

# the Catalyst



Official publication of the Philadelphia Section, ACS  
<http://philadelphia.sites.acs.org>

April 2017  
Volume 102, No. 4



**April Speaker**  
**Sister Mary Virginia Orna, PhD**  
**College of New Rochelle**

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## ADVANCE NOTICE

### MAY MEETING

Thursday, May 18, 2017

6:00 - 10 PM

Excellence in Teaching Awards

Presenter: Sam Kean, Science Writer

<http://samkean.com/>

### *The Disappearing Spoon*

McNeil Science and Technology Center  
University of the Sciences  
Woodland Ave. & 43<sup>rd</sup> Street  
Philadelphia, PA 19143

See the MAY issue of *the Catalyst* for details,  
call the Section Office at (215) 382-1589 or email [PhilaACS@gmail.com](mailto:PhilaACS@gmail.com).

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## Comments From the Chair



### Deborah Cook

By the time you read this it will be spring and hopefully the weather will be warmer and the air filled with the sights, sounds, and smells of new life. During the spring months, the Philadelphia Section focuses on honoring outstanding individuals in our region and beyond. I hope many of you attended the Edgar Fahs Smith Memorial Lecture in March. In April we will be recognizing outstanding chemistry and chemical engineering students who will be graduating from the approximately 27 four-year colleges and universities in the Philadelphia

region. It is fitting that we honor them in April as they represent the new life force for our chosen profession, chemistry. These outstanding and energetic students will continue in graduate school, health related professions, education, business, entrepreneurial interests and industry. They are the hope and lifeline of the future.

Our speaker will be Sr. Mary Virginia Orna, PhD who will be speaking about her book, *The Lost Elements*. The focus of the book and talk is failed candidates that never made it to the Periodic Table. Mary Virginia has an impressive career in teaching chemistry at the College of New Rochelle as well as a long commitment and interest in the history of chemistry. In addition, our Student Scholastic Achievement Awardees will have an opportunity to tell us what they will be doing in the future. I'm sure they will appreciate an opportunity to interact with more seasoned members.

April is also a busy month with many activities including ACS-sponsored ***Chemists Celebrate Earth Day***. This year's theme is "Chemistry Helps Feed the World." Students in grades K-12 are invited to participate in an illustrated poem contest. This allows creative young chemists to explore their artistic side. Also on Earth Day, April 22<sup>nd</sup>, our Women Chemists Committee will host another full day of activities with PAGES<sup>TM</sup>, an interactive, hands-on chemistry program for 6<sup>th</sup>-grade girls. From April 21-29, the Philadelphia Science Festival will take place. This citywide event affords many opportunities for scientists of all ages to get out and get involved. Please consult the calendar of events for specifics as well as contact information.

Additional upcoming events in May and June also recognize outstanding members. The May meeting will feature Sam Kean, a renowned science writer, who will talk about his book, *The Disappearing Spoon*. In May we will honor outstanding educators by presenting the Awards for Excellence in Teaching at the K-12 and undergraduate levels. Finally, in June we will recognize our 50- and 60-year members. The spring months are full of joy and celebration of chemistry, chemists and aspiring chemists.

I encourage you to participate, get involved, and mostly to spread the joy and excitement of chemistry and science.

Respectfully, Deborah Cook

## NEWS ATOMS—Alan Warren

### DEATHS

**Michael Kolpak**, pharmaceutical chemist, August 15, 2016 at 63. He was employed by Novartis Pharmaceuticals.

**Richard H. Inacker**, industrial chemist, December 9<sup>th</sup> at 53. He was employed by Lockheed Martin where he was senior manager of the Test Operations Group and headed the chem lab.

**D. Peter Carlson**, research chemist, December 12<sup>th</sup> at 85. He was employed as a research chemist with DuPont, working in the field of fluoropolymers. He spent 12 years in fluoroplastic research at the Parkersburg, WV laboratory, and the remainder of his career at the Experimental Station in Wilmington.

**Gene Marino**, pharmaceutical chemist, February 8, 2017 at 70. He was employed by Wyeth Pharmaceuticals from 1969 to 2005 where he held various management positions in site technical services, policies and procedures, parenteral drug manufacturing, project validation, and process development. Following his retirement from Wyeth he became a compliance officer for Lachman Consulting.

**John Oliver Cram**, chemical industry executive, February 10<sup>th</sup> at 87. He was president of Concord Chemical and Seacord Chemical companies, retiring in 2002. He was past president of the Philadelphia Chemical Club.

**Milton Wolf**, research chemist, February 20<sup>th</sup> at 96. Following research positions at the Worcester Foundation for Experimental Research and with General Foods Corp. he joined Wyeth where he worked for 25 years. Projects in which he was involved included penicillin derivatives, antibacterials, anti-inflammatories, and antidepressants, among others.

**Ruth A. Walker**, chemist and chemistry teacher, February 26<sup>th</sup> at 96. She worked in industry with pharmaceutical and textile firms and then joined the faculty of Hunter College in 1957 to teach organic chemistry. Later she was named Director and Dean for Health Professions at Lehman College, retiring in 1989.

**Eugene Garfield**, information scientist, February 27<sup>th</sup> at 91. After obtaining a degree in chemistry at Columbia he worked briefly as a lab chemist at Evans Research and Development Corp. and at Columbia. He eventually was attracted to the Welch Medical Library at Johns Hopkins where he worked on indexing medical literature. He then obtained an MS in library science and a PhD in structural linguistics at the University of Pennsylvania.

As a pioneer in citation analysis he developed citation indexing to provide a faster research tool for scientists. He went on to establish the *Science Citation Index*<sup>®</sup> and *Current Contents*<sup>®</sup> and his firm, the Institute for Scientific Information<sup>®</sup>. He became an outstanding innovator in scien-

tific information and communications science. ISI<sup>®</sup> was acquired by Thomson Reuters and continues today as Clarivate Analytics.

Garfield was an adjunct professor of computer and information science at Penn. He was founding editor and publisher of the journal *The Scientist* in 1986. He was past president of the Association for Information Sciences and Technology. The Association for Library and Information Science Education provides the Eugene Garfield doctoral research award. In 2002 Research! America established the Garfield award to recognize outstanding research in the medical and health fields.

In 1983 he received the ACS Paterson Cane award. Garfield received numerous honorary degrees and was a fellow of the American Association for the Advancement of Science, the Institute of Information Scientists, the Society for Technical Communication, the Medical Libraries Association, and the American Academy of Arts and Sciences.

**Harvey Paul Tannenbaum**, employed by DuPont and held patents in fluorinated non-stick coatings. No further details available.

**Victor L. Larimer**, a 60-year member of ACS, had a consulting business. No further details available.

**2017**

**Delaware Valley Science Fairs - Greater Philadelphia Expo Center in Oaks, PA**

**April 4<sup>th</sup> to April 6<sup>th</sup>**

**Judging Day - Wednesday, April 5, 2017**

## APRIL MEETING

Board of Directors Meeting  
4:00 PM – 5:00 PM  
McCall Meeting and Conference Center

and

Student Scholastic Achievement Awards  
Presenter: Sr. Mary Virginia Orna, PhD  
Professor, The College of New Rochelle  
<http://www.maryvirginiaorna.net/>

*The Lost Elements: The Periodic Table's Shadow Side*

Thursday, April 20, 2017

McCall Meeting and Conference Center  
201 N. Lynn Blvd.  
Upper Darby, PA 19082

5:30-6:00 PM Registration/Reception  
6:00-7:00 PM Speaker  
7:00-7:45 PM Dinner  
7:45-8:15 PM Awards

Register at:

<https://www.eventbrite.com/e/philadelphia-section-acs-april-event-tickets-31717271212>

Cost is \$30 for members, \$17.50 for students (awardees free)

Or by contacting the Section Office  
PhilaACS@gmail.com  
(215)-382-1589

## SPEAKER'S ABSTRACT AND BIOGRAPHY

**Sr. Mary Virginia Orna, PhD**

Professor, The College of New Rochelle

### *The Lost Elements: The Periodic Table's Shadow Side*

**Abstract:** Fascinating as the Periodic Table and its tenants are, this talk will highlight equally fascinating tales of failed candidates that never made it into the Periodic Table. Before Mendeleev, confusion regarding just what and how many elements there were reigned supreme – and continued to do so well into the 20<sup>th</sup> century due to conceptual, absurd, and even ridiculous errors. Some of these wrong turns were the results of experimental errors of the grossest sort, whereas others arose from incompetence, scientific fraud, unorthodox beliefs, misplaced nationalism, and just plain obstinacy. These tales of folly, human ambition....and ingenuity give us a unique understanding of how chemistry really works. This talk is based on her recent book co-authored with Marco Fontani and Mariagrazia Costa, *The Lost Elements: The Periodic Table's Shadow Side* (Oxford University Press, 2015).

**Biography:** Sister Mary Virginia Orna, OSU, (Order of Saint Ursula), PhD, is professor of chemistry at the College of New Rochelle. She is a tour speaker on the roster of the American Chemical Society and has been an invited lecturer to every part of the United States and many countries in Europe, the South Pacific, and the Middle East. Her countless publications have appeared in the *Journal of Chemical Education*, *Color Research and Application*, and many others. She has also authored numerous books, book chapters, and encyclopedia articles. Mary Virginia has served as Chair, Program Chair and Treasurer of the Division of the History of Chemistry of the ACS. She is currently serving as ACS Councilor and as a member of the ACS Divisional Activities Committee. She is a recipient of several major awards such as the 1989 New York State Professor of the Year and the 1996 ACS Visiting Scientist Award. Mary Virginia Orna is presently president of ChemSource, Inc., a major effort in chemistry teacher preparation and enhancement funded by the National Science Foundation.





## 2017 CHEMAGINATION DESCRIPTION AND RULES

### CONTEST OVERVIEW

For this event, high school students are asked to imagine that they are living 25 years in the future and have been invited to write an article for ChemMatters, a magazine for high school students that focuses on the role of chemistry in everyday life. The subject of the article is: *"Describe a recent breakthrough or innovation in chemistry (and/or its applications) that has improved the quality of people's lives today."* To view a sample ChemMatters magazine visit the national ACS website, [acs.org](http://acs.org), and look under Education.

In addition to the article, students are asked to design a cover for the magazine. The article must be written as if the student is living in the year 2042, looking back at innovations that have occurred since 2017. The innovation must fall into one of the following categories:

- |                              |                       |
|------------------------------|-----------------------|
| * Alternative Energy Sources | * Medicine/Healthcare |
| * Environment                | * New Materials       |

A few examples of areas where development is expected are: nanotechnology, energy efficiency, pollution prevention, green chemistry, sustainability, intelligent devices for sensing, proteomics, climate models, biopharmaceutical therapies, medical devices and/or implants and new energy sources.

### ARTICLES must:

- be written by a team of two or three students; each student may be on only one team.
- be about 1000 words (figure captions are not included in the limit).
- present the chemistry/scientific concepts/ideas/principles behind the innovation.
- describe the innovation and indicate how it has improved people's lives.
- present a "history" of the changes that had to occur in 25 years to develop this innovation.
- include drawings, diagrams, illustrations and descriptions of the chemistry and any technology involved in all key aspects of the innovation.
- cite a minimum of three technical references.
- include a cover design for the magazine. The cover design can be an original computer graphic or a free-hand drawing.

Prizes: **\$100 dollars for each member** of the first-place team and **\$50 dollars for each member** of the second place team. Each student that participates will receive a certificate.

Deadline for submission: April 10, 2017

Entries must be submitted by email to [willsmith2@aol.com](mailto:willsmith2@aol.com).

The Philadelphia Section of the American Chemical Society will select winners to be invited to move forward to Mid-Atlantic Region of the American Chemical Society CHEMAGINATION on June 4<sup>th</sup> from 12:00 pm to 5:00 pm at the Hershey Lodge in Hershey, PA.





## Chemists Celebrate Earth Day (CCED) 2017

### “Chemistry Helps Feed the World”

### Illustrated Poem Contest

The Philadelphia Local Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in Kindergarten through 12th grade.

**Contest Deadline: April 24<sup>th</sup>**

**Prizes: \$50.00 for the winner of each grade category**  
 (grades K-2 / grades 3-5 / grades 6-8 / grades 9-12)  
 Each student will receive a certificate

**Contact: Dr. Bill Smith for an entry form**  
[willsmith2@aol.com](mailto:willsmith2@aol.com) / 267-987-5395

Winners of the Philadelphia Local Section's Illustrated Poem Contest will advance to the ACS National Illustrated Poem Contest for a chance to be featured on the ACS website and to win prizes!

Write and illustrate a poem using the CCED theme, “Chemistry Helps Feed the World.” Your poem must be no more than 40 words and in the following styles to be considered:

**HAIKU - LIMERICK - ODE - ABC POEM - FREE VERSE - END RHYME - BLANK VERSE**

**Possible topics related to agriculture and chemistry include:**

Crops	Starch	Sugars
Protein	Fertilizer	Carbohydrate



**Entries will be judged based upon:**

Relevance to and incorporation of the theme  
 Word choice and imagery  
 Colorful artwork

**Contest Rules:**

- Poems must conform to a particular style. No poem may be longer than 40 words.
- The topic of the poem and the illustration must be related to the CCED 2017 theme.
- All entries must be original works without aid from others.
- Each poem must be submitted and illustrated on an unlined sheet of paper (of any type) not larger than 11" x 14". The illustration must be created by hand using crayons, watercolors, other types of paint, colored pencils, or markers. The text of the poem should be easy to read and may be printed with a computer before the hand-

drawn illustration is added, or the poem may be written on lined paper which is cut out and pasted onto the unlined paper with the illustration.

- Only one enter per student will be accepted.
- All entries must include an entry form.
- All illustrated poems and/or digital representations of the poems become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners' names, likenesses, and entries for editorial, advertising, and publicity purposes.

## CHEMICAL CONSULTANTS NETWORK APRIL 12, 2017 MEETING

### **WHY ENGINEERS ARE REQUIRED FOR ECONOMIC GROWTH**

**Dr. J. Scott Armstrong – University of Pennsylvania**

**DATE & TIME:** Wednesday, April 12<sup>th</sup>, at The Cynwyd Club, Bala Cynwyd, PA  
Networking, 5:30 PM; Dinner, 6:30 PM; Talk and Business Session, 7:30 PM

[Click here to register](#)

**Abstract:** The essence of science is to identify an important problem, come up with alternative reasonable hypotheses, then use experiments to identify the most cost-effective solutions. Engineers are “natural scientists.” Other than young children, I am hard pressed to think of other groups of people who are natural scientists. Why do young children act as scientists? Because they have to in order to survive. Why do engineers act as scientists? Because it is their role. When something is broken, the problem is easy to spot, and the engineer must come up with possible hypotheses, then do experiments to test them. More important, engineers should also be skeptics who believe that anything can be improved. I provide examples from my research on the barriers that those who use scientific methods face. “Are there any cases where US government regulations have improved the general welfare?” and “Is dangerous manmade warming likely?”

**Biography:** Professor Armstrong received his PhD in Management from the Massachusetts Institute of Technology in 1968. He also has an MS in Industrial Administration from Carnegie Mellon University, and BS and BA degrees in Industrial Engineering and Applied Science from Lehigh University. He has been the recipient of numerous awards from 1989 until today including being named one of the [“25 Most Famous College Professors Teaching Today”](#) in 2010.

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

**Reservation:** [Click here to register to attend the event](#), or e-mail [CCNReservations@aol.com](mailto:CCNReservations@aol.com) or call the CCN phone number at (877) 326-2959 and leave a message. Fee, including food and beverages (wine, beer & sodas), is \$30 by reservation/cancellation deadline: **Saturday, April 8<sup>th</sup>**. Dietary restrictions accommodated on a limited basis. There is no charge for talk only, but registration is suggested using contact information above.

### **CONSULTANTS - OPPORTUNITY HERE!**

PLEASE VISIT <http://www.chemconsultants.org/>

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685<sup>th</sup> BOARD OF DIRECTORS MEETING  
December 14, 2016  
Rosa Bianca, Yardley, PA

Present: David Cichowicz, Judith Cohen, Deborah Cook, Jason Cross, Ella Davis, Anne DeMasi, Rick Ewing, Alan Heldon, Christie McInnis, Cynthia Palmer, Kathleen Shaginaw, William Smith, Tom Straub, Judith Summers-Gates, Victor Tortorelli and Elizabeth Wagoner.

Absent: Melissa Cichowicz, Douglas Hausner, JP Northrup and James Tarver.

Also present: CJ Bruner, Joe Martino and Michael Castaldi.

The 685<sup>th</sup> Board Meeting of the Philadelphia Section, ACS, was called to order at 5:30 PM. A quorum was present.

The Minutes of the November 2016 Board of Directors Meeting were deferred.

1. Officers

A. Chair, Rick Ewing, [ewingwre@comcast.net](mailto:ewingwre@comcast.net)

1.) It is time to consider candidates for the Volunteer of the Year Award, the runners up may be considered for the Salute to Excellence Award.

Two nominations were put forward. Both candidates' skills and accomplishments are eminently suited to candidates for the Volunteer of the Year Award.

A motion for the vote for the Volunteer of the Year award was made and seconded. A recipient for the Volunteer of the Year Award was chosen by the preponderance of the votes. It was the consensus of the Board that the runner up will receive the Salute to Excellence Award. The recipients will be announced in due course.

2.) The Del. Val. Mass Spec. Group will be over its budget for 2016. There was discussion for the reasons, consequences and solutions. The consensus was that the Section would cover the shortage and monitor the Group's spending.

B. Chair-Elect, Deborah H. Cook, [deborahcook72@gmail.com](mailto:deborahcook72@gmail.com)

1.) Ideas for IPG applications should be sent to the Chair-Elect.

2.) Lizzy Wagoner, as Chair-Elect, will be the new Awards Committee Chair. The Awards Committee needs 4 new members.

3.) The January 2017 Board Meeting will be at the Yardley Inn.

4.) The February 23<sup>rd</sup> Board Meeting will be at Philadelphia Distilling Company, in Fishtown. There will be a tour and tasting.

5.) The March 23<sup>rd</sup> Meeting will be the Edgar Fahs Smith Lecture, at U. Penn.

6.) The April 20<sup>th</sup> Meeting will be the Student Scholastic Achievement Awards, Mary Virginia Orna will be the speaker.

7.) The May 18 Meeting will be the Excellence in Teaching Awards. It will be at the Chemical Heritage Foundation; Sam Kean will be the speaker.

8.) June Meeting is the 50 Year Member Meeting, venue suggestions appreciated.

9.) Discussion of MARM award procedures and need for section compliance with MARM procedures.

2. Committees

A. Budget Committee, Victor Tortorelli, [vtortorelli@ursinus.edu](mailto:vtortorelli@ursinus.edu)

A final draft of the 2017 budget was submitted.

An extensive discussion covered various budget items.

Secretary noted that the Member Affairs 2017 budget submission was not included in the submitted draft budget. The Budget Committee responded that no budget line number fitted the submission and questioned whether the Member Affairs Committee was a committee.

At the request of the Chair the Member Affairs Committee reiterated highlights from the Member Affairs Committee's previously submitted - *Innovative Projects Grant Completion and 2017 Projects and Proposed 2017 Budget*. The Member Affairs budget requested \$600 for software and the purchase of web based services including conferencing and broadcasting services, and \$200 for incentive awards to members that develop web designs that are used by the Section, and design and setup Facebook and Twitter accounts for use promoting and publicizing Section activities. The object of the awards was to obtain many hours of web design and implementation at a steep discount and attract member volunteers with the necessary skills and a willingness to invest the considerable time needed to actively maintaining the social media sites.

There was a motion for appropriation of \$200 per the Member Affairs budget request. Motion deemed not pass.

There was a motion for appropriation of \$600 per the Member Affairs budget request. Motion deemed not pass.  
The Chair moved for a vote on the 2017 Budget submission. Deemed passed. Nays and abstentions not called.

There being no additional business before the Board, the meeting adjourned at 6:02 PM.

Respectfully submitted,

Alan R. Heldon, Secretary, [alan.heldon@live.com](mailto:alan.heldon@live.com).

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686<sup>th</sup> BOARD OF DIRECTORS MEETING  
January 19, 2017  
Yardley Inn, Yardley, PA

Present: Michael Castaldi, David Cichowicz, Melissa Cichowicz, Judith Cohen, Deborah Cook, Jason Cross, Ella Davis, Anne DeMasi, Rick Ewing, Alan Heldon, Kathy Lysko, Joseph A. Martino, Christie McInnis, Cynthia Palmer, Kathleen Thrush Shaginaw, Victor Tortorelli, Elizabeth Wagoner.

Also present: CJ Bruner, Jim Murray.

The 686<sup>th</sup> Board Meeting of the Philadelphia Section, ACS, was called to order at 4:00 PM. A quorum was present.

The submission of the Minutes of the November and December 2016 Board of Directors Meetings was deferred pending the Secretary's arrival.

## 1. Officers

### A. Chair, Deborah H. Cook, [deborahcook72@gmail.com](mailto:deborahcook72@gmail.com)

There was a wide-ranging discussion of the Section's e-media needs including organizational needs and execution. Also, the need to coordinate various interests.

There was a consensus as to the need for a Communications Committee meeting.

The Secretary being seated, the Minutes of the November and December 2016 Board of Directors Meetings were submitted.

The November Minutes were approved with 1 nay and 0 abstentions.

The December Minutes were deferred for e-review and e-vote.

### B. Chair-Elect, Elizabeth Wagoner, [ewagoner22@gmail.com](mailto:ewagoner22@gmail.com)

No report.

### C. Secretary, Alan Heldon, [alan.heldon@live.com](mailto:alan.heldon@live.com)

No report.

### D. Treasurer, David Cichowicz, [cichowic@lasalle.edu](mailto:cichowic@lasalle.edu)

The Final 2016 Report was emailed.

Wide ranging discussion of the Final Reports.

On motion, the Final Reports were accepted with 0 nay and 0 abstentions.

Note: Cynthia Palmer has advised the Board that she will be unable to carry out her duties as a Director. Her resignation from the Section was due to "reassignment within FDA from ORA (Office of Regulatory Affairs) in the Philadelphia Pharmaceutical Lab to CFSAN (Center for Food Safety and Nutrition) with the Division of Seafood Science and Technology in Dauphin Island, AL."

Cynthia said that she "appreciated the opportunity to participate in the Philadelphia Section of the ACS and work with others very experienced in the ACS work in the area."

### E. Past-Chair, Rick Ewing, [ewingwre@comcast.net](mailto:ewingwre@comcast.net)

Cynthia Palmer has advised that she will be unable to serve as a Director for 2017 and beyond. This creates a vacancy on the Board. Under the Section's Bylaws this vacancy is to be filled for the 2017 term by the appointment of the "next highest vote getter" at last fall's Board election. The next highest vote getter is Craig McClure.

The Board appointed Craig McClure Director for the 2017 term by acclamation.

Innovative Program Grant applications due January 24<sup>th</sup>.

Call for ACS Fellows. Judy Cohen ([judycohen4568@verizon.net](mailto:judycohen4568@verizon.net)) is the coordinator. The Section is eligible for eleven Fellows – one per Section Councilor. An application form is being prepared.

## 2. Committees

A. Career Services, Joe Martino, [acsphillycareerservices@gmail.com](mailto:acsphillycareerservices@gmail.com)

1) Career Services supported tonight's (January 19<sup>th</sup>) event with ChemPharma and featuring Allen Reitz and Dennis Gross. About 40 registered participants are expected. Career Services will debrief the event when it is completed.

2) Career Services continues to work with the ACS Princeton Section regarding a career event for displaced chemists to take place in May of 2017. Funding of the event and grant applications along with selection of panelists for the workshop are the major points to be determined. The workshop will feature panelists from the industrial, academic, government and entrepreneurial career paths. This workshop is not part of the ACS Career Pathways series of workshops

3) The Career Club program will be revisited in 2017, with an appointment format to be utilized.

## 3. Other Business

Anne DeMasi was re-elected Section Councilor Chair.

All 11 of the Section's Councilors will attend the San Francisco Meeting.

There being no additional business before the Board, the meeting adjourned at 5:00 PM.

Respectfully submitted,

Alan R. Heldon, Secretary, [alan.heldon@live.com](mailto:alan.heldon@live.com).



Hershey, PA – The sweetest place on Earth!  
June 4-6, 2017



Co-chaired by Dee Casteel & Lorena Tribe, [casteel@bucknell.edu](mailto:casteel@bucknell.edu) and [lut1@psu.edu](mailto:lut1@psu.edu)  
Website: [www.http://marmacs.org/](http://marmacs.org/)



# DIRECTORY OF SERVICES

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- ✓ Membership
- ✓ Planning
- ✓ Public Relations
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- ✓ Continuing Education
- ✓ National Chemistry Week
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- ✓ Tellers
- ✓ Web Page
- ✓ Younger Chemists
- ✓ Women Chemists

Contact the Section Office at  
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Put "Volunteer" in the subject line or  
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formation.

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**PHILADELPHIA SECTION, ACS  
CURRENT CALENDAR OF ACTIVITIES**

<b>Date and Time</b>	<b>Event</b>	<b>Location</b>
April 2-April 6	253 <sup>rd</sup> American Chemical Society National Meeting and Exposition: <i>Advanced Materials, Technologies, Systems and Processes</i>	San Francisco, CA <a href="https://www.acs.org/content/acs/en/meetings/spring-2017.html?cid=home_meetings">https://www.acs.org/content/acs/en/meetings/spring-2017.html?cid=home_meetings</a>
Monday, April 10 6:00 PM	Meeting of the Delaware Valley Mass Spectrometry Discussion Group; Presenter: Dr. Ann O'Brien, Incyte Pharmaceuticals: <i>Open Access Preparative LCMS – Enabling Drug Discovery One Purification at a Time</i>	154 Mendel Hall Villanova University Villanova, PA Please RSVP to Kevin Owens at ( <a href="mailto:Kevin.Owens@drexel.edu">Kevin.Owens@drexel.edu</a> ) <a href="http://www.dvmsdg.org">www.dvmsdg.org</a>
Wednesday, April 12 5:30–9:00 PM	Meeting of the Chemical Consultants Network (CNN); Presenter: Dr. J. Scott Armstrong – University of Pennsylvania: <i>Why Engineers are Required for Economic Growth</i>	The Cynwyd Club 332 Trevor Lane Bala Cynwyd, PA 19004 <a href="#">Click here to register</a>
Thursday, April 13 11:30 AM–2:00 PM	Joseph Priestley Society; Noah Clay, Director, Quattrone Nanofabrication Facility, School of Engineering and Applied Science, University of Pennsylvania: JPS Symposium, <i>Emerging Companies Based on Inventions at the Singh Center for Nanotechnology of the University of Pennsylvania</i>	Chemical Heritage Foundation 315 Chestnut Street Philadelphia, PA 19106 <a href="https://www.chemheritage.org/event/joseph-priestley-society-noah-clay">https://www.chemheritage.org/event/joseph-priestley-society-noah-clay</a>
Thursday, April 13 8:00 PM	Philadelphia Organic Chemists' Club Sigma-Aldrich Student Choice Lecture; Presenter: Dr. David A. Nicewicz, University of North Carolina at Chapel Hill: <i>New Avenues in Synthesis via Organic Photoredox Catalysis</i>	University of Pennsylvania Department of Chemistry Carolyn Hoff Lynch Hall Philadelphia, PA <a href="http://www.pocclub.org/">http://www.pocclub.org/</a>
<b>Thursday, April 20 5:00 PM</b>	<b>Philadelphia ACS Section Event; Speaker: Mary Virginia Orna, Professor, The College of New Rochelle: <i>Lost Elements</i>; and Student Scholastic Achievement Awards</b>	<b>McCall Meeting and Conference Center Lynn Blvd. Upper Darby, PA <a href="https://www.eventbrite.com/e/philadelphia-section-acs-april-event-tickets-31717271212">https://www.eventbrite.com/e/philadelphia-section-acs-april-event-tickets-31717271212</a></b>
Saturday, April 22 9:00 AM–1:30 PM	The Philadelphia Area Girls Enjoying Science™ (PAGES™) Mini-Conference for 6 <sup>th</sup> Grade Girls	Chestnut Hill College Philadelphia, PA 19118 <a href="http://www.PAGESprogram.org">www.PAGESprogram.org</a>
Thursday, May 11 5:30–10:00 PM	Non-Traditional Careers: A Panel Discussion and Networking Event	Bowen Hall, Princeton University, Princeton, NJ <a href="https://acsprincetonphillycareerdiscussion.eventbrite.com">https://acsprincetonphillycareerdiscussion.eventbrite.com</a>
<b>Thursday, May 18 6:00 PM</b>	<b>Philadelphia ACS Section Event; Speaker: Sam Kean, Science Writer: <i>The Disappearing Spoon</i>; and Excellence in Teaching Awards</b>	<b>McNeil Science and Technology Center University of the Sciences Philadelphia, PA</b>
Thursday, May 25 8:00 PM	The Teva Lecture at Philadelphia Organic Chemists' Club; Presenter: Dr. Sean P. Brown, Amgen: <i>Interdiction at a Protein-Protein Interface: Structure-Based Design of Mcl-1 Inhibitors</i>	University of Pennsylvania Department of Chemistry, Carolyn Hoff Lynch Hall Philadelphia, PA <a href="http://www.pocclub.org/">http://www.pocclub.org/</a>

<b>June, 2017</b>	<b>Luncheon Honoring our Fifty-year Members</b>	<b>TBA</b>
June 4-June 6	2017 Mid Atlantic Regional Meeting (MARM 2017): <i>Elements of Transition</i> ; Co-organized by the Lehigh Valley and Susquehanna Sections of the ACS	Hershey, PA <a href="http://marm2017.sites.acs.org/">http://marm2017.sites.acs.org/</a>
August 20-24	254 <sup>th</sup> American Chemical Society National Meeting and Exposition: <i>Chemistry's Impact on the Global Economy</i>	Washington, DC <a href="https://www.acs.org/content/acs/en/meetings.html?cid=home_meetings">https://www.acs.org/content/acs/en/meetings.html?cid=home_meetings</a>
<b>Thursday September 28 5:00-8:00 PM</b>	<b>Philadelphia ACS Section Event: Tour of the PA Biotechnology Center</b>	<b>Pennsylvania Drug Discovery Institute At the Pennsylvania Biotechnology Institute 3805 Old Easton Rd Doylestown, PA 18902</b>