

the Catalyst



Official publication of the Philadelphia Section, ACS
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April 2016
Volume 101, No. 4



– Joel Perlish photo

2016 Poster Session Winners

HIGHLIGHTS

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ADVANCE NOTICE

MAY MEETING

Thursday, May 12, 2016
(NOTE: This is the second Thursday)
Philadelphia Section Teaching Awards

TBA

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

the Catalyst

ACS Philadelphia Section

Founded April 15, 1899

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Comments From the Chair



Dr. Rick Ewing

The annual YCC poster session was held at the University of the Sciences (USP) on February 22nd. The February poster session was a huge success and a lively event! A new addition this year, the career fair. I was pleased to see how many people used this as an opportunity to network and to meet new colleagues in science. This year three graduate posters, three undergraduate posters and two high school posters were recognized with awards. Thanks to all the judges for committing their time to this event!

This year marked the 83rd Edgar Fahs Smith lectureship which was held on March 3rd. The 2016 lecturer, Professor George Schatz (Northwestern University), gave an exceptional lecture on his research on silver and gold nanoparticles to a full house at the Lynch lecture hall/University of Pennsylvania. Please see the March column for more information about the history of Edgar Fahs Smith.

The next Section meeting, April 21st, is in recognition of the top chemistry students from the colleges and universities in the Philadelphia Section. I first attended the Philadelphia Section's undergraduate awards meeting as an award recipient in 1983. It certainly had significance for me as I was, at that time, making the commitment to pursue my graduate degree in chemistry. The event was a great opportunity to meet fellow chemistry students and professors across the Philadelphia Section.

Again, the Philadelphia Section had strong representation on ACS committees at the 251st ACS National Meeting, San Diego, CA. I will give an update on the meeting in my May Chair's column. We also have been planning for the 252nd ACS National Meeting that will be held here in Philadelphia. If you have any interest in volunteering for the Section's participation in the fall National Meeting, please contact the Section office at philaacs@gmail.com.

YCC Poster Committee

Seated, left to right: Tom Umile, Joey Harmon, Mohammed Nozari. Standing, left to right: James Brooks, Karen Wendling, Ivona Sasimovich, Atithi Patel, Craig Marlatt, Beau Wangtrakuldee, Mike Brignone.



APRIL MEETING

THE PHILADELPHIA SECTION, AMERICAN CHEMICAL SOCIETY

presents

Speaker – TBA

and the

2016 Undergraduate Scholastic Achievement Awards

Thursday, April 21, 2016

7:00 PM

McCall Meeting and Conference Center
201 North Lynn Boulevard
Highland Park, PA 19083

Social Hour at 5:30, Dinner at 6:00 PM

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

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

DIRECTIONS: <http://www.mccallgolf.com/directions>

The Board of Directors will meet at 4:00 PM at the McCall Meeting and Conference Center.

NEWS ATOMS—*Alan Warren*

Dennis E. Discher, professor of chemical and biomolecular engineering at Penn, was named a Fellow of the American Association for the Advancement of Science. The honor recognizes his contributions to the understanding of the effects of matrix and cytoskeletal physical properties and forces on cell physiology and stem cell development.

DEATHS

Paul H. Maurer, retired professor, December 31, 2015 at 92. He was emeritus professor of biochemistry and pathology at Jefferson Medical College, where he chaired the department of biochemistry from 1966 to 1985.

Robert J. Suhadolnik, retired professor, January 26, 2016 at 90. He was a professor in the biochemistry department of Temple University School of Medicine. Two fields in which he was widely regarded for his work were AIDS research and chronic fatigue syndrome.

John A. Quinn, retired professor, February 8th at 83. He taught at the University of Illinois from 1958 until 1971 when he moved to the University of Pennsylvania. There he served as chairman of the department of chemical and biochemical engineering from 1980 to 1985. He received a number of teaching awards and special recognition by the American Institute of Chemical Engineers, the National Academy of Engineering, and the American Academy of Arts and Sciences. His former students and colleagues endowed the John A. Quinn Lecture in Chemical Engineering in recognition of his service as an educator, researcher and mentor.

Note: News Atoms seeks to report on people in the field of chemistry in the greater Philadelphia area. If you have news about new hires, significant promotions, honors and awards, and those who have recently passed away, send it by email to philcatalyst@aol.com or by mail to the Philadelphia Section ACS.

NOTICE

The Philadelphia Section ACS will be transitioning the Section's email account to a gmail address: PhilaACS@gmail.com. Kindly start using this email address immediately, as the AOL address (PhilaACS@aol.com) will be discontinued at a future date, to be announced. If you have any questions, kindly call Ms. Walsh in the Section Office at (215) 382-1589. Thank you.



ACS
Chemistry for Life®

Chemists Celebrate Earth Day 2016 Illustrated Poem Contest



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

Contest Deadline: **Earth Day, April 22nd** (entries must be post-marked by this date)

Prizes: \$50.00 for the winner of each grade category
(grades K-2 / grades 3-6 / grades 7-9 / grades 10-12)

Send entries to: **Dr. William R. Smith, 3233 Dale Road, Bensalem, PA, 19020**
willsmith2@aol.com / 267-987-5395

Winners of the Philadelphia illustrated poem contest will advance to the ACS National Illustrated Poem Contest!

Write and illustrate a poem using the CCED theme, **"The Great Indoors—Your Home's Ecosystem"**. Your poem must be **no more** than 40 words, and in the following styles to be considered:

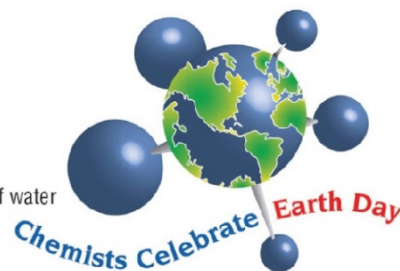
HAIKU • LIMERICK • ODE • ABC POEM • FREE VERSE • END RHYME • BLANK VERSE

Possible topics related to water and chemistry include:

- Indoor Air
- Mold
- Odor
- Indoor Plants
- Water
- Perfume

Entries will be judged based upon:

- Relevance to and incorporation of the theme
- Word choice and imagery
- Colorful artwork
- Various physical properties of water
- Any other relevant topics



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 2016 theme, **"The Great Indoors – Your Home's Ecosystem"**.
- 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 entry 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.

American Chemical Society



2016 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, 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 2039, looking back at innovations that have occurred since 2014. The innovation must fall into one of the following categories:

- * Alternative Energy Sources
- * Environment
- * Medicine/Healthcare
- * 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.

Level One – Philadelphia Local Section ACS CHEMAGINATION

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.

Deadline for submission: May 2nd

Entries must be submitted by email to philaacs@aol.com.

The Philadelphia Section of the American Chemical Society - philaacs@aol.com

675th BOARD OF DIRECTORS' MEETING
Thursday, December 17, 2015
Otto's Brauhaus, Horsham, PA.

Present: Melissa Betz Cichowicz, Deborah H. Cook, Ella Davis, Rick Ewing, Alan R. Heldon, Kathie Lysko, Christine McInnis, Kathleen Shaginaw, William Smith, Thomas S. Straub, and Victor Tortorelli

Excused: Anne DeMasi and Cynthia Palmer

Absent: Judith Cohen, Steven Fleming, Judy Summers-Gates, Douglas Hausner and John (J.P.) Northrop, James Tarver and Denise Thomas

Also present: Daria Walsh, Joe Martino, CJ Bruner, Tara Nichols, Elizabeth Wagoner and Lauren Weinrich

The 675th Board Meeting of the Philadelphia Section, ACS, was called to order at 5:02 PM. A quorum was present.

1. Minutes

Submission of the Minutes of the October and November Board of Directors Meetings was deferred.

2. Committees

A. Career Services, Joe Martino, acsphillycareerservices@gmail.com

1) Career Services is planning to market its career workshops through industrial and academic avenues. Currently, Career Services is in contact with temporary recruiting agencies to see if they wish to avail themselves of the programming of the Career Services Committee. Other avenues will be explored with the assistance of the Section Outreach Committees.

2) Career Services will be conducting two experiments concerning the Career Club. First, another attempt at a Virtual Career Club will be explored. Next, a physical Career Club will be explored as well with half-hour appointments to speak with a Career Consultant. This appointment format was utilized successfully with the "Preparing for Life After Graduate School" workshop at Temple University, so this success justifies testing this format for the Career Club. Both Career Club "experiments" will be conducted in 2016.

3) Steve Fleming will serve as the liaison between Career Services and the Education and Community Outreach Subcommittees. Rick Ewing will participate in Career Services in a limited capacity due to his responsibility as Section Chair and Chair of the ACS Committee on Economic and Professional Affairs (CEPA). Rick will report to Career Services as he sees fit with regards to CEPA issues that are relevant to Career Services. Lori Spangler, Mary Selman and Julie Kurtz have agreed to continue with Career Services for 2016. Joe Martino has been reappointed by Rick Ewing to serve as Career Services Chair for 2016. Bill Smith has asked to step down from Career Services to focus on the Education and Community Outreach Committee for which he chairs.

Joe Martino would like to thank Steve, Rick, Lori, Mary and Julie for their continued participation in Career Services – all have been very active, helpful and supportive of the Committee's mission. Joe would also like to thank Bill Smith for his participation in Career Services. Bill has been very active on the Career Services Committee in his participation with career workshops and in our monthly teleconferences giving his input and advice.

B. Finance and Budget Committee, Vic Tortorelli, vtortorelli@ursinus.edu

Executive Session for Discussion of the Section's Office Administrator's compensation.

The Office Administrator's cost of living adjustments and terms of employment were discussed.

Executive Session for Discussion of U.Penn employees.

Gratuities to U.Penn employees performing important services to the Section Office were discussed and authorized.

Note: Pursuant to the Section's policy on financial privacy, personal financial information is deleted from the version of the Minutes of the Board of Directors published in the Catalyst. The full text of the Minutes is available at the Section Office by appointment.

C. Younger Chemists Committee, Christine McInnis, CMcInnis@dow.com

Creation of funding for the Leadership Development Course.

Propose \$3000.00 up front cost for the course with a hope of recovering the cost in the form of a grant from ACS National.

Courses:	Cooperation Across Boundaries	\$3,000.00 course cost.
	Innovation	\$3,000.00 course cost.

Charges would be \$50.00 per person.

Various aspects of the course were discussed including the need to modify the 2016 Budget to accommodate the \$3000.00 cost.

D. Liberty Bowl

The “Philadelphia Bowl” which is presented to Ulliot Lecture speakers is out of production and no longer available. There are two bowls remaining.

A Princeton jeweler has the license to produce the “Liberty Bowl” which is very similar to the Philadelphia Bowl. The current cost is \$450.00 apiece and is expected to rise. If the Section were to purchase 10-12 bowls the engraving done on the stands would be at no additional cost. And, the jeweler would store the unused bowls without charge.

Discussion of budgeting this purchase from the Ulliot fund. There was a motion to budget \$5,000.00 for the purchase of 10 bowls with the necessary line item change to the 2016 Budget. Motion passed with 1 opposed and 0 abstentions.

E. 2016 Budget, Vic Tortorelli

There was substantial discussion including a discussion of the gap between the Section’s total projected income and projected expenses. In view of the size of the gap, committees and projects requesting funding will be asked to resubmit down sized requests with detailed justification of expenses.

The 2016 Budget was tabled pending discussion and action by the Executive Committee.

F. Government Affairs Committee, Alan Heldon

A mailing, both U.S. postal and email, was sent to Pennsylvania’s legislators to support funding for science education. Emails were sent to all Pa. legislators, about 271 pieces. About 120 pieces were sent by U.S. post to leadership and select committee membership.

It was noted that our letterhead might give the impression that the Section was part of U. Penn. During political advocacy, a letterhead using the Section’s street address rather than giving Chem. Dept, U. Penn. as our address would avoid misimpression. Exemplars will be sent to the Board.

G. Younger Chemists Committee, Christine McInnis, CMcInnis@dow.com

The Poster Session will be February 22, 2016 (snow date February 24th) at the University of the Sciences. Judges are needed. See the Section website. Deadline is February 1st.

3. Officers

A. Chair, Bill Smith, willsmith2@aol.com.

Education and Community Outreach Committees formed.

Three new committees are formed under this umbrella.

Marge Matthews is stepping down as chair of the Communications Committee.

The Section is seeking to include non-ACS members in events and functions.

Annual reports from committee chairs are due.

B. Chair-Elect, Rick Ewing, ewingwre@comcast.net

Sir Fraser Stoddart has accepted as Ulliot Lecturer for 2017

C. Secretary, Alan Heldon, alan.heldon@live.com.

No report

D. Treasurer, D. Cichowicz, cichowic@lasalle.edu

The December Treasurer’s Report was submitted and approved with 0 nays and 0 abstentions.

The Section’s investments are showing greater income.

There being no additional business before the Board, the meeting was adjourned at 6:30 PM.

Respectfully submitted,

Alan R. Heldon, Secretary, alan.heldon@live.com

676th BOARD OF DIRECTORS MEETING

Thursday, January 21, 2016

University of Pennsylvania, Philadelphia, PA

Present: Melissa Betz Cichowicz, Deborah H. Cook, Jason Cross, Ella Davis, Rick Ewing, Alan R. Heldon, Christine McInnis, Cynthia Palmer, Kathleen Shaginaw, William Smith, James Tarver Victor Tortorelli, and Elizabeth Wagoner

Excused: Anne DeMasi

Absent: Dave Cichowicz, Judith Cohen, Judy Summers-Gates, Douglas Hausner, John (J.P.) Northrop, Thomas S. Straub, and Denise Thomas

Also present: Daria Walsh, Joe Martino and CJ Bruner

The 675th Board Meeting of the Philadelphia Section, ACS, was called to order at 4:05 PM. The roll of members present and the members participating remotely was called. A quorum was present.

1. Officer's Reports

A. Chair, Rick Ewing, ewingwre@comcast.net

1) The Board was advised by the Chair that Marge Matthews wishes to retire from her duties with the Communications Committee. A group will be formed to address this serious vacancy.

2) Dow-DuPont Merger

Discussion of job consequences and Section resources available.

Discussed use of *Catalyst*, web site and other resources in response to employment needs of members.

3) Joe Martino – Career Services

The Section is starting a conversation with National regarding programs and services that will be available to members whose careers are adversely affected by the merger.

There was a consensus regarding a need to liaison with Delaware Section regarding coordinated response and use of assets.

Consensus on the need for a broad, comprehensive response based on member needs and the resources available

4) Monday, February 22, 2016, “Younger Chemists Committee Poster Session” and the monthly Section Board Meeting will be at the University of the Sciences.

Poster contest judges are needed.

5) 2016 Edgar Fahs Smith Memorial Lecture –

University of Pennsylvania, Thursday, March 3rd

Dr. George C. Schatz (Northwestern University)

Silver and Gold Nanoparticles: New Directions for Theory

Edgar Fahs Smith Memorial Lecture will be in conjunction with Section Teacher's Awards.

The early March meeting date is due to the travel requirements of members attending the ACS National Meeting.

6) Council Affairs Committee

Chair report that Anne DeMasi was elected Council Affairs Committee Chair by acclamation pursuant to an e-vote several weeks previously.

7) March *Catalyst* material due by February 2nd due to the early date of the March Meeting.

8) Changing Section's email address to a gmail.com address. Discussion. Rick Ewing to report at February meeting.

9) Discussion of finding a home for old Section documents achieved and stored in the Section office. Explore – CHF, U. Penn. Chem. Library.

B. Chair-Elect, Deborah Cook, deborahcook72@gmail.com

D. Cook reported that she will be attending the Leadership Institute in Dallas, an opportunity afforded by ACS National to Section Chair-elects.

The Chair-elect reported two vacancies on the Awards Committee. Christine McInnis and James Tarver rotated off the committee. Dr. Magid Abou Gharbia (medicinal) of Temple University and Dr. Elizabeth Wagoner (organic) of Exxon Mobil were nominated by the Chair-elect to fill these vacancies. The nominations were approved with 0 nays and 0 abstentions.

C. Secretary, Alan R. Heldon, alan.heldon@live.com

The October, November and December 2015 Minutes were submitted for approval.

The October Minutes were approved with amendment. 0 nays and 0 abstentions.

The November Minutes were approved. 0 nays and 0 abstentions.

Approval of the December Minutes was deferred to provide Board members an opportunity to review these minutes.

There was a brief discussion of alternate Section letterheads and protocols for using alternate letterhead.

D. Treasurer, D. Cichowicz, cichowic@lasalle.edu

No report.

2. Committees

A. Finance and Budget Committee, Vic Tortorelli, vtortorelli@ursinus.edu

Presentation of projected income and expenditures for 2016 against 2015. Basis - 2016 budget requests for new expenditures, continuing costs and projected incomes. Discussion - Income and expenditures for the 2016 budget are currently not close to resolution. Discussion of options.

2016 Budget tabled until February Meeting.

B. Younger Chemists Committee, Christine McInnis and Joe, CMcInnis@dow.com

February 22nd – YCC Poster Session

University of the Sciences hosting and supporting event, 160 poster capacity. Judges needed. Go to PhilaYCC.org to sign up.

C. Career Services, Joe Martino, acsphillycareerservices@gmail.com

1) Electronic submission: Career Services has begun to market its services to temporary recruiting agencies. Services include helping their clients to assisting recruiting staff with any technical communications that they may have with hiring managers. So far, this has received mixed results. Some agencies expressed no interest; others feel that, with their staff already possessing undergraduate scientific degrees need no further technical training. Career Services is of the opinion that interest in this regard will be on an agency-by-agency basis. In the meantime, Career Service once again kindly asks of the Section Outreach Committees assistance in contacting their industrial and academic contacts for interest in what we have to offer, while Career Services also makes its own efforts in this regard in earnest.

2) A Virtual Career Club will take place on April 19 from 7PM to 9PM with ACS Career Consultant Joe Martino moderating. Publicity requests have been sent to Marge Matthews, Daria Walsh and Alan Heldon for circulation in February 2016 to the Section. Career Services will be utilizing Eventbrite for registration and the Section's access to the Citrix GoToMeeting service for the Career Club.

3) Joe Martino and Lori Spangler will be attending ACS Career Consultant training from January 22-24 in Dallas, Texas.

There being no additional business before the Board, the meeting was adjourned at 5:26 PM.

Respectfully submitted,

Alan R. Heldon, Secretary, alan.heldon@live.com

Philadelphia Section Councilors at the Spring National Meeting in San Diego





CHEMICAL CONSULTANTS NETWORK APRIL 13, 2016 MEETING

CONSUMER COATINGS IN THE HOME: FACT AND FICTION

Dr. Michael J. Michalczyk

[Click here to register](#)

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

Abstract: Paints and coatings play a key role in our everyday lives and are applied to almost everything that we interact with, own and use. Coatings range from the wide palette of decorative color choices in house and car paint to protective coatings used in transportation, buildings, infrastructure, and electronics. This talk will generally review the types of coatings consumers typically find and use in their home. Because food and cooking is a large part of everyday home life, coatings that are used in cookware and bakeware will be discussed in more detail as well as their benefits and shortcomings. Newer developments and trends for consumer coatings and the coatings market in general will be highlighted.

Bio: Michael J. Michalczyk is President of Chelate Consulting, LLC, a company founded to provide technical expertise and knowledge to assist clients' needs in the chemical industry. Mike has over 28 years' experience in the chemical industry in the coatings, catalyst and polymer markets. He worked for 4 years as the R&D Director for Dorf Ketal Speciality Catalysts and for 22 years at DuPont as a research scientist in Fluoroproducts, Chemical Solutions and Central Research & Development. Mike has a B.A. in Chemistry from Knox College, a Ph.D in Inorganic Chemistry from University of Wisconsin-Madison and did postdoctoral work at University of Sussex in the U.K and at Massachusetts Institute of Technology.

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. Please park in lot if space is available; otherwise park on Trevor Lane. If lost, call the club at 610-667-4524, ext. 312. [MAP](#)

Reservation: [Click here to register to attend the event](#), 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 reservation/cancellation deadline: Saturday, April 9th. Dietary restrictions accommodated on a limited basis. There is no charge for talk only, but registration is suggested using contact information above.

DIRECTORY OF SERVICES

VOLUNTEER

Committees seeking team members

- ✓ Career Services
- ✓ Chemical Health & Safety
- ✓ Diversity
- ✓ Industrial Relations
- ✓ Liaison
- ✓ Membership
- ✓ Planning
- ✓ Public Relations
- ✓ Social
- ✓ Student Affiliate Mentor
- ✓ Awards
- ✓ Continuing Education
- ✓ National Chemistry Week
- ✓ Program
- ✓ Communications
- ✓ Tellers
- ✓ Web Page
- ✓ Younger Chemists
- ✓ Women Chemists

Contact the Section Office at PhilACS@aol.com or (215) 382-1589.

Put "Volunteer" in the subject line or leave a message including contact information.

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email: vincegale@mboservices.net

PHILADELPHIA SECTION, ACS CURRENT CALENDAR OF ACTIVITIES

Date	Event	Location
Friday, April 1	First Friday: Scholarfest - <i>Academic Feats of Strength</i>	Chemical Heritage Foundation Philadelphia, PA 19106 http://www.chemheritage.org/visit/events/public-events/2016-04-01-ff.aspx
Wednesday, April 6	Rohm and Haas Fellow in Focus Lecture: Simon Werrett, <i>Science at Home: Domestic Spaces, Thrift, and Experiment in the 17th and 18th Centuries</i>	Chemical Heritage Foundation Philadelphia, PA 19106 http://www.chemheritage.org/visit/events/public-events/2016-04-06-fellow-in-focus-simon-werrett.aspx
Wednesday, April 6	Nerd Night Philly	Frankford Hall (in the heart of Fishtown) 1210 Frankford Avenue Philadelphia, PA 19125 https://philadelphia.nerdnite.com/welcome
Monday, April 11	Delaware Valley Mass Spectrometry Discussion Group: Kerri Pratt, University of Michigan, <i>Atmospheric Mass Spectrometry</i>	Villanova University (Mendel Hall 154) Villanova, PA http://science.widener.edu/syb/msdg/
Wednesday, April 13	Chemical Consultants Network: Dr. Michael J. Michalczyk, President of Chelate Consulting, LLC, <i>Consumer Coatings in the Home: Fact and Fiction</i>	The Cynwyd Club Bala Cynwyd, PA www.chemconsultants.org
Thursday, April 14	Joseph Priestley Society: Harry Swan, <i>Driving Innovation in an SME: Graphene, Carbon Nanotubes, and Other Fun Things!</i>	Chemical Heritage Foundation Philadelphia, PA 19106 http://www.chemheritage.org/visit/events/public-events/2016-04-14-jps.aspx
Saturday, April 16	Philadelphia Girls Enjoying Science Program for Sixth Grade Girls (PAGES™)	Chestnut Hill College Philadelphia, PA http://pagesprogram.org/events/
Monday, April 18	2016 Delaware Membrane Protein Symposium	University of Delaware Newark, DE 19716 http://sites.udel.edu/cobre/symposia/2016-symposium/
Tuesday, April 19	Virtual Career Club with ACS Career Consultant Joe Martino	Internet Register at https://www.eventbrite.com/e/virtual-career-club-tickets-20811519816
Thursday, April 21	POCC Student Choice Lecture: Prof. Abigail G. Doyle, Princeton University, <i>New Directions in Nickel-Catalyzed Cross Coupling</i>	Carolyn Hoff Lynch Lecture Hall University of Pennsylvania Philadelphia, PA 19104
Thursday, April 21	Undergraduate Student Awards	McCall's Meeting and Conference Center Upper Darby, PA See details inside <i>the Catalyst</i>
April 22-30	Philadelphia Science Festival	http://www.philasciencefestival.org/
Thursday, May, 2016	Philadelphia Section Teaching Awards	TBA
June, 2016	Luncheon Honoring our Fifty-year Members	TBA
June 9-12	44 th MARM: <i>Chemistry, Past, Present and Future</i>	The College of Mount Saint Vincent Riverdale, NY www.marmacs.org

252nd ACS Fall National Meeting, August 21-25, 2016, Philadelphia, PA