
THE OCTAGON



SEPTEMBER 17TH MEETING AT DA VINCI SCIENCE CENTER



We're hoping this big guy will help us take a bite out of COVID-19 malaise with our first mask-to-mask meeting! Join us for a tour of Da Vinci's *entirely outdoor, socially distanced, contact-free* BRICKLIVE-Ocean exhibit, hear about future plans for the Center and congratulate the awardees at our delayed spring awards presentation.

Thursday, September 17th, 2020, 5:30pm – 7:30pm
Da Vinci Science Center, 3145 Hamilton Blvd. Bypass, Allentown, PA 18103

5:30-6:30 pm: welcome at tented area on the north side of the Center (next to the parking lot). We'll collect into small groups for 45 minute tours of the outdoor BRICKLIVE-Ocean exhibit including demonstrations on global water ecology and the impact of increased atmospheric CO₂ on ocean ecosystems by Da Vinci staff. <https://www.davincisciencecenter.org/>

6:30-7:30 pm: reconvene in the tented area for the program.

- Da Vinci Science Center (Lin Erickson, CEO and Director; Tyler Groft, Education Director)
- LVACS (awards and short business meeting)

Meeting Fee (covers tour and demos): \$12 per person.

In view of local, state and CDC recommendations, masks and distancing will be required. Water (DSC will provide Eco-friendly water or bring your own) is permitted but no other beverages or food.

REGISTER: https://docs.google.com/forms/d/1k89AwfXbB9UTy-0lw1iKz0pg4Q7GA4rT0UczBE_qook/edit?usp=sharing
CONTACT: Nigel Sanders [nigel53.sanders@gmail.com; 610-597-5645]

Fall 2020 LVACS Events

FOLLOW THE LVACS E-NEWSLETTERS, WEBSITE AND SOCIAL MEDIA PAGES FOR LATE ANNOUNCEMENTS REGARDING EVENTS.

THE EVENTS BELOW ARE SCHEDULED SUBJECT TO CHANGES IN LOCAL RESTRICTIONS.

September

Section Meeting
BRICKLIVE-Ocean exhibit & LVACS Awards Night
Da Vinci Science Center, Allentown
Thursday, September 17th 5:30 pm
CONTACT: Nigel Sanders [nigel53.sanders@gmail.com]

October

Section Meeting
Speaker: Lorena Tribe, PSU/Berks
Virtual Format
October 15th 7:00 pm - 8:00 pm (talk/business meeting)
CONTACT: Chris Hamann [chamann@albright.edu]

National Chemistry Week (virtual in 2020)
October 18th -24th
CONTACT: Lindsey Welch [lwelch@cedarcrest.edu]

November

Section Meeting
Speaker: TBA
Lehigh University, Bethlehem
Date/times TBA
CONTACT: Ned Heindel [ndh0@lehigh.edu]

LVACS communications changes...

In July, MagnetMail, our bulk email supplier, ceased supporting ACS so we have migrated to a new email platform, MailChimp, which includes hosting of our new website domain, <https://www.lvacs.org/>. The Octagon will continue to be published about 8 times/year. Don't forget to visit our social media sites on [Facebook](#), [Twitter](#), [LinkedIn](#) and [ACS Network](#).

*****LVACS ELECTIONS: NOMINATIONS ARE BEING SOUGHT FOR OFFICES OF CHAIR-ELECT, SECRETARY, TREASURER AND ACS COUNCILOR. Please consider participating in your section's governance!**
CONTACT: George Ruger, chair [gruger04@yahoo.com]

We always appreciate comments and suggestions regarding LVACS media and ideas for future activities. Drop us a line!

Nigel Sanders, secretary and newsletter editor, nigel53.sanders@gmail.com

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6. July 15th PA BioPharma Networking Group Webinar Report
7. Steve and Hannah Boyer interview: the importance of outreach and mentoring
8. LVACS NCW 2020 activities will be virtual; Berks Chem Soc plans October 12th Halloween event
9. Organic Scholarship reboot scheduled for September 19th.
10. SEED virtual summer camp report and Career activities
11. MARM 2021; ISSP19 in 2021
12. 2020 Executive Committee

ACS FALL 2020 VIRTUAL MEETING: COUNCIL REPORT

The first virtual ACS National meeting, held August 17-20, was originally scheduled to take place in San Francisco but was moved to an online platform due to concerns related to the spread of the novel coronavirus. More than 4,100 papers were presented virtually by 29 divisions and 6 committees to 6,477 ‘attendees.’



“Moving Chemistry from Bench to Market”

The meeting theme was explored via live streams from Keynote speakers, and virtual versions of the popular Sci-Mix poster session and the Expo. In all, 4067 uploads of presentations were recorded during the meeting.

The ACS Council meeting, convened online August 19th, covered a number of topics including budget, the upcoming national ACS and committee elections and recent actions of the ACS Board of Directors. The Society’s 2020 financial performance through July 31st yielded a Net from Operations of \$55.7 million, or \$25 million greater than the same period in 2019. Total revenues are \$354 million, 5% ahead of last year, and total expenses are \$298 million, or 3 percent below last year. Unrestricted Net Assets increased to \$466 million.

Ballots for the 2020 fall national election will be distributed starting on September 28th, with a voting deadline four weeks later on October 23rd. ACS members eligible to vote and with an email address on file will receive an electronic ballot with the option to request a paper ballot. Those members with no email address on file will be sent a paper ballot with the option to vote electronically. The ACS election vendor, Survey & Ballot Systems, will send three email reminders during the voting period to those who have not voted as of the reminder dates. N&E encouraged all ACS members to vote for President-Elect. Election information may be viewed at acs.org/elections.

On the recommendation of the Committee on Professional and Member Relations, the Board voted to approve the Society’s nominees for the 2021 National Science Board Public Service Award and the 2021 Perkin Medal. The Board also approved changes in the selection criteria for the Priestley Medal, the Charles Lathrop Parsons Award, and the Award for Volunteer Service to the ACS, as well as revisions to the National Awards Code of Conduct Confirmation statement.

In other actions, the Board approved an amendment to the Board Regulations on the duties of the Committee on Professional and Member Relations to include “monitoring, assessing, and facilitating the Society’s progress on Diversity, Inclusion, and Respect.” More broadly, the Board held a strategic discussion on ways to turn the ACS Core Value of Diversity, Inclusion, and Respect, one of the most important strategic issues facing the Society today, into a prioritized action plan for the coming years. The development of such a plan would be undertaken in collaboration with the Advisory Board on Diversity, Inclusion and Respect and would promote the coordination of committee activities so as to emphasize the urgency of “moving the needle” both within ACS and in the broader chemistry enterprise.

The full report: https://drive.google.com/file/d/11CDhGXhnb_pVGnxI9VMRug0o7bUgm0BX/view?usp=sharing

Have a question about ACS or its organization and operations? CONTACT our councilors:

Jeanne Berk, jrberk@cedarcrest.edu

Kelley Caflin, caflinacs@yahoo.com

LVACS WINS FALL 2020 METT AWARD

Lehigh Valley Section was successful in the most recent grant competition for ACS Members Engaging Through Technology (METT). The METT proposal, “High Quality Presentations for Lehigh Valley Members,” has been awarded full funding which will go toward purchase of a Group Video Conferencing System to allow our members to create high quality presentations for many uses including pre-recorded portions of section online events and for National, Regional and Divisional virtual meetings. Special thanks to George Ruger, Greglynn Gibbs and Caroline Multari!

Lehigh Valley Section Recognized for CCEW Virtual Events

Lehigh Valley ACS received special recognition from Chemical & Engineering News (July 13th, p 37) for its online programming before, during and after Chemists Celebrate Earth Week, April 19-25. The Section sponsored several events including an Earth Day 50 ‘Teach-In’ kick-off on April 9th, chemistry of wood, paper and papermaking on April 16th, demonstrations of the natural water cycle and edible water pods on April 18th and 25th and a review of the environmental impact of zinc processing in the Palmerton area on May 21st. These events were covered in previous editions of the Octagon and can be accessed via the links below:

April 9, 2020 (Nigel Sanders) [“EARTH DAY 50: WHAT HAS CHANGED?”](https://drive.google.com/file/d/1TwVgzISdMnJ9hVtwraJDIjcH0poiJgK2/view?usp=sharing)
<https://drive.google.com/file/d/1TwVgzISdMnJ9hVtwraJDIjcH0poiJgK2/view?usp=sharing>

April 16, 2020 (Jeanne Berk) [“Plants, Perfect Planet Protectors & more!”](https://drive.google.com/file/d/1aemUSI88asTFRBTHq3VV0jDIxsUzf54u/view?usp=sharing)
<https://drive.google.com/file/d/1aemUSI88asTFRBTHq3VV0jDIxsUzf54u/view?usp=sharing>

April 18, 2020 (Greglynn Gibbs) [“\(Re\)Cycling Water”](#)
 April 25, 2020 (Greglynn Gibbs) [“Earth-Friendly Plastics”](#)

May 21, 2020 (John Freeman, Lindsey Welch)
[“The Environmental chemistry of Palmerton PA’s New Jersey Zinc smelter site and beyond...”](https://drive.google.com/file/d/1LeBUgboUyPAXzRejvNXr1GFIG07PWYBs/view?usp=sharing)
<https://drive.google.com/file/d/1LeBUgboUyPAXzRejvNXr1GFIG07PWYBs/view?usp=sharing>

Local Teams Score at 2020 MARM Chemagination!

A total of twenty-two high school teams from the Lehigh Valley, New York, North Jersey, Philadelphia, Princeton, Trenton and Southeastern Pennsylvania Local Sections participated in this year’s regional Chemagination competition. Because of the termination of the planned MARM 2020 in June due to Covid-19, an in-person competition was not possible. Instead, Chemagination was held virtually and the rules were modified to accommodate this “venue”. Competing teams were asked to submit their articles, cover art and responses to 3 specific questions related to their “research” as entered in one of four technical categories (Medicine/Health; Alternative energy; New Materials; Environmental). Lehigh Valley Section received two Second Place awards: “The Need for Green: Changing the World One Battery at a Time” by Roxsonna Janiszewski and Srigouri Oruganty of Muhlenberg High School in the Alternative Energy category and “Nanobots: Doctors of the Future” by Jin Li, Sumbul Mukhtarzada and Rachid Pierre Louis Seraphin of Muhlenberg High School in the New Materials category. *Congratulations to Audrey Smeltzer-Schwab and her able young chemists at Muhlenberg HS and thanks to John Freeman for organizing the LV competition!*

{with thanks to: Louise Lawter, Princeton Section}

The Founding of the Lehigh Valley Local Section by Ned D. Heindel and Roger A. Egolf (in recognition of the section's 125th Anniversary)

When the American Chemical Society was founded in 1876, it was primarily a New York organization, and its officers were required to live in the New York area. The driving force behind the Society was Columbia University chemist Charles Chandler; and the first president was John W. Draper of New York University School of Medicine.).

Local Sections were not authorized until 1890, and the first, Rhode Island, was formed in 1891. Lehigh Valley was soon chartered as the fifth Section, in December 1893. Of the fifteen chemists who came to the Chemical Laboratory (now Chandler Hall) at Lehigh University on February 15, 1894 for the organizing meeting of the Lehigh Valley ACS Local Section, some were academic, some industrial, some both - only two were organic chemists.



Edward Hart, the first PhD graduate of Johns Hopkins (1879, with Ira Remsen), was Professor of Chemistry at Lafayette College; the editor and publisher of the Journal of the American Chemical Society; and a partner with his former students John Townsend (J. T.) Baker and George Adamson in the Baker and Adamson Chemical Company. Hart was a close friend of then ACS President Harvey Wiley. William Schober, another Remsen PhD and Lehigh University Professor, synthesized new dyestuffs.

Other attendees were inorganic/analytical chemists. Albert H. Welles, a coal chemist, taught part-time at Lafayette; as did Bethlehem Iron chemist Albert Ladd Colby at Lehigh. Porter W. Shimer, a Lafayette PhD graduate, worked for Thomas Iron, and later consulted for Bethlehem Iron. Trail Green, a chemist-physician retired from Lafayette, was skilled in medicinal chemicals. Joseph W. Richards, Lehigh's first PhD graduate, had worked for the copper refining industry, but then returned to teach metallurgical chemistry at Lehigh. Richards later founded the Electrochemical Society.

Edward Hart served as temporary Chair and Albert H. Welles as temporary Secretary as the first meeting opened. The election of Officers was then held immediately. William H. Chandler, brother of ACS founder Charles Chandler and head of the chemistry department at Lehigh, was elected the Section's first president, Welles the first Secretary, and Colby, the first Treasurer. Clemens Jones was elected as the fourth member of the executive committee. The other attendees at this initial meeting were Messrs. Sohun, Spanutius, Buck, Brinker, Hunsicker, and Fuehs.

No lectures were given at that initial meeting, but at Lafayette College on April 5th 1894, four were presented: "The Demand for the Technical Chemists" by William Chandler, "Phospho-hydrocyanic Acid" by William Schober, "The Constitution of Portland Cement" by George Scholl," and "Resistance Board for Electrolytic Work" by Edward Hart. This second meeting was significant, also, for the approval of the Lehigh Valley Section's Constitution, still used today.

{reprinted from Senior Chemists
Newsletter (Summer 2020)}



ACS Local Section
Lehigh Valley

PA BioPharma Networking Group sponsored a Zoom meeting Wednesday, July 15th 2020 with a webinar by Cedar Crest College's Dr. Jennifer Hayden
"Combating Antibiotic Resistance through Undergraduate Research"



collecting soil samples at Cedar Creek



Dr. Hayden is an assistant professor of microbiology at Cedar Crest College where she studies microbes that may produce the next generation of antibiotics. Dr. Hayden introduced the virtual audience to (and then quizzed them on!) the concept of microbial production of antibiotics and how they can be extracted and purified from the soils around us. Jenny's Cedar Crest students are using these methods in hopes of finding medicines that circumvent the resistance of many dangerous microbes to current commercial antibiotics.

Education: B.S., Randolph-Macon Woman's College; Ph.D., The Pennsylvania State University

jennifer.hayden@cedarcrest.edu

Publications

- Filtration Improves the Performance of a High-Throughput Screen for Anti-Mycobacterial Compounds
- Reversible acetylation regulates acetate and propionate metabolism in Mycobacterium smegmatis
- The ins and outs of Mycobacterium tuberculosis export
- The extracytoplasmic stress factor sigmaE is required to maintain cell envelope integrity in E coli

The Threat of Antibiotic Resistance in the United States
Antibiotic resistance—when germs (bacteria, fungi) develop the ability to defeat the antibiotics designed to kill them—is one of the greatest global health challenges of modern time.

New National Estimate*

Each year, antibiotic-resistant bacteria and fungi cause at least an estimated:	2,868,700 infections	35,900 deaths
Clostridioides difficile is related to antibiotic use and antibiotic resistance.	223,900 cases	12,800 deaths

New Antibiotic Resistance Threats List
Updated urgent, serious, and concerning threats—totaling 18

5 urgent threats 2 new threats **NEW!** Watch List with 3 threats



Part of the solution

Discovery of novel antibiotics from soil

socrative.com
log in
student
room name:
BIOPHARMA

STEVE AND HANNAH BOYER COME HOME TO THE LEHIGH VALLEY



The Lehigh Valley Section welcomes Drs. Steven Boyer and Hannah Cronk-Boyer as they return to their roots in eastern PA! Steve hails from Pottsville and graduated with a BS from Elizabethtown College and a PhD from Binghamton University while Hannah graduated from Montrose Area HS, Bloomsburg University and also has a PhD from Binghamton. As they prepare to take up positions in the Chemistry and Biochemistry Department at East Stroudsburg University this fall, Steve and Hannah shared some of the things that led them into Chemistry, ACS, teaching and science outreach.



Photo credit: Jonathan Cohen,
Binghamton University

Steve found his love for chemistry during high school when he had the opportunity to visit Air Products and Chemicals, Inc. through a relative who was a chemical engineer there. The diversity of chemical applications was so amazing that he was hooked! As an undergraduate (Elizabethtown College, SE Pennsylvania section) Steve continued his journey with chemistry as a member of the ACS Chemistry Club and laboratory teaching assistant. During that time, he was much impressed by a seminar speaker from Binghamton University. Wayne Jones' research in new materials for solar cells and his teaching style appealed to Steve, so he decided to do graduate research work with Jones with a strong interest in developing teaching skills as well.

Hannah says her chemical interest started during her senior year in high school and really gelled with outreach activities at Bloomsburg University. As Chem Club President for two years, she enjoyed school visits and giving tours of the chemistry department. Hannah remarks that it was the parents as much as the prospective students who were much impressed by her knowledge of the range of things chemists do. After completing her BS degree in Chemistry, Hannah also enrolled at Binghamton University in Materials Chemistry, working in the electrocatalytic materials group of C-J Zhong.

At Binghamton, Steve and Hannah both combined their thesis studies with many ACS-sponsored outreach activities. With support from Prof. Jones and Director of Instruction and Outreach Alexa Silva, the BU Graduate Chemistry Club provided many opportunities: coordinating the Regional Chemistry Olympiad and 2016 NERM workshops as well as Shopping Mall events/Children's Festivals and mentoring for "Go Green" (two-week program held on campus for 6th graders) and for undergraduates in the NSF Smart Energy REU. For these activities and many others, Binghamton University Chemistry Department recognized each of them with its Excellence in Service and Outreach Award.

Both rose from TAs to full instructor positions for non-science major sections. Their commitment to teaching was rewarding to them and to their students: they each received both the Lois D. Mackey First Year Teaching Assistant Award and the Binghamton University Graduate Student Award for Excellence in Teaching. After his PhD, Steve taught at Ashland University as Visiting Assistant Professor of Chemistry, continuing ACS work as secretary and Chemistry Olympiad Coordinator for the Wooster section. Hannah was Assistant Professor and Program Coordinator of Chemistry at North Central State Community College and started chemistry outreach programs jointly with the biology department.

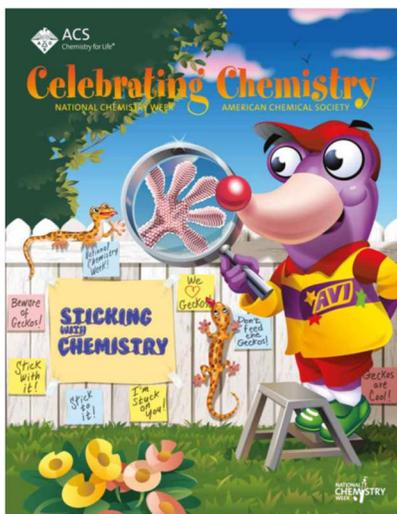


Steve describes their philosophy of teaching and learning as an "investment" process: students learn something if they know why they are learning it and strive to become invested in it. They recommend appealing to the students' natural inquisitiveness: encourage them to ask the right questions and prepare themselves for the next step. This kind of mentoring process gives students the confidence to start chemistry conversations and be a continuing part of them.

The Octagon wishes Steve and Hannah a successful start to the year at ESU and looks forward to welcoming them to our local section activities!



NATIONAL CHEMISTRY WEEK... IN TIME OF PANDEMIC



The American Chemical Society has advised all local sections to engage the public during National Chemistry Week (NCW) 2020, October 18-24, by virtual means owing to the continuing COVID-19 health and safety guidelines from the CDC. This year's theme, "Sticking with Chemistry" is all about adhesion phenomena, natural and man-made. From how geckos walk across ceilings to the chemistry of superglues and Post-It note adhesives, we'll investigate what makes things stick together (or not) and even make our own glue (from milk) and evaluate its performance by a simple adhesion test. We'll also learn about the importance of wetting of the surfaces we're trying to bind together by the glue and what adhesive 'tackiness' means and how to measure it.

Once again we will have our poetry competition: fully electronic as was the case for the CCEW competition in the spring.

More information about NCW 2020 can be found on the ACS website at:

<https://www.acs.org/content/acs/en/education/outreach/ncw.html>

Lindsey Welch, LVACS NCW COORDINATOR, is planning section-wide events and is looking for your ideas! CONTACT her at lawelch@cedarcrest.edu



Berks Chemical Society to host Penn State Northeast Region Fall Virtual Program

SAVE THE DATE!

Greglynn Gibbs and the The Berks Student Chapter will be doing Halloween demonstrations using a camping product called Funky Colored Flames by Winlow Products for this series on **Oct. 12, 2020**. The first 25 registrants will receive a box of "Funky Colored Flames" to use for their own enjoyment when they go camping or have a home gathering around their backyard fire pit. We know this is outside the normal realm of super safe experiments, so will be including plenty of very necessary backyard fire safety information!



LEHIGH VALLEY ACS ANNOUNCES DELAYED 2020 ORGANIC CHEMISTRY SCHOLARSHIP COMPETITION

The Lehigh Valley Section of the American Chemical Society will award its 2020 Scholarship for Organic Chemistry this fall due to the COVID-19 pandemic. To be eligible, students must have taken organic chemistry last academic year (2019 – 2020) at an LVACS member institution and be a chemistry, biochemistry, or chemical engineering major. The competition entails taking the ACS Organic Chemistry Examination (45%), a brief, one-page letter of recommendation from the student's organic chemistry professor (10%), and an essay on a topic in organic chemistry (45%). The value of the scholarship is \$1000. Additionally, the top essay will receive \$100. Details about the exam, letter, and essay follow below. **Students should indicate their interest in the scholarship by September 18th, 2020 to Dr. Michael Bertucci (bertuccim@moravian.edu)**

ACS Organic Chemistry Examination: The exam will be administered on **Saturday, September 19th, 2020 at Moravian College, Bethlehem, PA from 9:00-11:00 AM.** Students should report to the entry foyer of the Collier Hall of Science, which is on the Main Street Campus. **“Student participants will be required to PASS an online pre-screening survey to ensure that they have no COVID symptoms and will take the exam in a physically distanced setting while wearing a mask.”** For driving directions and campus map see <https://www.moravian.edu/about/campus>. Juice and bagels will be available at 8:45 AM.

Essay: The student should address the impact of an organic molecule or process in organic chemistry on society and his or her personal interest in it. The essay should be written at a level to interest and educate a general chemist who has completed sophomore-level organic chemistry. If a molecule is chosen, the synthesis, including key mechanistic features and structural analysis, should be covered. If a process is chosen, the physical and chemical basis for its success should be explained. Appropriate use of structures to facilitate understanding of the chemistry is expected. An additional page with references must be included. References should follow the guidelines as delineated in the ACS Style Guide. The essay should run from 1000 to no more than 1200 words in Times New Roman 12-point font with one-inch margins on all sides. The references and figures are not considered in the overall word count. Each page should have a header with the student's last name, brief essay title and page number. The winning essay after editing may be published in a future issue of the Octagon.

The essay will be rated on:

- Appropriate depth of coverage of the molecule or process
- Appropriate depth of coverage on the impact on society and student's interest
- Ease of reading, including grammar, spelling, and logical flow of the material
- Appropriate use of scholarly references & formatting

The essay should be submitted electronically to bertuccim@moravian.edu by the student **before the exam begins on September 19th**. The essay can be submitted at any time before the day of the exam; so, if you have a busy semester coming up, you are encouraged to get started early!

Letter of Recommendation: Professors writing a letter of recommendation on behalf of a student who is applying for the Lehigh Valley ACS Scholarship should speak to the student's skills in lecture and laboratory in Organic Chemistry I and Organic Chemistry II. Please provide the course grade for Organic Chemistry I and comment on performance on written exams, proficiency in organic lab, and participation in course-related activities. If possible, address the student's quantitative skills by commenting on her or his performance in quantitative analysis or its local equivalent. **The letter of recommendation must be signed on institution letterhead and submitted electronically to bertuccim@moravian.edu by the student's professor before the exam begins on September 19th.**

2020 SEED PROGRAM EXPLORES VIRTUAL SUMMER CAMP APPROACH



The COVID-19 pandemic inspired Project SEED to go to a creative virtual summer camp structure. In order to preserve as much of the program's intent as possible, the July camp established the following objectives:

- ✓ Prepare students with basic lab safety skills
- ✓ Expose students to sub-disciplines of chemistry, chemistry careers, and interesting chemistry research
- ✓ Develop students professionally by improving professional etiquette and writing abilities

Students were placed into "cabins" consisting of 6-10 students. Two cabin leaders led each cabin through all aspects of the summer program. Students attended a virtual welcome event, webinars, created documents to help with college and career readiness, explored sub disciplines of chemistry, took a virtual lab safety course and participated in a virtual conference.

Students were paid \$1,000 for successfully completing the virtual summer camp experience. The program required 10-20 hours of work from the students each week. Students met with their cabin leaders three times per week and once per week with a larger group. Student attendance and participation were monitored throughout the summer experience.

Lehigh Valley section had 3 local high school students in the summer camp: 2 from Bethlehem and 1 from Bangor. Jeremy Heyman, LV SEED Coordinator, received excellent feedback:

"The entire program was amazing! I thought it was such a fulfilling and rewarding experience overall. I have learned a lot about chemistry and science throughout these four weeks from a myriad of national webinars, camp meetings, and research hikes."

For next summer, ACS Project SEED is exploring both in-person options with added virtual components as well as an all-virtual option. Jeremy Heyman, Project SEED Coordinator, is looking forward to being in touch with LVACS members in late fall and early winter about mentoring 1-2 local students in their lab in the Lehigh Valley or Poconos for 6-8 weeks next summer. If any local ACS members are interested in learning more, please reach out him at jheyman@northampton.edu.

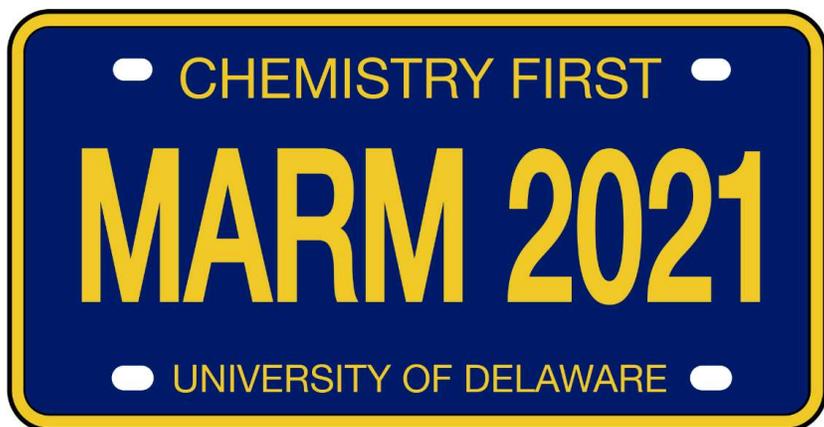
ACS VIRTUAL CAREER DAY: INDUSTRY

Saturday, September 12, 2020, 11-2 EDT

Join ACS and Industry leaders for a live virtual event. During this interactive event, chemical industry executives in the ACS community will offer career insights based on their experience. In addition, all attendees will have the opportunity to ask questions and engage with ACS Career Consultants and network with peers.

https://www.acs.org/content/acs/en/careers/career-events/career-day-industry.html?sc=200912_dsc_gem_ad_careeday_acsmters_industry_od





“We are excited to welcome you to the beautiful campus of the University of Delaware for the 2021 Middle Atlantic Regional Meeting of the American Chemical Society! The conference is June 9–11, 2021. Chemagination and teacher’s events will be on Saturday, June 12, 2021.” *MARM 2021 team*

Visit <https://sites.udel.edu/marm2021/>

The plenary lecturers for MARM 2021 have been confirmed!

Prof. Donna M. Huryn, Professor at the University of Pittsburgh in the Department of Pharmaceutical Sciences and PI of the University of Pittsburgh Chemical Diversity Center.

Prof. LaShanda Korley, Distinguished Associate Professor at the University of Delaware in the Department of Materials Science and Engineering.

Prof. Dan Nocera, Patterson Rockwood Professor of Energy at Harvard University in the Department of Chemistry and Chemical Biology.



→ISSP-19 HAS BEEN RESCHEDULED FOR NEXT SUMMER 2021←

More information:

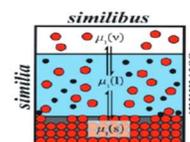
<https://iupac.org/event/issp-19/>

International Symposium on Solubility Phenomena (ISSP19)
18-23 July 2021, Albuquerque, NM, USA

The 19th International Symposium on Solubility Phenomena and Related Equilibrium Processes (ISSP-19) will be held 18-23 July 2021 in Albuquerque NM, USA. The conference venue will be located at the Sheraton Albuquerque Uptown hotel (2600 Louisiana Blvd N.E. Albuquerque, NM 87110). This will be the latest in a successful series of biennial IUPAC meetings organized by the Subcommittee on Solubility and Equilibrium Data (SSED) gathering international experts on solubility studies or related subjects to exchange new research and concepts.

I S S P 19

International Symposium
on Solubility Phenomena
And Related Equilibrium Processes



LEHIGH VALLEY SECTION OF THE AMERICAN CHEMICAL SOCIETY
2020 EXECUTIVE COMMITTEE

OFFICERS

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gruger04@yahoo.com



Chair Elect:
Roger Egolf
rae4@psu.edu



Immediate Past Chair:
Denise Beautreau
deedewwo@yahoo.com



Secretary/Newsletter Editor:
Nigel Sanders
nigel53.sanders@gmail.com
nsanders5@esu.edu



Treasurer:
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Kelley Caflin (term ends 12/31/20)
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lvacscma@gmail.com

