

the Catalyst



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May 2015
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**PHILADELPHIA COUNCILORS
Spring 2015 National Meeting
Denver**

HIGHLIGHTS

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ADVANCE NOTICE

JUNE MEETING

Thursday, June 18, 2015

Luncheon Honoring Fifty- and Sixty-year Members

**Adventure Aquarium
Camden, NJ**

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

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Comments From The Chair



Dr. Bill Smith

Spring has sprung and it's a great time for the chemical enterprise! Chemists celebrated Earth Day on April 22nd and the Philadelphia Science Festival brought a week of science activities to the city. If you have never attended the Philadelphia Science Carnival you should consider doing so. The Carnival will be held on Saturday, May 2nd and there will be over 175 exhibitors spread out between the Franklin Institute and the Art Museum. Check out our Section booth where our Younger Chemists Committee is prepared to mix up batches of slime with hundreds of guests.

Our May meeting at the University of the Sciences in Philadelphia on Thursday, May 21st will feature awards to gifted chemical educators. Our award for teaching undergraduate chemistry will go to Dr. Madhu Mahalingam, Associate Professor of Chemistry at the University of the Sciences. Dr. Mahalingam is an internationally known scholar in the area of chemical education and an innovative and involved teacher. Dr. Vojislava Pophristic, Dr. Mahalingam's department chair, writes that she has "improved how we teach chemistry to health profession students, and has heavily influenced how we teach chemistry to our chemistry, biochemistry and pharmaceutical chemistry majors, both with measurably increased outcomes in student learning." She further states that she "exemplifies a highly effective and caring teacher, who goes out of her way to help students learn, not only through one-on-one interactions, but by designing and implementing new approaches to learning in very complex environments."

Our high school teacher awardee will be Mr. Jeremy Wolf. Mr. Wolf teaches at Palisades High School where he is noted for implementing an AP Chemistry course. Mr. Wolf's nominator writes "There is never a time when I walk into his classroom and find his students not engaged in class. Additionally, Jeremy incorporates real-world activities and projects in his classroom in order for his students to make real-world connections through chemistry. The most notable project is the *Conflicts in Chemistry: The Case of Plastics* that Jeremy piloted and helped create in conjunction with the Chemical Heritage Foundation."

Finally, I would like to report that the Section is very active right now in creating a new committee to pool the efforts of our volunteers. I will write more about that next month.

Thank you for all that you do!

For those wishing to get more involved with our Section, my door is always open.

willsmith2@aol.com

(215) 638-7453

MAY MEETING

THE PHILADELPHIA SECTION, AMERICAN CHEMICAL SOCIETY

2015 Philadelphia Section Teaching Awards Presentation

**Undergraduate Award: Dr. Madhu Mahalingam
University of the Sciences, Philadelphia**

**High School Award: Jeremy Wolf
Palisades High School, Kintnersville, PA**

Thursday, May 21, 2015

7:00 PM

Wilson Center, University of the Sciences
43rd Street and Woodland Avenues
Philadelphia, PA 19104

Social Hour at 5:00 PM, Dinner at 6:00 PM

Dinner cost: \$35; Students with reservations and ID: \$18

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, May 14th. Cancellations, if necessary, cannot be accepted after NOON on Tuesday, Tuesday, May 19th. **UNCANCELLED RESERVATIONS WILL BE BILLED.**

DIRECTIONS: <http://www.usp.edu/visiting/default.aspx>

PARKING: Enter 42nd Street at Woodland Avenue by Starbucks; follow to parking area.

The Board of Directors will meet at 4:00 PM in Wilson 201.

NEWS ATOMS—*Alan Warren*

Jeffrey Winkler, professor of chemistry, was elected to the John Morgan Society of the University of Pennsylvania, the oldest biomedical honor society in the country. He was recognized for his organic chemistry research into new and better ways of synthesizing drugs.

A 2014-2015 Project SEED college scholarship was awarded to **Malik Sylla**, a graduate of Philadelphia's George Washington Carver High School of Engineering & Science. She conducted research at the Center for Forensic Science Research & Education in Willow Grove.

Cynthia A. Maryanoff, foundation distinguished professor at the Baruch S. Blumberg Institute, will receive the 2015 Perkin Medal from the Society of Chemical Industry in recognition of her outstanding work in applied chemistry.

DEATHS

Charles J. Shoaf, retired research chemist, December 9, 2014 at 84. After serving on the faculty of the Air Force Institute of Technology he joined DuPont as a research chemist in the Dacron research laboratory. He then moved to the legal department in Wilmington and retired as senior counsel in 1995.

David J. Kelly, retired chemist, March 9, 2015 at 76. He authored several patents in the field of polyurethane foam.

Kenneth R. Heimlich, retired pharmaceutical chemist, March 17th at 82. He joined Smith, Kline & French as a senior pharmaceutical chemist, and after 15 years moved to Merck, Sharp & Dohme where he was named director of pharmaceutical research and development. He was past president of the Academy of Pharmaceutical Sciences and also served as pharmaceutical consultant to the French Ministry of Health.

ACES May Program

We are thrilled to announce the third ACES (Activities for Community Education in Science) Program, for May 9, 2015! This program is for students grades 3-8. Designed by graduate students in the Chemistry Department at the University of Pennsylvania, this program is meant to introduce students to the sciences using a hands-on approach. Students will have the opportunity to learn that science is fun!

This spring we will have all new experiments, including an experiment to make gold nanoparticles using tea (see www.acesphiladelphia.com for more information)! The students will come to the Chemistry Department at Penn, where they will split into small groups to perform a variety of science experiments, as well as discuss the concepts behind the activity. This event is free for all students, and co-ed! Register at www.acesphiladelphia.com/may-9th.

2010 ACS FELLOW JUDITH H. COHEN

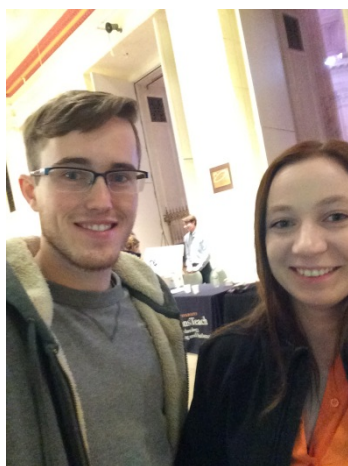
Judith H. Cohen was elected as an ACS Fellow on the basis of her dedication to science and volunteer work for the American Chemical Society. Judy received a BS in chemistry from the University of Delaware (1990).

Judy's career began at Johnson & Johnson in 1990. She was Scientist, Drug Evaluation Chemical & Pharmaceutical Development (2002-2004). In 2004 she moved to Cordis Corporation (a Johnson & Johnson Company) as Staff Scientist, Research and Development. In 2006 she was promoted to Principal Scientist and held that position until being promoted in 2012 to Research Fellow for Product and Process Scientific Solutions at Johnson & Johnson and held this position until she moved to Particle Sciences, Inc. in 2013 as Associate Director for Quality Assurance and was subsequently promoted to her current position, Director of Quality.

In the Philadelphia Local Section Judy is currently serving as Director (2014-2018), Alternate Councilor (2014-2017) and served as Councilor (2008-2013). In ACS national offices Judy is currently on the Women Chemists' Committee serving as Chair (2011-2013) and on the Committee Executive Board (2005-present).

The awards Judy has received are: Johnson & Johnson Volunteer Grant Awardee (2012), J&J Product/Process Sustainability Awards: Honorable Mention Green Technology Award (2008), Cordis Team Excellence Award CYPHER Select (2006), Cordis Team Excellence Award WLI Event (2005), Cordis Team Excellence Award Drug Content Loss Investigation (2005), Johnson & Johnson Achievement Award–RWJ-2700201 Synthesis Team (1999); Technical Achievement in Organic Chemistry from the Organic Division of the American Chemical Society (1998), Johnson & Johnson Achievement Award–Azaline B Team (1997), and Johnson & Johnson Vice President's Research Award for Outstanding Technical Achievement (1994).

The above is just a sampling of various awards and dedicated service to ACS and indicates why Judy was chosen as one of the 2010 ACS Fellows.



YCC at the Franklin Institute

James Brooks and Ivona Sasimovich participated in the Franklin Institute's Community Night by making polymerized bouncy balls with the visitors on Wednesday March 18th. They had over 200 visitors participate in their experiment.

THE ACS PHILADELPHIA SECTION
Presents

A Career Workshop on Current Trends in Interviewing

Tuesday, May 12, 2015
6:00 PM – 9:00 PM

The Community Center
Giant Super Food Store
315 York Road
Willow Grove, PA 19090

This free and interactive workshop is designed to bring you up to speed about the current trends in interviewing. Find out about the interview process, the use of virtual technologies such as Skype, those “tell me about a time” questions, and tips on presenting an interview seminar. Come and join us for this lively workshop!

WHO SHOULD ATTEND:

- * Chemists entering the workforce for the first time
- * Chemists making or contemplating a job change -- whether to a laboratory-based position or a non-laboratory-based position.
- * Chemists now in transition who haven't interviewed for a job in a long time.
- * Chemists who need a refresher on interviewing in general.

The Community Center is located inside the Giant Super Food Store in Willow Grove, Pennsylvania. It offers four, quiet conference rooms in an area totally separated from the supermarket. The Community Center is readily accessible from the Pennsylvania Turnpike (I-276), PA 309 and PA 611, and it is a 10 minute walk from the Willow Grove SEPTA Regional Rail Station (Warminster Line).

For more information and to register for this free event, please visit
<https://acsphillycareerworkshop8.eventbrite.com>

PLEASE NOTE: You are more than welcome to bring food and drink to the Career Workshop, but your food and drink must be purchased at this Giant and not brought in from any outside vendors. This Giant Super Food Store offers a salad bar, a hot bar, pizza, sandwiches and coffee that is available for purchase. It is highly recommended that you purchase any food or drink before the start of the Career Workshop, as food services at the Giant may close during our meeting.

ALSO PLEASE NOTE: This workshop is not a part of the *ACS Career Pathways* series of workshops offered by the American Chemical Society.

CHEMAGINATION COMPETITION

We are excited to announce the Spring 2015 ACS Local Section Chemagination Competition on the Princeton University Campus. This is a team competition of two or three high school students per team. Intent to participate has already been received by eight teams in the Princeton area, as of mid-January.

You can read about Chemagination 2015 at Princeton University at: <http://chemists.princeton.edu/pacs/outreach-activities/chemagination/>. The poster competition will be at Princeton University, Saturday afternoon, June 13, 2015.

With the prior approval by your teacher, please communicate your entry intention as soon as possible on the online Entry Form, available at the link above.

STEM PROGRAM IN SOUTHERN NEW JERSEY

We run a STEM program in Southern New Jersey for K-12 students and are looking for volunteers-retired scientists as well as college students or graduate students - who can assist in the program.

I would greatly appreciate your help in passing this information to members who can help spread the word. We will even take volunteers for a week or two.

The 2015 summer camp will begin on June 22nd and continue through August 14th. Camp will run daily, every week day, from 9 AM to 4 PM.

They can contact us by email: advisor@wowsciencecamp.org; phone: (856) 258-9022; and by completing the contact form on our website at www.wowsciencecamp.org.

Folake Adebisi



The Younger Chemists Committee Poster Session team at the University of the Sciences, March 31st.



CHEMICAL CONSULTANTS NETWORK

MAY 13, 2015 MEETING

Creating a Sustainable Path Forward for your Consultancy Business

Catherine T. “Katie” Hunt, Ph.D.

[Click here to register](#)

Date & Time: Wednesday, May 13th, at The Cynwyd Club, Bala Cynwyd, PA; Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM

Abstract: Creating a Sustainable Path Forward: Competency, Passion, Alignment! Whether building a more resilient company, city or self, you must have three key elements: Competency, Passion and Alignment. What are these? How do they go together? And more importantly, how do you figure out what’s missing? I’ll share some examples of what worked, what didn’t and what’s needed going forward. And, we might even have time to do some problem solving during the Q&A.

Biography: Dr. Hunt is the former R&D Director at The Dow Chemical Company. Her chemistry degrees include a BA from Smith College and a PhD from University of California, Davis. She began her 30-year career in industry at Rohm and Haas (now Dow) after completing an NIH Postdoctoral Fellowship at Yale. A vocal champion of STEM education and technology collaboration, Katie is a past president of the American Chemical Society and a current ACS Expert. She serves on numerous advisory boards, including RIT NTID, GCCA and Academy of Natural Sciences of Drexel University. She has worked with the Mayor’s Sustainability Advisory Board and championed the RetroFIT PHILLY: Coolest Block Contest.



Save the date: June 10th CCN’s 20th Anniversary Celebration

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. [MAP](#)

Reservation: [Reserve here](#), or 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 \$30 by the reservation/cancellation deadline Saturday, May 9th. Dietary restrictions accommodated on a limited basis. There is no charge for talk only, but registration is suggested using contact information above.

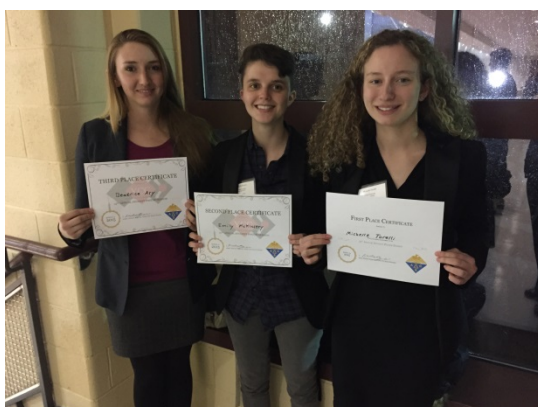
YOUNGER CHEMISTS COMMITTEE POSTER SESSION

On March 31st the Younger Chemists Committee held their Annual Poster Session at the University of the Sciences. With over 100 people in attendance and more than 60 posters presented, the event was a success. In addition to poster presenters from the Philadelphia local section, poster presenters traveled from as far away as New York City to present. Like years past, poster presenters ranged from high school students to post docs. First, Second, and Third place cash awards were given to posters in the high school, undergraduate, and grad/post doc categories. A wonderful group of judges volunteered their time to assist in evaluating the quality of the posters and how the information was conveyed to the judges.

This event could not have been possible without the dedication of a large group of younger chemists. These younger chemists booked the event space, coordinated the food, made program books, designed the abstract submission website, coordinated judges, designed the judging rubric, and contacted local chem clubs, student sections, and neighboring local sections. A special thanks to Cathrine Jarinko, Joey Harmon, Renee Harris, Ogan Kumova, Michael Brignone, Ivona Sasimovich, Tom Umile, Rob Mishur, Christine McInnis, Lauren Weinrich, James Brooks, and Karen Wendling for all of their help. Libby Harper was also incredibly helpful in preparing the event including coordinating the award and food money and printing nametags. Finally, the event could not have happened without the generosity of the University of the Sciences, who generously gave us the event space for free. They also allowed the use of their poster boards.

Congratulations to all for a job well done.

YCC POSTER SESSION WINNERS



From left to right: High School first place, Jimmy Olsen; Undergraduate winners, Beatrice Ary, Emily McKinstry, Michelle Torelli;; Post Doc or Graduate School winners, Douglas Gisewhite, Sarah Burke, James Gamrat.

2015 MARM Chemagination Competition and MARM Awards Ceremony

A Mid-Atlantic Regional Meeting (MARM) event is coming to Princeton University Frick Laboratory on Saturday, May 16 from 12:00 PM to 7:30 PM. The program will be a combined 2015 MARM Chemagination Competition and MARM Awards Ceremony.

Local ACS sections in the Mid-Atlantic Region have been invited to send up to four teams (one per contest category) to represent them at this MARM Chemagination competition. They may be holding their own local competition to select their entries, or using an alternate process. Prizes will be presented to the MARM Chemagination competition winners following the judging.

At the same award ceremony portion of program, the winners of the following 2015 Mid-Atlantic Regional Meeting (MARM) awards will be recognized:

ACS Division of Chemical Education Award for Excellence in High School Teaching

Purpose: To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the Mid-Atlantic Region.

The E. Emmet Reid Award in Chemistry Teaching at Small Colleges

Purpose: To recognize, encourage and stimulate high quality teaching and research at small colleges within the Mid-Atlantic Region.

The Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

Purpose: To recognize individuals and/or institutions who have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the Mid-Atlantic Region.

The E. Ann Nalley Award for Volunteer Service in the American Chemical Society

Purpose: To recognize the volunteer efforts of individuals who have served the American Chemical Society within the Mid-Atlantic Region.

In the absence of a scheduled 2015 MARM at which to honor the regional awardees, the Princeton ACS Section is partnering with the MARM Executive Board to host this combined event of MARM Awards Ceremony and regional Chemagination competition.

Members of local ACS sections in the MARM region, as well as friends and supporters of the Chemagination competitors and MARM Awardees are invited to attend this event. Registration is required for dinner which is \$25. For more information or to register go to the Princeton ACS site at:

<http://chemists.princeton.edu/pacs/events/2015-marm-awards-chemagination/>

Program:

12:00 PM – 12:45 PM	Chemagination Poster Set- Up (light lunch provided)
12:45 PM – 2:45 PM	Chemagination Poster Session & Judging
3:00 PM - 4:00 PM	Keynote Address, Professor Michael Hecht, Princeton University
4:00 PM - 5:00 PM	Awards Presentation
	- 4:00 PM, Chemagination Awards
	- 4:30 PM, MARM Awards.
5:00 PM - 7:30 PM	Buffet Dinner

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Being a part of one of our teams can help you develop organizational and meeting skills as well as help you to network with people from the largest area companies. Public Relations, such as sending out meeting notices and press releases, can help you to develop a network and help you get noticed!

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

2015 CURRENT CALENDAR OF ACTIVITIES

Date	Event	Locations
April 24-May 2	Philadelphia Science Festival	http://www.philasciencefestival.org/
Saturday, May 2	Science Carnival on the Parkway: See Us There!	http://www.philasciencefestival.org/carnival
Saturday, May 9	ACES Program	University of Pennsylvania Philadelphia, PA http://www.acesphiladelphia.com/
Monday, May 11	Delaware Valley Mass Spectrometry Discussion Group: Vicki Wysocki, Ohio State University: <i>Mass Spectrometry in Structural Biology: Surface-induced Dissociation/Ion Mobility of Protein Complexes</i> and Vendor Show	Villanova Conference Center (not on Villanova Campus) Villanova, PA http://science.widener.edu/svb/msdg/
Tuesday, May 12	Philadelphia Section Career Services Committee Career Workshop: Current Trends in Interviewing	Giant Food Store Willow Grove, PA https://acsphillycareerworkshop8.eventbrite.com
Tuesday, May 12	The Chromatography Forum of Delaware Valley: Todd Maloney: <i>Real-time Analysis for Continuous Manufacturing</i>	D'Ignazio's Towne House Media, PA http://www.cfdv.org/
Wednesday, May 13	Chemical Consultants Network: Catherine T. (Katie) Hunt: <i>Creating a Sustainable Path Forward for Your Consultancy Business</i>	The Cynwyd Club Bala Cynwyd, PA www.chemconsultants.org
Saturday, May 16	Middle Atlantic Regional Meeting (MARM) Chemagination Competition and MARM Awards Ceremony	Princeton University Princeton, NJ http://chemists.princeton.edu/pacs/
Wednesday, May 20	Princeton Section, ACS: Amos B. Smith, III, University of Pennsylvania: <i>Natural Products and the Evolution of Anion Relay Chemistry (ARC)</i>	Frick Laboratory, Princeton University Princeton, NJ http://chemists.princeton.edu/pacs/
Thursday, May 21	Philadelphia Organic Chemists Club: POCC Industrial Award and Poster Session: Thomas M. Stevenson, DuPont Crop Protection: <i>Strategies and Tactics for the Discovery of New Biologically Active Substances: Lessons from 30 years in Research</i>	Chemistry Department University of Pennsylvania 231 South 34 th Street Philadelphia, PA http://www.pocclub.org/
Thursday, May 21	Philadelphia Section Teaching Awards to Madhu Mahalingam, University of the Sciences and Jeremy Wolf, Kintnersville High School	Wilson Center University of the Sciences Philadelphia, PA
Thursday, June 18	Luncheon Honoring Our Fifty-year Members	Adventure Aquarium Camden, NJ

250th ACS Fall National Meeting
August 16-20, 2015
Boston, MA