

## Welcome from CSW President, Dr. Kathryn Hughes

On behalf of the Board of Managers, it is my pleasure and honor to welcome the Chemical Society of Washington (CSW) to 2014. I'm looking forward to supporting the excellent activities of the organization and to working to ensure that the CSW continues to meet the needs of its membership. It has been said before, but CSW is a large—very large according to ACS—section representing a vibrant, diverse chemical community. With over 4,000 members, we have the fifth largest membership of the 187 sections in the country. We also cover a wide range of territory, from the western borders of Loudoun and Fairfax counties in Virginia to the Eastern Shore of Maryland and the northern border of Montgomery and Caroline counties to the southern tip of St. Mary's county. Being this large affords us opportunities with regards to resources and a diversity of membership, but it also can make it challenging to play a useful role in all of those areas. The CSW Board of Managers needs to hear from you about the resources, activities, and programs you feel would strengthen chemistry in your area. Please take a moment to join us on Facebook (<http://www.facebook.com/ACSCSW>), send us an e-mail ([csw@acs.org](mailto:csw@acs.org)), write us a letter (O-218, 1155 16<sup>th</sup> St, NW, Washington, DC 20036), or attend one of our events (<http://csw.sites.acs.org>) and share your thoughts and ideas.



As you know, CSW has undergone changes in recent years while staying true to its core value of supporting our membership, and those changes are having a positive impact. Taking greater advantage of electronic communication has

*...Cont. on page 6*

## Dr. Richard Denison, Environmental Defense Fund, to Discuss "Chemistry's Impending Brush with the Law" at January CSW Meeting

On January 15, CSW will host its monthly meeting. The featured speaker will be Dr. Richard Denison, Environmental Defense Fund (EDF), who will give a talk on "Chemistry's Impending Brush with the Law: Long-Awaited Reform of the Toxic Substances Control Act." Additional meeting information can be found on page 2.

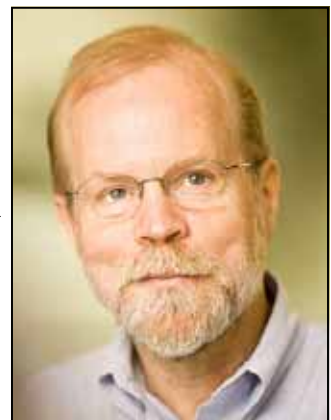
Dr. Richard A. Denison has 29 years of experience in the environmental arena, specializing in policy, hazard and risk assessment, and management for industrial chemicals and nanomaterials. He is currently a Senior Scientist at the Environmental Defense Fund.

Dr. Denison is a member of the National Academy of Sciences' (NAS) Standing Committee on Emerging Science for Environmental Health Decisions. Until recently, he was on the NAS Board on Environmental Studies and Toxicology. He also served on the Green

Ribbon Science Panel for California's Green Chemistry Initiative.

Dr. Denison has testified before various Congressional committees on the need for fundamental reform of US policy toward industrial chemicals and on nanomaterial safety research needs. He was a member of the National Academy of Sciences' Committee "A Research Strategy for Environmental, Health and Safety Aspects of Engineered Nanomaterials." He was a member of EDF's team that worked jointly with the DuPont Corporation to develop a framework governing responsible development, production, use and disposal of nanoscale materials.

Dr. Denison is a frequent contributor to EDF Health's blog (<http://blogs.edf.org/health>), where he posts both commentary and detailed analyses of the emerging science and policies affecting chemicals and nanomaterials in the U.S. and internationally.



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# The Capital Chemist™



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### **Editor, Business Manager**

Jessica L. Rasmussen  
Voice: 202-659-2650  
Email: csw@acs.org

### **Publisher**

Chemical Society of Washington

### **Business Staff**

Zory R. Glaser, Chair  
CSW Publications Committee  
202-659-2650

### **Advertising Manager**

MBO Services  
PO Box 1150, Marshfield, MA 02050-1150  
781-837-0424 voice  
www.mboservices.net

### **CSW Correspondence**

Kristy A. Martin, Administrator  
CSW, 1155 16th Street, NW, O-218  
Washington, DC 20036  
202-659-2650 voice  
email: csw@acs.org

### **http://csw.sites.acs.org**

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## **THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS: 1124th Evening Meeting**

January 15, 2013  
ACS Hach Building  
(ACS Headquarters)  
1155 16th Street, NW  
Washington, DC

### **Agenda**

6:00 p.m.: Check in, Social Hour  
7:00 p.m.: Dinner  
8:00 p.m.: Featured Speaker, Dr. Richard Denison, Environmental Defense Fund

**Cost** \$25.00 Members & guests, \$12 Students

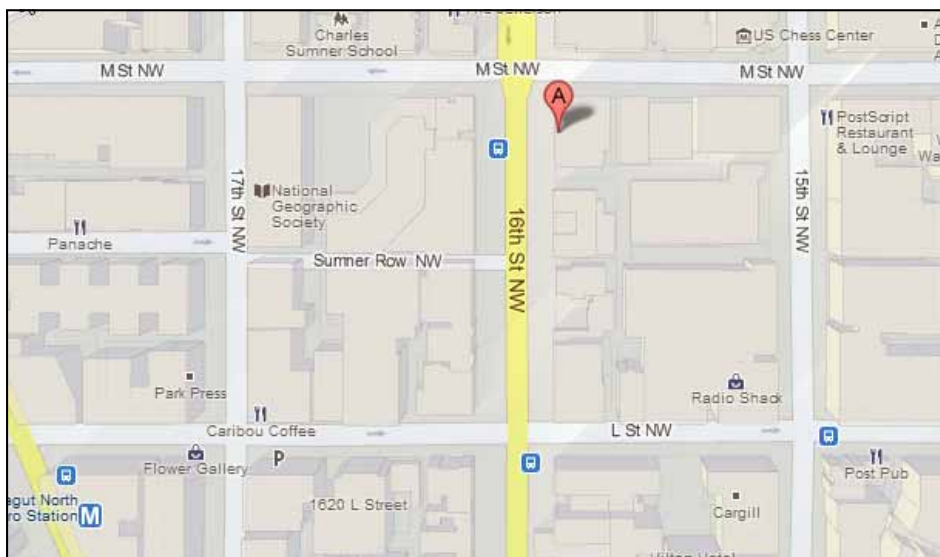
**Menu:** Catering will be provided by Lebanese Taverna and will feature hommus, grape leaves, fatayer with spinach, fatayer with cheese, kibbeh, fresh fruit, cous-cous pilaf, house salad, and a choice of chicken or beef shawarma.

**Reservations:** Make reservations by **Monday, January 13, 2014, 12:00 noon**, either online at [http://jan2014\\_csw.splshthat.com](http://jan2014_csw.splshthat.com) or to the CSW office directly at [csw@acs.org](mailto:csw@acs.org) or 202-659-2650. Please designate the names in your party and your choice of shawarma (beef or chicken). 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:** The ACS Hach Building is located at the corner of M & 16th Streets in Northwest Washington, four blocks north of the White House. Please note that 16th Street is two-way, and M Street is one-way westbound.

**Parking:** Parking is available in nearby commercial parking garages. Please be aware that garage closing times vary. Parking is also available on the street after 6:30 pm, but be aware that most parking meters are in effect until 10:00 pm and may be limited to 2 hours. **You should check the individual meters for details and payment methods as some are no longer coin-operated.**

**Metro:** Blue/Orange Line: McPherson Square or Farragut West. Red Line: Farragut North.



## APPLY NOW: U.S. National Chemistry Olympiad (USNCO) High School Chemistry Mentor Needed Sponsored by the American Chemical Society (ACS)

The USNCO seeks a High School Chemistry Mentor. Some of the duties and responsibilities associated with this position are:

- preparing students for the International Chemistry Olympiad (IChO) competition,
- helping to conduct a two-week study camp for the nation's brightest twenty chemistry high school students at the United States Air Force Academy in Colorado in June of 2015, 2016 and 2017,
- developing practice problems, theoretical and practical tests for the study camp, and
- accompanying the U.S. team at the IChO in July of 2016 and 2017.

Most students at the study camp have

completed Advanced Placement Chemistry or the equivalent; therefore instruction at the camp is well beyond the level of high school general chemistry courses. The curriculum also includes considerable laboratory work.

Successful applicants are expected to have background in one or more of the areas of organic, inorganic, analytical, physical, or biochemistry with classroom experience and should demonstrate involvement with students in special projects or activities. Applicants must be prepared to make a three-year term commitment. ACS pays an honorarium and most expenses associated with the study camp and the IChO.

Interested individuals may obtain an application and additional information at [www.acs.org/olympiad](http://www.acs.org/olympiad) or

contact Margaret Thatcher, Program Administrator, at [USNCO@acs.org](mailto:USNCO@acs.org) or 202-872-6328. **The deadline to submit an application is January 24, 2014.** Applicants must arrange to send three letters of recommendation directly to Cecilia Hernandez, Assistant Director, Endowed Programs, Education Division, at [c\\_hernandez@acs.org](mailto:c_hernandez@acs.org) by February 7, 2014.

**The Retired Chemists Group** offers a social program of luncheons and outings available to all. [csw.sites.acs.org/rcg.htm](http://csw.sites.acs.org/rcg.htm)

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## Speaker Abstract, "Chemistry's Impending Brush with the Law: Long-Awaited Reform of the Toxic Substances Control Act"

The core provisions of the Toxic Substances Control Act of 1976 (TSCA), the main federal law governing the safety of chemicals, have not been touched since its passage nearly four decades ago. Since then, chemical production has expanded nearly 25-fold, a rate of growth that is projected to continue if not accelerate. The diversity of chemical use has expanded equally dramatically, with synthetic chemicals used to produce or as ingredients in 96% of all materials and products in use today. Meanwhile, our understanding of the nature and extent of exposures to chemicals, especially arising from use of consumer products, has changed in profound ways, and emerging science is increasingly linking certain chemical exposures to serious human diseases and disorders that are on the rise in the population. Recent advances in cell and molecular biology also open up new opportunities—and challenges—for furthering our understanding of how chemicals are interacting with our biology. In this talk, I will discuss these trends and developments and their implications for the reform of a law that virtually all parties now agree is in dire need of a major upgrade. I will also highlight the state of play in the debate over TSCA reform legislation now underway in the Congress.

**Do you have story ideas for the  
*Capital Chemist*?**

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**January 30:** From Provisional Patents to Extending the Life of Your Patents  
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**February 13:** Pheromones are in the Air: Friends, Lovers, or Foes  
<http://acswebinars.org/pheromones>

**February 20:** Tragic Chemical Accidents: Tales, Investigations, and Lessons Learned  
<http://acswebinars.org/chemical-accidents>



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## 2013 CSW Student Travel Award Application Process

The Chemical Society of Washington is pleased to announce a travel award to defray travel and/or registration costs to a National ACS meeting. Eligible expenses include meeting registration and travel expenses, such as airfare and lodging. Applicants should submit the following to CSW (email: [csw@acs.org](mailto:csw@acs.org)) by January 17, 2014:

1. A cover letter stating how and why attending this ACS meeting will promote the applicant's career;
2. The applicant's CV;
3. A letter of recommendation from the student's mentor explaining why the student deserves the award and how this will help the applicant's professional development;
4. An accepted abstract with proof of acceptance.

Within three weeks of returning from the ACS meeting, the awardees should submit receipts to the Treasurer for any or all of the eligible expenses described above, after which the Treasurer of the Chemical Society of Washington will issue a check to each of the awardees. After returning from the conference, awardees will be asked to present their posters at one of the upcoming CSW dinner meetings.

The award is not intended for post-doctoral fellows. There will be a maximum of 4 awards available for each National meeting. Each award will be for \$500 and award of this stipend will be based on the review of the above materials. The award is open to students who are graduate students in the jurisdiction of the Chemical Society of Washington.

### 2013 CSW Student Travel Award Winners

The CSW awarded four awards of \$500 each for the spring National ACS meeting in New Orleans. The award winners were:

- Gail Clements (The George Washington University)
- Kelli Sikorski (University of Maryland)
- Romina Heymann (University of Maryland)
- Zhenlei Xiao (University of Maryland).

Four additional awards of \$500 each were presented for the fall National ACS meeting in Indianapolis. The award winners were:

- Lauren Graham (University of Maryland)
- Soumya Rastogi (University of Maryland)
- Zi Teng (University of Maryland)
- Jie Zhou (University of Maryland)



### Project SEED News

*Contributed by Ajay Mallia, Project SEED Chair*

#### Deadlines for Project SEED 2014: Mentors and Students

The deadline for Project SEED mentors to send their research proposals is January 30, 2014. If you are interested in mentoring a Project SEED student, please contact the CSW Project SEED chair, Dr. Ajay Mallia at [vajaymallia@gmail.com](mailto:vajaymallia@gmail.com). High school teachers and counselors can submit applications for potential Project SEED candidates for 2014 to the Project SEED chair. In order to be eligible to participate in Project SEED, students need to have completed a year of chemistry class by June 2014, and be able to prove economic disadvantage. For information on Project SEED and student eligibility, please contact the CSW Project SEED committee or visit the Project SEED website at [www.acs.org/projectseed](http://www.acs.org/projectseed). Alternatively, you may also contact the ACS Project SEED office at [projectseed@acs.org](mailto:projectseed@acs.org) or 202-833-7732.

#### Project SEED Needs Your Support!

Project SEED cannot operate without the help from individuals and companies that support the Scientists-in-training. Are you interested in supporting Project SEED? Last year we unfortunately turned away many applicants because of lack of funding. CSW has established the Noel Turner Memorial Fund to help support Project SEED. Your donation will be used for student stipends (\$2500 for the SEED-1 and \$3000 for the SEED-2 program). Your contribution is fully tax deductible. For more information, Ajay Mallia, Project SEED Chair, can be reached by email at [vajaymallia@gmail.com](mailto:vajaymallia@gmail.com), or you may contact CSW at [csw@acs.org](mailto:csw@acs.org), or by phone at 202-659-2650.



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Email [csw@acs.org](mailto:csw@acs.org) about upcoming opportunities today!



## CSW Election Results: Your 2014 Officers, Councilors, and Managers

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**President:** Kathryn Hughes

**President-elect:** Alan Anderson

**Immediate Past President:**  
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**Secretary:** Jennifer Young Tanir

**Treasurer:** Stefanie Wittenberg

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John Malin

Jason Schaff

#### 2014 - 2015

Elise Ann Brown

Michael Doyle

Kim Morehouse

#### 2013 - 2014

Regina Cody

Robert Wiacek

Jennifer Young Tanir

### ALTERNATE COUNCILORS

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Richard Jordan

N. Bhushan Mandava

#### 2014 - 2015

Dennis Chamot

Daron Freedberg

#### 2013 - 2014

Philip DeShong

Monika Konaklieva

John Ruth

### MANAGERS

#### 2014 - 2015

Alan Ehrlich

Kaitlyn Crawford

Zory Glaser

Katrice Lippa

Fatima Sequeira

Kelli Sikorski

#### 2014

Christopher Avery

Nicole Bolden

Robert Brennehan

Deana Jaber

J. Faye Rubinson

Michael Wagner

## Calendar of Events

January 15, 2014

CSW Evening Meeting  
ACS Headquarters, DC

January 17, 2014

Deadline to Submit CSW Travel  
Award Applications

January 30, 2014

Deadline for Project SEED  
Mentors to Submit Research  
Applications

February 7, 2014

Deadline to Submit UNSCO  
Mentor Applications



## President's Welcome, *Continued from Page 1*

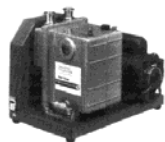
both reduced our costs in that area and increased our effectiveness, which is evident from this year's election that had the highest participation in recent memory. Last year our coordinator for Project SEED, Dr. Ajay Mallia, worked to increase our activity in Project SEED with the result of having 17 students participate in 2013! This is a great achievement that would not be possible without the engagement of the mentors and institutions that provided positions for those students. For our early-career scientists, we have been building on some of the webinars from ACS and resources in the area to provide networking and educational opportunities through our Younger Chemists Committee. Keep your eyes open for more of those events in the coming year. For all of our members, we began to experiment last year with one of our longest-standing traditions: the CSW dinner meetings. Dr. Robert Wiacek, former CSW president and current chair of the Program Committee, has worked to hold these events in different venues than our traditional sites and has adjusted the timing and format of the talks and activities. These changes are in response to the feedback we received from our membership survey a couple of years ago. We hope you consider them to be positive and that you will let us know what you think. What works? What doesn't? Do you have any suggestions on how we can continue to improve?

Speaking of dinner meetings, I hope you'll be able to join us on January 15<sup>th</sup> at the ACS Headquarters in downtown DC to hear a talk from Dr. Richard Denison of the Environmental Defense Fund. I'm sure it will be a great way to kick off the year's activities. I, along with many officers and representatives from the Board of Managers, will be there to talk and to hear your input. If you can't make it this time, I look forward to seeing you at any of the other events this year.

There is one last area where I need your help: our organization only works because of the efforts and time of our dedicated volunteers. With our large membership, we are always looking for additional people to share their energy and ideas on behalf of the organization. Do you have an ability and interest in getting involved? If so, please let us know. Just send an e-mail to [csw@acs.org](mailto:csw@acs.org) and let us know where you'd like to help.

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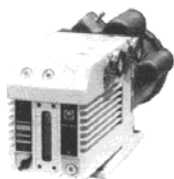
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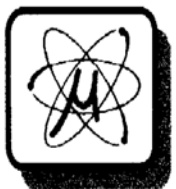
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