

the Catalyst



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June 2012
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Philadelphia Section Councilors at the San Diego National Meeting

L. to R.: John Crawford, Kathy Shaginaw, Judy Summers-Gates, Ella Davis, Judith Cohen, Marge Matthews, Melissa Cichowicz, Tony Addison and Deborah Cook.

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ADVANCE NOTICE

SEPTEMBER MEETING

Thursday, September 20, 2012

TBA

See the SEPTEMBER issue of *the Catalyst* for details,
call the Section Office at (215) 382-1589 or email PhilaACS@aol.com.

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From The Chair



Rick Ewing

Towards the end of May, I joined my family in attending commencement ceremonies. The time went by fast and now my son has just obtained his undergraduate degree. Many of you will be, or have, attended such celebrations at the college, high school or middle school level. Not only is it a time to celebrate the achievements of graduates, but also a time to recognize and appreciate those that have been influential in shap-

ing those that will be our future. In the various addresses and speeches that I heard in May, several speakers highlighted that their life-changing event came more often than not from a teacher who had encouraged and mentored them. So too in May, the Philadelphia Section recognized excellence in teaching in chemical sciences at the high school and college level. The award ceremony held at the Desmond celebrated the achievements of Linda Mascavage (Arcadia University) and Scott Best (Conestoga High School), and was amply attended by students, friends, faculty members and ACS Section members. Both winners had clearly inspired and motivated their students in the

chemical sciences as was attested by their student's words, letters and attendance. Congratulations to both award winners!

The June meeting will be a special recognition lunch at the Chemical Heritage Foundation (CHF) for our 50-year members. Ronald Brashear, Director of the Othmer Library will give a presentation entitled *Great Chemistry Book Collectors and Their Treasures in CHF's Othmer Library*. I would like to encourage those that are able to attend this lunch celebrating our 50-members and to enjoy a day celebrating the history of chemistry at CHF. Further details can be found on page 109 of this issue of *the Catalyst*.

HEADS-UP: ELECTION 2012

This fall we will hold an electronic election again. **Please make sure that your email address is up-to-date with ACS National.** Paper ballots will be available on request. This summer we will be sending out postcards with the details to those with no ACS email and those with bounced email addresses.

Interested in Working for ACS?

We are drawing up the slate of candidates for the fall 2012 election. Specifically, there are openings for chair-elect, treasurer, directors and councilors. The chair-elect has several responsibilities, including chairing the Section awards and program committees during the first year of the term and running the Section during the second year. The treasurer is mainly responsible for paying the bills and keeping those records. Directors form the governance of the local Section and meet monthly September-June. Councilors represent the Section at ACS National meetings.

If you would like to run, please get in touch with Rick Ewing (william.ewing@bms.com) or Libby Harper (PhilaACS@aol.com or (215) 382-1589).

NEWS ATOMS

Jeffery Guin joins the Chemical Heritage Foundation in the new position of manager of emerging media. He will be responsible for coordinating and expanding media to connect with the Foundation's audiences including interactive projects in the museum and applications for mobile devices. **Jennifer Landry** was promoted to director of the CHF Museum where she will manage staff, exhibitions, programming, and operations.

Ponzy Lu, chair of the undergraduate biochemistry program at the University of Pennsylvania, was appointed director of the Vagelos Scholars program in molecular life sciences in the School of Arts & Sciences. **Andrew Rappe**, professor of chemistry at Penn received the Christian R. and Mary F. Lindback award for distinguished teaching.

Christopher B. Murray, professor in the departments of materials science, engineering, and chemistry at Penn, was named a Materials Research Society fellow for 2012. He was recognized for his pioneering research in the design of nanoparticle-based devices.

At the San Diego National ACS meeting, the Division of Computers in Chemistry hon-

ored several individuals at Penn including **Joseph E. Subotnik** with the outstanding junior faculty award, **Chris MacDermid** with the award for outstanding research by a graduate student in computational chemistry, and **Christopher von Barga**n with the Peter Kollman graduate award in supercomputing.

DEATHS

Peter H.L. Wei, medicinal chemist retired from Wyeth, February 5th at 89. He worked first at Norwich Pharmaceuticals before joining Wyeth in 1960 as a medicinal research chemist. His work focused on the synthesis of heterocyclic compounds for use in antibacterial, antianxiety, hypotensive, and immunological applications. He received over 80 patents and retired from Wyeth in 1987. He was a 57-year member of ACS.

John Fortin, retired chemical supply industry manager, April 20th at 89. In 1957 he joined Quaker Chemical as a salesman and in 1975 he purchased Charles J. Haas Company and turned it into a major chemical supply-chain management firm. He retired in 2000 and sold the business to Jordan Company.

Edward Biddle Clay, Jr., retired chemical engineer, April 20th at 86. During WWII he served in Patton's 3rd Army and was wounded in Luxem-

bourg in 1945. After working briefly for Campbell Soup he joined Smith Kline & French where he became a senior R&D administrator. He retired in 1976 after 27 years of service. After retiring he obtained a degree in art and was an accomplished artist and also an art restorer. He loved singing and was a member of the Orpheus Club where he retired as president.

Edmund J. Bockowski, retired chemist, April 23rd at 74. He worked for Betz Laboratories from 1964 to 1997. He held 10 patents in such areas as acid mine waters, soil fumigation, and corrosion inhibition.

Howard S. Turner, organic chemist and industry executive, April 25th at 100. He joined E.I. DuPont de Nemours and Company in 1936 and worked there as a research chemist until 1947. He then was named director of R&D at Pittsburgh Consolidated Coal where he was employed from 1947 until 1954. Turner then moved to Jones & Laughlin Steel Corporation as vice president of research and development until 1965. From 1965 until 1978 he was president and then chairman of the board of Turner Construction Company, which was started by his uncle in 1902. In 1973 Turner was elected to the National Academy of Engineering.

JUNE MEETING

THE PHILADELPHIA SECTION, AMERICAN CHEMICAL SOCIETY

presents

Tours of the Chemical Heritage Foundation starting at 11:15 AM

Luncheon at 12 NOON

followed by

Ronald Brashear

**Arnold Thackray Director of the Othmer Library
and Director of the Beckman Center**

***Great Chemistry Book Collectors and Their Treasures
in CHF's Othmer Library***

and

Presentation of 2012 Fifty-year Certificates

Thursday, June 21, 2012

The Chemical Heritage Foundation
315 Chestnut Street
Philadelphia, PA 19106

Luncheon cost \$40.00; Students with reservations and ID: \$20.00

RESERVATIONS should be made by calling Mrs. Harper at the Section Office, (215) 382-1589, or emailing PhilaACS@aol.com by 5:00 PM Thursday, June 14th. Cancellations, if necessary, cannot be accepted after NOON on Tuesday, June 19th. UNCANCELLED RESERVATIONS WILL BE BILLED.

PARKING: Parking is available at The Bourse Garage on 4th Street between Chestnut and Market Streets (next to the Ritz Theater), at the garages under Independence Mall between 5th and 6th Streets, and on 2nd Street between Chestnut and Walnut. **Public Transit:** SEPTA suburban trains stop at Market East, a 15-minute walk to the Chemical Heritage Foundation. The Market-Frankford subway has stations on Market Street at both 2nd and 5th Streets. See <http://www.chemheritage.org/about/visit/directions.aspx>

The Board of Directors will meet at 2:00 PM at the Chemical Heritage Foundation.

HONORING OUR 50-YEAR MEMBERS

At our June Section meeting, we honor our 50-year members, presenting them with a certificate and luncheon at the Chemical Heritage Foundation in recognition of their long and faithful service to the Society. Those being honored include the following:

ANDREW BREIDENBACH



I was born in 1936 in Flushing, NY and attended Bayside HS, graduating in 1956.

That year I started Queens College, in Flushing, NY, and graduated with a BS in chemistry in 1961. I worked for a little more than a year for the Lily Tulip Cup Co. in Commack, NY, in their Materials Research Labs.

In 1962 I received a Teaching Assistantship from Purdue University where I obtained a MS in chemistry in 1965. The same year I started teaching chemistry at Rockland Community College. I continued teaching there for 36 years, retiring in 2001 with the rank of Full Professor. During that time I was active in the Rockland County Chemical Society serving on their board and arranging ACS short courses and seminars.

In 1975 I married my wonderful wife Stella. We have one daughter, Katie, who married Carlos. They provided us with two wonderful grandchildren, Victoria and Patrick. We are presently happily retired in Collegeville, PA. Our email is awweimar@msn.com.

DR. JAMES G. CONNERY



Dr. Connery joined the ACS as a Chemistry major at Iona College in New Rochelle, NY.

He continued his education at St. John's University, receiving a PhD in electroanalytical chemistry in 1969. In 1968 he was one of six graduate students in the country to receive the ACS summer fellowship award.

With completion of graduate studies, he joined Leeds and Northrup as a Senior Scientist in their Corporate Research department. Over the years of employment he held a variety of positions in Research, Development and Engineering for analytical and industrial measurement instrumentation. Honeywell International acquired L&N in 1996 and he spent the last 10 years of his career at Honeywell.

He received a total of 12 patents on sensor and instrument designs and published eleven papers on related subjects. He developed a high level of expertise on ion sensitive field effect transistor (ISFET) designs and application for pH

measurement. Since retirement he has consulted for a Honeywell funded research organization in Plymouth, MN and the Monterey Bay Aquarium Research Institute in Moss Landing, CA. Current efforts are aimed at development of a high precision and autonomous pH measurement for deep sea applications. This effort is funded by the National Oceanographic Partnership Program (NOPP).

SR. ANN IMMACULATA GALLAGHER, PhD

Sr. Ann Immaculata Gallagher was born Marie Gallagher in Lansford, PA, June 5, 1931 and after being educated in St. Ann Parochial School entered Immaculata College (now University). She graduated with an AB, magna cum laude, majoring in Chemistry with a minor in Mathematics. Upon entering the religious order, Sisters, Servants of the Immaculate Heart of Mary, (now of Immaculata, PA), she underwent religious training. One year was spent teaching Chemistry and Mathematics at Villa Maria High School, Malvern. Graduate study was next at the University of Notre Dame and upon receiving

a MS in Chemistry, she was appointed Instructor at Immaculata University.

After three years of teaching she returned to the University of Notre Dame where she received her PhD in Organic Chemistry. She was again appointed to the faculty of Immaculata in 1964, and has remained in that department until the present teaching Organic Chemistry and Biochemistry. Sister was also Chair of the Department for a number of years and is currently Emeritus Professor of Chemistry since her retirement in 2001. Her hobbies include reading Mysteries and History of Chemistry.

DR. WILLIAM J. HURLEY



Bill is a Delaware Valley native and graduated from Villanova with a degree in Chemistry and a PhD from Princeton University. After Princeton he joined DuPont as a research chemist at the Experimental Station in Wilmington, DE. Four years later he transferred to DuPont's Parlin, NJ laboratory where he was promoted to Research Supervisor. He then proceeded through a number of promotions and physical relocations, which took him to Rochester, NY, Eindhoven, The Netherlands,

and Columbus, OH. He served as Technical Manager for several businesses, as New Venture Manager, Laboratory Director, Manager, Corporate Technical Planning, and as a Director, Corporate New Business Development. In 1999 he retired and relocated to Annapolis, MD. There he founded Innovatech, LLC, a company that helped companies identify and develop new products to help them grow organically. He also was an active member of the Annapolis Chapter of SCORE.

In 2005 Bill relocated to Kennett Square and was appointed Business Fellow in Villanova's School of Business where he teaches undergraduate and MBA courses in Innovation & Creativity, Strategic Management, Entrepreneurship, and Strategic Management of Technology and Innovation.

Bill has four children and 10 grandchildren and he enjoys boating, biking and traveling.

SANDRA SPITZER McKELVEY

Ms. McKelvey graduated in 1962 from Pennsylvania State University with a BS in chemistry. She earned a MS in Scientific Information Management from Villanova University and a post-MS certificate from Drexel University in Automation of Information Systems. She graduated from

the Barnes Foundation in 2006.

Ms. McKelvey joined Merck & Company, Inc. in 1962, working as a chemist on the team that developed the diuretics ethacrynic acid and amiloride. She was promoted to Senior Information Chemist, Scientific Information Management Coordinator, Editor of *NEWSLINE*, and the Merck Index Coordinator with electronic media vendors during a 32-year career with Merck & Co., Inc. She had the opportunity for an early retirement in 1993.

Now in the 19th year of her retirement, she has studied yoga and Qigong; volunteered with the Abington Free Library Literacy Program teaching English as a Second Language (ESL) and introducing the first computers to the program; served as a guide at Font Hill, the home of Henry Chapman Mercer; is a docent at the James A. Michener Museum; and serves on the Board of the Cheltenham Township Adult School, including chairing the travel program. She has traveled the world over the last 60 years, spending time in India this year and scheduled to be in Madeira and South Africa in 2013.

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DR. PATRICK J. McNULTY

Dr. McNulty joined the ACS after graduation from the Pennsylvania State College with a BS in Chemistry in 1951. Afterwards he joined the Research Division of Rohm and Haas Company in Bridesburg, Philadelphia, PA. After two years in research he left Rohm and Haas to attend graduate studies at Vanderbilt University.

He graduated with a PhD in Chemistry from Vanderbilt in 1957 and returned to Rohm and Haas Company in Bristol, PA. After 10 years of research work in Bristol he spent 10 more years of research work in Spring House, PA, after which he transferred to the Rohm and Haas Office in Philadelphia. There he took charge of various projects around the world until he retired after 38 years of service.

After retiring from Rohm and Haas, Dr. McNulty was requested by the University of Pennsylvania to teach in its Graduate School to students from all over the world. He did so for 12 years. After discontinuing teaching at Penn he became active again in the ACS and continues his membership today.

DR. MICHAEL J. MICKLUS



I received a BS in Chemistry from Rutgers University, New Brunswick, NJ in 1961.

After working several years (American Cyanamid and West Point Military Academy), I enrolled in the Chemistry PhD Program at the University of Miami, Coral Gables, FL. I received my PhD in Physical Organic Chemistry in 1971. After graduate school, I did post-doctoral research in Boston, MA at Beth Israel Hospital, Harvard Medical School (identifying possible toxins in body fluids of uremic patients) and at the School of Pharmacy, University of the Pacific in Stockton, CA (synthesizing potential narcotic antagonists).

My professional career interests include drug delivery, medical polymers, and medical devices. As a Senior Chemist at Biosearch Medical Products, Inc., I was instrumental in the development of Hydromer[®], a patented hydrogel coating for medical devices, which has been successfully marketed for over 30 years by Hydromer, Inc. I also worked for Extracorporeal Medical Devices, Inc. (a Johnson & Johnson company) and Wyeth (an American Home Products Company).

Additionally, I investigated the possibility of using liposomes as vehicles for drug delivery through the Blood-Brain-Barrier to the brain at the Laboratory of Neurosciences, NIA, NIH, Bethesda, MD. In 1991, I received an MS Degree in Materials Science and Engineering from Drexel University. I was also employed as an adjunct faculty member in the Chemistry Department of Villanova University and remained affiliated with Drexel University, where I worked with graduate students as a Visiting Research Associate in the Materials Science and Engineering Department.

I enjoy salt water fishing, gardening, and keeping physically fit. I am a member of the Chemical Consultants Network and have an interest in working part time as a chemical consultant and educator.

DR. ROBERT J. STATZ



Dr. Robert J. Statz received his PhD from the University of Maryland in 1968 where he

studied under the noted polymer chemist William J. Bailey. Upon graduation Robert accepted a position with the DuPont Company at the Experimental Station in Delaware. Robert spent most of his career in research on Ethylene Copolymers, a wonder-

ful platform for developing new materials for a multitude of applications. The resulting developments led to 37 US Patents in such diverse fields as permanent plasticizers for PVC, new ionomers which improved golf balls so that professional golfers would play with ionomer coated solid golf balls, a new ionomer which allowed golf balls to go further (important for the average golfer, i.e., duffer), and a new thermoplastic elastomer (Alcryn) which is a partially cross-linked blend of a miscible polymer pair. In addition, Dr. Statz developed new impact modifiers for plastics, sound deadening membranes, and many other developments that were never commercialized.

One of Robert's more important inventions (developed with Joe Goodrich, a well respected asphalt chemist at Chevron) was a new modifier for asphalt (Elvaloy AM) which gave improved durability to asphalt paved roads. This copolymer has found acceptance in many states and foreign countries where polymer modification has given roads resistance to moisture (reduction of pothole formation), rutting and fatigue cracking.

Another invention was the development of a new iono-

meric material (Surlyn HPF), which is used in the cores of golf balls. This thermoplastic material is more resilient than cis-1,4-polybutadiene rubber (the incumbent material) when formulated into two- and three-piece solid golf balls.

Dr. Statz has continued his career after retiring from DuPont as a consultant for many industries.

Robert's work in the one branch of the polymer industry illustrates how chemistry and a little imagination combined with the interaction of knowledgeable scientists and engineers can develop new products using old platforms.

It shows indeed that **Chemistry is the practice of Magic**, a phrase contained in a DuPont television ad of the 1990s.

KEIICHI TANABE



In 1951 after graduating from Gifu College of Pharmacy (Gifu, Japan), I started working at Maruko Pharmaceutical Company (Nagoya, Japan) as a quality control chemist. Later, I was transferred to the company's research department. From 1960 to 1965, I worked at the faculty of pharmaceutical science of Nagoya City University (Nagoya, Japan) for the company's research work.

In 1965, the university sent me to join the chemical research group of the Research Institute of Temple University (RITU, Philadelphia) where I worked for an NIMH project. From 1967, I was working for a contract from Walter Reed Army Medical Center to syntheses of potential antiparasitic agent. Under our excellent director, Edward Nodiff, we were one of the best contractors, and we made great contributions to the Army project.

After the Army decided to end the project in 1990, I got a position at DuPont Pharmaceutical Company (Wilmington, DE) and until 2001 I worked there.

Now I'm enjoying my hobbies, bird watching, bird carving, gardening and golf.

DR. CHANDRAKANT THANAWALLA



Chan Thanawalla is a proprietor of TSCA Inventory Services LLC that helps manufacturers register their new chemicals with the EPA prior to the chemicals' manufacture in the US.

Born in Mumbai, India, Chan received a BS and MS from Bombay University and a PhD in Organic Chemistry from Wayne State University in Detroit, MI.

Following graduation, Chan worked at Ash Stevens Inc. and then accepted a Senior Research Chemist position with Pennwalt Corporation. After working on projects ranging from syntheses of novel materials to coatings to medical device development at Pennwalt, Chan joined Sartomer as a Manager of R&D. When ARCO acquired Sartomer, Chan Thanawalla continued R&D on Sartomer's product line as a Project Leader. In 1987, he joined DuPont where he worked on coatings for electronic imaging. After DuPont formed DXImaging, a JV with Xerox, Chan accepted a Senior Research Specialist position with Dow Corning, where he worked on ensuring TSCA compliance of company products. In 2000, he retired and authored a book on *Complying with TSCA Inventory Requirements*.

Chan Thanawalla lives with his wife, Indira in Coatesville, PA. Both Chan and Indira enjoy reading, playing bridge, and the camaraderie of their daughter, Sandhya and their son-in-law, Chris.

DAVID V. WISLER



David Wisler graduated from Springfield High School and holds a BS from the University of

Virginia (1962). For two years following college, he was a control chemist for the former Continental Distilling Corp. (Publiker), a maker of alcoholic beverages in South Philadelphia and Lemont, IL, where he conducted GLC studies in the distillery.

David was employed for 18 years by the former ESB, Inc. (Exide, Ray-O-Vac) battery research centers in Yardley, PA, during which time he examined numerous and various batteries, performed XRD studies, and identified industry materials. His work focused on the electron microscope and analytical lab, and battery development. He recalls observing some explosions while working with lithium metals. David jointly authored several publications in the *Electrochemical Society Journal*.

As a night shift control chemist for Johnson Matthey, Inc., in West Deptford, NJ, he worked with precious metals, some rare earth pharmaceuticals, catalysts, and fine chemicals. He worked on method development, and retired recently after 25 years of service.

Mr. Wisler has a son and a daughter, and his favorite hobby is nurturing his three adult granddaughters. He enjoys spending his spare time playing live contract bridge on the internet.

DR. JOHN F. WÓJCİK



Dr. Wójcik was born in Ashley, PA, graduated from Marymount High School and then received a BS in Chemistry from King's College in Wilkes-Barre, PA. A week after graduation, and two weeks after her graduation from Marywood in Scranton, he married Joan Linkwich and moved to Ithaca, NY to start a family and earn a PhD in Physical Chemistry at Cornell under Franklin A. Long in 1965. The young couple moved with their first three children to Western PA to teach for one year at St. Francis College of PA followed by another move and 40 years of teaching at Villanova and 3 more children.

While at Villanova he directed the thesis work of several masters and PhD students and published about a dozen papers. He served as Chairman of the Department for four years during which time he eased it through the demise of the doctoral program. That tour of duty being completed he returned to the classroom and wrote an in-house Physical Chemistry lab manual.

Dr. Wójcik currently resides in Berwyn with his wife of 52 years and, with her, enjoys bird watching and weekend trips to the Finger Lakes.

DR. LAURA L. ZAIKA



Dr. Zaika first became interested in chemistry while taking a chemistry course in high school. She studied at Drexel Institute of Technology, receiving a BS in chemistry in 1960. She continued her studies on a teaching assistantship at the University of Pennsylvania, receiving a PhD in organic chemistry in 1964. Upon graduation, she obtained a job as a research chemist at the US Department of Agriculture, Eastern Regional Research Center in Wyndmoor, PA. There she worked on a variety of projects involving food-related chemistry and microbiology until her retirement in 2001.

Professional activities included involvement with AOAC International, where she served on a number of committees and was elected Fellow of AOAC International. She also served as a reviewer for several scientific journals.

Besides chemistry, her interests include skiing, travel, opera, early music, gardening and making jewelry. A trip to Central America initiated her interest in Precolumbian cultures, particularly Mayan.

DR. MURRAY ZANGER



Even though I am officially retired I still love chemistry and teaching! In fact, the only career ambition I ever had was to become a chemist. I attended Stuyvesant High School and CCNY and then spent two years in the Army Medical Corps in Washington, DC.

After being discharged I went to the University of Kansas and received my PhD in organic chemistry in 1959. This led to a post-doc at the University of Wisconsin. Academia didn't beckon so I opted for four years as a research chemist at DuPont's Marshall Laboratory. In 1964 I was offered a position at the University of the Sciences (formerly P.C.P.S.) and reluctantly retired after 38 years. I still maintain a lab at USciences and work with students. My research has spanned several areas but currently involves the syntheses of potential drugs active against HIV.

When not in the lab I love hiking and traveling, both of which I participate in with the companionship of my wife Marcia – happily married for 49 years.

Section Members also Celebrating 50 Years

Jane A. Barth, Dr. David H. Berkebile, Frank A. Capotosto, Jr., Frank Gustav Klein, James L. Kotch, John W. Larsen, Dr. Kenneth W. Lau, Dr. Sally W. Mallory, Algie L. Manuel, Jaydee W. Miller, Dr. Samuel M. Mozersky, Gary L. Statton, Anthony J. Tursi, Dr. Norman P. Willett, and Donald P. Winter.

Section Members Celebrating 60 Years

Dr. Thomas Charles Bissot, Dr. Helen Jean Davies, Dr. Wayne E. Feely, Dr. James Joseph Harris, Dr. George C.S. Inglessis, Roger F. Jones, Dr. Paul L. Kronick, Dr. George W. Kurtz, Dr. Carl Edward Lorenz, Dr. Richard J. Neddenriep, Nelson E. Ockerbloom, Dr. Robert L. Pollack, Hirsh S. Segal, Dr. Charles R. Smoot, and Alfred A. Wolsky.

THOUGHTS TO PONDER

Too often we enjoy the comfort of an opinion without the discomfort of thought. —John F. Kennedy

Prejudice, not being founded on reason, cannot be removed by argument. —Samuel Johnson

ACS PHILADELPHIA SECTION

SUBURBAN SUMMER NETWORKING EVENT

Tuesday, June 19, 2012

6:00 PM to 8:00 PM

**Houlihan's
601 West Germantown Pike
Plymouth Meeting, PA 19462**

Come and network with your fellow ACS members at our popular and growing series of networking events around the Greater Philadelphia Area! At this informal and easy-going event, you may be surprised at what you'll discover and how you can help others, too. Please join us!

Free to all ACS members from all regions.

To register for this event and for further information, please visit:

<http://acsphillynetworkingevent3.eventbrite.com>

Houlihan's is located on Germantown Pike in Plymouth Meeting, PA, directly across the street from the Plymouth Meeting Mall. It is readily accessible from I-276 (the Pennsylvania Turnpike) and I-476 (the "Blue Route" or the "Northeast Extension"). Plenty of free parking is available at Houlihan's.

**Philadelphia Section, American Chemical Society,
Award for Excellence in Pre-College Teaching and
Award for Excellence in Undergraduate Teaching in
Chemical Sciences**

At the May 17th meeting J.P. Northrop (left), Philadelphia Section Awards Committee Chair and Dr. Rick Ewing (right), Philadelphia Section Chair, presented the Award for Excellence in Undergraduate Teaching to Dr. Linda M. Mascavage, Associate Professor, Arcadia University and Adjunct Research Associate of Chemistry, Temple University, and the Award for Excellence in Pre-College Teaching to Dr. Scott A. Best, Science Department Chair, Conestoga High School.



The Philadelphia Section of the
ACS has taken to the social
media airwaves

Follow us on Twitter
@PhilaACS



@PhilaACS

Following or directly contacting the Philadelphia Section through Twitter and other social media outlets allows you to stay up to date on upcoming news and events relevant to chemists in the Philadelphia region. Join the next generation of communication!

Philadelphia Section ACS Group on LinkedIn

As many members of ACS are already aware, the website LinkedIn (<http://www.linkedin.com>) is an excellent networking site dedicated to keeping working professionals in touch with one another. As a result, and in an effort to assist in any way that we can, the Philadelphia Section of the ACS has established a group open for all to join. Within this group, discussions can be facilitated as well as the opportunity for new jobs and internships to be posted.

If you already have a profile in LinkedIn, feel free to go to the Groups Section and search for "American Chemical Society - Philadelphia Section." Send a message to the group administrator to become a member. If you are not already on LinkedIn, we highly recommend that you join. Establishing an account is free and easy to set up. For additional information or assistance, please feel free to contact J.P. Northrop, Liaison Committee, at john.northrop@anton-paar.com

To join, please click on the following link:

<http://www.linkedin.com/groups?mostPopular=&gid=3366988>

AUGUST NATIONAL MEETING

As many of you already know, the Fall National Meeting of the ACS will be held in Philadelphia this August 19-23. The Section will need volunteers to help out with this event, particularly to staff the hospitality booth. Please send an email to PhilaACS@aol.com or call the Section Office at (215) 382-1589 if you would like to participate.

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SCHOLASTIC ACHIEVEMENT AWARD WINNERS, 2012

Arcadia University		Sanket B. Patel
Bryn Mawr		Meredith Skiba
Chestnut Hill College		Nichole Brown
Delaware Valley College		Theresa Sosienski
Drexel University (Chemistry)		Paul R. DeGregory
Drexel University (Chemical Engineering)		Tyler J. Perlenfein
Eastern University		Catherine Ruth
Haverford College		Jacob Olshansky
Immaculata College		Raymond Siolek
La Salle University		Nicole M. Schiavone
Lincoln University		Theresa Akede
Philadelphia University		Tyler Fleming
Rutgers, The State University		Julie T. Skolnik
St. Joseph's University		Andrea Fritz
Swarthmore College		John Michael Nicoludis
Temple University		Nicole Haloupek
University of Pennsylvania (Chemistry)		Alexander Sun Joshua Infantine
University of Pennsylvania (Chemical and Biomolecular Engineering)		Brian E. Leone
University of the Sciences in Philadelphia	Chemistry: Biochemistry:	Hui Yan Cheng Hope Ferguson
Ursinus College		Susan Butch Emma Cave
Villanova University (Chemistry)		Kathryn A. Johnston
Villanova University (Chemical Engineering)		Francis Anuszewski
West Chester University	Chemistry: Biochemistry:	Patrick Melvin Benjamin Rupert Cassandra Callmann
Widener University (Chemistry)		Anna Miller
Widener University (Chemical Engineering)		David Santangelo

SCHOLASTIC ACHIEVEMENT AWARD WINNERS AT THE APRIL MEETING

First row, from the left: Paul DeGregory, Sanket Patel, Raymond Siolek, Tyler Fleming, Jacob Olshansky and Tyler Perlenfein. Rear: Catherine Ruth, Susan Butch, Emma Cave, Julie Skolnik, Nicole Haloupek, Meredith Skiba, Andrea Fritz, Nicole Schiavone, Theresa Sosienski, Hiu Yan Cheng, Hope Ferguson.



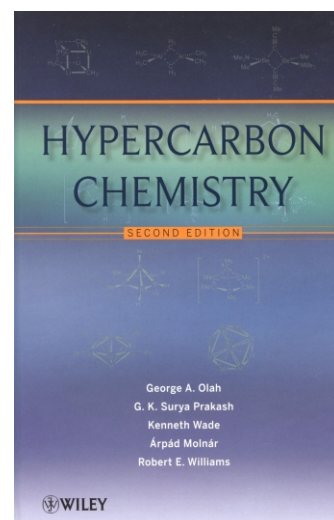
BOOK REVIEW—Alan Warren

Hypercarbon Chemistry, second edition, by George A. Olah et al. 474 pages, 6¼ by 9½ inches, hardbound, John Wiley and Sons, Hoboken, N.J., 2011. ISBN 978-0-470-93568-2, \$125 from John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

The focus of this book is on the treatment of the chemistry of hydrocarbons towards electrophiles by examining the chemistry involved in hydrocarbon transformations, the reaction chemistry of carboranes and mixed hydrides. Despite carbon's tetravalency, it can still bond simultaneously to five or more other atoms. These are hypercoordinated atoms or hypercarbon atoms, and constitute a significant feature of organometallic, carborane, and carbide chemistry.

The first chapter defines terms as they are used in this text, like coordination number, valence, and “coordinatively unsaturated.” A chapter on carbon-bridged metal alkyls discusses metal-carbon bonding in organoaluminum, organolithium, organocopper (silver, gold) compounds as well as other electropositive metals. Ensuing chapters discuss carboranes and metallocarboranes, mixed metal-carbon clusters and metal carbides, hypercoordinate carbocations and their borane analogs, and reactions involving hypercarbon intermediates or transition states in organic and organometallic reactions.

The book updates and expands the original 1987 edition. Hypercarbon compounds are an integral part of carbon chemistry and hydrocarbon chemistry, particularly the chemistry of methanes, alkanes, and carbon dioxide to produce essential fuels and feedstocks.



638th BOARD OF DIRECTORS' MEETING
Thursday, March 15, 2012
Department of Chemistry, University of Pennsylvania
Philadelphia

Present: R. Ewing, D. Cichowicz, M. Cichowicz, D. Cook, E. Davis, S. Fleming, D. Hausner, K. Lysko, C. Palmer, K. Shaginaw, W. Smith, T. Straub, J. Summers-Gates, D. Thomas, J. Tierney, M. Tunick, D. Wolf.

Excused: A. DeMasi, J.P. Northrop, V. Tortorelli.

Also: C.J. Bruner, S. Burcham, J. Crawford, E. Harper, A. Heldon, K. Lammers, O. Komova, J. Martino and W. Rice.

The meeting was called to order by Chair Ewing at 4:00 PM. The minutes of the February meeting were approved (T. Straub motion, J. Summers-Gates second).

COMMITTEE REPORTS:

A. Career Services: J. Martino

There are the following corrections to the February minutes under Career Services:

“YCC: Top Priority this year.” Both YCC and Career Services are top priorities as discussed by the Board of Directors.

“3 core members, 2 advisory.” Career Services is now structured as a 3 core member, 2 advisory member committee. P. Fishbein, B. Tsuie and I are the core members; C. Hamilton of the Life Science Career Alliance and J.P. Northrop are the advisory members.

“Paul Fishbein and Tsuie will coordinate.” P. Fishbein is coordinating efforts to construct a concept statement to define the Career Services Committee. B. Tsuie is not, although all committee members are participating in the process.

J.P. Northrop, not P. Fishbein, submitted the Career Services Committee activities in 2011 for a CHEMLUMINARY award.

The February 29 Leap Day networking event was a success with 30 participating. A Survey-Monkey survey was very positive, especially concerning the informal nature of the event. The next networking event is June 19 at Houlihan's in Plymouth Meeting. It will use eventbrite for sign up and it will also be in *the Catalyst*. The May 17 workshop will also use eventbrite. It will be at the La Salle center in Plymouth Meeting. J.P. Northrop and J. Martino and others will be speakers. The next meeting of the Committee will be tomorrow (March 16) for future planning.

B. Younger Chemists Committee: K. Lammers

On March 22 there will be a YCC happy hour at the Field House in Philadelphia. The YCC is planning an event at Dave and Buster's on August 20 during the National Meeting. It will need some underwriting, using National funds first, Section funds second. They have submitted a proposal for an Innovative Project Grant from National for a career symposium at the fall National Meeting. They should hear by June. The Poster Session had a large number submitted so 20 prizes were awarded, 10 graduate, 7 undergrad and 3 high school. A. Addison and S. Haynie both donated prize money. At the November meeting the program should be reviewed.

OFFICERS' REPORTS:

A. Chair R. Ewing

A. Heldon and others are preparing a letter to be sent to Governor Corbett concerning the defunding of the Delaware Valley Science Council, and the Governor's School for the past two years. He wants to send about 150 letters to legislators, concerning STEM education. Heldon will be going to Harrisburg in June to discuss this. R. Ewing and S. Burcham will use their contacts to further this. S. Fleming asked for the source of the data in the letter. It may be [www.aboutastra](http://www.aboutastra.com) or just *astra* – A. Heldon will forward to the Section Office to be forwarded to the Board.

The Science Festival: J. Tierney will do last year's activity. He needs about 150 handouts from J. Summers-Gates. W. Smith will participate again and the YCC has sign up sheets.

April 12 is Heritage Day at the Chemical Heritage Foundation (CHF); registration is required by March 30. R. Ewing will forward the info to the Section Office to be forwarded to the Board. T. Tritton of CHF is the tentative speaker for the April meeting. The May meeting will have brief talks by the teacher awardees. For the June meeting R. Ewing is considering CHF – any suggestions for speakers?

B. Secretary D. Wolf: no report.

C. Treasurer D. Cichowicz

The Section has received \$500 seed money for the National Meeting from National. We are still waiting for the eventbrite receipts for the February meeting. The treasurer's report was approved.

OTHER BUSINESS:

A. S. Burcham reported on the planned Chemistry and the Law Division program at the fall National Meeting. It will be an August 20 all day symposium on the Innocence Project. They would like help publicizing it – put it in *the Catalyst*, LinkedIn, and Twitter. There will be a reception at CHF from 5-7 PM. The location of the symposium is still to be determined. S. Burcham will forward an advertisement for it to the Section Office for distribution to J. Martino and K. Lammers. Andy Gay, Esq., was suggested as a possible source of funding.

B. Women Chemists Committee

K. Shaginaw is asking for volunteers for the PAGES™ program on April 21.

C. Chemical Education

D. Cook reported that the new guidelines for chemical education are almost final.

D. Council Affairs

J. Crawford will have a report on the March Council meeting in April.

The meeting was adjourned. Respectfully submitted, E. Harper acting as Secretary.

**639TH Board of Directors Meeting
Thursday, April 19, 2012
McCall Meeting and Conference Center
Highland Park, PA 19083**

Present: D. Cichowicz, M. Cichowicz, E. Davis, S. Fleming, A. Heldon, K. Lysko, J.P. Northrop, C. Palmer, W. Smith, T. Straub, J. Summers-Gates, D. Thomas, V. Tortorelli, M. Tunick.

Excused: D. Cook, A. DeMasi, R. Ewing, D. Hausner, K. Shaginaw, J. Tierney.

Also: C. J. Bruner, J. Crawford, E. Harper, S. Haynie, K. Lammers, J. Martino.

The meeting was called to order by J.P. Northrop at 4:00 PM. Approval of the minutes of the March meeting was deferred until a draft is received.

COMMITTEE REPORTS:

A. Career Services:

J. Martino reported on the May 17 Networking Workshop the committee is sponsoring. Rick Tashman will give the overview; J.P. Northrop will discuss techniques for chemists, Charlene Holzendorff of Right Management branding and marketing, J. Martino job clubs and ACS benefits. Lunch will be provided.

The next networking event will be June 19 at Houlihan's in Plymouth Meeting.

B. Younger Chemists:

K. Lammers reported that the national YCC has received an innovative project grant of \$2250 from National ACS for their career symposium on August 21.

They have 5 people going to the ACS booth at the science carnival on April 21. The Franklin Institute is hosting a career event that afternoon. The local YCC will sponsor a ticketed event at Dave and Busters during the August National Meeting; the national YCC is helping out with this event.

OFFICERS' REPORTS:

A. Chair-elect Northrop

Northrop made a motion that the high school teaching award go to Scott A. Best of Conestoga High School and the undergraduate teaching award to Linda Mascavage of Arcadia University. Motion passed. Volunteers are needed for an August national meeting planning committee. A. DeMasi, M. Cichowicz, S. Haynie, E. Davis and J. Crawford volunteered. It was mentioned that we can get Mummies again to open the Council meeting, if we want to.

B. Secretary Heldon: – no report

C. Treasurer Cichowicz:

Our allotment and the second half of the 2011 dues have been received; we will probably receive the January-June 2012 dues in October. The social committee budget is all right; there is money to be deposited to that account and a deposit for tonight's meeting is already charged

to it. The investment accounts are doing all right and our general finances are in good shape. A motion, made and seconded, to approve the treasurer's report was passed unanimously.

OTHER BUSINESS:

A. Education Committee:

T. Straub reported that the Chemistry Olympiad exam will take place on Saturday, April 21, at La Salle.

B. Council Affairs:

J. Crawford reported on the Council meeting in San Diego March 25; he included Section member participation on National committees and asked if any of the Section officers were serving on any committees.

C. Government Affairs:

A. Heldon reported that PA GALA will host a workshop at the National Meeting on how to see legislators to discuss chemistry and chemical education. Separately, OPA (ACS – National) will hold a social event at the national meeting.

The committee has sent letters to approximately 100 Pennsylvania senators and representatives expressing ACS concern over the proposed cuts to the education budget. It was asked if we could send another letter about the defunding of the Science in Motion program. V. Tortorelli is going to Harrisburg about this in May. The Board would need to approve such a letter before it is sent. Heldon plans to send the SIM letter in May and requested postage. A motion to approve the postage was approved with two abstentions.

D. Women Chemists Committee:

E. Harper reported for K. Shaginaw that there is a PAGES™ program this Saturday (April 21). Dr. Lisa Laffend of DuPont will be the keynote speaker. Plenty of girls and volunteers are signed up for the event. The PAGES™ dates for the next academic year are November 3, 2012 and March 23, 2013.

E. Merck Indexes:

E. Harper reported that the Section has received two thank-you notes from students who received Merck Indexes from us at Montgomery County Science Fairs. One donated it to his school chemistry department.

V. Tortorelli motioned to adjourn the meeting; A. Heldon seconded. Meeting adjourned at 4:50 PM.

Respectfully submitted,
Alan Heldon, Secretary
and E. Harper acting as Secretary

SEE THE SIGHTS OF PHILADELPHIA WITH YCC'S FUN RUN!



**MONDAY 7:00AM
AUGUST 20, 2012**

Don't end up stuck inside the convention center for the whole conference! Come join us for some exercise, a tour of the city, and a great networking opportunity.

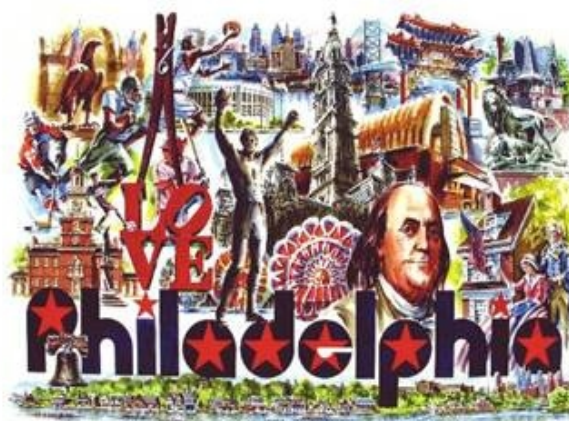
A professional guide will lead you on a 3.5 or 5 mile run through Philadelphia's tree-lined Fairmount neighborhood as you pass the Rodin Museum, the Barnes collection and the famed Philadelphia Museum of Art. Run to the top of the "Rocky steps" and get a spectacular view of the city. Catch a glimpse of rowers gliding down the Schuylkill River and enjoy one of Philadelphia's most popular running trails. You'll also have a chance to run through downtown Philadelphia's most popular restaurant and shopping neighborhood.

Buy tickets through meeting registration or through <http://ycc.sites.acs.org>

Meeting place for the run: Convention Center.

Pick either 3 miles or 5 miles at
the running
pace that's right for you:
12-14 min/mile or 9-11
min/mile.

Cost: \$30
\$20 for first 20 students
includes guided run, water, and
souvenir bag





CHEMICAL CONSULTANTS NETWORK JUNE 13, 2012 MEETING

[Visit our website at www.chemconsultants.org](http://www.chemconsultants.org)

Date: Wednesday, June 13, at the Cynwyd Club, Bala Cynwyd, PA

Time: Networking, 5:30 PM; Buffet, 6:15 PM; Forum and Business Session, 7:30 PM

ANNUAL OPEN FORUM

AL FRESCO BUFFET

SPOUSES WELCOME!!!

Program: As in the past, we will informally exchange questions and experiences relating to our activities as independent chemical consultants or our interest in becoming consultants. This gathering has been one of our most popular and enjoyable events, so don't miss it!

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. From I-76, drive S on City Line Ave. (US Rte. 1). Turn right on Conshohocken State Rd. (Rte. 23); stay in right lane. After second light watch for white left-turn arrows painted on street (about 0.14 mile). Do not follow Rte. 23 left at turn but instead go straight ahead onto Llandrillo Rd. (passing to the right of Valley Press printing). After one block bear left onto Trevor Lane at stop sign. Clubhouse and parking are on the left. Please park in lot if space is available; otherwise park on Trevor Lane. If lost, call the club at 610-667-4524, ext. 2.

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at (215) 382-1589 (leave message on voicemail if necessary). Fee, including food and beverages (wine, beer & sodas), is \$25 or \$40 per couple by the deadline, Thursday, June 7th, \$35 afterwards. Late reservations and walk-ins subject to availability. No-shows will be invoiced. Please advise of any special food requirements. There is no charge for talk only; registration is suggested using contact information above.

COUNCIL REPORT FROM THE SAN DIEGO NATIONAL MEETING

At the ACS Council meeting on Wednesday, March 28, 2012 in San Diego, CA, Council selected Thomas J. Barton and Luis A. Echegoyen as candidates for 2013 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National election. Candidates were also selected for District I and District V fall election for the Board of Directors for the term 2013-2015. In addition, Carol A. Duane, Valerie J. Kuck, Helen (Bonnie) A. Lawlor and Ingrid Montes were announced as candidates for a fall election of two Directors-at-Large for a 2013-2015 term.

During the Council meeting, the following activities occurred:

Council reviewed a report of the Society's finances and reports on member statistics, attendance at the spring national meeting, a briefing on the ACS vs. Leadscope litigation, and reports from the Society's

Presidential succession, Board of Directors, Board Committees, Executive Director and several other ACS Committees.

- Council voted to continue the Committee on Project SEED as part of a regular performance review.
- Council voted to set member dues for 2013 using an inflation-adjusted formula at the fully escalated rate of \$151.
- Council voted to approve an updated version of the Chemical Professional's Code of Conduct.
- Council voted to approve two amendments (petitions) to the ACS Constitution and Bylaws including to amend the recorded vote request procedure and to adopt guidelines on market data collection.
- Council also received two petitions for consideration that will be brought up for action during the fall Coun-

cil meeting: the Petition on Candidate Comment in *C&EN* (which seeks to restrict candidates for election to the Board of Directors from publishing comments in *C&EN* for a six-month period prior to the mailing of the election ballot) and the Petition on International Chemical Sciences Chapter Funds (which seeks to clarify that the Board of Directors may allocate funds to international chapters for specific purposes).

- ACS President Bassam Shakhshiri presented and moderated a discussion on "What is your reaction to the proposed topics for the ACS Climate Science Toolkit?" The preliminary web-based toolkit is being developed by President Shakhshiri's working group on ACS Climate Science as a resource for understanding and communicating basic climate science.

PHOTOS FROM THE SAN DIEGO NATIONAL MEETING



Tony Addison and former Section Chair David Katz in San Diego.



Section Councilors Judith Currano (left) and Anne DeMasi with ACS President Bassam Shakhshiri.



Section Councilors Marge Matthews (left) and Melissa Cichowicz with former councilor Sharon Haynie (right).

June Historical Events in Chemistry Leopold May

June 2, 1787

Two hundred and twenty-five years ago, Nils G. Sefstrom was born on this date. He is one of the discoverers of vanadium (V, 23) in 1830.

June 3, 1960

Robert B. Woodward synthesized chlorophyll on this date.

June 5, 1951

The first paper on gas-chromatography (GC), gas-liquid partition chromatography: the separation and micro-estimation of volatile fatty acids from formic acid to dodecanoic acid, by A.T. James and A.J.P. Martin was received on this date in 1951 and was published in *Biochem. J.* **1953**, 50, 679-690.

June 8, 1916

Fifty years ago in 1962, Francis H.C. Crick shared the Nobel Prize in Physiology or Medicine with James D. Watson and M.H.F. Wilkins for their

discoveries concerning the molecular structure of nucleic acids and its significance for information transfer in living material. He was born on this date and was a researcher on the double helix structure of the deoxyribonucleic acid (DNA) molecule.

- June 9, 1862 Fifty years ago, Herbert B. Baker was born. He was a researcher on effect of water on chemical change and an authority on desiccating and poison gases.
- June 10, 1906 Regina Schoental, who was born on this date, was a researcher on toxic pyrrolizidine (Senado), alkaloids, fusarial mycotoxins, zearalenone, the trichothecenes, and other carcinogenic metabolites of *Fusarium* and other microfungi, estrogenic mycotoxins on the development of cancers and behavioral disorders, nitroso compounds from action of the oral and anorectal microflora, and on the activation of human immuno deficiency virus.
- June 14, 1862 One hundred and fifty years ago, Johann Ulrich Nef was born on this date. He discovered the valence of carbon and did research on free radicals and transition state in organic reactions. He is known as “Father of Physical Organic Chemistry.”
- June 15, 1755 Antoine François de Fourcroy, who was born on this date, developed chemical nomenclature with Lavoisier and Berthollet. He described salts such as calcium chloride.
- June 18, 1906 Maria Goeppert Mayer, who developed the shell model of the nucleus and did research in isotopes effect, was born on this day. She shared the Nobel Prize in Physics in 1963 with J.H.D. Jensen for discoveries concerning nuclear shell structure and Eugene Paul Wigner for his contributions to the theory of the atomic nucleus and the elementary particles, particularly through the discovery and application of fundamental symmetry principles.
- June 20, 1931 Mary L. Good is a researcher in inorganic chemistry and industrial chemist. She served as President of ACS and was born on this day.
- June 22, 1903 Harry Julius Emeléus, a researcher in inorganic chemistry and fluorine chemistry, was born on this date.
- June 25, 1812 Two hundred years ago, Hermann von Fehling was born on this date. He discovered Fehling’s solution as an oxidizing agent and as an analytical reagent for aldehydes and sugars and prepared phenyl cyanide. The composition of paraldehyde and metaldehyde was determined by him.
- June 28, 1873 One hundred years ago, Alexis Carrel was awarded the Nobel Prize in Physiology or Medicine in recognition of his work on vascular suture and the transplantation of blood-vessels and organs. He was born on this date and did research on suturing blood vessels in organ transplants.
- June 30, 1926 Paul Berg, researcher in recombinant deoxyribonucleic acid (DNA) was born on this date. He shared the Nobel Prize in Chemistry in 1980 for his fundamental studies of the biochemistry of nucleic acids, with particular regard to recombinant-DNA with Walter Gilbert and Frederick Sanger for their contributions concerning the determination of base sequences in nucleic acids.

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Featured Events – June 2012

Startup Support – Who Provides What and at What Terms or Qualifications

Thursday, June 7, 2012 | 2pm-3pm EST



You need lab space, employees, a sales team, legal advice, and business strategists. Oh yeah... you needed them yesterday. Learn what resources, other than funding are needed by and available to help entrepreneurs.

Speakers: Dean Chang, University of Maryland and Gus Weber, Polaris Venture Partners.



Green Chemistry and Global Access to Medicines in Developing Countries

Thursday, June 14, 2012 | 2pm-3pm EST



In some parts of the world, treatable diseases still take many lives. Even though a vaccine may exist, access to medical care is limited. Curious to learn how green chemistry can positively impact public policy and improve global health? Join Dr. Joseph Fortunak, as he discusses sustainable medicine and how different organizations are working to help everyone gain access to treatments they need.

Speaker: Joseph Fortunak, Howard University

The Kitchen as Laboratory: Reflections on the Science of Food and Cooking

Thursday, June 21, 2012 | 2pm-3pm EST



They say that you shouldn't take your work home with you, but in this case, we have to disagree. "Eating is a multisensory experience, yet chefs and scientists have only recently begun to deconstruct food's components, setting the stage for science-based cooking..."

Trade your lab coat for an apron and bring your skills from the bench to the kitchen table with Cesar Vega, author of *The Kitchen as Laboratory*, for a helping of gastronomic chemistry that is downright delicious!

Speaker: Cesar Vega, Mars Botanical

Flash, Sound, and Smoke – Advanced Fireworks - The Sequel

Thursday, June 28, 2012 | 2pm-3pm EST



What's more exciting than watching fireworks explode in a bright cacophony of colour after being launched hundreds of feet in to the air? Learning about the chemical process that makes it happen of course! Join our speaker, Chris Mocella as he directs our eyes to the skies and explains the chemistry that has been used to impress spectators and scare dogs for over a thousand years.

Speaker: Chris Mocella, U.S. Customs and Border Protection Laboratories

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The Chemistry and the Law Division of the ACS discusses how Forensic Science can play a tragic role in convicting innocent people of crimes and sentencing them to prison and even death. We will discuss the effects on peoples lives and talk about what needs to happen to strengthen forensic science as we move forward.

SPEAKERS



**BARRY SCHECK,
ESQ.**

Law Professor and Co-founder of the Innocence Project will be speaking about strengthening forensic science and the work of the Innocence Project.



**FREDERIC WHITEHURST,
PH.D J.D.**

Former Supervisory Special Agent in the FBI crime lab will be discussing his discoveries, the continued struggle for valid forensic science in the courtroom, and his choice to do the right thing.



**GREG HAMPIKIAN
PH.D**

Professor and geneticist at Boise State and member of the Project will be speaking about the Amanda Knox and Troy Davis cases.



**JOHN J. LENTINI
CFI D-ABC**

will be speaking about how the State of Texas likely executed an innocent man - Cameron Todd Willingham.



**MARISSA BOYERS
BLUESTINE, ESQ.**

Legal Director of the Pennsylvania Innocence Project will be speaking about her involvement with the PIP and what it takes to run a statewide program.

EXONEREES



**RAY
KRONE**

Sentenced to death and spent 10 years in prison for a murder he did not commit.



STEVEN BARNES

Sentenced to 25-Life and spent 19 1/2 years in prison for a crime he did not commit.



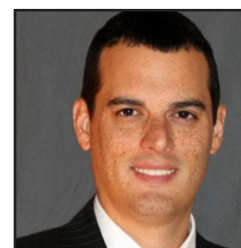
**RAYMOND
SANTANA**

Wrongfully accused in the Central Park Jogger case of 1989. Spent 5 years in prison for crimes he did not commit.

MODERATORS



**JUSTIN J.
MCSHANE, ESQ.**
Harrisburg, PA



**JOSH D. LEE,
ESQ.**
Vinita, OK

244th ACS NATIONAL MEETING

Philadelphia PA
Monday, August 20, 2012

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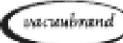
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All committees are looking for new members and several are looking for "take charge" chairs. Some, like the Teller's Committee, involve minimal work—one night per year and pizza provided. Others, like positions on Communications or Social Committees, involve one or two hours per month.

Committee details can be found at:
<http://www.membership.acs.org/p/philadelphia>

or by calling Mrs. Libby Harper at
the Philadelphia Section Office
(215) 382-1589.



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**PHILADELPHIA SECTION, ACS
2012 CALENDAR OF EVENTS**

Date	Event	Locations
Tuesday, June 5	American Institute of Chemical Engineers: Donald Koestler, DJ Koestler, LLC, and Alain Plante, University of Pennsylvania: <i>Climate Change</i>	The Cynwyd Club Bala Cynwyd, PA http://aiche-philadelphia.org
Wednesday, June 13	Chemical Consultants Network: <i>Annual Open Forum</i>	The Cynwyd Club Bala Cynwyd, PA www.chemconsultants.org
Thursday, June 14	Chromatography Forum of the Delaware Valley: Paul Haddad, Australian Centre for Research on Separation Science: <i>New Horizons in Ion Chromatography</i>	TBA http://www.cfdv.org/
Tuesday, June 19	Career Services Committee: Networking Event	Houlihan's Plymouth Meeting, PA http://acsphillynetworkingevent3.eventbrite.com
Thursday, June 21	Fifty-Year Luncheon: Ronald Brashear, Chemical Heritage Foundation: <i>Great Chemistry Book Collectors and Their Treasures in CHF's Othmer Library</i>	Chemical Heritage Foundation 315 Chestnut Street Philadelphia, PA www.chemheritage.org
Thursday, Sept. 20	TBA	TBA
Thursday, Oct. 18	Philadelphia Section Award	TBA
Saturday, Nov. 3	PAGES™: Philadelphia Area Girls Enjoying Science Program for Sixth Grade Girls	Chestnut Hill College Philadelphia, PA http://www.pagesprogram.org/
Thursday, Nov. 15	Ulliyot Lecture: Paul Anastas, EPA	Chemical Heritage Foundation Philadelphia, PA
Saturday, Dec. 8	Herb Bassow Memorial Chemistry Demonstrations and Hands-on Activities for All Ages	TBA

43rd MARM
Chemistry on the Chesapeake
May 31 – June 2, 2012
University of Maryland, Baltimore

ACS Fall National Meeting
August 19-23, 2012
Philadelphia, PA