ADVANCE NOTICE

MAY MEETING

Philadelphia Section Volunteering Event
Location and Date to be shared at www.phillyacs.org

See the May issue of the Catalyst and our website for details, call the Section Office at (267) 485-1792 or email PhilaACS@gmail.com
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Advertising: Victor Tortorelli, vtortorelli@ursinus.edu
Dear Members and Friends of the Philadelphia Local Section,

As we step into spring and the vibrant month of April, I extend my gratitude to each of you for your ongoing support and active participation in our section’s activities.

First, our apologies for the postponement of the Edgar Fahs Smith lecture originally scheduled for March. We understand the inconvenience this may cause and are working diligently to reschedule this insightful event as soon as possible. Your patience and understanding are greatly appreciated.

This month, we have two events we would like to highlight: our Excellence in Teaching and Student Scholastic Achievement awards ceremony and our YCC Spring Poster Symposium. Details for both are below, and additional information can be found later within the pages of this issue of the Catalyst. We hope you can join us for one or both of these exciting events!

**Awards Ceremony: Excellence in Teaching and Student Scholastic Achievements**

On May 1, we will gather at the historic Grey Towers Castle at Arcadia University to honor educators as well as undergraduate students who have exemplified excellence within our community. The evening will include networking, dinner, and awards presentations. We hope you can join us in celebrating both teaching achievements as well as student scholastic success. Tickets are $30 and are available at [https://pacs-2024-04.eventbrite.com](https://pacs-2024-04.eventbrite.com).

**YCC Spring Poster Symposium**

The Younger Chemists Committee invites all to participate in the Spring Poster Symposium on April 11th at the University of Pennsylvania’s Nobel Laureate Hall, colloquially known as “The Pit” of the Chemistry building. This symposium promises to provide an exceptional platform for sharing research and fostering collaborations. All are welcome to join to learn about the innovative work in our local community! Those interested in presenting can submit an abstract at [https://tinyurl.com/YCCPoster24](https://tinyurl.com/YCCPoster24).

Looking ahead, I am excited to share additional upcoming events that promise to enrich our Section’s calendar:

- **MARM 2024**: The 52nd ACS Mid-Atlantic Regional Meeting will take place from June 5-8, 2024 at Pennsylvania State University. For information on how to join, visit [https://sites.psu.edu/marm2024/](https://sites.psu.edu/marm2024/).

- **MARM Chemagination**: As part of MARM 2024, the Chemagination competition invites high school students to project into the future of chemistry and its impact on society. For details, visit [https://marmacs.org/chemagination/](https://marmacs.org/chemagination/).

More details about both of these upcoming MARM activities can be found later in this issue of the Catalyst.
Lastly, I encourage you to stay connected and up-to-date with our activities by following us on LinkedIn.

Your commitment and contributions to the Philadelphia Local Section of the American Chemical Society are what make our community so vibrant and impactful. Thank you for your continued support, and I look forward to seeing you at our upcoming events.

Warm regards,
Dr. Matthew Irwin
Chair, ACS Philadelphia Local Section

NEWS ATOMS—Alan Warren

Joseph S. Francisco, distinguished professor in the department of chemistry in the School of Arts & Sciences at Penn, will receive the 2024 Theodore William Richards Medal. The Richards Medal is awarded for conspicuous achievement in any area of chemistry and honors the US’s first chemistry Nobel laureate. It is given every two years by the ACS Northeastern Section.

DEATHS

Darwin J. Prockop, molecular biologist, January 22, 2024 at 94. Known for his discoveries in biochemistry and cell biology, he was a professor of medicine at Penn from 1961 to 1972, and then served as professor and chair of the biochemistry department at the University of Medicine and Dentistry of New Jersey in Piscataway. In 1986 he was named professor and chair of the biochemistry and molecular biology department at Jefferson, and also became professor and director of the Center for Gene Therapy at Hahnemann and Allegheny Universities from 1996 to 2000. Prockop was elected to the National Academy of Sciences, National Academy of Medicine, and National Academy of Inventors.

David M. Capuzzi, longtime physician and medical researcher, February 15th at 85. He conducted investigations in cholesterol, triglycerides, and heart disease. He chaired research at Lankenau Medical Research Center, was director of the lipids disorders center at the Medical College of Pennsylvania, and director of cardiovascular disease prevention at Thomas Jefferson University Hospital. Capuzzi also taught at Penn’s Perelman School of Medicine and served on an advisory panel for the US Food and Drug Administration.

Edward Stuart Kronenberg, III, retired chemical engineer, February 26th at 85. After active duty at the US Army Ordnance Guided Missile School at Redstone Arsenal in Alabama, he joined Armstrong World Industries in 1964 as a process engineer. He worked at several of the company’s locations over the years and retired in 1995.
Note: News Atoms seeks to report new hires, significant promotions, honors and awards, and those who have recently passed away from the field of chemistry in the greater Philadelphia area. If you have a news item for this column, send it by email to PhilaACS@gmail.com or by mail to the Philadelphia Section.

OPPORTUNITIES TO VOLUNTEER

Younger Chemists Committee Program and Event Planning Volunteers: The Younger Chemists Committee (YCC) is a committee of the Philadelphia Local Section focusing on the needs of undergraduate, graduate, post doc, and early career chemists under 35 years old. The committee is looking for volunteers to help with program planning this year! This is an excellent opportunity for students and early career chemists to assume leadership roles and network with likeminded scientists within the ACS community. The estimated time commitment would be less than 1 hour per week.

All interested individuals can reach out to Isaac Choi at:
yongsuk.isaac@temple.edu

MARM 2024

The 52nd ACS Mid-Atlantic Regional meeting, MARM 2024 will be held June 5-8, 2024, and hosted by the Central PA Local Section, at the Pennsylvania State University, Eberly College of Science, State College, PA. The meeting’s theme will be “Celebrating Discovery.” 2024 is the Philadelphia Local Section’s 125th anniversary, the 100th anniversary of the Central PA Local Section, 250 years since Joseph Priestley’s discovery of oxygen, and the 150th anniversary of the 1874 first US Chemistry Congress. Registration is now open; Details at: https://sites.psu.edu/marm2024/

ACS CAREER CONSULTANTS

Would you like to speak to a local ACS Career Consultant? The Philadelphia Section career consultants can provide one-on-one career advice, resume reviews, or mock interviews. Please send an email request to acsphillycareerservices@gmail.com to set up an appointment.
759th ACS Philadelphia Section Board of Directors Meeting
April 18th, 2024
Via Teleconference

CODE OF CONDUCT
As members of the Philadelphia Section of the ACS, we shall abide by the Chemists’ Code of Conduct which states in part that “Chemical professionals should seek to advance chemical science while striving for the highest standards of scientific integrity. Chemical professionals should treat others with respect and will not engage in discrimination, harassment, bullying, dishonesty, fraud, misrepresentation, coercive manipulation, censorship, or other misconduct. Such actions apply to all professional, research, and learning environments.”

AGENDA
(Meeting will convene at 7:00 PM and end promptly at 8:00 PM.)

I. Roll Call
II. Approval of Meeting Minutes
III. Officers’ Reports:
   a. Chair – Matt Irwin
   b. Immediate Past Chair – Graham Dobereiner
   c. Chair-Elect – Wei Guo
   d. Secretary – Andrew Devany
   e. Treasurer – Wei Wang
   f. Chair of Council Affairs – Anne DeMasi

IV. Committee Reports
   a. Budget & Finance – Vic Tortorelli
   b. Career Services – Jim Murray

V. Other Business

For those participating by teleconference: All Officers and Directors should have received a Google Calendar invitation with a Zoom Link. For those who have not received this information as well as for your convenience, please use the following information to access the teleconference:

By Internet: register by following this link:
https://american-chemical-society.zoom.com/j/86436282837?pwd=ST1wT9yuNWN1Z1Myd2ZUXQj4wSHVjdz09
Zoom Meeting ID: 864 3628 2837
Password: 568816

By Phone:
Phone Number: +1 646 558 8656 or +1 301 715 8592
Access Code: 864 3628 2837
Password: 568816

Matthew Irwin
Chair
mitirwin.acs@gmail.com

Andrew Devany
Secretary
andrewpdevany@gmail.com

Section Office
PhilaACS@gmail.com

Cc: Officers & Directors
Counselors & Alternate Counselors
Committee & Group Chairs

American Chemical Society – Philadelphia Section
231 South 34th Street, Office – 5th Floor, Philadelphia, PA 19104-6323
T phillyacs.org
Younger Chemists Committee of the Philadelphia ACS Spring Poster Symposium

April 11, 2024
5 – 8 PM University of Pennsylvania Nobel Laureate Hall

Abstract Submission Deadline: April 5, 2024
Submission Form: http://tinyurl.com/YCCPoster24

All Chemistry Attendees Welcome
Assemble your teams of 3-5, proudly represent your university, and ignite the competition as you battle for the chemistry trophy in the ultimate collegiate showdown!

Science Education and Research Center (SERC) @ Temple University
April 20th, 2024
10 am - 3 pm

REGISTER HERE!
CHEMAGINATION COMPETITION FOR HIGH SCHOOL STUDENTS

DESCRIPTION AND RULES

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 acs.org, and look under Education: http://www.acs.org/content/acs/env/education/resources/highschool/chemmatters.html.

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 2049, looking back at innovations that have occurred since 2024. The innovation must fall into one of the following categories:

* Alternative Energy
* Environment
* Medicine/Health
* 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 therapeutics, medical devices and/or implants and new energy sources.

RULES

ARTICLES must:

- be written by a team of two or three students; each student may be on only one team.
- be about 1,000 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 over the “past” 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: Members of the first-place team in each of the four categories with each receive $50 from the Philadelphia Local Section of the ACS. Additionally, members from the first-place team in each of the four categories will be invited to present their article at the Middle Atlantic Regional Meeting of the American Chemical Society CHEMAGINATION contest to be held at Penn State University in State College, PA on June 3, 2024.

DEADLINE: Teams must submit a completed entry form and article (including magazine cover) to phillyacs.education@gmail.com no later than SUNDAY, APRIL 28, 2024. Entry forms may be downloaded at: https://bit.ly/39mR0Rl. Winning teams will be notified on or around May 6 to ensure time to prepare for the regional competition.

The Philadelphia Section of the American Chemical Society
2024 CCEW Illustrated Poem Contest
Get a Charge Out of Chemistry

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: Sunday, April 28, 2024 at 11:59 PM Eastern
Local Prizes: $50 for the winning poem in each category: (grades K–2, 3–5, 6–8, & 9–12)
Local Contact: Tom Umile (phillyacs.education@gmail.com)
Submission: Submit a PDF of your entry at https://forms.gle/MRWpLR9iQ4yvFAoGA

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

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Write and illustrate a poem using the CCEW theme, “Get a Charge Out of Chemistry.”
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 the **battery** theme include:
- Alkaline batteries
- Anode
- Atoms
- Cathode
- Disposable batteries
- Electrons
- Rechargeable batteries
- Renewable energy

Entries will be judged based upon:
- Artistic Merit - use of color, quality of drawing, design, and layout
- Poem Message - fun, motivational, inspiring about yearly theme
- Originality - unique, clever and/or creative design
- Neatness - free of spelling and grammatical errors

Contest rules:
- All poems must be no more than 40 words, and in one of the following styles to be considered: Haiku, Limerick, Ode, ABC poem, Free verse, End rhyme, and Blank verse.
- Entries are judged based upon relevance to and incorporation of the CCEW theme, word choice and imagery, colorful artwork, adherence to poem style, originality and creativity, and overall presentation.
- All entries must be original works without aid from others. Poems may be submitted by hand on an unlined sheet of paper not larger than 11” by 14” or scanned and sent via email. Illustrations may be created using crayons, watercolors, other types of paint, colored pencils, or markers. The illustration may also be electronically created by using a digital painting and drawing app on a computer, tablet, or mobile device.
- The text of the poem should be easy-to-read and may be typed before the hand-drawn or digital 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.
- No clipart or unoriginal images can be used.
- Only one entry per student will be accepted; all entries must include an entry form.
- If the illustration is created using a digital painting or drawing app, the name of the program must be included on the entry form (No AI).
- Acceptance of prizes constitutes consent to use winners’ first name and last initial, along with the name of the ACS Local Section, on the ACS web pages and in the magazine, Chemical & Engineering News.


The 757th Board Meeting of the Philadelphia Section, ACS, was called to order at 7:01 PM and Matthew Irwin read the ACS Code of Conduct.

I. Roll Call
   Roll was taken, a quorum was present, and the meeting began.

II. Approval of Meeting Minutes
   The January 11, 2024, 756 BoD meeting, minutes were approved with few amendments.

III. Officers’ Reports:
   ● Chair – Matthew Irwin
     ○ ACS hosts Senior, younger, disabilities, womens and career chemists committees, and Jefferson chemistry student on Saturday, March 2nd at Science History Institute
     ○ Edgar Fahs Smith Awardee has been chosen and date has not been set

   ● Immediate Past Chair—Graham Dobereiner
     ○ Annual report deadline is Thursday, February 15th
     ○ Asked to please enter details for previously organized events by Friday, February 9th described below:
       ▪ Basic details such as event name, description, date
       ▪ Categories and goals from ACS Strategic Plans
       ▪ Event partners and volunteers
       ▪ Expenses and associated documents

   ● Chair-Elect – Wei Gao
     ○ Attended ACS Leadership Development Institute (IDL) local section leader track in Atlanta during January 26-28 and learned about ACS resources, activities, opportunities to collaborate with other groups (academic and industrial), and communication. The meeting recognized that Philadelphia Local Section will celebrate its 125th anniversary
     ○ Mentioned ACS CEO Albert G. Horvath, District III director Bonnie Lawlor, and New WCC chair, Lorena Tribe at PennState Berk are all looking forward to the invitation from our Local Section, and are happy to join in ACS Philly ACS’s collaboration 125th celebration
○ Mentioned that the IUPAC Global Woman Breakfast (GWB) virtual event with California section of the American Chemical Society (CALACS) will be on February 27th via web meeting. This had been mentioned in December meeting
○ Lunar New Year Banquet is coming up on February 15th and there is a 50% discount for students
○ Reached out to Organic Chemistry Club but they cannot change time/date for event. Will discuss with them in future on timing and organization of events
○ Past-Past Chair, Ivona, will visit DOW Chemical Collegeville site on February 22nd for the RISE event to introduce Philadelphia ACS Local Section to DOW new employee network. It will open the door to welcome more industry volunteers and expand our local chapter employee network

○ Secretary – Andrew Devany
  ○ No report

○ Treasurer – Wei Wang
  ○ No Report
  ○ Commended for great help in Zillow payment and tracking payments

○ Chair of Council Affairs – Anne DeMasi
  ○ Confirmed from nine councilors they will be attending ACS council in New Orleans. There was expressed concern about whom to list as an alternate for ACS Council
  ○ Mentioned that the Ad Hoc committee meeting on 125th anniversary will not occur April but potentially in September or October
    ▪ Trying to find reasonable price for event and dinner and had allocated $3,500 for IPG grant
    ▪ Will be inviting Judy Giordan or another great speaker

IV. Committee Reports
○ Career Services – Jim Murray
  ○ No Report.

○ Philadelphia Area Chemistry Competition, PACC - Catherine Bentzley
  ○ No Report.

○ MARM - Judith Currano
  ○ No Report.

○ Budget – Vic Tortorelli
  ○ No Report.

Next meeting, Thursday, March 14th, 7:00 PM
The meeting was adjourned at 7:46 PM.
Andrew Devany
CHEMICAL CONSULTANTS NETWORK MEETING
APRIL 10, 2024

BEYOND STOCKS & BONDS: ALTERNATIVE INVESTMENTS FOR INDIVIDUAL INVESTORS

Daniel Kaufman
(VP, Financial Advisor, Morgan Stanley Wealth Management)

DATE & TIME: Wednesday April 10, 2024, 6:30 PM

Click here to register

Location: Online via Zoom

Abstract: “Alternative Investments” is a term for several classes of investments beyond typical portfolio components. Alternative Investments include Registered Funds of private equities and hedge funds, Interval Funds, Private Credit Exposure, Real Estate Investment Trusts, and Managed Futures hedge funds. The advantage of integrating Alternative Investments into a portfolio is that under certain circumstances such investments offer uncorrelated returns, lower volatility, and an illiquidity premium, thus leading to improved portfolio performance.

Biography: Daniel Kaufman began his career in finance as an analyst at Bloomberg and further defined his career path by becoming a financial advisor in 2013. Dan is a financial planning specialist and holds the Series 7 and 66 securities licenses and those in health and life insurance. Dan takes a holistic approach to developing his clients’ portfolios with sophisticated investment strategies that help them achieve their short-term, intermediate, and long-term goals.

Click here to the event. This session is FREE.

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For further information and other options for promoting your company’s products and services visit:
vtortorelli@ursinus.edu

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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our editor by calling and saying you appreciate the quality and content of our newsletter. Our editor works hard to maintain a publication of interest to our membership. Oh, and by the way you could also give credit to our advertisers who financially support us.

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