

the Catalyst



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June 2018
Volume 103, No. 6



June Meeting

Dr. Amy Sue Bix

Professor of History and Director of
The Center for Historical Studies of Technology
and Science
Iowa State University

HIGHLIGHTS

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ADVANCE NOTICE

SEPTEMBER MEETING

Thursday, September 27, 2018

(This is the fourth Thursday of the month)

5:15 PM-8:00 PM

Dr. Michael H. Tunick

Assistant Clinical Professor, Drexel University
Chocolate Chemistry with chocolate sampling

Drexel University

Center for Food & Hospitality Management Academic Building
101 N. 33rd Street, 6th Floor Bistro, Philadelphia, PA 19104

<https://www.eventbrite.com/e/philadelphia-section-ac-s-september-event-tickets-45984433679>

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

the Catalyst

ACS Philadelphia Section

Founded April 15, 1899

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Comments From the Chair



Lizzy Wagoner

Summer has officially arrived and for those in academia, school is out! I want to begin by congratulating all of those who have graduated and to thank the teachers that dedicate their lives to inspiring young students to pursue their dreams. In recognition of these teachers in Philadelphia, our ACS Section hosted the Awards for Excellence in Teaching at the University of the Sciences on May 17th. Dr. Steven Fleming from Temple University received the Award for Excellence in Undergraduate Teaching and Mr. Ryan Williams from Abington Senior High School received the Award for Excellence in Pre-college Teaching. In addition to celebrating these teaching achievements in the chemical sciences at the college and high school levels, the Section was also grateful to have Dr. Andy Jorgensen, Associate Professor Emeritus of Chemistry at the University of Toledo, deliver his lecture on Global Climate Disruption.

Although celebrating students and the teachers who influence them brings to mind the beginnings of many scientific careers, the Philadelphia Section also seeks to honor those that have achieved long and outstanding involvement in the scientific community. Our June meeting, which will be held on June 21st at The Union League in Philadelphia, will be recognizing the ACS 50-, 60-, and 70-Year Members. Our speaker, Dr. Amy Sue Bix, will join our honorees in reflecting back through time during her lecture entitled *Who's that in the Lab Now? A Historical Perspective on the Women and Men of American Chemistry*. Further details for the event can be found in this issue and I hope you are able to attend!

Our next Section event will not be taking place until the last week in September. On September 27th, we will be collaborating with the Drexel University Center for Food and Hospitality Management for a delicious dinner and a talk on *Chocolate Chemistry* given by Dr. Michael H. Tunick. During his lecture, samples of chocolate will be served to help bring the topic to life. I wish you all a fantastic summer and I look forward to seeing you at our next Philadelphia Section events!

Philadelphia Section of the American Chemical Society

Board of Directors Teleconference Meeting

Wednesday, June 13th, 2018

5:00 – 7:00 PM

More information will be available on the website soon

NEWS ATOMS—*Alan Warren*

Karen Goldberg, Vagelos professor of energy research in the chemistry department at Penn, was elected to the National Academy of Sciences.

DEATHS

James Stephen Holton, polymer chemist, April 11, 2018 at 71. He worked for ARCO Chemicals and was a member of the ACS division of polymer chemistry.

Elwood “Woody” Sinson, retired chemical engineer, April 23rd, at 89. He was employed by DuPont and ICI, and retired from Astra Zeneca in 2005.

Joseph A. Burke, retired chemical engineer, April 30th at 88. He worked for DuPont and was involved in design and construction of paint, resin and plastics manufacturing plants in China, Mexico, Venezuela, Brazil, Spain, Belgium, Canada and the United States. For 60 years he volunteered in the Boy Scouts and was recognized by the Cradle of Liberty Council in the greater Philadelphia area for his many years of service.

2018 Mid Atlantic Regional Meeting MARM 2018

NanoMARM - Small Meeting, Big Results!

A One Day Meeting for the Mid-Atlantic Region

Sunday, June 3, 2018

Iacocca Hall, Lehigh University, Bethlehem PA

<http://www.marmacs.org/2018/marm2018.html>

General Meeting Chair, Dr. John Freeman: nanomarm2018@gmail.com

Poster Sessions: 3:00-4:00 PM, and 5:00-6:00 PM

Chemagination 12:00-5:00PM

Oral Sessions 12:00-2:00 PM and 2:00-4:00 PM

Plenary Speaker - 4 PM: Dr. Jenny Rampling, Assistant Professor, History of Science Program,
Princeton University:

George Ripley and the Place of English Alchemy in Early Modern Europe

Awards Dinner 6:00 -8:00 PM

Presented by:
AMY SUE BIX



ACS
Chemistry for Life®



***WHO'S THAT IN THE LAB NOW?
A HISTORICAL PERSPECTIVE ON THE WOMEN
AND MEN OF AMERICAN CHEMISTRY***

Union League of Philadelphia
140 South Broad Street
Philadelphia, PA 19102

June 21, 2018

Registration begins 11:15 AM

<https://www.eventbrite.com/e/philadelphia-section-ac-s-june-event-tickets-45328219926>

Sponsored by:



PITTCON
CONFERENCE & EXPO 2019

50, 60, 70 Year Member Event

SPEAKER'S ABSTRACT AND BIOGRAPHY

Dr. Amy Sue Bix
Professor of History and Director of
The Center for Historical Studies of Technology and Science
Iowa State University

Who's that in the Lab Now? A Historical Perspective on the Women and Men of American Chemistry

Abstract: One of the most distinctive developments in American science during the last hundred years does not derive from a specific discovery, research technique, or invention. Instead, this revolution involves something even more fundamental, re-envisioning ideas about who can and should do science. This talk explores that transformation by looking at the history of American chemistry education, from early twentieth-century food science and laboratory training, to modern campaigns for STEM outreach and diversity.

Biography: Dr. Amy Sue Bix is Professor of History at Iowa State University and director of ISU's Center for Historical Studies of Technology and Science. Her 2013 book *Girls Coming to Tech!: A History of American Engineering Education for Women* (MIT Press) won the 2015 Margaret Rossiter Prize from the History of Science Society. Bix's work on gender and engineering history received two other prizes: 2015's IEEE-USA Award for Distinguished Literary Contributions Furthering Public Understanding and the Advancement of the Engineering Profession, and the 2014 Betty Vetter Award for Research from WEPAN (the Women in Engineering ProActive Network). Bix has written widely on many topics in the history of science, technology, and medicine, including her book *Inventing Ourselves Out of Jobs?: America's Debate over Technological Unemployment, 1929-1981* (Johns Hopkins University Press, 2000) and *The Future is Now: Science and Technology Policy in America Since 1950*, co-authored with Alan Marcus (Humanity Books/Prometheus Press, 2007). Her book in progress is *Recruiting Engineer Jane and Astrophysicist Amy: American STEM Advocacy for Girls, 1965-2015*.

Section Volunteers Slime the Philadelphia Science Carnival — Tom Umile

Our Section sponsored a booth at the Philadelphia Science Carnival on April 28, 2018 from 10 AM – 4 PM on the Benjamin Franklin Parkway. The Carnival hosted over 150 sponsored booths and thousands of visitors. At the Section booth, visitors learned about cross-linking polymers and prepared “slime” samples from guar gum and borax. The demonstration attracted a huge crowd, and 450 “slime” samples were made. Thanks to the volunteers who staffed this year's PACS table: Doug Gisewhite, Melissa Grenier, James Healy, Shana Barrett Zeitlin and Destini Stanton!

HONORING OUR 50-YEAR MEMBERS

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

DR. SUSAN ROTTSCHAEFER



My interest and education in chemistry began with my BS from University of Rochester in 1966. I joined ACS while attending graduate school at the University of Oregon in Eugene where I completed a PhD in Chemistry in 1970. My pursuit of a career in chemistry followed in the footsteps of my father, Dr. Bernard W. Rottschaefer who passed away in 1998, and who was also a 50+ year member of ACS; however, we did choose different fields of chemistry.

Since the job prospects for chemists were so poor in the early '70s, I stayed on at the UO for several years as a Post Doc to set up and operate an in-house analytical/instrumental lab.

From Eugene, I moved to Pasadena, CA to set up and run a similar analytical/instrumental lab at CalTech for two years. When the job market finally started providing opportunities in 1977, I found that I was doing the forbidden transition of moving from the west coast to the east coast [suburban Philadelphia] to start work in the pharmaceutical industry at SK&F Labs. This was the career path I followed for the next 39 years at various companies in the pharmaceutical industry mostly in the realm of Regulatory Affairs and Compliance.

Retirement has allowed me to enjoy my summers at a cabin on Paradox Lake in the Adirondacks and to pursue playing tuba in local musical groups during the rest of the year near Doylestown.

It is really hard to believe that 50 years has passed since I joined ACS!

LINDA PETREE SEIWELL



Linda Petree Seiwell received her BA in Chemistry, magna cum laude, from the University of North Carolina-Greensboro. She also received her MS in Chemistry there as a Woodrow Wilson Fellow.

After graduate school, she joined E.I. Dupont's Central Research Department. There she did research on homogeneous catalysis with transition metal complexes obtaining patents and publications in this area.

Linda transferred to the Elastomers Department and worked on various projects there before ending her career in the Agricultural Chemical Department in process development. After 16 years at Dupont, she became the first professional to work part time as she balanced family and professional responsibilities. She is very grateful to Dupont personnel who were very supportive of her career including Richard Cramer, George W. Parshall and John Carberry.

After leaving Dupont, she worked to mentor young students and gave many volunteer hours doing special science programs in elementary and middle schools for which she received commendations and awards including a West Chester Area School District Partners in Education.

Linda and her husband of 45 years enjoy traveling, birding, and their two grown children and one grandchild.

DR. ROBERT LEE WEBB



Dr. Webb was born in Melbourne Australia on 3/27/1944. He received a BSc with honors from University of Melbourne in 1965; a PhD from Penn State in 1969; and did a post doc at Indiana University 1969-71 with Ernest Wenkert.

He worked at Smith Kline and French Laboratories, now GSK, from 1971-2001. Dr. Webb Worked on Tagamet, the world's first billion-dollar drug (see ACS International Historical Landmark on the discovery and development of histamine H₂-receptor antagonists November 1997 and Feb 1998). He has more than 50 publications and patents. He worked as a medicinal chemist on the anthelmintic drugs Oxibendazole and Albendazole, the anti-ulcer drug Tagamet, and a large number of other drugs and several vaccines, including the first vaccines for hepatitis.

He has been a regular participant at Gordon Research Conferences and at ACS meetings. He took a sabbatical at University of California Riverside in 1985 as professor of Organic Chemistry and taught a graduate course on drug discovery and development. Dr. Webb retired in 2001 to look after his wife Carol, who had breast cancer. His eldest son, Edward C. Webb, is a member of ACS and works in R&D currently at GSK.

His picture above is with his wife Carol at Applebrook R&D facility where the anthelmintic work was carried out in the early 1970's.

SECTION MEMBERS ALSO CELEBRATING 50 YEARS

Henrietta Bryan Bente, Peter G. Cartier, John Calvin Chintall, Thomas Francis Dooner, George Thomas Furst (deceased), David James Graves, Stephen L Goldstein, Robert R Gruetzmacher,

Richard Claude Hevey, Francis J Hilbert, Frederick George Kosel, Maria Julia Leskiw, Donald Charles Monkhouse, Roger Allan Morrison, John A. Napierski, Howard Wesley Nields (deceased), Earl Ronald Oberholtzer, Robert H. Sheffler, Kanneth Kochappan Sugathan, Walter Trizna, John M. Walts and Robert Lee Webb.

SECTION MEMBERS CELEBRATING 60 YEARS

Harold Russell Almond, Elwood P. Blanchard, Richard D. Brane, C. John Di Cuollo, Ara H. DerMarderosian, James J. Gavigan, Wolfgang Gunther, Robert N. Iacona, Johann A. Joebstl, Jules S. Lapides, Stuart Michelson, Ronald A. Pieringer, John W. Poole, Richard F. Schwab, William Novis Smith, Alan Warren, Robert Hemsley Wood.

SECTION MEMBERS CELEBRATING 70 YEARS

Frank P. Gay, Edward H. Ten Eyck, Roland E. Harper, Warne Perrault Johnson, Alan C. Knight, William Joseph Middleton and Frank M. Precopio.

Photos from the April Meeting

Group Picture



Back Row from Left to Right: Jimin Yoon, Pia Lopez, Steffany Chou, Steven Huss, Gabrielle Sawick, Ashley Arcidiacono, Cortney DelPo, Judy Fang, Amanda Tallon, Katherine Eames, Rosalind Jiaming Xu, Victoria Smith, Angelina Laudermulch, Meghan Guagenti. **Front Row from Left to Right:** Bret Unger, Luke O'Conner, Zachary Friar, Valerie Neimann, Michael Esposito, Barrett Powell, Erik Smeltz.

Speaker Dr. Lawrence DeLucas





US National Chemistry Olympiad Sets New Record for Participation in the Philadelphia Section

The Philadelphia Section hosted the National Competition of the US National Chemistry Olympiad at La Salle University on April 21, 2018. Twenty-one students from 15 different schools in the Section participated in the day-long exam, consisting of a multiple-choice portion, a short answer portion, and a laboratory practical.

The US National Chemistry Olympiad is a national ACS-sponsored program, in which 20 students are selected from all competing students in the US to attend a 2-week chemistry camp, and ultimately 4 students are selected to represent the US in the International Chemistry Olympiad, to be held this year in Bratislava, Slovakia and Prague, Czech Republic, July 19-29.

The 21 students participating in the National Exam advanced from the Local Exam, which was a 60-question multiple exam administered at their high schools. This year was a record year, with 712 students participating from 39 different schools in the Section.

Laura Grande from La Salle University and Craig McClure from Drexel University coordinated the USNCO in the Section this year. Several students from the Section were recognized with Honors from the ACS for their performance on the National Examination: Kevin Wang from Phoenixville Area High School, Ruochen Li from Upper Dublin High School, David Avery Parr from Harriton High School, Christopher Ung from Cherry Hill High School East, and Matthew Xu from Conestoga High School. These students finished in the top 144 students nationally. Preparations will begin soon to gear up for next year's USNCO.

Imagining the Future — *Bill Smith*

The Section has completed its annual CHEMAGINATION contest for 2018. High school students from across the Section territory were asked to write a notional article for *ChemMatters*, an ACS high school magazine. The articles were set in the year 2043 and reported on the outcome of an important discovery in 2018. There were four categories for the articles. Each member of each team will receive a certificate. Additionally, the First Place winners will each receive a check for \$100 and Second Place winners will each receive a check for \$50.

Section winners will proceed to nanoMARM level competition at Lehigh University on June 3rd.

Section Winners and Categories

First Place

Alternative Energy Sources - *Applying Pressure* (piezoelectricity)
Josephine Nguyen and Ashley Clark
Nazareth Academy High School, Philadelphia, PA

Second Place

Medicine/Healthcare - *Zimdo: The Pancreatic Implant*
Maria Nido and Cathryn Zimmerman
Saint Basil's Academy, Jenkintown, PA

Honorable Mentions

Environment - *Waste to Watts*
Regina Campion and Allison Lowell
Saint Basil's Academy, Jenkintown, PA

New Materials - *Eye Tech*
Angela Carter, Lauren Courtney, and Liz Kasmer
Saint Basil's Academy, Jenkintown, PA

Thank you to the following Education and Outreach Committee volunteers: Steve Fleming and Kathleen Thrush Shaginaw.

19th Annual YCC Poster Session

The YCC held their 19th Annual Poster Session on April 10th at Temple University. There were more than 100 poster presenters including high school, undergrad, and grad students and post-docs. In order to ensure each poster was judged in duplicate, there were more than 25 judges from industry and academia. In total, nearly 200 people attended the event.

This year's student planning team included Taylor Keller, Isabella Goodenough, Samer (Sam) Daher, Tolga Karsili, Rachel Parise, Megan Van Vliet and Evan Samples from Temple University. These students coordinated the logistics including finding a location on campus, coordinating the catering, obtaining the poster boards, figuring out parking for guests, and designing the venue layout. In addition to the student planning team, Douglas Gisewhite, Thomas Umile and Christie McInnis helped the team to facilitate the registration process, develop the rubric, make the advertising flyers, and share past experiences. While Michael Brignone was unable to join in person this year, he helped the team coordinate judges and get certificates for the winners in advance of the event. The team also coordinated the grad school and career fair.

One of the concerns of holding the poster session at Temple was the extra expenses associated with using their facilities. In order to ensure that there were enough funds, Tolga worked with the Temple Team to obtain additional funding from Gaussian and the Temple Chemistry Department. The YCC on behalf of the Section thanks these donors for their generous support of the poster session.

Taylor, Isabella, and Sam worked with last year's student planning team at University of the Sciences to learn the ropes of planning a poster session and pitched in to help finalize last year's program book.

This year's grad school and career fair had tables from the University of Pennsylvania, Bryn Mawr, Villanova, GlaxoSmithKline, and Getson Immigration Lawyers.

In addition to the funding donations from Gaussian and Temple University, the planning team wishes to thank the University of Pennsylvania for their sponsorship of the People's Choice Award and Dr. Tony Addison for his personal sponsorship of the Best Undergraduate Inorganic Poster.

This year's award winners are as follows:

High School Poster Award Winners



First Place: Doreen Sampeur and Yen Nguyen; **Second Place:** Pat Cooney, Josh Kinker and Logan Simon; **Third Place:** Daniel DeLuca, Luke Eddings, Kristen Gilmore, Kristopher Perez, Kayla Ruiz, Miranda Vargas and Thomas Wallick.

Undergraduate Poster Awards



First Place: Bret Unger; **Second Place:** Yingqi Lin; **Third Place:** Brendon Godshall.

Graduate Poster Awards



First Place: Connor Koellner; **Second Place:** Gloria Bazargan; **Third Place:** Natalia Molina; **Honorable Mention:** Owen O'Sullivan, Vignesh Sundaresan, and Veronica Smith.

The University of Pennsylvania Sponsored People's Choice Award - Annastassia Gallo



Dr. Addison's Best Undergrad Inorganic Poster Award - Bret Unger



CONGRATULATIONS TO ALL OUR AWARD RECIPIENTS

The Temple Planning Team



The Full Poster Session Planning Team



Chemists Celebrate Earthweek — *Bill Smith*

The Section celebrated Earth Week in April as K-12 students wrote and illustrated poems using the CCEW theme, *Dive into Marine Chemistry*. The poems came in the form of Haiku, Limerick, free verse, and blank verse. Topics included alginate, coral, bioluminescence, salinity, seaweed, thermal vents, and oil spills.

Each of the 96 students who participated will receive a certificate of Honorable Mention from the Section. First Place winners in each of the grade categories will receive a First Place certificate and a \$50 prize. Additionally, our Section's winners have been submitted to National for possible further prizes and recognition at that level.

We congratulate the following first place winners:

Section Winners:

K-2 Robert Raushi, Pennell Elementary School, Aston, PA

3-5 Faye Liu, Parkside Elementary School, Brookhaven, PA

6-8 Matt Corr, Devon Prep., Devon, PA

9-12 Sara Hughes, Bristol High School, Bristol, PA

Thank you to the following Education and Outreach Committee volunteers: Liz Bish, Steve Fleming, Lee Hoffman, Jean Mihelcic, Kathleen Thrush Shaginaw, Deborah Fox Walsh, and Wenqing (Vicky) Xu.

Robert Raushi

Whenever I go in the ocean
I need to put on some lotion.
I like seaweed and kiwi.
Seaweed has chemicals; so does algae.
Fish are sometimes on a dish.
Someday I will make a seaweed wish.

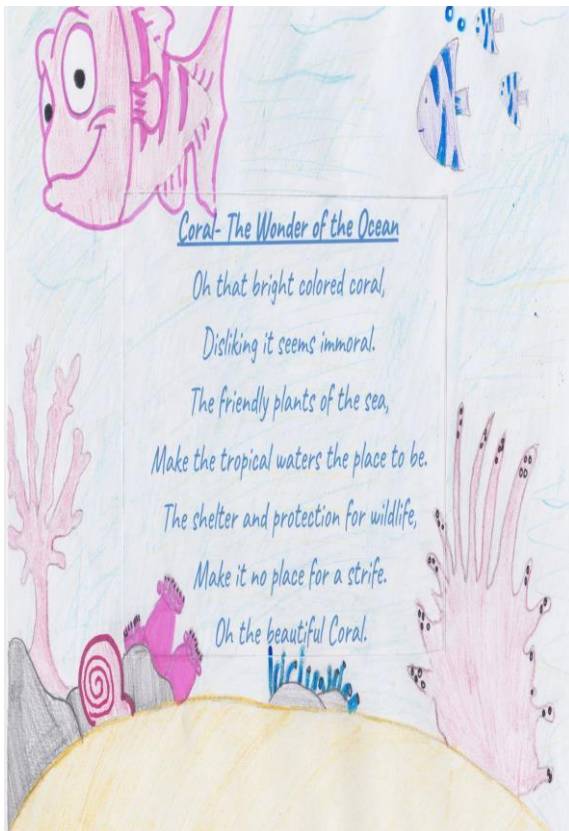


Faye Liu

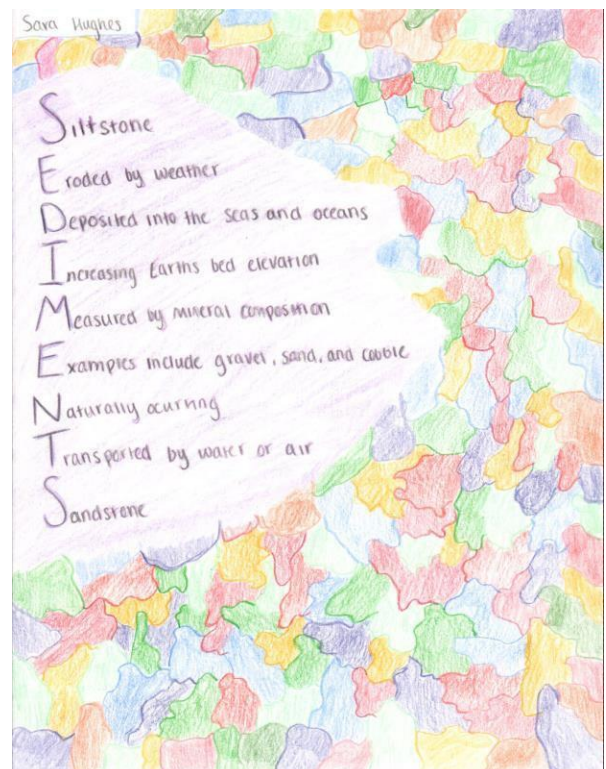
A Thermal Vent
Blows boiling water
Causing the fish to go away
Down in the ocean is the only place you will find them on the
Earth



Matt Corr



Sara Hughes



CHEMICAL CONSULTANTS NETWORK

JUNE 13, 2018 MEETING

ANNUAL OPEN FORUM

AL FRESCO BUFFET

SPOUSES WELCOME!!!



DATE & TIME: WEDNESDAY, JUNE 13 AT THE CYNWYD CLUB, BALA CYNWYD, PA
NETWORKING, 5:30 PM; BUFFET, 6:15 PM; FORUM & BUSINESS SESSION, 7:30 PM

[Click here to register](#)

Program: As in the past, we will informally exchange questions and experiences relating to our activities as independent chemical consultants or our interests in becoming one. 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. [MAP DIRECTIONS](#)

Reservation: [Click here to register to attend the event](#), or e-mail CCNReservations@aol.com or leave a message at the CCN phone number: (267) 666-0949. Fee, including food and beverages, is \$25 for individuals or \$40 per couple by reservation/cancellation deadline: Saturday, June 9th.

DRESS IS CASUAL. IF THIS NOTICE IS RECEIVED AS AN EMAIL, DO NOT REPLY; USE ONLY LINKS OR PHONE.

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Are You Getting the Benefits of CCN Membership or Event Participation?

THE CHEMICAL CONSULTANTS NETWORK PROVIDES VALUABLE TOOLS FOR MEMBERS BEYOND THE MEETINGS AND NETWORKING. CHECK OUT OUR:

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- [Consultants' Directory](#) – find consultants who can help you solve your problems & meet your needs
- [Blogs](#) – did you know that chemists can blog? Yes! A broad range of subjects of value to all of us...
- [Resources](#) – useful & helpful information and references
- [Join!](#) Most valuable – post your consulting practice information – and have greater visibility!
- If you'd like to speak with one of our members, come to a CCN meeting or call 267-666-0949.

697th BOARD OF DIRECTORS MEETING
February 15, 2018
Dad's Hat Distilling, Bristol, PA

Present: David Cichowicz, Melissa Cichowicz, Deborah Cook, Jason Cross, Ella Davis, Rick Ewing, Anne DeMasi, Erin Fruchey, Sharon Haynie, Alan Heldon, Kathie Lysko, Joseph A. Martino, Christie McInnis, James Murray, Kathleen Thrush Shaginaw, Victor J. Tortorelli, Elizabeth Wagoner, Flory Wong Michael Vogel

Excused: Lee Hoffman

Also present: CJ Bruner, Bill Smith, Judith Currano

The 697th Board Meeting of the Philadelphia Section, ACS, was called to order at 4:34 PM. A quorum was present.

1. Minutes

The Minutes of the December '17 and January '18 Board Meetings were submitted to the Board.

- On motion, the December '17 Board Minutes were approved as submitted with 0 nays and 0 abstentions.
- On motion, the January '18 Board Minutes were approved as submitted with 0 nays and 0 abstentions.

2. Officers

A. Chair, Elizabeth Wagoner, ewagoner22@gmail.com

1) Substantial discussion of decoupling Section Board Meetings from the Section's monthly public event. Holding the Board meeting totally separately from the public event. Discussion included:

- a) Different dates;
- b) Later start times for the Board Meeting to accommodate work schedules. Leaving work early and the PM rush hour are formidable impediments;
- c) Greater flexibility of venue for Board Meetings, pros and cons, was discussed at length.
- d) Which monthly meetings were most suited and least suited to separation was discussed. The May and June Meetings are current candidates for holding Board meetings separated from the monthly public event.
- e) Holding an all-electronic Board Meeting was discussed.
- f) A related discussion was how to streamline Meeting procedures. Pre-meeting reports; pre-meeting e-discussion and resolution of problems, discussing and e-voting questions outside of the meeting environment were discussed.

2) March 15th Edgar Fahs Smith Lecture, University of Pennsylvania.
Caterer canceled, looking for a new caterer.

B. Chair-Elect, Flory Wong, flory.wong@gmail.com

1. Awards Committee – nominations for awards received.
2. The Awards Committee has lost two members so the Committee is looking for two new volunteers. Nominations welcome.
3. The Chair-Elect regretfully advised the Board that employment required she move and, so, would be unable to serve as Chair-Elect after this coming June.

Applicable Bylaws requirements were outlined. A Chair-Elect can be appointed by the Board for the remainder of 2018. The office of Chair for 2019 will be filled at the next Section election. Two or more candidates must stand for Chair-Elect. The highest vote getter will be Chair for 2019 and the second highest vote getter will be Chair-Elect in 2019 and become Chair in 2020.

C. Secretary, Alan Heldon, alan.heldon@live.com
No report.

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

The Treasurer's Final 2017 Report, Investment Funds 2017 Report, Investment Funds 2018 Report, and February 2018 Treasurer's Report were distributed electronically prior to this meeting.

On motion, the 2017 Reports were approved with 0 nays and 0 abstentions.

On motion, the February 2018 Report was approved with 0 nays and 0 abstentions.

E. Past Chair's Report, Deborah H. Cook, deborahcook72@gmail.com

Thank you(s) for help with the Section's 2017 Annual Report.

It was noted that Libby Harper's husband passed away.

4. Committees

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

Career Services is currently coordinating with Philly YCC and the ACS BIOT Mid-Atlantic Student Chapter for a career event. We have tentatively scheduled the event for October 10th, 2017 from 6:00 PM to 9:00 PM in the Villanova Room of the Connelly Center of Villanova University. An application for an ACS Corporation Associates Local Section Grant to offset costs for the event has been submitted pending review. Philly YCC, the ACS BIOT Mid-Atlantic Student Chapter and Career Services have agreed to a three-way split of costs incurred and any income obtained. This event will consist of a "one-stop-shopping" career event, consisting of a speed networking station with industrial and HR representatives, a station for resume reviews, and a station for mock interviews. The Philadelphia law firm of Getson and Schatz has expressed an interest in participating in this event to provide one-time, free informational session to interested participants. All of this will be fed through a networking area where constant networking will take place throughout the event. Doug Gisewhite and Mike Vogel of Philly YCC and Kelsey O'Donnell of the ACS BIOT Mid-Atlantic Student Chapter are the co-coordinators of this event in conjunction with Career Services. (Mike Vogel provided the verbal report of this event to the Section Board of Directors.)

The February 28, 2017 Career Club has been rescheduled to March 7, 2017. The time remains the same (4:00 PM to 6:00 PM), as well as the location (Community Center of the Giant Super Food Store, Willow Grove, PA). A representative from the Philadelphia law firm of Getson and Schatz will be present to provide one-time, free information to interested participants. The rescheduling was done to provide the law firm with a private meeting place for their discussions. Getson and Schatz has expressed an interest in participating in all Career Club meetings for 2018. Also, ACS Career Consultant Dennis Murphy will be joining Joe Martino and Lori Spangler in counseling career clients. Career Services thanks Lori Spangler for coordinating with the Community Center as well as Marco Pignone III, Esq. of Getson and Schatz for their generous assistance with our events.

ACS National is planning an update for ACS Career Consultants at the Spring National Meeting to be held in March 2018 in New Orleans. Career Services has been informed by ACS National that there is a plan for an ACS National Career Services regional road tour, and ACS National has expressed an interest in the activities of our local Career Services Committee. The information obtained from this update will be utilized to plan our Career Services strategy meeting, which will be an in-person meeting to take place in 2018.

B. Younger Chemists Committee, Christine McInnis, mcinnis@gmail.com

1. YCC's Twitter War is in progress.
2. Poster Session preparation under way. Temple students are doing well.
3. Introduced a discussion of promoting ACS membership to graduate students, post-grads and early career chemical professionals. Applicable early career professionals – industrial and academic? The Student Awards at the April Section Meeting would be an auspicious opportunity.

C. Education and Outreach Committee, Bill Smith, willsmith2@aol.com

Written and oral report:

Events and Status

1. Herb Bassow Memorial Chemical Demonstrations, *Completed*

Project Coordinators: Jaskiran Kaur (jkaur@temple.edu), Daniele Ramella (daramella@gmail.com)

Temple University, Beury Hall

Wednesday, December 13, 2017, 11 AM to 2 PM

Approximately 450 participants:

90 middle school kids	40 college student volunteers
250 high school kids	10 facility management personnel
30 adult chaperons	25 non-school-affiliated attendees
5 adult volunteers	(walk-in families)

Four Temple University institutions involved in planning:

College of Science and Technology
Department of Chemistry

TU Teach program of the Allegra Family Center
Temple University Chemical Society

- 12-15 demos run in the auditorium,
- 9 hands-on activities for kids:
- 350 bags of goodies handed-out, including: Lab goggles, Lab coat, Drawstring bag, Pencil and pencil holder/cup, and a "chromatography T-shirt."
- 300 pizza pies and 150 cheesesteak sandwiches
- 9 gallons of (liquid nitrogen) ice cream churned and eaten
- 3.5 hours of fun

The total cost of the operation pushed \$5,000, counting materials, food, bags of goodies and facility costs. It was partially covered by Temple Chemistry Department, but most of the cost was covered by the College of Science and Technology.

Additional volunteers: Alan Bronstein, Hugh Scott Donovan, Robert Farber, Jill Moyer

Allison Cutri, Alex Bruefach, Vanessa Fisher, Jackie Lee, Lucas Popilloc, Jane Gaisinsky, Hira Ilyas, Majd Tobaje, Adam Bdeir, Christina Wilson, Leslie Lam, Waleed Nowayti, Bikramjit Benipal, Kyle Winters, Maria Velopolcek, Isabella Rosa, Emma Krampe, Sophia Adler, Aubrey Haggerty, Caroline Wilson, Andrew Blasek, Michael Belperio, Muath Giaddui, Drew Liprando, Ryan Sharp, Titus Samuel, Ken Sperling, Natalie Keener, Susanna Ostrowski, Olivia Das, Jordan Aguirre, and Michael Partington.

The Section wishes to extend particular thanks to Susan Jansen Varnum, Professor and Associate Dean for Science Education at Temple University and Dan Strongin, Chair of the Chemistry Department, Temple University for their support.

2. National Chemistry Olympiad, *Pending*

Project Coordinators: Laura Grande (grandel1@lasalle.edu), Craig McClure (cpm76@drexel.edu)

- Approximately 900 students from approximately 40 schools are expected to participate.
- High school level examination will be administered at the schools on March 14-15th.
- National Examination will be administered at La Salle University on April 21st.

3. Chemists Celebrate Earth Week, *Pending*

Project Coordinator: Bill Smith, willsmith2@aol.com

April 22 – 28, 2018

We have received the following support materials from National:

750 copies <i>Celebrating Chemistry</i> (English)	100 CCEW stickers
250 copies <i>Celebrating Chemistry</i> (Spanish)	12 CCEW pencils
	50 CCEW tattoos

CCEW Illustrated Poem Contest: K-12 students from throughout the Section area will create an Illustrated Poem on the theme of "Dive Into Marine Chemistry." All participants will receive a certificate and a first and second place winner from each of three grade bands will receive an award check from the Section. First place winners will proceed to National for the next level.

4. Philadelphia Science Festival, *Pending*

Project Coordinators: James Brooks, (jbrooks165@gmail.com), Tom Umile (umile.t@gmercyu.edu)

Saturday, April 28, 2018

Planning underway.

5. Project SEED, *Pending*

Project Coordinator: Lee Hoffman, (lwh28@drexel.edu)

Added a new venue and sponsor: Adam Eyring, Supervisor – Materials Analysis,
Bureau of Laboratory Services, Philadelphia Water Department

There being no additional business before the Board, the meeting, on motion, was adjourned at 5:52 PM.

Respectfully submitted,

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

DIRECTORY OF SERVICES

CAREER DEVELOPMENT

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:

www.membership.acs.org/p/philadelphia

or by calling the Philadelphia Section Office (215) 382-1589.

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

Date and Time	Event	Location/Information
Sunday, June 3 All day	2018 NanoMARM Meeting	Iaccoca Hall Lehigh University Bethlehem, PA
Wednesday, June 13 5-7 PM	Philadelphia ACS Board of Directors Teleconference Meeting	More information will be available on the website soon
Wednesday, June 13 5:30 PM Networking 6:15 PM Buffet Dinner 7:30 PM Forum	Chemical Consultants Network Meeting <i>Annual Open Forum</i>	The Cynwyd Club 332 Trevor Lane Bala Cynwyd, PA 19004 Registration and additional information is available at http://chemconsultants.org/page-1641395
Thursday, June 21 11:15 – 3:00 PM	Philadelphia ACS Section Meeting Luncheon honoring our 50-, 60-, and 70-Year Members	The Union League 140 S. Broad Street Philadelphia, PA 19102 See this issue of <i>the Catalyst</i> for details https://www.eventbrite.com/e/philadelphia-section-ac-s-june-event-tickets-45328219926
Thursday, September 27 5:15 – 8:00 PM	Philadelphia ACS Section Meeting Speaker: Dr. Michael H. Tunick <i>Chocolate Chemistry</i> with chocolate sampling	Drexel University Center for Food & Hospitality Management Academic Building 101 N. 33 rd Street, 6 th Floor Bistro, Philadelphia, PA 19104 https://www.eventbrite.com/e/philadelphia-section-ac-s-september-event-tickets-45984433679
Please check the individual websites for additional updated information		
All content submissions are due on the 15 th day of the month prior to publication		

**August 19-23, 2018
256th American Chemical Society National Meeting and Exposition
Boston, MA**

https://www.acs.org/content/acs/en/meetings/national-meeting.html?sc=home_meetings_180116_mtg_BO18_od