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**MONTHLY DINNER MEETING**

*and presentation of*

**2010 OUTSTANDING HIGH SCHOOL  
CHEMISTRY TEACHER AWARDS****Wednesday, May 19, 2010****"Brewery Tour"**

Time: 6:00 PM  
Awards: Frick Laboratory, Room 120  
Dinner & Tour: Triumph Brewery, Nassau St.

**Abstract:** Presentation will be made to the two winners of this year's Outstanding High School Chemistry Teacher Awards, sponsored jointly by the Trenton and Princeton ACS sections. This will be followed by a brewery tour and dinner. Joe Bair, proprietor of Princeton Homebrew, Trenton, NJ will join us to discuss the art of beer brewing as we enjoy our dinner.

**Reservations**

The meeting will be held in Frick Laboratory, Kresge Auditorium (room 120), Princeton University (note: if the main door is locked, please enter by the side door on the right front of the building). The awards presentation is at 6 PM followed immediately by dinner at Triumph Brewery, 138 Nassau St. Princeton, NJ. Reservations are required for dinner, which is \$20 for full members and \$10 for students. All reservations will be billed, for the section pays on the number of reservations, not the number of attendees. Please contact Denise D'Auria for reservations at (609) 258-5202 or [denised@princeton.edu](mailto:denised@princeton.edu) by May 12, 2010.

## Section By-Laws Being Amended

A petition to amend the by-laws to recognize the new status of student members, remove the restrictions on meeting dates, update business and organizational matters, and allow electronic ballots will be available for signature at the May 19 meeting. The move to electronic ballots is being done to encourage greater participation in our elections and will also result in some cost savings. Paper ballots will still be available for members without access to the internet.



### ACS Leadership Development System Training: **"Leading Without Authority"**

Hosted by Princeton ACS Local Section  
Saturday, June 12, 2010 1 – 5 pm  
Princeton University Campus

Instructor: [Les McQuire, PhD](#)  
Senior Research Investigator,  
Novartis Institutes for BioMedical Research  
ACS Leadership Advisory Board  
Board Oversight Group for Leadership Development  
Committee on Committees, Chair in 2009-10



Limited to 25 participants  
Princeton Section ACS Website ([www.princeton.edu/~pacs](http://www.princeton.edu/~pacs))  
or Randy Weintraub ([weintraubr@gmail.com](mailto:weintraubr@gmail.com)) for registration details

We are pleased to announce that the Princeton Section of the ACS is hosting an ACS Leadership Development Course, "Leading Without Authority".

It will be held on Saturday, June 12, 1:00 pm - 5:00 pm at Princeton University, Frick Laboratory. The cost is \$25 for ACS members, \$150 for ACS non-members.

Registration is now open and can be made through the ACS Center for Professional Development, at [www.acs.org/professionaldevelopment](http://www.acs.org/professionaldevelopment).

This unique course can help us in many aspects of our lives, but in particular in our professional discourse. The course is limited 25 participants for effectiveness.

#### Course Description:

Whether in volunteer organizations like our ACS Local Sections, or workplace committees, task forces, or workgroups --- these skills are invaluable and not easy to master without some good training and experience. Join us and become more effective

leaders as we become better equipped for meeting challenges like:

- Having to influence people who have different styles or views.
- Needing to get a task force organized and committed to a project but finding the team members aren't cooperating and are putting up barriers.
- Kicking off a new project, knowing what needs to be done but unable to get the buy in and support to carry it out.
- Getting new volunteers to participate in the local section or division activities because they are too busy with other professional and personal obligations.

If you are interested please don't wait, register as soon as possible. The course is limited to the first 25 people to register. Additional information on Leadership Development Training courses can be found on the [acs.org](http://acs.org) website.

If you have any questions, contact Randy Weintraub at [weintraubr@gmail.com](mailto:weintraubr@gmail.com).



## Job Seekers: Don't Go It Alone.

Whether you're looking for your first job or seeking to advance or transition in your career, the resources of ACS Careers (look under [acs.org/careers](http://acs.org/careers)) will give you a competitive advantage in your job search. ACS Careers offers members like you invaluable resources, from one-on-one career consulting and mentoring, to webinars to hone your job search skills, to the leading online job search resource for chemists and scientists at all levels of experience and education.

You can also energize your job search by creating or joining a local job club, in which you meet regularly with other job seekers in your area to share strategies and provide group support. Many job clubs are formed under the auspices of ACS Local Sections. If you are interested in starting one, the Princeton Section would be willing to help. The ACS Careers webinar forums can serve as useful discussion starters for your club's meetings. You can find other job search strategies and discussion materials on the ACS Careers Job Search Essentials web page.



## PRINCETON SECTION SUPPORTS DEL VAL SCIENCE COUNCIL

The mission of the Delaware Valley Science Council (DVSC) is to discover, encourage, and recognize talented youth in the Delaware Valley who have outstanding capabilities in the areas of science, mathematics and engineering, and to be a resource agency available to science teachers, technology organizations, and science students. It is supported by a number of local corporations, academic institutions and professional societies including the Princeton ACS Section.

Randy Weintraub, Chair-elect, attended the DVSC awards dinner this past March 8 and presented a chemistry award on behalf of PACS to Nina Sharon of Princeton Day School.

Forty-one high school student finalists from about thirty participating schools in a region from Philadelphia to Princeton were present to hear whom among them were this year's cash award winners. They were selected based on their score on a written exam as well as an interview with one of the DVSC board members.



*Dina Sharon, Princeton Day School  
receiving award from Randy Weintraub*



### ***DON'T MISS THESE ACS Webinars™!***

This is a weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business on relevant professional

issues. Each webinar is 60 minutes in length, comprising of a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET and recordings of the past webinars are available online. View and register for upcoming events at [http://boilthisdown.org/?page\\_id=385](http://boilthisdown.org/?page_id=385) or email [acswebinars@acs.org](mailto:acswebinars@acs.org).

### Upcoming Webinars

May 13 - Chemistry and Communications – a Closer Look at Scientific Careers in Publishing.

May 20 - Green Chemistry: Innovation and Application for the New Decade.

May 27 - Knowing Your Worth: Strategies to Negotiate for Salary or Pay for Chemical Professionals.

June 3 - Effective Technical Writing – Tips and Strategies Every Scientist Should Know.

June 17 - A Life of Innovation – Finding Your Passion.

July 1 - From Laboratory to Licensing: Protecting Your Intellectual Property Along the Way.

July 8 - Chemicals & the Economy Mid-Year Updates – Impact and Outlook for Executives and Scientists.



## **News From National**

239<sup>th</sup> ACS NATIONAL MEETING  
SAN FRANCISCO, CA, MARCH 21-25, 2010

Councilors Lynne Greenblatt and Louise Lawter attended the meeting of ACS Council on Wednesday, March 24. Below are highlights of some of the reports presented.

### **Election Results**

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2011: Luis A. Echegoyen, John P. Fackler, Jr., and Bassam Z. Shakhshiri. By electronic ballot, the Council selected Luis A. Echegoyen and Bassam Z. Shakhshiri as candidates for 2011 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

## The Society's Finances

- The Council and Board of Directors learned that the Society's total 2009 revenue (\$460 million) was up +1% from 2008, but fell short of the 2009 approved budget by \$19.5 million or 4.1%. Fortunately, the revenue shortfall was fully anticipated in early 2009. Therefore, contingency planning actions and cost containment initiatives were implemented across the Society, resulting in expense savings totaling \$22.5 million. Significant reductions were realized in salaries and fringe benefits, and in discretionary accounts such as travel, training, and professional services. As a result, the Society's Net Return from Operations was \$13.7 million, or \$3.0 million greater than anticipated in the 2009 Approved Budget.

## 2011 Member Dues

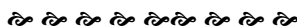
- The Council VOTED to set the member dues for 2011 at the fully escalated rate of \$146. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

## Member Statistics

- At the close of 2009, Society membership totaled 161,783 compared to 154,024 for year-end 2008. The number of new membership applications received last year was the highest ever. The 2009 number also reflects the transition of 6,658 former Student Affiliates to the new student member category in June 2009 and the recruitment of 6,341 new student member undergraduates.

## Attendance Report

- As of March 24, 2010, the ACS spring national meeting had attracted 18,076 registrants as follows: Regular attendees, 9,715; Students, 5,705; Exhibitors, 1,219; Exposition only, 923; and Guests, 514.



## Local Contest Held

by Louise Lawter, Coordinator

The 8<sup>th</sup> annual Chemagination contest, sponsored by the Princeton & Trenton Sections of the American Chemical Society took place on Saturday, March 13, 2010 at Princeton University, Friend Center Convocation Room,

Princeton, NJ. This contest for high school students is designed to stimulate students' creativity and interest in chemistry. It helps them develop their skills in team building and public speaking, strengths that will serve them well in the future. Teams of 2-3 students are asked to imagine an innovation 25 years in the future that help people's lives. They must write an article about the innovation in the categories of Alternate Energy, Environment, Medicine/Healthcare or New Materials and explain the science of the innovation to the judges.

This year, 15 teams from 5 high schools participated. The faculty advisors and schools were Dr. Dan Allen, Hunterdon Central Regional High School, Ms Karen Galley, West Windsor-Plainsboro HS South, Ms Julie Norato, West Windsor-Plainsboro HS North, Ms Carol Peabody, Delaware Valley Regional High School, and Dr. Lillian Rankel, Hopewell Valley Central High School.

Prizes were awarded for 1<sup>st</sup> and 2<sup>nd</sup> place in each category. Dr. Barbara Ameer, Dr. Schuyler Antane, Dr. James DeNoble, Dr. Jinping Gan, Dr. Paul Sanders, and Dr. Randy Weintraub volunteered to serve as judges.

The competing entries in each category were:

### Alternate Energy

- "Harnessing Volcano Power", M. Ryan Fredericks, Ian McQueary and Ravi Prakriya, *Hopewell Valley Regional High School*
- "Thirst for Energy: Quantum Dots Hit the Spot", Shawn Carrick, Alex Huang and Samir Koppolu, *West Windsor-Plainsboro High School South*
- "Plasma Power: Discovering Plasma Technology", Jason Li, Albert Lu and Henry Wang, *West Windsor-Plainsboro High School North*

### Medicine/Healthcare

- "An End to Kidney Stones: Sustulero, The New Miracle", Carey Glenn, Sophie Guenin and Hannah Hirsh, *Hopewell Valley Regional High School*
- "Cancer Vaccines: The Cure for Cancer", Alex Huang, Leanna Zhan, *Hopewell Valley Regional High School*
- "Cancer's Demise: Using HDAC Inhibitors to Treat Cancer", Neeli Mishra and Maria Vincent, *West Windsor-Plainsboro High School South*
- "Being in Balance!: A Holistic Approach to Prevention", Ashwin Amurthur, Satyajeet Pal and Abhinay Tumati, *West Windsor-Plainsboro High School South*
- "Weight Management Meets Technology", Neil Bedi, Sanjana Manikandan and Lisa Pahi, *West Windsor-Plainsboro High School North*
- "Can Three Pills a Day Help Stop World Hunger?", Nina Eckel, Lauren Jones and Luke Sabor, *Delaware Valley Regional High School*
- "From Designer Clothes to Designer Enzymes", Isha Desai, Ishaan Desai and Kathy Hoe, *Hunterdon Central Regional High School*

## Environment

- "CO<sub>2</sub>: Culprit Turned Conqueror", Ryan Currie and Dina Gold, *Hunterdon Central Regional High School*
- "Below the Dirt: of Bacteria and Toxins", Alica Feng, Renuka Reddy and Felix Xiao, *West Windsor-Plainsboro High School North*
- "Tackling Climate Changes Through Carbon Capture", Abishy Pandita, Kevin Zhang and Michael Zhuang, *West Windsor-Plainsboro High School North*

## New Materials

- "Light Sandwich for Healthy Living", Nicole Conover and Tara Raj, *Hunterdon Central Regional High School*
- "Spray-On Solar Cells", Gabby Underhill and Michael Donnelly, *Delaware Valley Regional High School*

The teams' hard work was reflected in the quality of the entries and it was difficult selecting the winners from among them. While the scores were being tallied and winners determined, the participants and guests attended a Chemistry Demonstration by Dr. Kathryn Wagner of Princeton University.

## The Contest Winners were:

### Alternate Energy:

First Place: Shawn Carrick, Alex Huang and Samir Koppolu

Second Place: Jason Li, Albert Lu and Henry Wang

### Environment:

First Place: Alica Feng, Renuka Reddy and Felix Xiao

Second Place: Ryan Currie and Dina Gold

### New Materials:

First Place: Nicole Conover and Tara Raj

Second Place: Gabby Underhill and Michael Donnelly

### Medicine/Healthcare:

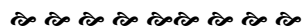
First Place: Carey Glenn, Sophie Guenin and Hannah Hirsh

Second Place: Isha Desai, Ishaan Desai and Kathy Hoe

First and second place team members received \$50 and \$25 B&N gifts certificates respectively. All participants were given Chemagination t-shirts. The First place winners went on to compete in the regional competition sponsored by the MARM Executive Board of the American Chemical Society. It was held on Saturday, April 10, 2010 at the 41st Mid-Atlantic Regional Meeting, Hotel du Pont, Wilmington DE.

The executive committees of the Princeton and Trenton Sections of the ACS wish to thank Dr. Kathryn Wagner

for a great Chemistry Show, Allen Jones our photographer, and all of the students, teachers, judges, parents and other volunteers that made this contest a success.



## Chemagination at MARM

by Louise Lawter

The Mid-Atlantic Regional Chemagination competition, sponsored by the MARM Executive Board of the American Chemical Society, was held on Saturday, April 10<sup>th</sup>. It took place at the 41st Mid-Atlantic Regional Meeting, Hotel du Pont, Wilmington, DE. Contest Coordinators were Vijaya Korlipara, New York Section and Louise Lawter, Princeton Section. This contest for high school students is designed to stimulate students' creativity and interest in chemistry. It helps them develop their skills in team building and public speaking, strengths that will serve them well in the future. Teams of 2-3 students are asked to imagine an innovation 25 years in the future that help people's lives. They must write an article about the innovation in the categories of Alternate Energy, Environment, Medicine/Healthcare or New Materials and explain the innovation science to the judges.

Princeton, Trenton and New York ACS local sections participated, sending a total of 8 teams from 8 high schools. The faculty advisors and schools were Ms Linda Davidson, Half Hollow Hills High School West, Ms Karen Galley, West Windsor-Plainsboro HS South, Ms Annette Kuruc, North Babylon High School, Mr. Gerard Marzigliano, Division Avenue High School, Ms Courtney McKay, Locust Valley High School, Ms Julie Norato, West Windsor-Plainsboro HS North and Dr. Lillian Rankel, Hopewell Valley Central High School.

Dr. Donald Mencer, Wilkes University, and Ms Tiffany Hoerter, AstraZeneca served as judges. First, Second, and Third Place Overall and Honorable Mention Prizes were awarded. First Place team members received \$125 checks, Second Place, \$100 checks, Third Place \$75 checks and Honorable Mention \$50 checks.

## The participating teams were (alphabetically by school):

"The Bactery: The Device That Powers Our Society", Garret Leotta and Evan Rosati, *Division Avenue High School*

"The History of the Modern Tyrosine Toothpaste", Malini Desai, Tanya Jain and Samantha Lustig, *Half Hollow Hills High School West*

"An End to Kidney Stones: Sustulero, The New Miracle", Carey Glenn, Sophie Guenin and Hannah Hirsh, *Hopewell Valley Regional High School*

"Light Sandwich for Healthy Living", Nicole Conover and Tara Raj, *Hunterdon Central Regional High School*

"The Ozone Copter", Zachary Rowe and Sean Rudowsky, *Locust Valley High School*

"Terminator Vision", Cameron Billings, Allison Nguyen and Evan Skoller, *North Babylon High School*

"Below the Dirt: of Bacteria and Toxins", Alica Feng, Renuka Reddy and Felix Xiao, *West Windsor-Plainsboro High School North*

"Thirst for Energy: Quantum Dots Hit the Spot", Shawn Carrick, Alex Huang and Samir Koppolu, *West Windsor-Plainsboro High School South*

#### **Congratulations to the Contest Winners:**

**First Place:** Shawn Carrick, Alex Huang and Samir Koppolu, *West Windsor-Plainsboro High School South*

**Second Place:** Nicole Conover and Tara Raj, *Hunterdon Central Regional High School*

**Third Place:** Malini Desai, Tanya Jain and Samantha Lustig, *Half Hollow Hills High School West*

**Honorable Mention:** Carey Glenn, Sophie Guenin and Hannah Hirsh, *Hopewell Valley Regional High School*

The MARM Executive Board and the Executive Committees of the New York, Princeton and Trenton Sections of the ACS wish to thank all of the students, teachers, judges, parents and volunteers that made this contest a success. A special thank you goes to Martha Holloman, MARM General Chair for her support and assistance.



#### **Seeking Volunteers for Program Committee**

In an effort to provide better service to our members, the Princeton Section is establishing a program committee to help plan our monthly meetings and other events. If you are interested in serving on the committee, or if you just have an idea for a program, please contact chair-elect Randy Weintraub at [weintraubr@gmail.com](mailto:weintraubr@gmail.com).

#### **Are you receiving a paper copy of the AliQuotes?**

Please help the Princeton Section save paper and reduce mailing costs. Sign up today to receive the newsletter electronically. Send your email address to Louise Lawter at [louise.lawter@gmail.com](mailto:louise.lawter@gmail.com) to start receiving your electronic copy. You can also sign up directly at [www.princeton.edu/~pacs/subscribe](http://www.princeton.edu/~pacs/subscribe)



## 🔗🔗🔗 2010 EVENTS & NOTICES 🔗🔗🔗

<b>Wednesday, May 12</b>	<p><b>Chemical Consultants Network: Joint Meeting With Philadelphia Section Ieee Consultants Network (CONET)</b></p> <p>Topic: Website Design for Consultants". Speaker: Matt Thompson, Dakota-Diesel, Inc.. This presentation will include: Logo Design, Name Concepting, Copywriting and Illustration with an emphasis on overall Web Design &amp; Development. Location: Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA. Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM.</p> <p>To make or cancel a dinner reservation, e-mail <a href="mailto:CCNReservations@aol.com">CCNReservations@aol.com</a> or call the ACS office at 215-382-1589. 1589 (leave message if necessary). Please let us know whether you are responding to a CCN or CONET notification. Fee, including food and beverages (wine, beer &amp; sodas), is \$25 if reserved by Thursday, May 6, \$35 afterwards. For more information see <a href="http://www.chemconsultants.org">www.chemconsultants.org</a>.</p>
<b>Saturday, June 12</b>	<p><b>ACS Leadership Development Course, "Leading Without Authority"</b></p> <p>Will be held at Princeton University, Frick Laboratory, Rm124, 1:00 pm - 5:00 pm. See article above for further information or contact Randy Weintraub at <a href="mailto:weintraubr@gmail.com">weintraubr@gmail.com</a>.</p>
<b>June 21-25</b>	<p><b>ACS Short Courses in Philadelphia</b></p> <p>With 9 Short Courses from the ACS, there is something for every scientist to help expand their knowledge and improve job performance. The ACS Short Course Circuit in Philadelphia, PA, June 21-25, 2010, is a fantastic opportunity to deepen your level of expertise in your current field and keep pace with breakthrough discoveries in your area of expertise. You can register online at <a href="http://acs.org">acs.org</a>. <u><a href="#">ACS offers a 50% discount for unemployed ACS members who have paid up their dues.</a></u></p>
<b>Thursday, July 15</b>	<p><b>Princeton ACS Section Executive Committee Meeting</b></p> <p>It will be held at Princeton University, Frick Laboratory from 11:45 am to 1:30 pm. Interested members are invited to attend. Contact Kathryn Wagner at <a href="mailto:kmwagner@Princeton.EDU">kmwagner@Princeton.EDU</a>.</p>
<b>August 20-26</b>	<p><b>ACS Short Courses at Fall National Meeting</b></p> <p>The ACS Department of Professional Education is holding over 40 one-, two-, and three-day courses at the ACS Fall National Meeting, August 20-26, 2010 in Boston, MA. These cutting edge courses are designed to improve your job performance during these tough economic times.</p> <p>Early Registration and Group Discounts are available. Your short course registration includes a free pass to the Expo. You do not need to register for the national meeting to attend a short course. Housing is also available.</p> <p>FOR MORE INFORMATION, VISIT <a href="http://WWW.PROED.ACS.ORG/BOSTON">WWW.PROED.ACS.ORG/BOSTON</a></p>

### **SIG Seeking Chemistry Teachers**

The Summer Institute for the Gifted is searching for chemistry teachers for our 3 week summer program for gifted students at Princeton University. Classes run for 1.25 hrs, Monday - Friday from July 26 - July 13th. Instructor compensation ranges from \$800 - \$850 per course (instructors teach 1-4 courses). Visit [www.giftedstudy.org/employment](http://www.giftedstudy.org/employment) to apply or contact call Wanda Rodriguez at (203) 399-5032.

## Join National Lab Day – Princeton Section will help!

The Princeton Section has a ***“Chemistry’s Rainbow” kit available*** for someone interested in conducting a chemistry activity in a classroom, after school program, scout meeting or other venue. The kit includes a presenter’s guide, a teacher’s guide, a student lab guide and supplies for up to 32 students. Chemistry’s Rainbow is designed for 5th-8th Grade students and teaches them to interpret color changes like a scientist as they create acid and base solutions, neutralize them, and observe a colorful chemical reaction. **Contact Louise Lawter at [louise.lawter@gmail.com](mailto:louise.lawter@gmail.com) as soon as possible to obtain the kit.**

Last fall, President Barack Obama announced the establishment of National Lab Day, an effort supported by ACS and more than 200 other organizations representing more than 6.5 million science, technology, education and math (STEM) professionals. The first National Lab Day will be held during the first week of May and will be part of a large, ongoing STEM initiative called “Educate to Innovate.” ACS and other organizers hope National Lab Day will help stimulate more hands-on science learning by fostering enduring collaborations between individual (STEM) professionals, teachers and students.

We encourage you to join the effort or learn more by visiting [www.acs.org/chemistryambassadors](http://www.acs.org/chemistryambassadors) and [www.nationallabday.org](http://www.nationallabday.org).



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