available off 9th Street, behind the NSF building in the Colonial Parking for \$2.00 or at Ballston Mall or Ballston Commons Complex.

**Abstract:** The Elements of Sustainability The Dow Chemical Company, more than 100 years in the making, has deep roots in sustainability and is using sustainability as the basis for one of the company's most significant transformations in more than 50 years. Evidence of Dow's commitment to sustainability is found in the company's goal-oriented approach, starting in the 1990s with its aggressive Goals for 2005 which resulted in a reduction in solid waste by 1.6 billion pounds (enough to fill 415 athletic fields one meter deep) and waste water by 183 billion pounds (equal to water usage for 170,000 U.S. homes for one year), a saving of 900 trillion BTUs of energy (enough to power 8 million U.S. homes for one year) and savings of \$5 billion on an investment of \$1 billion in technology and processes. Its current 2015 Sustainability Goals focus on delivering solutions, reducing its footprint and demonstrating its citizenship. Paramount to the success of this transformation is integration into business strategies and processes; collaboration with customers, academics, non-governmental and inter-governmental organizations, and other partners.

# Election 2009 - Participate in CSW Elections

## *CSW Candidate Statements*

FOR PRESIDENT-ELECT (vote for 1):

### **Michael P. Doyle**

Thanks to the energy and insights of Carol Henry, the Chemical Society of Washington has remained on track as the local section of the home base of the American Chemical Society. Through her insistence and the arm-twisting of others in the Section, I am pleased to be a candidate for the office of President-Elect of the Chemical Society of Washington. The year of the office as President (2011) coincides with the Year of Chemistry, during which the CSW will be host to the MARM Meeting. My priorities are to lead the CSW to higher visibility and cohesion during this time, to unite academic, government, and industry members, to interest the next generation of members and leaders, and to learn from our retired members. There are patterns that the CSW has followed that may be suitable for change, and I hope that you will join me in this effort.

FOR SECRETARY (vote for 1)

### **Jason E. Schaff**

Dr. Schaff is employed as a forensic chemist with the FBI Laboratory in Quantico, Virginia. There, he conducts examinations on evidence submitted for toxicological analysis in a variety of cases, and works to expand and improve the arsenal of methods available for these investigations.

I have been honored to serve CSW as Secretary for the past four years, and hope that I have been able to make a difference in the Society. I take particular pride in my work on the organizing committees for the 2006 "Forensic Chemistry in Action" and the 2008 "Chemical Toxicology in Action" symposia, both of which provided outreach to underserved communities. My work on the host committee for the Fall ACS meeting is also a source of considerable professional satisfaction. I hope that you will see fit to give me the chance to continue my service with CSW in the upcoming year.

CANDIDATES FOR COUNCILOR

### **Robert Paul Barron**

I have had the privilege of serving as a CSW Councilor for two successive terms and ask for your vote for my re-election to another term in order to continue to represent your interests and concerns at the

national level. During my most recent term, ACS has experienced tumultuous times in the financial area and member benefits and retention. My past service will equip me well to continue to contribute to the future governance functions of the Society. I have voted to limit member dues increases, control meeting registration fees, and supported efforts to improve meeting programs and services available to members. Your support is appreciated.

### **Elise Ann Brown**

I am asking for your vote so that I can continue to represent CSW at the national meetings. I have been one of your representatives for more than 20 years and have thus been able to navigate some of the byways of our society. Currently, I serve on the Nomenclature committee, not glitzy, but essential work for regularizing the new facets of "nano" compound nomenclature among other subjects. Thank you for considering my request.

### **Steven Carlo**

Dr Steven Carlo was trained as a surface chemist at the University of Iowa and post doc'd at The Johns Hopkins University with Howard Fairbrother. He now finds himself unable to assign a label and has spent the last 10 years in various technical and leadership roles in defense, industrial R&D, and consulting. He has authored over 15 papers, has one granted patent, has served on thesis committees and presented at numerous schools and universities. Steve lives in Prince George's County, with his wife, son and daughter.

I am a member of the ACS Industry Member Programs Small Business Advisory Panel, Royal Society of Chemistry and the Society of Applied Spectroscopy. I chaired two symposia at MARM 2008 and chaired "Practical Applications of Surface Chemistry" symposium at the Fall ACS meeting. These activities have convinced me that I can positively influence ACS at the local and national levels.

### **John M. Malin**

Chemical Society of Washington must be represented by Councilors who are active in CSW and in the chemical community. In recent years I have served CSW as President, Secretary, Treasurer, and as an elected member of the CSW Board of Managers. Currently I am Chair of IUPAC's (*Continued, page 4*)

## Election 2009 - Participate in CSW Elections

### *CSW Candidate Statements*

#### **John Malin statement, continued from page 3:**

Management Committee for the International Year of Chemistry 2011. Professionally, I taught chemistry for nine years at Universities in the U.S. and in Brazil, then worked as an administrator at NSF and the ACS.

CSW Councilors must be knowledgeable about ACS and its operations. Before retiring after some 25 years at ACS, I worked with several ACS Board and Joint Board-Council Committees including Grants and Awards, Science and International Activities. I believe that CSW and ACS need to reach out proactively to all our membership, particularly the younger members, and I will work to make this happen.

#### **Kim M. Morehouse**

I am currently a CSW Councilor. Past CSW positions held include: Manager 1992-1998, Treasurer 1999-2001 and 2004-2005, President-elect in 2002 and President in 2003. I chair the Budget Committee, and am a member of the Programs Committee and Publications Committee. I have been the local section coordinator for National Chemistry Week since 2003 and for Chemists Celebrate Earth Day since 2005. These programs help to promote chemistry as a positive aspect of our society to grade, middle, and high school students. As a Councilor, I am a member of the ACS Committee on Community Activities. I am

employed as a research chemist with the FDA's Center for Food Safety and Applied Nutrition. If re-elected, I will continue to work with the Board of Managers and the other officers of CSW to ensure that the section provides the greatest benefit to its members within the constraints of a sound fiscal policy.

#### **John M. Ruth**

Before the ACS presidency of Alan Nixon, few ACS members had any real part in the Society's governance. Since then, ACS politics has been characterized by division into two factions, the pre-Nixon "Establishment" and the newer grassroots movement working for the interests of the general membership. My own service on the Council has always been oriented toward the members' interests. My years on the Committee on Economic Status of Chemists led me into additional years with the ACS Division of Professional Relations, and into many ACS petition campaigns. Recently, the Committee on Nominations and Elections, seeking to enlarge its own power, has been trying to eliminate the process of nomination by petition of the members, but encountered some resistance at the Washington meeting. I support a petition candidate this fall, and if elected to the Council I will continue to work for the democratic process..

### **CSW Election BALLOT**

#### **President-elect (vote for 1)**

\_\_\_\_\_ Michael P. Doyle

#### **Secretary (vote for 1)**

\_\_\_\_\_ Jason E. Schaff

#### **Councilor (vote for up to 3)**

\_\_\_\_\_ Kim Morehouse  
\_\_\_\_\_ Robert Paul Barron  
\_\_\_\_\_ Elise Ann Brown  
\_\_\_\_\_ Steven Carlo  
\_\_\_\_\_ John M. Malin  
\_\_\_\_\_ John M. Ruth

### **Candidates for 2010**

#### **Manager (vote for up to 6)**

\_\_\_\_\_ Zory R. Glaser  
\_\_\_\_\_ Catherine Fenselau  
\_\_\_\_\_ Joshua Goldberg  
\_\_\_\_\_ Eshwar Jagerdeo  
\_\_\_\_\_ J. Faye Rubinson  
\_\_\_\_\_ Robert Wiacek  
\_\_\_\_\_ Wayne R. Wolf  
\_\_\_\_\_ Jennifer Young

- ♦ Cut out this grey box, or, if you wish to preserve the original, use a copy of the ballot for voting.
- ♦ Election ballots must be **received** by CSW by MONDAY, NOVEMBER 16, 2009
- ♦ Please see complete voting instructions, page 5

# Election 2009 - Participate in CSW Elections

## CSW Candidate Statements

### CANDIDATES FOR MANAGER

#### Catherine Fenselau

As a current Manager, I have led the Hillebrand Prize committee in establishing a streamlined electronic nomination process. If reelected as a Manager I will continue to support CSW's work on behalf of chemical education and green chemistry, and continue to seek to meet the professional needs of CSW members.

#### Zory R. Glaser

Zory R. Glaser, PhD, MPH, CSPDM. President CSW ('04); Editor ('03-'06) Capital Chemist; Manager (since '94), served on most CSW committees. Presently: Consultant, Teacher (JHU); Retired FDA; served (PHS commissioned officer) with NIOSH, BRH, CDRH, and USP. Earlier: 18+ years U.S. Navy. Goal: to continue my service to CSW/ACS.

#### Joshua Goldberg

I respectfully request your consideration for the office of Manager of the Chemical Society of Washington. I would like the opportunity to continue

In this role and to build on my present activities, including serving as chair of the Hospitality Committee for this year's annual ACS Meeting held in Washington.

#### Eshwar Jagerdeo

Eshwar Jagerdeo is a Research Chemist with the FBI laboratory, specializing in implementing, and upgrading emerging analytical instrumentation. Also, he is developing and validating new methodology for drugs of abuse. He has held other government and industry positions with over twenty years of experience in the field of analytical chemistry.

#### J. Faye Rubinson

I am pleased to run for election as a Manager of the Chemical Society of Washington. My experiences in the Dayton Section (Secretary, Chair-elect, Chair) and Cincinnati Section (Second Vice-Chair/Long-term Planning Chair) have provided me with ample evidence of the importance of action at the local chapter level.

#### Robert Wiacek

After participating with the Hosting Committee for the ACS National Meeting, I would welcome the opportunity to continue contributing to CSW as a member of the Board of Managers. An alumnus of UCLA and The University of Texas at Austin, I am currently a staff scientist at Pixelligent Technologies.

#### Wayne R. Wolf

Serving a first term as CSW Manager and member of the Publications Committee, has given me a much better insight to the issues facing CSW. PhD in Chemistry and over 3 decades of analytical methods development for food components with the USDA; MS in Technology Management, UMUC 1998.

#### Jennifer Young

I have a PhD in chemistry and currently work at the ACS Green Chemistry Institute® because of my passion for green chemistry. Over the past year, I have become more involved in CSW. I would like to bring new ideas from a younger chemist's perspective to CSW in 2010.

### VOTING INSTRUCTIONS

- ◆ Please read carefully: election ballots must be **received** by CSW by MONDAY, NOVEMBER 16, 2009
- ◆ All CSW members in good standing on October 1, 2009 are eligible, and are encouraged to vote.
- ◆ Cut out the ballot; or, if you wish to preserve the original, use a copy of the ballot for voting.
- ◆ Cast your ballot by placing an "X" in the box beside the name of each of your chosen candidates, up to the number indicated on the ballot.
- ◆ Fold the ballot, and place the ballot inside a mailing envelope. Do not put your name on the ballot.
- ◆ Print and sign your name on the outside of the mailing envelope. Place appropriate postage on the envelope.
- ◆ Address the envelope to:

*Chemical Society of Washington  
1155 Sixteenth Street, NW, Othmer 218  
Washington, DC 20036  
Attn: CSW Tellers Committee*

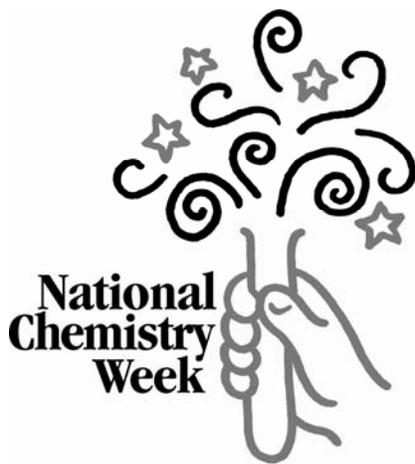


# Celebrate National Chemistry Week, October 2009

## This year's theme is "Chemistry—It's Elemental!"

The elements are important parts of everyday life and are the basis of the entire universe and of life on Earth. They compose the graphite in pencils, the tungsten in light bulbs, neon lights, copper for cooling applications, the sodium in table salt—the list literally never ends! 2009 is the 140th anniversary of Mendeleev's Periodic Table of the Elements, and is a wonderful opportunity to investigate and appreciate the discovery and use of the elements in every aspect of our lives.

Each year the ACS National Chemistry Week (NCW) campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. It is the one time during the year that chemists, regardless of background, unite with the common goal of spreading the word that



chemistry is good for our economy, our health, and our well-being.

CSW, along with the ACS Office of Community Activities, is planning several NCW events. Volunteers are needed for these outreach activities.

ACS will host a chemistry recognition day at Ballou High School, 3401 4th Street SE on Tuesday, October 20, 9:30 am--3:00 pm. CSW members are encouraged to join ACS at this event by volunteering to assist with the hands-on activity tables. To volunteer, email [ncw@acs.org](mailto:ncw@acs.org). For more information call La'Trease Garrison at 202-872-6150.

CSW in cooperation with the National Children's Museum will once again be participating in the Crystal City Spectacular in conjunction with the Marine Corp Marathon, Sunday, October 25, 2009. If you would like to volunteer to assist with this event, please contact the CSW NCW Coordinator Kim Morehouse (see below).

### Support ACS High School Chemistry Clubs

Willing to grow your outreach to area high schools? Consider supporting your local ACS High School Chemistry Clubs, which provide opportunities for students to cultivate their interest in chemistry beyond the classroom. There are over 200 clubs across the U.S. and Puerto Rico. The ACS Education Division provides organizational support for these clubs such as start-up handbooks and ideas for activities throughout the year. To find the ACS High School Chemistry Clubs in your area check out the ChemClub Directory at [www.acs.org/chemclub](http://www.acs.org/chemclub).

How can you and your Local Section support your area High School Chemistry Clubs? Following are just some ideas:

- Provide the information about the ACS High School Chemistry Club program to a high school teacher in your area and encourage them to sponsor a ChemClub
- Invite your local High School Chemistry Club sponsors and students to participate in National Chemistry Week or Chemists Celebrate Earth Day activities.
- Invite your local High School Chemistry Club to attend a Speaker Service program, Science Café, or Meeting.
- Organize a symposium about the diversity of careers in chemistry
- Plan and co-sponsor a community outreach event
- Provide small grants for High School Chemistry Clubs in your area.
- Apply for an Innovative Project Grant to provide an activity for a High School Chemistry Club.

To find out more about the out about the ACS High School Chemistry Club program visit our website at [www.acs.org/chemclub](http://www.acs.org/chemclub) or contact us at [hschemclubs@acs.org](mailto:hschemclubs@acs.org).

Other ways that you can contribute to the NCW campaign are: performing chemical demonstrations at a neighborhood school; conducting hands-on activities with children at museums, malls, or libraries; or writing articles or letters to the editor of your local paper. If you would like to lead an activity at your local school or library, CSW will provide some grade specific materials to hand out to the students, as well as some simple demonstrations that you can use.

As part of the NCW 2009 celebration, CSW will be sponsoring a local NCW poster contest. All entries must be received by the local NCW coordinator no later than Monday, October 26, 2009. Entries should be mailed to the NCW Coordinator at the CSW office. Winning entries from each grade category will be forwarded to the ACS for the national competition. Additional information on the poster contest, as well as NCW, is available on the ACS web site ([www.acs.org/ncw](http://www.acs.org/ncw)).

More information about local activities will be posted the CSW web site ([www.csw-ac.org](http://www.csw-ac.org)) as they become available. For further information, or to volunteer, contact the CSW NCW coordinator, Kim M. Morehouse via e-mail at [Kim.Morehouse@FDA.HHS.GOV](mailto:Kim.Morehouse@FDA.HHS.GOV), or by phone at 301-436-1889 (day) or 301-384-7311 (evening).

## CSW News and Notes from the 2009 ACS National Meeting

### *CSW Hosts an Enthusiastic WCC Reception*

CSW partnered with the ACS Women Chemists Committee to sponsor an Open Session and Local Section Reception on the eve of the ACS National Meeting. The well-attended meeting opened with remarks from the ACS-WCC 2009 Chair, Dawn Brooks, and CSW President, Carol Henry. There followed a panel discussion with four women scientific leaders in the national security field, a formal Q-and-A session, and several spirited one-on-one discussions.

Each panelist recounted how her chemical training and varied scientific experiences led to her current leadership position in a government agency such as Homeland Security or State Department. The panelists were informative exemplars of the challenges and rewards of careers in chemistry. Their common wisdom, summed up by one panelist, was: "Do your best at whatever you are doing, but always be open to change". The message was enthusiastically applauded by an audience, comprised of a gratifyingly large number of younger members.

The distinguished panelists were Drs. Janet Bryant, Department of Energy, Pacific Northwest National Laboratory; Jessica Petrillo, State Department, Bureau of International Security and Nonproliferation; Alexis Jeannotte, Department of Homeland Security; Carole LeBlanc, Department of Defense, Office of the Deputy Under-Secretary.

### **Undergraduate Students Can Now Participate in Local Sections**

Effective June 2009, all ACS Student Affiliates are now Student Members. Last fall, the ACS membership voted to change the Society bylaws to grant all undergraduates the rights of full membership as Student Members, including membership in ACS Local Sections. For further details regarding the membership categories changes, please refer to the June 15, 2009 article in Chemical & Engineering News.

ACS is now actively recruiting undergraduates to become members of the ACS. **Undergrad.ACS.org** is the primary recruitment tool staff members have developed for this audience. Mentors should refer students to this web site if they are interested in joining ACS. The site describes all of the benefits of ACS membership geared specifically for undergraduates. We hope that by bringing in new undergraduate student members, ACS Local Sections will benefit from an increase in participation and contributions from the next generation of chemical scientists.

Don't forget, every new student member you recruit also applies toward your local section commission claim and the 2009 ACS President's Challenge. *(Continued, page 10)*



**The CSW Hospitality booth was a valuable source of National Meeting information for many attendees.**

### *Elements of Excellence: ACS Volunteers Recognized at ChemLuminary Awards Event*

The 11th Annual ChemLuminary Awards celebration was held in conjunction with the ACS National Meeting in Washington, DC, on August 18, at the Capital Hilton Hotel. Approximately 400 chemists came together to recognize 105 local sections, eight regional meetings, and five divisions, that received accolades for their tireless efforts and work in promoting chemistry and the chemical sciences in local areas.

The night's celebration started with a social hour and poster session where all award finalists displayed materials from their events. ACS President Tom Lane opened the event with welcoming remarks and the presentation of 44 awards that included the ACS Volunteer Service Award to Sr. Mary Virginia Orna of the College of New Rochelle (NY), and the Helen M. Free Award for Public Outreach to David A. Katz of Pima (AZ) Community College. A celebration of dancing followed until midnight.

A complete video of the awards ceremony and list of local sections, divisions, and regional meetings that were honored on August 18 can be found at [www.acs.org/awards](http://www.acs.org/awards) (and then click on ACS Community Recognition).

All Local Section ChemLuminary Award nominations are submitted by self-nomination via Annual Reports. For outstanding events or activities sponsored during 2009, self-nominations must be submitted by February 15, 2010.



**The Green Team:** (L to R) Jennifer Young, Jerraine Johnson and Nicole Payne attended the ACS Green Chemistry Institute® booth at the August 2009 ACS National Meeting in Washington. The booth sold environmentally friendly tote bags; a number are still available and can be obtained by contacting the CSW office ([csw@acs.org](mailto:csw@acs.org)).

### DC Area Chemistry Seminar Schedules

Listed below are chemistry-related seminar schedule web sites from area universities, that were up-to-date as of press time. More will be posted as they become updated. Contact the department to find out about general public admission, directions to campus, and parking. **Viewing the PDF? Just click!**

**Georgetown Chem:** <http://chemistry.georgetown.edu/news/seminars.html>

**GMU Chem:** [http://chemistry.gmu.edu/seminar/seminar\\_fall2009.html](http://chemistry.gmu.edu/seminar/seminar_fall2009.html)

**GWU Biochem:** <http://www.gwumc.edu/biochem/seminars.html>

**GWU Chem:** <http://www.gwu.edu/~gwchem/seminars.cfm>

**Maryland Biotechnology Institute:** <http://www.umbi.org/home.php>

**Maryland Chem:** <http://www.chem.umd.edu/seminars/index.php>

**Maryland Chem Eng:** <http://www.chbe.umd.edu/events/seminars.html>

**Maryland Chemical Physics:**

[http://www.chemicalphysics.umd.edu/10\\_seminars.htm](http://www.chemicalphysics.umd.edu/10_seminars.htm)

### DC Area Chemistry Seminars: Editor's Choice

Check web sites for times and locations.

**Maryland Biotechnology Institute:** Dr. Harvey Lodish, Massachusetts Institute of Technology, Title TBA, October 5.

**Georgetown Chem:** Prof. Richard Schrock, MIT, Title TBA, October 8.

**GWU Chem:** Dr. Daniel Rabinovich, NSF, "New Applications of Sulfur-Donor Ligands in Coordination and Bioinorganic Chemistry," October 9.

**Maryland Chem:** Professor Jerry Meyer, The Johns Hopkins University: "Photodriven Electron Transfer at Nanostructured Molecular-Semiconductor Interfaces," October 22.

## Campaign Regulations for ACS Elections

ACS prohibits any Local Section or its officials from using ACS resources to advocate for or against any candidate, for national or local office. However, it allows *individual members*, whether currently occupying official positions or not, to campaign on their own behalf or on behalf of others. *It must be made clear that the person is acting as an individual member, not an official of the Section.*

To facilitate campaigning, ACS Bylaw V.13.c says: "For the purpose of distributing campaign material, candidates for office shall have the right to use the membership list of those members eligible to vote for that office. All costs associated with preparation and use of distribution lists shall be borne by the candidate." Accordingly, members' names and contact information must be provided to any candidate who requests that information for the purposes of campaigning.

Ballots may be taken from the printed *Capital Chemist* or downloaded from the online version at [www.csw.acs.org](http://www.csw.acs.org). Ballots may not be circulated along with campaign material or endorsements.

All candidates have been notified of these regulations, which are binding on all CSW members.

### CSW Calendar

**November Dinner Meeting**  
Thursday, November 19, 2009  
Far East Restaurant, Rockville

**December Dinner Meeting**  
Thursday, December 10, 2009  
Location TBD

## Special Course for CSW: “Engaging and Motivating Volunteers”

Sign up now! On Saturday, November 7, CSW will be hosting a 4-hour leadership course from the ACS Leadership Development System called “Engaging and Motivating Volunteers”. The course is aimed at giving you practical tools for engaging and motivating volunteers, which you can use both in your professional career as well as in your volunteer activities such as CSW. The workshop is especially targeted toward newly involved members of CSW.

**Date/Time:** November 7, 8:00 am – 12:00 noon

**Location:** ACS Hach Building, 1155 Sixteenth St., NW, Washington, DC (Marvel Hall)

Apply by October 18 to participate for free! FREE for 20 participants selected by CSW (a \$25 deposit will be reimbursed after the course); open for the regular fee to anyone else (\$150 for ACS members, \$300 for non-members).

To apply for free participation: Send an email to [csw@acs.org](mailto:csw@acs.org) by 11:59 pm on October 18, including your contact information, a paragraph explaining why you want to attend the course, and a short description (either ½ - 1 page bio or 1 - 2 page CV or resume) including your technical and

scientific experience and experience/participation in ACS or CSW activities or other volunteer organizations.

**Course description:** One of the greatest challenges facing a volunteer leader is recruiting and engaging volunteers to help accomplish the project and committee goals. Gain tools to enlist volunteers and make their assignments successful and professionally rewarding so they will participate again in future assignments.

**Who should participate:**

- A new graduate about to enter the workforce – you will develop entry-level skills needed to bring real value to early volunteer and job assignments.
- An up and coming leader – you will gain foundational leadership skills to improve your effectiveness as a leader.
- A developing leader with experience – you can build your core leadership tool kit to stretch your knowledge and capabilities.
- A newly involved CSW member!

For more information contact: Jennifer Young ([j\\_young@acs.org](mailto:j_young@acs.org); 202-872-6173)

### ACS Publications from DC Area Research Groups

This feature of *The Capital Chemist* is a compilation of selected publications in ACS journals, appearing recently, from area institutions.

Stuart Licht (2009) “STEP (Solar Thermal Electrochemical Photo) Generation of Energetic Molecules: A Solar Chemical Process to End Anthropogenic Global Warming,” *J. Phys. Chem. C*, **113**, 16283–16292. (Department of Chemistry, Institute of Basic Energy Science and Technology, George Washington University, Washington, DC)

Oyindasola Oyelarant<sup>†</sup>, Lisa M. McShane<sup>‡</sup>, Lori Dodd<sup>‡</sup> and Jeffrey C. Gildersleeve<sup>\*†</sup> (2009) “Profiling Human Serum Antibodies with a Carbohydrate Antigen Microarray,” *J. Proteome Res.*, **8**, 4301–4310. († - Laboratory of Medicinal Chemistry, National Cancer Institute, Frederick, MD and ‡ - Biometric Research Branch, Division of Cancer Treatment and Diagnosis, National Cancer Institute, Rockville, MD)

Jianyong Tang<sup>†</sup>, Ana M. Jofret<sup>†</sup>, Rani B. Kishore<sup>†</sup>, Joseph E. Reiner<sup>‡</sup>, Mark E. Greene<sup>†</sup>, Geoffrey M. Lowmant<sup>†</sup>, John S. Denker<sup>†</sup>, Christina C. Willist<sup>†</sup>, Kristian Helmersont<sup>†</sup>, and Lori S. Goldner<sup>\*†§</sup> (2009) “Generation and Mixing of Subfemtoliter Aqueous Droplets On Demand,” *Anal. Chem.*, Articles ASAP, Publication Date (Web): August 27, 2009. († - Physics Laboratory and ‡ - Electronics and Electrical Engineering Laboratory, NIST, Gaithersburg, MD, and § - Physics Department, University of Massachusetts, Amherst)

George W. Mushrush<sup>\*†‡</sup>, Heather D. Willauer<sup>†</sup>, Joy W. Bauserman<sup>§</sup>, and Frederick W. Williams<sup>†</sup> (2009) “Incompatibility of Fischer-Tropsch Diesel with Petroleum and Soybean Biodiesel Blends,” *Ind. Eng. Chem. Res.*, **48**, 7364–7367. († - Naval Research Laboratory, Washington, DC, ‡ - Chemistry Department, George Mason University, Fairfax, VA, and § - NOVA Research, Alexandria, VA)

### 2010 Vannevar Bush Award Call for Nominations

The Vannevar Bush Award honors truly exceptional lifelong leaders in science and technology who have made substantial contributions to the welfare of the Nation through public service activities in science, technology, and public policy. The Vannevar Bush Award is presented by the National Science Board, the policymaking board of the NSF.

Past recipients of the Vannevar Bush Award include such renowned leaders in science and technology as: Charles Townes, Harold Varmus, Maxine Singer, H. Guyford Stever, Phillip Abelson, Norman Ramsey, Linus Pauling, and James Killian.

Deadline for nominations is November 4, 2009. For nomination instructions, please visit <http://www.nsf.gov/nsb/awards/bush.jsp>. All inquiries about the award or nomination procedures should be directed to Jennifer Richards, NSF ([jrichar@nsf.gov](mailto:jrichar@nsf.gov)).

## Teacher Assistants are Needed

Montgomery County Public Schools seeks scientists, engineers and medical doctors to assist science teachers in elementary and middle schools during the 2009-10 school year as part of its MCPS Science Volunteer Project, a joint project with the American Association for the Advancement of Science. The hours are flexible, and volunteers attend a one day training session before being assigned to schools. Contact Alan Rubin at alanmrubin@gmail.com.

## Undergraduate Students Can Now Participate in Local Sections

*(Continued from page 7)* Just be sure to have the student select your local section as the referral on the online membership application found on [undergrad.ACS.org](http://undergrad.ACS.org).

We encourage you to reach out to this audience of new members and welcome them into your local sections. Additional information can be found at <http://undergrad.ACS.org>. Feel free to send any questions to ACS Membership Marketing by clicking on "Contact Us," which is found at the bottom of every page on the Web site.

## Positions Available and *Capital Chemist* Posting Policies

*The Capital Chemist* and the CSW Publications Committee has adopted the following policy concerning the posting of job positions:

Chemistry positions available in schools, universities and non-profit organizations will be announced on the CSW web page, [www.csw-accs.org](http://www.csw-accs.org). Notice of the positions will be announced in *The Capital Chemist*, but the full postings will only be available online.

Employers at government labs and for-profit companies should contact our advertising agency, MBO Services (see contact information, page 2).

The following positions are currently posted:

- Position for Instructor in Physical Chemistry at McDaniel College, Westminster, MD
- Director of Global Water, Health and Schools; Water Advocates ([www.wateradvocates.org](http://www.wateradvocates.org)), a nonprofit advocacy group in Washington, DC

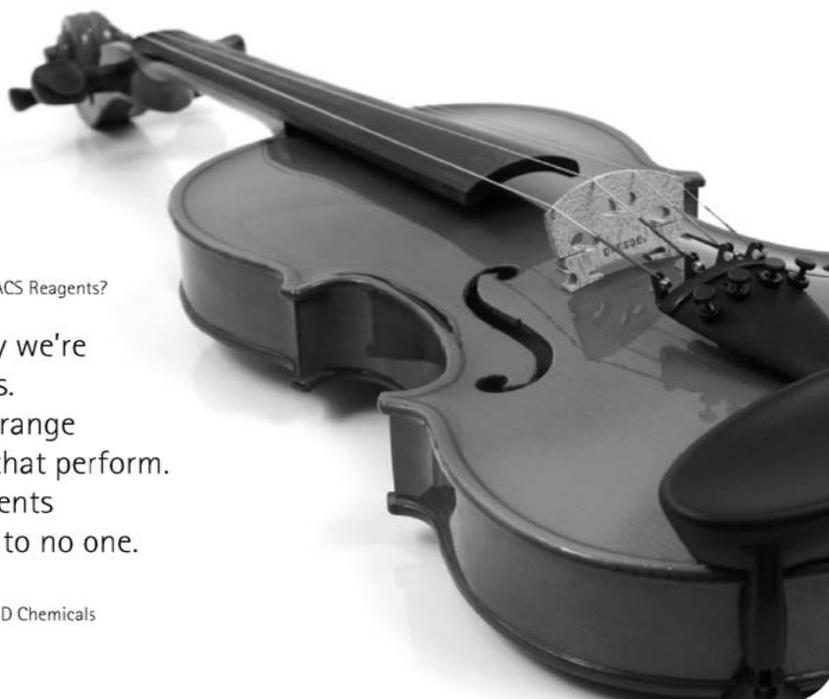
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Please visit [www.ida.org](http://www.ida.org) to learn more about us. To apply, e-mail your resume to <http://jobs-ida.icims.com/jobs/1223/job>, specifying Capital Chemist. In addition to openings for PhDs we also have paid summer internships for rising seniors and grad students. IDA is proud to be an equal opportunity employer.



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## CSW Has Successful 2009 Project SEED in MD, DC and VA

The 2009 CSW Board of Managers financed the 2009 Project SEED program. In 2009 CSW placed nine students in area labs, eight who were paid and one who participated without CSW support (family's income exceeded the SEED program limit).

The names and institutions of the mentors who volunteered to guide these students this summer are:

Dr. Sarah Stoll, Department of Chemistry, Georgetown University. She mentored two SEED students: **Jee In Seo** of Thomas Jefferson HS, VA, and **Raolat Akinbiji** of High Point HS, MD.

Dr. Shiw Wang, Agricultural Research Service, USDA. She supervised **Parth Kathrotiya**, Eleanor Roosevelt HS, MD.

Dr. Mary Trucksess, Center for Food Safety and Applied Nutrition, FDA. She mentored student **You Jong Oh** of Rockville HS, MD, a Summer II student. In addition, Dr. Trucksess accepted a second student: **Darius Kim Quach** of Rockville HS.

Dr. Richard Weiss, Department of Chemistry, Georgetown University. He was mentor to **Mingtouossou Kerim** of Benjamin Banneker Academic HS, DC.

Dr. Lawrence R. Sita, Department of Chemistry and Biochemistry, University of Maryland. He supervised **William Sama** of Northwestern HS, MD.

Dr. Debra Yourick, Associate Science Director, Walter Reed Army Institute of Research, Silver Spring, MD. She was a mentor to **Lawkpezi A.Y. Bagnabana** of High Point HS, MD.

Dr. Changwoo Ahn, Department of Environmental Sciences and Policy, George Mason University. He mentored **John T. Singel, Jr.**, of Bishop O'Connell HS, VA, a Summer II student.

Visit CSW on the web at:  
[www.csw-acs.org](http://www.csw-acs.org)



Project SEED students mug for the camera on The Big Green Chair on the Duke Ellington School grounds near Georgetown University.

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