

Joint ACS/AICHe Meeting Will Feature Prof. Tom Barton, President of ACS, and Mr. Otis Shelton, President of AICHe

On March 4, CSW will host a joint AICHe/ACS evening meeting, featuring guest speakers Professor Tom Barton, President of ACS, and Mr. Otis Shelton, President of AICHe. The meeting topic is still to be determined, but you can find meeting details on page 2. Please note, there will not be a February evening meeting this year, but there will be two meetings in March.



Featured speakers at the March 4th meeting: Professor Tom Barton, ACS President, left, and Mr. Otis Shelton, AICHe President, right. Photo for Professor Barton courtesy of Peter Cutts Photography.

Biography, Professor Tom Barton

Tom Barton grew up in the gulf coast region of Texas as the son of teachers (not chemistry!). He graduated in 1962 with a B.S. in Chemistry from Lamar University (Beaumont). He received his Ph.D. in organic chemistry at the University of Florida in 1967 and worked as an NIH postdoctoral fellow at The Ohio State University before joining the Iowa State faculty in that same year. Not being accustomed to cold weather, his plan was to get tenure, get an international reputation and get out. He's still there after 45 years, though he retired in May 2012, and now holds the position of Distinguished Professor Emeritus.

In 1988, he became Director of the Ames Laboratory (U. S. Department of Energy), where in addition to chemical research, he experienced the worlds of condensed-matter physics, metallurgical science and a variety of other material sciences. In 1998, he was appointed Director of Iowa State University's Institute of Physical Research & Technology, where he directed a consortium of university research centers composed of a broad spectrum of engineering and physical sciences with a focus on industrial interaction uncommon in a university setting. He served one year as interim director of the Iowa Energy Center, which funds and manages projects of energy efficiency and renewable energy.

Professor Barton has been a National Academy of Sciences exchange scientist in the Soviet Union, a NATO exchange scientist in France, a JSPS lecturer in Japan, and a professor d'échange at the University de Montpellier. In 1981, he was appointed to the editorial board of the new ACS journal, *Organometallics*. Professor Barton was selected as the recipient of the Frederic Stanley Kipping Award in Organosilicon Chemistry in 1982, in 1983 was honored to be the second recipient of the Iowa Governor's Science Teaching Medal, and in 1989 received an award for Outstanding Scientific Accomplishment in Materials Chemistry (DOE Materials Sciences Research Competition). He was the recipient of the American Chemical Society's 1995 Midwest Award. In 2003, he was named the Federal Laboratory Consortium's Laboratory Director of the Year for Technology Transfer. In 2012, he was elected to the Presidential succession of the American Chemical Society. He served as President-Elect in 2013, is serving as President in 2014, and will become Immediate Past President in 2015.

Although a physicist friend says, "Barton doesn't have hobbies, he has passions!" he has quite a few pastimes, including fishing, riding motorcycles, flying (private pilot with instrument rating), sailing (water, ice, and land), languages, running, skiing, and scratch building of miniature furniture. He has several times served as a banquet lecturer, speaking on the subject of "Humor—What Makes Us Laugh". He and his wife have two obese and adoring cats, Frito Lay and Taco Belle.

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Biography, Mr. Otis Shelton

Otis Shelton received his B.S. and M.S. degree in chemical engineering from the University of Houston. In 1967, he joined Union Carbide Corporation in Texas City, Texas where he held various manufacturing assignments in low density polyethylene production, suspension/non-solvent vinyl chloride production and operations supervision of the Texas City Marine Terminal. Later, he worked in

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THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS: *1125th Evening Meeting*

March 4, 2014

ACS Clifford & Kathryn 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 Speakers, Prof. Tom Barton & Mr. Otis Shelton

Cost \$30.00 Members & guests, \$15 Students

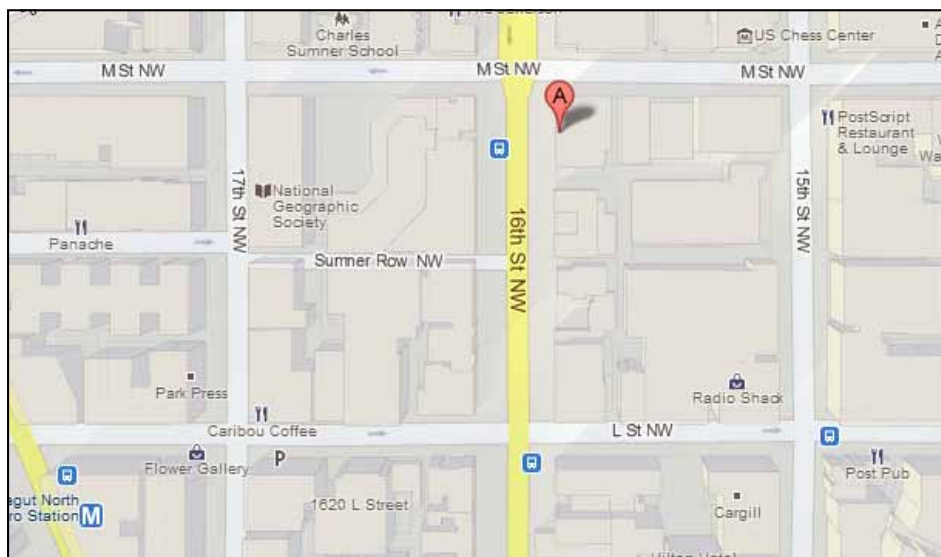
Menu: Reception includes fruit, vegetable, and cheese trays. Dinner menu includes your choice of balsamic-glazed chicken or lemon artichoke salmon, rosemary mashed potatoes, green beans with toasted almonds, grilled vegetables, garden salad, fresh baked bread, and dessert.

Reservations: Make reservations by **Friday, February 28, 2014, 12:00 noon**, to the CSW office directly at csw@acs.org or 202-659-2650. Please designate the names in your party and whether you would prefer chicken or salmon as your entree. 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.



Professor Michael P. Doyle Chosen as 2013 Hillebrand Prize Recipient

The selection of the recipient of the Hillebrand prize, the highest award given by CSW, is difficult due to the fact that all nominees have an extensive record of publications and other research accomplishments in wide ranging areas of the chemical sciences. This year's recipient, Dr. Michael P. Doyle of the University of Maryland, College Park (UMCP), has an exceptionally strong record of research accomplishments including over 300 papers in high-impact journals (averaging 43 citations per article), 22 book chapters, 10 monographs, and 9 patents. He is a recognized leader in the chemical sciences as the above accomplishments strongly suggest, and has demonstrated his leadership role on numerous editorial boards, funding agencies, and professional organizations.

Professor Doyle is a preeminent physical organic chemist with an international reputation. However, there is hardly a major sub-field of chemistry that his work has not affected, given that his major accomplishments involve dirhodium catalysts, asymmetric catalysts, carbene chemistry, and nitrogen oxide and nitrosyl chemistry. These diverse interests have led to significant developments in organic, inorganic, and organometallic chemistry, catalysis, C-H activation, and biochemistry. The area of C-H activation, which Professor Doyle played a major role in founding, is and will continue to be a major research area for the chemical sciences. It is not surprising that his accomplishments are recognized by both academic and industrial leaders. Any summary of the accomplishments of Professor Doyle would be incomplete without mentioning the fact that a large fraction of his work was done with undergraduates, who undoubtedly will continue to advance our science due to the skilled research instruction they received from Professor Doyle.



CSW Younger Chemists Committee (YCC) News and Events

Contributed by Dr. Ajay Mallia and Dr. Deana Jaber, YCC-coordinators

The Younger Chemists Committee (YCC) organizes events and workshops to help early-career chemists in the chemical sciences and related fields. In 2013, CSW's YCC organized 15 different and diverse events including career workshops, outreach activities, museum visits, chemistry demonstrations, and networking happy hours. All CSW members are welcome to participate in these activities/events/workshops. If you are interested in volunteering for any future events, please contact YCC coordinators Dr. Ajay Mallia (vajaymallia@gmail.com) or Dr. Deana Jaber (djaber@marymount.edu).

Upcoming Events

The Chemistry of Scent and Fragrance (webinar)

Date and Time: February 11, 2014, 7 p.m.

(Make reservations by February 7, noon, at csw@acs.org. Please indicate which location you will attend from.)

Locations:



Marymount University

Rowley Hall, Room G209
Shuttle bus available from Ballston
(orange line)

Georgetown University

Regents Hall, Room 209
Shuttle bus available from Dupont Circle (red line) and Rosslyn (orange/blue line)

University of Maryland, College Park

Chemistry Building, CHM 0112
Shuttle available from College Park (green line)

Learn about the history of perfume, a perfumer's palette, the basics of odor analysis, and how to use perfumes in products.

For more information, contact CSW (csw@acs.org), or Dr. Deana Jaber (djaber@marymount.edu).

You Be The Chemist (YBTC) Challenge

On February 22, 2014, the CSW YCC, Marymount University, and the National Association of Chemical Distributors will co-sponsor a local "You Be The Chemist" (YBTC) Challenge at Marymount University. YBTC, one of the Chemical Education Foundation's biggest programs, is an academic question-and-answer competition for students in grades 5-8. The YBTC Challenge is similar in format to other national competitions like the National Spelling Bee, but is designed to engage students in learning about important chemistry concepts, scientific discoveries, and laboratory safety. If you are interested in organizing a YBTC challenge, feel free to contact the Chemical Education Foundation at comments@chemed.org.

Save the Date! ACS National Meetings

March 16-20, 2014
Dallas, TX
Theme: "Chemistry and
Materials for Energy"

Technical Program available
now

Early Registration Ends
February 6

August 10-14, 2014
San Francisco, CA
"Chemistry and Global
Stewardship"

Abstract Submission open
now

Registration and Housing
opens May 2014

Technical Program available
June 2014



Speaker Bio, Cont. from Page 1

corporate human relations recruiting engineers for Union Carbide's US operations. Mr. Shelton worked at Union Carbide's Global Headquarters in New York as a business analyst for the silicones/urethanes intermediates business. He later worked at Union Carbide's Headquarters in Danbury, Connecticut as Manager of Financial Analysis and was responsible for the annual budget development of the Chemicals and Plastics operations, as well as financial business support. In 1986, he helped lead the development and implementation of a corporate health, safety & environmental audit program which provided in-depth assessments of Union Carbide's worldwide manufacturing facilities. In 1992, Mr. Shelton joined Praxair, where he led its Safety and Environmental Assessment Program, which conducted thorough assessments of health, safety, process safety, distribution, environmental, and emergency planning programs at Praxair facilities worldwide. He worked as Director of the program until his retirement in September, 2012.

Mr. Shelton is an AIChE Fellow and a distinguished leader in his community and in his profession. He served on the AIChE Board of Directors from 2000–2002 and was Secretary of the Board from 2004–2006. He was instrumental in helping to direct the Institute during a challenging period in its history. He has spent several years serving as Chair of AIChE's Government Relations Committee and has served on the President's Blue Ribbon Committee on Government Relations, which helped to establish the foundation for the current Public Affairs and Information Committee (PAIC). He currently serves as a member of the AIChE Board of Trustees and the Minority Affairs Committee. In 2012, Mr. Shelton was elected as 2013 AIChE President-Elect and began his tenure as AIChE President on January 1, 2014. Mr. Shelton has also served for 20 years on the National Advisory Board of the National Society of Black Engineers (NSBE) and for five years on the National Research Council's Committee on Chemical Demilitarization.

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February 6: Ig Nobel Prizes for Discoveries in Chemistry—The Improbables

<http://acswebinars.org/ig-nobel>

February 11: The Chemistry of Scent and Fragrance (Program-in-a-Box)

<http://acswebinars.org/pib>

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>

February 27: 2014 Drug Discovery Series

<http://acswebinars.org/drug-discovery>

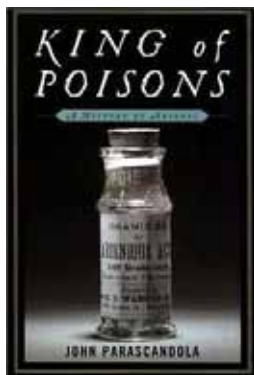
Save the Date!

CSW Evening Meeting
March 11, 2014
ACS Headquarters, DC

Featured Speaker
 John Parascandola

Topic

King of Poisons: A History of Arsenic



Look for more information in the March *Capital Chemist*

ACS-Hach Grant Applications Now Being Accepted

The ACS-Hach High School Chemistry Grant is awarded to U.S. high school chemistry teachers seeking funds to support ideas that transform classroom learning, foster student development, and reveal the wonders of chemistry. Teachers can request up to \$1,500 for their ideas. Applications are accepted annually February 1 – April 1. Applicants for the 2014-2015 award cycle will be notified of their status by June 30, 2014. Since 2008, more than 600 ACS-Hach High School Chemistry grants have been awarded to teachers with innovative and exciting ideas.

They have offered grants for:

- Laboratory Equipment & Supplies
- Instructional Materials
- Professional Development
- Field Studies
- Science Outreach Events

For more information, including past recipients, applications, and eligibility requirements, please visit <http://portal.acs.org/portal/Navigate?nodeid=2245>.

WCC/Eli Lilly Travel Award Deadline February 15

The ACS Women Chemists Committee (WCC) and Eli Lilly and Company sponsor a program to provide funding for undergraduate, graduate, and postdoctoral female chemists to travel to meetings to present the results of their research. Through this program, WCC and Eli Lilly and Company continue to increase the participation of women in the chemical sciences.

Applications must be received by February 15, 2014 for meetings between July 1 and December 31. Visit the ACS website to learn more about this opportunity.

**Project SEED News**

Contributed by Ajay Mallia, Project SEED Chair

Deadlines for 2014 Project SEED Students

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. Alternatively, you may also contact the ACS Project SEED office at 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 students). Your contribution is fully tax deductible. For more information, Ajay Mallia, Project SEED Chair, can be reached by email at vajaymallia@gmail.com, or you may contact CSW at csw@acs.org, or by phone at 202-659-2650.



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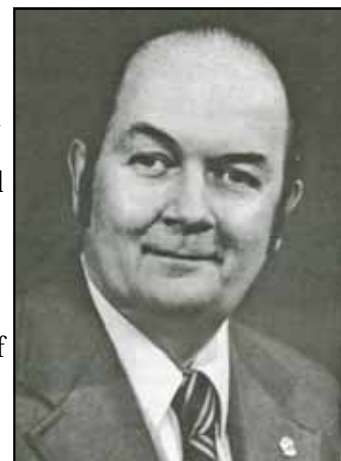


Remembrance of Dr. Paul H. Terry

Dr. Paul H. Terry passed away suddenly on November 18, 2013 at his home in Beltsville, MD at 85 years of age. As a member of the American Chemical Society (ACS) for 56 years, Dr. Terry was an active member of the Chemical Society of Washington (CSW) and the ACS. He served in many capacities and was elected as an ACS Fellow in 2010. He also received both the Community Service Award and the Charles L. Gordon Award from CSW. Dr. Terry was President of CSW in 1987, represented CSW as a Councilor for 25 years, started the Retired Chemists Group in 1987 (and remained active in this group until his death), was Committee Chairman for 27 years of the Leo Schubert Award for High School Chemistry Teaching, was Chairman of the Awards Committee, and organized the Meeting in Miniature for students. For ACS, Dr. Terry served for fifteen years each as member, chairman, and consultant on the Admissions Committee and the Membership Affairs Committee. He was also an active member of the Greater Washington Institute of Chemists for 33 years.

As a volunteer, his second great love was Toastmasters International, where he was an active member for 40 years. He rose through the governance ranks from Club President to District Governor of the Washington area in 1983-84. He helped found many clubs and was particularly proud of starting the first all-Distinguished Toastmaster (DTM) club in history.

Dr. Terry earned a B.S. in chemistry from Southeastern Massachusetts University and both M.S. and Ph.D. degrees in organic chemistry from the University of Massachusetts at Amherst. He was employed as a research organic chemist for 25 years at the USDA Agricultural Research Station, Beltsville, MD. For the first half of his career he worked in the Chemosterilant Laboratory in research and development of insect chemosterilants with low mammalian toxicity, developed two unusual and novel new classes of effective compounds, and earned an international reputation in his research area. The second half of his career was in the Plant Hormone Laboratory where he was involved in the development of a program on plant hormone analysis. This research successfully determined whether endogenous levels of abscisic acid in plants are correlated with various environmental stressors and developed a chemical analysis, which allowed an unequivocal correlation between leaf development and indole-3-acetic acid levels in sugar beet leaves. Every summer for 25 years he mentored one or two undergraduate students in his laboratory.



Paul Terry was President of CSW in 1987.

Calendar of Events



February 11, 2014
The Chemistry of Scent and Fragrance
(Webinar)
Marymount University
More information on page 3

February 15, 2014
WCC/Eli Lilly Travel Award Deadline
More information on page 5

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"You Be The Chemist" Challenge
Marymount University
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ACS Headquarters, DC
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March 11, 2014
CSW Evening Meeting
ACS Headquarters, DC

April 1, 2014
ACS-Hach Grant Application Deadline
More information on page 5



Paul Terry pictured with students and CSW President Fred Metz, 2001.

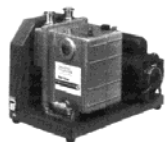
Dr. Terry was born in Fall River, MA to Mabel (Burns) and Job Terry. He was raised and educated in the Fall River-Assonet area. Upon receiving his undergraduate degree, he served in the U.S. Army for two years, most of that time at Fort Myer, VA, before pursuing his graduate studies. His funeral was held on November 23, 2013 in Fall River, with burial next to his parents in Assonet, MA. He leaves behind many cousins and friends. Arrangements for a memorial service in the Washington, D.C. area are pending. Memorial donations in memory of Dr. Terry can be made to SOME (So Others Might Eat), 71 O Street NW, Washington, DC 20001 or the National Kidney Foundation, Inc., 30 East 33rd Street, New York, NY 10016.

The Retired Chemists Group
offers a social program of
luncheons and outings available to all.
csw.sites.acs.org/rcg.htm



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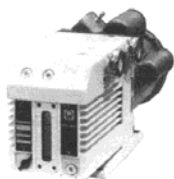
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