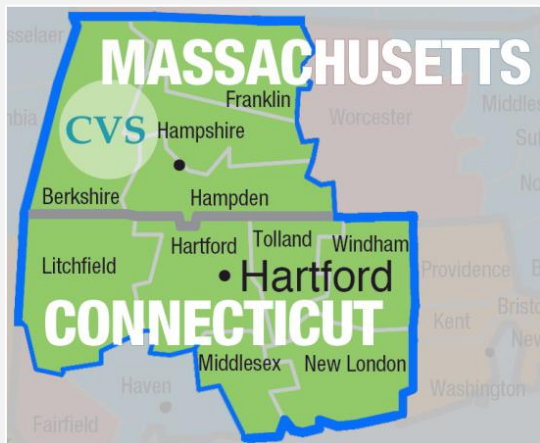


This Newsletter is for members of the American Chemical Society Connecticut Valley Section and friends.



The ACS CVS is in Western New England and encompasses parts of Connecticut and Massachusetts. We are one of the 189 Local Sections of the American Chemical Society. ACS Local Sections promote public awareness of chemistry by being involved in community outreach programs, recognizing exceptional science teachers and researchers and by working with students of chemistry and science with the goal of encouraging an interest in the chemical sciences.

Want to stay informed on the latest events and opportunities?



Find us on Facebook, Twitter, and Online!

[Connecticut Valley ACS | Facebook](#)

@ACS\_CVS on Twitter

<https://cvs-acis.org>

*Retired academic looking to re-home a collection of chemistry and biochemistry books as well as several organic model kits. Please contact Ellen Anderson at [profanderson@yahoo.com](mailto:profanderson@yahoo.com)*

## SPRING 2022

Want to join and support your CVS ASC for **only \$10** per year?

[join.acs.org](https://join.acs.org)

*If you are already an ACS member, join during your annual membership renewal, or call 1-800-333-9511*

Spring sure was busy for the CVS-ACS. This issue of the *Valchemist* is filled with great material of interest to the academic and the industrial sectors. Where are the CT Valley students presenting their research? Find out on pages 2 & 3. I'm new to chemistry, anything here for me? Learn about YCC on pages 5 & 7. When and where is NERM? Info on page 10. Career advice for industrial members, see pages 11 & 12. What do the Eboard councilors really do at the ACS National Meetings? Find out on pages 15 & 16. Want to learn about mushrooms and bugs? See on pages 4 & 6. There is something for everyone in the Connecticut Valley Section of the ACS.

The CVS executive board is actively involved in activities around the CVS regions, across Connecticut and Massachusetts. CVS partners with other local boards, such as the New Haven Section, fostering the spirit of collaboration and expanding opportunities available to ACS members throughout New England.

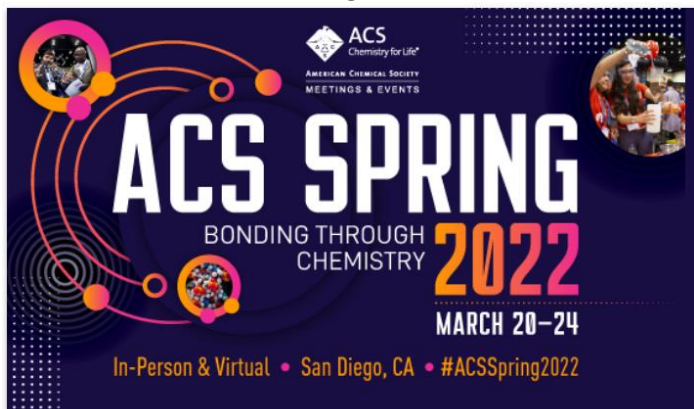
Do you have an idea for a great event? Are you or do you know a science subject matter expert looking to expand your/their audience? The Eboard welcomes members to get involved! Contact any of our Eboard members listed on page 17 to get started.

*Welcome to the **Valchemist** and enjoy the read!*

**SPRING HIGHLIGHTS**

**ACS National Meeting**

March 20-24, 2022 – San Diego Convention Center



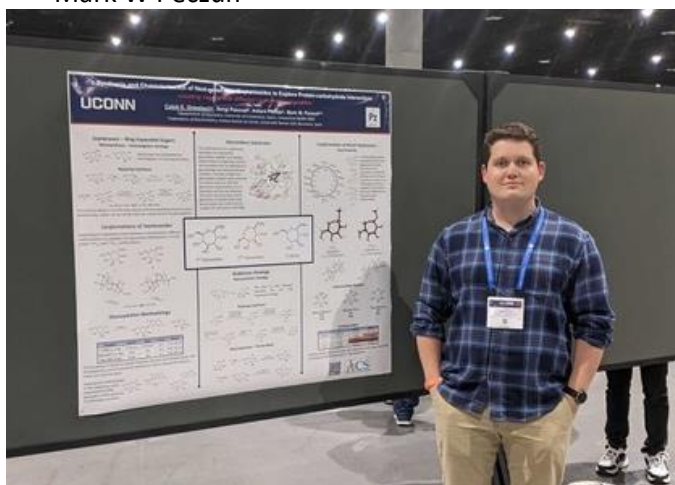
[ACS Spring 2022 - Info/FAQ \(digitellinc.com\)](https://www.acs.org/education/acs-spring-2022)

**CT Valley Student Travel Awards, San Diego, CA**

Three students from the CT Valley Section garnered travel awards to present research results at the Spring 2022 ACS National Meeting in San Diego. Graduate students Caleb Griesbach (UConn) and Prerana Rathore (UMass) and undergraduate Ayana Tabo (Trinity College) gave the following presentations:

*Synthesis and characterization of next-generation septanosides to explore protein-carbohydrate interactions (poster)*

Caleb E. Griesbach, Sergi Pascual, Antoni Planas, Mark W Pecuh



**Caleb E. Griesback, Graduate Student – UCONN**

*Characterizing the reactivity of a septanosyl cation in the gas and solution phases (presentation)*

Caleb E. Griesbach, Kim Gries, Kevin Pagel, Mark W. Pecuh

*Conductive and bioinspired polymeric composites (presentation)*

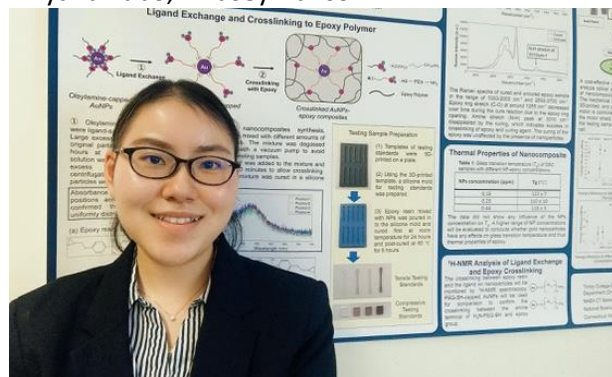
Prerana Rathore, Brian Montz, Stephen Nonnenmann, Todd Emrick, Jessica Schiffman



**Prerana Rathore, Graduate Student – UMASS**

*Applying gold nanoparticles as force sensors in epoxy polymers: synthesis and characterization of epoxy nanocomposites (poster)*

Ayana Tabo, Lindsey Hanson



**Ayana Tabo, Undergraduate Student – Trinity College**

**Congratulations to the Spring 2022 travel award winners.** Check (webpage/email) for information and solicitation of the next travel award competition for the Fall 2022 ACS Meeting.

## SPRING HIGHLIGHTS

### Connecticut State Science Olympiad

Spring: April 29, 2022 – National Exam

The Chemistry Olympiad is a competition designed to stimulate interest and promote achievement in high school chemistry. It brings together the world's most talented young chemistry students, teachers, and schools. The selection process is to identify the most high-performing students who will then compete at the



### International Chemistry Olympiad (IChO)

<https://www.icho.sk>

<https://www.ichosc.org/home>

The selection process in the U.S., aka the USNCO competition, consists of a multi-tiered competition; generally, it first involves a local competition, aka the **Local Exam**, and it is then followed by the U.S. National Chemistry Olympiad competition, aka the **USNCO National Exam**, both competitions being sponsored by the American Chemical Society (ACS), and administered by its local sections. The top 20 students at the USNCO National Exam are then invited to attend a 2-week **study camp**, and 4 students, along with 2 alternates, end up being chosen to represent the United States at the International Chemistry Olympiad competition which typically takes place in July, and in a different country each year.

47 students took part in the virtual local exam. The National Chemistry Olympiad in-person event was held at UCONN Storrs campus on April 29, 2022.

#### Local Exam Awardees

Mingwen Duan, East Lyme – *National Exam Honors Study Camp Awardee* (out of 20 finalists)

Esther Yu, Northfield Mount Hermon

Jiarui Peng, East Lyme

Siri Nellutla, Hotchkiss

Samuel Yang, East Lyme

Catherine Murphy, East Catholic

Isabella Wang, Loomis Chaffee

Elias Newall-Vuillemont, Woodstock Academy

Kanishk Tihaiya, E.O. Smith

Adam Godel, Hall High

#### 2022 Chemistry Olympiad Study Camp:

University of Maryland, College Park, June 5 – 18, 2022  
Congratulations Mingwen! One of the top 20 students in the nation.

For more information contact:

**Edward Fitzgerald**

[Edward.fitzgerald@trincoll.edu](mailto:Edward.fitzgerald@trincoll.edu)

### 2022 CVS Undergraduate Research Symposium

Spring: April 23, 2022 – Virtual Event

The undergraduate research symposium is an opportunity for students to present their research. Despite low numbers, the research and presentations were very high-quality and hope to see more wonderful science next Spring at an in-person URS!

#### Breakout Sessions included

1. Careers in Industry
2. Graduate School Grad Student Panel
3. Get the Most out of Professional Events
4. Applying to Graduate School

#### **Posters:**

##### Anna J. Harrison Award for a Poster Presentation

Grace Baron, University of Massachusetts Amherst

##### CVS Award for Best Poster (joint)

Ethan Goulart, University of Massachusetts Amherst

Daniel Shamas, University of Connecticut

#### **Talks:**

##### Anna J. Harrison Award for a Short Talk

Ayana Tabo, Trinity College

##### CVS Award for Best Talk (joint)

Abigail Bass, Trinity College

Nina Marco, Trinity College

#### **Dr. Anna J. Harrison, 1912 - 1998**

First Woman ACS President

Ph.D. 1940 Univ. of Missouri, Physical Chemistry  
Dr. Harrison worked on toxic gases or "smokes". Dr. Harrison is noted for chemical research in molecular spectroscopy in the far ultraviolet region of spectrum. As an international leader in chemical education, Dr Harrison viewed chemical profession as fundamental to the improvement of science education, public awareness of science, and public welfare. Active nationally and internationally as a supporter of women in science. Dr. Harrison was celebrated for inspiring numerous young women to pursue careers in science.



1945 – 1979: Mount Holyoke College,  
Professor of Chemistry

For more information contact:

EB Member & Councilor: **Dr. Kevin Kittilstved**

**SPRING HIGHLIGHTS**

**Pathways to Careers in Chemistry Panel**  
May 4, 2022 – Virtual Event

Presents

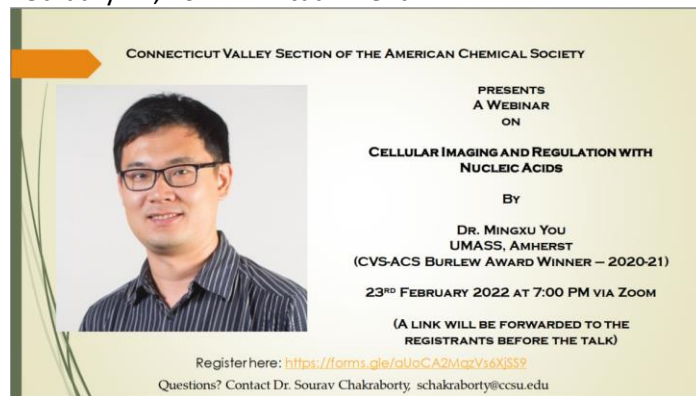
## Pathways to Careers in Chemistry Panel

**Expert Panelists Will Include:**

Dr. Mark Burford - Chemical Industry - Unilever  
 Ms. Rebecca Lucht, - Chemical Industry - 3M  
 Dr. Dennis Jakiela - Patent Law - Cantor Colburn  
 Dr. Alyssa Marsico - Professor/Forensics - University of New Haven  
 Dr. Olivier Nicaise - Professor - Fairfield University  
 Dr. Patrick Fitzgerald - High School Teacher - Hamden Hall  
 Mr. Zhengyang Wang - State Scientific Researcher - CT Ag Center  
 And More.....!

**When:** May 4th 6:30-8pm EST  
**Where:** Virtual: Register for Link  
[acsnewhaven.org/careerpanel-registration](https://acsnewhaven.org/careerpanel-registration)  
**Format:** 6:30-7:45 Panel Discussion  
 7:45-8:30 Panelist Breakout Room Q&A

**Cellular Imaging and Regulation with Nucleic Acids**  
**2021 Burlew Award Winner**  
February 22, 2022 – Virtual Event



CONNECTICUT VALLEY SECTION OF THE AMERICAN CHEMICAL SOCIETY

PRESENTS  
A WEBINAR  
ON

**CELLULAR IMAGING AND REGULATION WITH  
NUCLEIC ACIDS**

BY

DR. MINGXU YOU  
UMASS, AMHERST  
(CVS-ACS BURLEW AWARD WINNER – 2020-21)

23<sup>RD</sup> FEBRUARY 2022 AT 7:00 PM VIA ZOOM

(A LINK WILL BE FORWARDED TO THE  
REGISTRANTS BEFORE THE TALK)

Register here: <https://forms.gle/qUoCA2WqzV56XSS9>  
 Questions? Contact Dr. Sourav Chakraborty: [schakraborty@ccsu.edu](mailto:schakraborty@ccsu.edu)

Sensors that can report the distribution and flux of cellular metabolites and signaling molecules are critical tools in studying biology. Based on emerging genetically encoded fluorescent RNA molecules, I will first introduce an advanced sensor platform for the quantitative and sensitive detection of a broad range of cellular targets. In the second half of this talk, DNA-based tools will be described for imaging some previously undetectable biophysical events in live cell membranes, including intercellular mechanical forces and dynamic lipid-lipid and lipid-protein interactions. Our goal is to develop next-generation platforms to study cell biology and disease, based on the building block of life – nucleic acids.

**ACS New Haven Local Section Presents: Bill Yull**



**ACS New Haven Local Section Presents:**  
**Speaker: Bill Yule**  
**Talk: Introduction to Mushroom Hunting and Amateur Mycology**  
 May 12<sup>th</sup>, 2022 – 6 PM EST via Zoom – Register Here



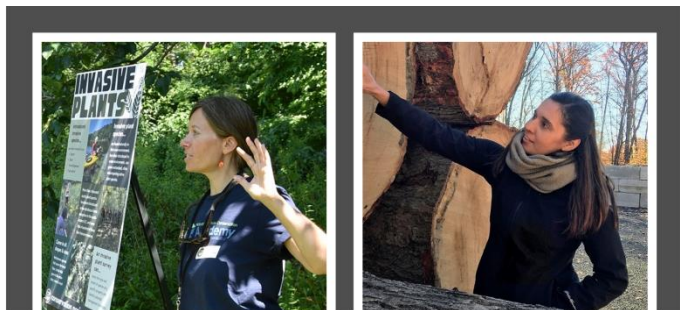
Bill Yule teaches courses on ecology and environmental education at The Connecticut River Museum and has been teaching about mycology for over 25 years. He is a member of multiple mycology societies and is a former high school biology teacher.

**SPRING HIGHLIGHTS**

**ACS New Haven Local Section Presents:**

**Program Design Principles to Support Teen-Adult Community Conservation Efforts**

March 7, 2022 – Featuring Laura Cisneros and Nicole Freidenfelds



ACS Local Section New Haven ACS Local Section New Haven

**Program Design Principles to Support Teen-Adult Community Conservation Efforts**  
 Laura Cisneros and Nicole Freidenfelds  
 March 7<sup>th</sup> @ 7pm, Virtual. Register Here!

The University of Connecticut’s Conservation Training Partnerships program uses an innovative intergenerational partnership framework that connects teens and adults and empowers them to understand and address local environmental issues. First, our intergenerational teams (e.g., high school students and adult volunteers) attend a two-day workshop that teaches them practical approaches to conservation science and geospatial technology. Then each teen-adult team designs and implements a local project that addresses a real community environmental need, leveraging their new technological and conservation toolkit. During this presentation, we will first share our programmatic model, outline, and discuss how our design principles and communication pillars were developed, and demonstrate how they are interwoven into program activities and project support to facilitate the successful completion of teen-adult conservation efforts. These design principles and communication pillars aim to establish collaborative team partnership norms that resist traditional hierarchical teen-adult relationships. They also consider how participants can draw on their interests and experiences and connect with conservation science disciplinary knowledge and practices to accomplish meaningful pursuits. The guiding principles we propose can help contribute to and enhance community-driven local environmental outcomes.

**Younger Chemists Committee (YCC)**



American Chemical Society  
 Younger Chemists Committee  
 info@acsycc.org

**Day In the Life of an Analytical Chemist**  
 Aug 14, 2022 – Featuring Dr. Colin Lowery



ACS Chemistry for Life®  
 YCC The Future of Chemistry  
**Day in the Life of an Analytical Chemist**  
 The Eastern US YCC Partnership presents:  
 Thursday April 14th, 2022  
 6:00 - 7:00 PM EDT

**with Dr. Colin Lowery**

Currently an Analytical Senior Scientist at GSK Consumer Healthcare in Richmond, VA. Prior to this position, he was a research scientist in the Biomarker LCMS group at PPD, where he worked on the quantification of endogenous compounds in response to therapeutic administration. He received his Ph.D. from The Scripps Research Institute in La Jolla, CA under the guidance of Professor Kim Janda, and completed his undergraduate work at the University of Virginia. In addition to his professional life, he enjoys hanging out with his seven-year-old son while running, swimming, and spending time with friends and family.



**Link to Register:**  
<https://bit.ly/3u3LGfd>



@EUS\_YCC or Eastern US YCC Partnership



On behalf of the CVS YCC, we hope to provide more frequent opportunities to help the professional development of the underserved early career chemist in the Connecticut Valley Region.

Finally, if you are interested in joining the efforts of the CVS YCC register here:

<https://forms.gle/gyzfhE1eTHo6qjJ39>

**CHEMISTS CELEBRATE EARTH WEEK**

**Chemists Celebrate Earth Week**  
April 17–23, 2022



Topic: Insect Chemistry

Theme: *“The Buzz About Bugs: Insect Chemistry”*

Explore the many ways insects in nature can help us (promote biodiversity, pollinate fruits and vegetables, produce honey and silk, etc.) or bug us (give us itchy bites, spread diseases, etc.) and the exciting chemistry at play in the lives of insects. CCEW is administered by the ACS Office of Science Outreach, which is part of the Education Division. The [Committee on Community Activities \(CCA\)](#) serves as the advisory group for outreach programs and selects and develops the CCEW themes and materials.

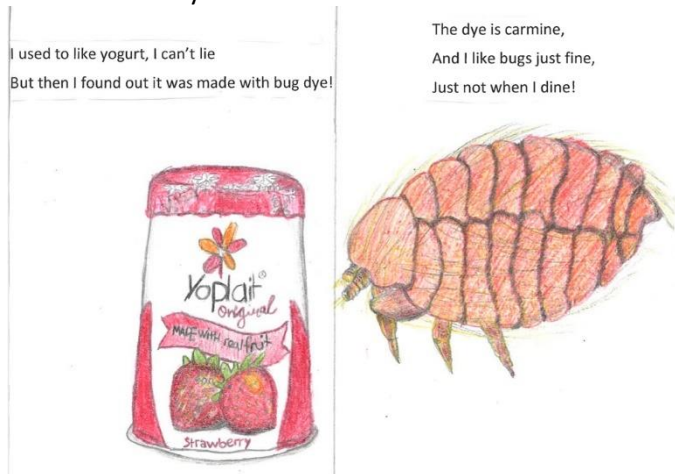
[Chemists Celebrate Earth Week - Reducing Our Footprint with Chemistry - American Chemical Society \(acs.org\)](#)

**Winners of the 2022 National Chemistry Week CVS-ACS Poster Contest:**

Grade 3 -5 Category:

Analise Smellings, 5<sup>th</sup> grade, Jumoke Academy

Teacher: Amy Coan



**Illustrated Poem 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 yearly theme (The Buzz about Bugs: Insect Chemistry), 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. Physical drawings may be scanned or captured via camera and submitted to the online form. 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. If the illustration is created using a digital painting or drawing app, the name of the program must be included on the entry form.
- 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.
- Students must be sponsored by a school or another sponsoring group (e.g., *Homeschool Association, Boys and Girls Club, Scout Troop, 4-H, etc.*).
- 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.

For more information contact:

EB Member & Councilor: **Dr. Sharon Palmer**

## ENGAGEMENT OPPORTUNITIES

### Grow-Give-Gain, The Power of ACS Volunteers

May 25, 2022



No one understands better than chemists how one element can be the catalyst for tremendous change. The work of American Chemical Society volunteers produce reactions that shape the ACS, and at the same time create bonds that support your personal and professional development.

Join Diane Krone, Chair of the Committee on Committees, **Julie Smist**, Chair of the Nominations and Elections Committee, and Judy Giordan, ACS President-Elect as they discuss how you can become involved in one of the many diverse ACS Committees and how your ideas and perspectives can strengthen the Society.

[The Power of ACS Volunteers - American Chemical Society](https://www.acs.org/content/acs/en/acs-webinars/library/acs-volunteers.html)  
<https://www.acs.org/content/acs/en/acs-webinars/library/acs-volunteers.html>

### Younger Chemist Committee



The Younger Chemists Committee advocates for and provides resources to early-career chemists and professional in the chemical sciences and related fields. The YCC addresses specific issues facing younger chemists within the ACS and serves as a voice to the Society on behalf of younger chemists.

[ACS Younger Chemists Committee – Serving the Needs of Early Career Chemists \(acsycc.org\)](https://www.acs.org/content/acs/en/education/acs-scholars.html)

### ACS Connecticut Valley Section YCC



Established in 2018, ACS-CVS YCC is focused on bringing useful resources and events to early career chemists. [Less than 10 years into an established career]. In 2019, ACS-CVS YCC joined forces with the Eastern US YCC partnership to develop and host multiple virtual events. In Fall 2022 we plan to host multiple career development events as well as restarting out networking events.

[ACS CVS Younger Chemists Committee Member Registration \(google.com\)](https://www.acs.org/content/acs/en/education/acs-scholars.html)



[@ACS\\_CVS\\_YCC / Twitter](https://twitter.com/ACS_CVS_YCC)



[26 American Chemical Society Connecticut Valley Section Younger Chemists Committee \(ACS-CVS-YCC\) | Groups | LinkedIn](https://www.linkedin.com/groups?trk=yp)

### ACS Scholars Program

The ACS Scholars Program awards renewable scholarships to underrepresented minority students majoring in undergraduate chemistry-related disciplines and are also interested to pursue career in chemistry-related fields. Selected recipients are awarded up to \$5,000\* per academic year. To date, over 3,000 students have received a funding from the ACS Scholars Program.  
[ACS Scholars Program - American Chemical Society](https://www.acs.org/content/acs/en/education/acs-scholars.html)  
<https://www.acs.org/content/acs/en/education/acs-scholars.html>

### ACS Leadership Institute

The Leadership Institute is an annual invitation-only conference where ACS Leaders come together to learn more management and leadership skills to enable them to be successful leaders within the ACS.

[ACS Leadership Institute - American Chemical Society](https://www.acs.org/content/acs/en/careers/leadership/leadership-institute.html)  
<https://www.acs.org/content/acs/en/careers/leadership/leadership-institute.html>

For more information contact:

ACS-CVS YCC: **Cristian J. Aviles-Martin**  
[cristian.aviles\\_martin@uconn.edu](mailto:cristian.aviles_martin@uconn.edu)

**SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP****Summer Undergraduate Research Fellowship (SURF)**

To provide funding for summer research opportunities for outstanding undergraduate organic chemistry students attending colleges and universities in the United States.

CVS-ACS would like to congratulate **Christopher Dahlke** (UMass), **Tessa Malesky** (UConn) and **Antonia Wenc** (UConn) on their receipt of the 2022 CVS-ACS SURF Award! The CVS-ACS Fellowships fund a student for a full-time 10-week summer research experience in a college or university laboratory within the ACS-CT Valley Section area. The fellowship consists of a \$6,000 stipend awarded directly to the fellow. The Fellow may not hold a CVS-SURF concomitantly with a similar fellowship from any other source.

The student applicant:

- Must be a chemistry, biochemistry, chemical engineering, or related major
- Should have completed a minimum of two years at a college or university before beginning the fellowship
- Must be graduating by Spring 2023 or later
- Will be required, along with their research advisor, to attend the 2023 CVS Undergraduate Research Symposium and present their research
- Preference will be given to students who would be unable to participate in summer research projects without this fellowship; one award will be reserved for a student who shows financial need as defined by the ACS SEED program (see below)

For more information contact:

EB Member: **Dr. Neil Glagovich**



*Brian Chamberlain  
& Family*

**A complete application package includes the following:**

1. A resume/CV.
2. An unofficial transcript, including a list of spring 2022 courses.
3. A brief personal statement describing the importance of a SURF to their career plans ( $\leq 250$  words). If the applicant meets the Project SEED definition, this should be mentioned explicitly in the personal statement.
4. A description of the proposed research project authored by the applicant in collaboration with the research advisor (12-point Times font, 1" margins,  $\leq 2$  pages).
5. A letter of support from the hosting institution's Department Chair/Head indicating that the department will provide the necessary equipment, space, and administrative support to the project.
6. The research advisor must send a separate email recommending the applicant. The message should address the qualifications of the student to carry out the project successfully.

**Family Income Requirements for Project SEED**

*You must be recognized as economically disadvantaged to be considered for Project SEED. Preference is given to students whose maximum family income does not exceed 200% of the Federal Poverty Guidelines <https://aspe.hhs.gov/poverty-guidelines> based on family size.*

<https://aspe.hhs.gov/poverty-guidelines>

[ACS Project SEED Program - American Chemical Society](https://acsprojectseed.org/)

**2022 Sponsors:**



## JOHN S. BURLEW AWARD

### John S. Burlew Award

**Sponsor:** Connecticut Valley Section

**Purpose:** To recognize outstanding contributions to chemistry by ACS - CVS members.

**Nature:** The award consists of \$1000 and a certificate. The recipient is required to deliver an awards address to the CT Valley Section at an event in his/her honor.

**Eligibility:** All members of the CVS are eligible. A nominee must have made an outstanding contribution to chemistry. The nominee must also be a member of CVS and must not have received an award from ACS or other technical or scientific organizations for the same contribution(s). Self-nominations are encouraged.

**Deadline:** *October 1, 2022*

**Application Materials:** A short nominating letter describing the nominee's qualifications for receiving the award, a chemistry curriculum vitae of the nominee, and names/addresses of two references familiar with the nominee's cited contribution.

**Establishment & Support:** The John S. Burlew Award was established in 1986 by the Connecticut Valley Section of the ACS. The Award is supported administered by the Connecticut Valley Section of the ACS.

**About John S. Burlew:** (written by former ACS/CVS Archivist Clyde Brooks)

John left behind a most impressive record of service to CVS/ACS during the years 1966 through 1994, when he departed for Oregon (where he died at age 85 in January 1996). He served as Section chair in 1982, chair of the 15th NERM in 1983 (held in Hartford), followed by an extended service as chair of the Long-Range Planning Committee for ACS/CVS. He was honored as a 50-year member of ACS in 1982.



Johns Hopkins Sheridan Libraries, Photograph of John Swalm Burlew, 1930 (approx age 20)  
[jhucoll-0002\\_09521.jpg \(1442x2130\)](http://jhucoll-0002_09521.jpg)

Born Sept. 10, 1910, in Washington, D.C., he graduated from Bucknell University in 1930 with a bachelor's degree and then received his Ph.D. in Chemistry from Johns Hopkins University in 1934. From Washington, D.C., he moved to Hartford in 1966, where he served as Director of the Connecticut Research Commission. Later, from 1971 to 1991, he operated a map publishing business in Glastonbury. John was a lifelong member of the Episcopal Church, a member of the American Chemical Society, Sigma XI "Research Society of America", and a charter member of the Connecticut Academy of Science and Engineering. He was also a member of the Appalachian Mountain Club, the Potomac Appalachian Trail Club, and the Adirondack Mountain Club.

For more information contact:  
EB Member: **Dr. David Myers**

## FUTURE EVENTS

### National Chemistry Week

October 17-23, 2022 - Fast or Slow, Chemistry Makes it Go!

NCW is a community-based program of the American Chemical Society (ACS). This annual program unites ACS local sections, student chapters, technical divisions, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. [About - National Chemistry Week \(NCW\) - American Chemical Society \(acs.org\)](#)

### 26<sup>th</sup> Annual Green Chemistry & Engineering Conference

June 6 – 6, 2022, Reston, VA



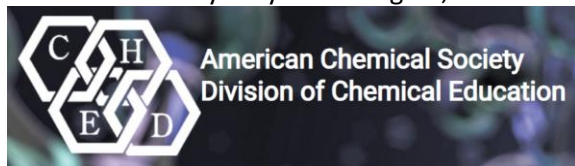
Hosted by the American Chemical Society's Green Chemistry Institute (ACS GCI), the GC&E Conference is the longest-running global conference dedicated to green chemistry and engineering. Programming covers the breadth and depth of sustainable and green chemistry and engineering, with special attention to the conference theme, "Thinking in Systems: Designing for Sustainable Use."

For more information, please see the website:

[26th Annual Green Chemistry & Engineering Conference \(gcande.org\)](#)  
<https://www.gcande.org/>

### Biennial Conference on Chemical Education, 2022

Purdue University: July 31<sup>st</sup> – Aug 4<sup>th</sup>, 2022



The conference is designed for chemical educators at all levels: K-12, secondary school, undergraduate, graduate, and post-secondary chemistry faculty. (Do not need to be an ACS or DivCHED member to attend.) Conference themes are:

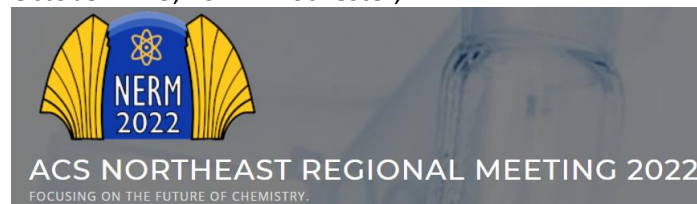
- (1) Classroom Practice and Learning Environments
- (2) Curriculum and Cognition
- (3) Assessment and Research Methods
- (4) Professional Development

More information at:

[Home | ACS Division of Chemical Education \(divched.org\)](#)  
<https://www.bcce2022.org/>

### NERM (Northeast Regional Meeting)

October 2 – 5, 2022 – Rochester, NY



ACS 2022 president, [Angela Wilson](#), has agreed to preside and speak at the NERM2022 Awards Dinner on October 4, 2022.

For more information, please see the website:

[ACS Northeast Regional Meeting 2022 – Focusing on the future of chemistry. \(nerm2022.org\)](#)  
<https://nerm2022.org/>

### ACS National Meeting,

August 21-25, 2022 – Chicago, IL



For more information, please see the website:

[ACS Meetings & Expositions - American Chemical Society](#)  
<https://www.acs.org/content/acs/en/meetings/acs-meetings.html>

### Career Development

- Attend courses and workshops, both in-person and virtually, to grow your career.

### Student Programming

- Discover the latest information about technical programming and student engagement events.

### Networking Opportunities

- Whether participating in person or virtually, attendees will have plenty of networking opportunities.

ACS INDUSTRY MATTERS

***How Completing the Wrong Application Form  
Launched a Career***

Industry Matters Newsletter May 12, 2022



**Describe your job as a chemical technical professional (CTP). What is your favorite part of your job?**

I am an analytical technologist in Dow’s Analytical Science Department. I primarily support Dow’s silicone business by either ensuring compliance or solving problems utilizing analytical equipment and techniques such as gas chromatography (GC) and mass spectrometry.

One project that I am particularly proud of starting a walk-up user lab for fast and routine GC analysis at work. It’s been running for three years, and I still support the lab today. I also help different groups with GC analysis from creating custom methods to hardware, maintenance, and troubleshooting.

Additionally, I solve tough challenges on project teams from manufacturing issues to customer challenges to product development of new materials. My favorite part is empowering others to succeed by providing my characterization expertise. I also enjoy seeing new areas and chemistries as well as meeting new people.

**What type of daily tasks do you tackle as part of a typical workday?**

I work on a variety of projects at once, so my tasks vary day to day. They include attending project meetings as well as prepping, running, and analyzing samples, and communicating results to the project teams. I troubleshoot equipment and help drive a culture of

safety. I also enjoy being an advocate for chemical technology by volunteering with ACS.

Currently, I am a Science Coach at Coleman Elementary School and the Project SEED (Summer Experience for the Economically Disadvantaged) coordinator for the ACS Midland Local Section. I am also a director for both Midland Local Section and the Mid-Michigan Technician Group. At work, I am on the steering committee for Dow’s Midland R&D Technologist Group and Dow’s Core R&D Inclusion Team. I am also on the National Committee for Technician Affairs and the secretary for the ACS Division of Analytical Chemistry. So, sometimes my workday includes travel to a conference or a classroom.

***How does your job provide “a bridge”? For example, between lab and consumer, science and manufacturing, or idea and implementation?***

To provide a bridge means to connect two or more people, groups, or things. I help make connections every time I participate in an R&D project, whether it’s personally providing the benchmark data that bridges the gap between an idea and implementation or setting up the team to analyze their own samples. The bridge between research and development and manufacturing also exists when we have a manufacturing issue and I give a recommendation for testing or generate the data that helps identify the root cause.



Michelle Rivard is a research and development technologist at Dow, and the winner of the 2018 ACS National Chemical Technician Award for excellence and professionalism.

*This piece was edited for the Valchemist*

ACS INDUSTRY MATTERS

Be True to Yourself

Industry Matters Newsletter May 12, 2022



Image credit: iStock by Getty Images

When I went to graduate school, my dad gave me some advice that I have reflected on throughout my career – be true to yourself.

Being true to yourself means staying grounded in your personal values, respecting the path you’ve taken, finding a passion, and working on things that matter to you.

Just as organizations have a purpose, define your own personal purpose. Know your why and what is important to you. As a scientist and executive at an innovation driven company, I’m excited to work with incredible people who use science to solve problems and improve lives.

When we are true to who we are, we make decisions based on that. We are free to explore new things, to show up without pretenses, embrace challenges and build community.

**SIGN UP for the ACS Industry Matters newsletter. Keep up with latest achievements in chemical innovation, interviews with leading executives and career-boosting tips. [ACS Industry Matters Newsletter - Information, insights, and advice for ACS industry members \(discoveracs.org\)](#)**

As a leader, my most important responsibility is to create the right environment where people feel comfortable to be true to themselves and pursue their passions. Within 3M, we have a 15% Culture, which is a philosophy that enables 3Mers to use company time to innovate freely and explore projects that enable personal and business growth.

We all deserve the opportunity and freedom to put our passions in action. When we are true to ourselves, our best comes through, and we bring out the best in others. In turn, we can make meaningful change in the world.



John Banovetz, Senior Vice President, Research and Development and Chief Technology Officer, 3M  
As Chief Technology Officer and Senior Vice President of Research and Development, Dr. John Banovetz leads more than 8,000 scientists who connect 3M’s 46 technology platforms to solve the real-world needs of customers around the world. In this role, he leverages his many years of experience as both a technology and business leader.

INDUSTRY MATTERS

The ACS Industry Matters newsletter offers exclusive content to ACS members. Every issue delivers an inside look into the latest achievements in chemical innovation, interviews with leading executives sharing their secrets to success, and career-boosting tips from ACS Career consultants—all designed to help you overcome challenges and conquer your career goals.

Please note that ACS Industry Matters is a member-only newsletter. If you’d like to learn more about this and other member-only benefits, visit us at [acs.org](https://acs.org).

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## GETTING TO KNOW YOUR EBOARD

### Dr. Sharon Palmer



I'm a recently retired high school chemistry teacher. Like many high school teachers, I came to the career in a roundabout way, including earning a PhD in chemistry, many years of college/university teaching, and work with science/math education NSF initiatives. While the jobs have varied, the constant has been K-16+ (formal and informal) science education. I also taught online courses for pre- and in-service chemistry teachers out of UMass.

#### *What is your role in the CVS section of the ACS?*

My formal role is as an alternate councilor, which means I infrequently represent the local section at ACS meetings, when the councilors can't attend. On the EB I work with student outreach activities, such as the ACS's National Chemistry Week and Chemists Celebrate Earth Week activities.

#### *Provide a fun memory of an event that you've taken part in over the last few years.*

I really enjoy the undergraduate research symposia. I'm so impressed by the research activities undertaken by the section's undergrads. It makes me hopeful for the future, although that sounds trite. The energy that goes into the research, seeing how enthusiastic and articulate the students are.... It's awe-inspiring, truly.

#### *What is one challenge you see in the ACS? How is the Executive Board addressing it?*

People are busy and selling people on the value of ACS membership and active participation keeps getting more difficult. I've been involved at the local section level for, well, let's say since I was part of the YCC. Getting people to go to public lectures is rather more difficult than it used to be now that there are so many ways of becoming informed that don't involve travel. The CVS section covers a lot of territory and attending a public CVS event

in the evening can make for a very late night for working people. The CVS local section continues to try to reach out to section chemists of all ages/stages in their careers, from local school students (through the ACS's NCW and CCEW activities) and their teachers, undergraduate students, and graduate students, to newer faculty and more established faculty, on to the 50-60-70-year members, providing curated experiences that make sense for the different factions.

#### *A funny science story?*

I got married (to another chemist, of course) towards the end of my graduate career. I flew from Chicago (I was at Northwestern) to my hometown of San Francisco for the wedding (and Christmas, because why not make things more complicated?). Well, I was collaborating with IBM San Jose on a project involving low-temperature measurements of single crystal electrical conductivity and my advisor saw that, since I was going west anyway, I could carry some (delicate) samples with me. I got on the plane with my wedding gown over one shoulder, and crystal samples in my other hand. I stopped at IBM before I even went home and spent the next few days wrapping up wedding details and talking to my collaborator on the phone. He called one Friday evening, and said, I know it's Saturday tomorrow, but we're getting some exciting results and you've got to come out. I said – I can't, I'm getting married tomorrow (which was coincidentally my advisor's fifth anniversary – no doubt because Christmastime is a safe time to take a few days "off"). My IBM contact said – I got married this time of year, December 29. I said – tomorrow is December 29. He said, oh @\$#Y, I forgot my anniversary. Three authors on that paper, all with the same wedding anniversary. My parents were just shaking their heads the whole time.... (The results were interesting but were not as exciting as we'd hoped. But we are all still married.)

#### *Anything a new member should know?*

The EB folks are smart, creative, thoughtful, energetic, dedicated, and hard-working. You won't regret jumping on board.

## GETTING TO KNOW YOUR EBOARD

### Dr. David Myers

Professor of Chemistry, Bard College at Simon's Rock. PhD Organic Chemistry 1988, MA 1983, Princeton University, BS Chemistry/BA Mathematics 1980, Fairleigh Dickinson University.



*What is your role in the CVS section of the ACS?*

Immediate Past Chair, Alternate Councilor

*Provide a fun memory of an event that you've taken part in over the last few years.*

Introducing my class to the Chemistry Cheer! (Sigma-Pi-Pi) as it related to covalent bonding.

*What is one challenge you see in the ACS? How is the Executive Board addressing it?*

Decreasing active membership overall, particularly from industry. The local section could possibly do better PR to let the members know what we are doing, and how they can (and should) get involved.

*A funny science story?*

A classic: a person goes into a pharmacy and asks for acetylsalicylic acid. The druggist says, "do you mean aspirin" and the person says "yes, I can never remember that name!"

*Anything a new member should know?*

Be involved! If you have an idea for an activity, let someone on the EB know, and we will try to put it into action.

Executive board member answers will be available on the CVS-ACS website and in future *Valchemist* issues.

## IN MEMORIAL

### Gerald J. Putterman, Ph.D. 1937 – 2022

Dr. Gerald (Jerry) Putterman

An ACS member for over 60 years, Jerry passed away on Sunday, March 27th, 2022 at Yale-New Haven Hospital. Born in Norwalk on July 2, 1937, Jerry was the son of the late Irving and Ida (Gerson) Putterman. Devoted husband of 55 years to Miriam (Freiberg) Putterman, beloved father of Hallie Putterman and Joshua Putterman. Dear brother of the late Elaine "Lolly" Blotcher. Cherished grandfather of Grace Putterman.



Jerry Putterman had been a member of the New Haven Local section since 1960, when he was a graduate student in biochemistry at Yale. He returned to the New Haven Local section in 1982. He was active in many different roles, including as Councilor, Alternate Councilor, Chairman of the Nominating Committee, member of the Selection Committee for the Kirkwood Award, Co-Chairman of the Awards Committee for NERM 2013 and judge and organizer for the Section's award at the New Haven Science Fair. Jerry resigned from his councilor position in 2021 after 60 years of service to the ACS. We showed our appreciation of Jerry's many years of service to the section by awarding him with the ACS Outreach Volunteer of the Year Award in 2021.

**SPRING 2022 ACS COUNCIL MEETING**

The following summary of key actions of the ACS Council Meeting held virtually on March 23<sup>rd</sup>.

Actions of the Council:

Election Results:

**Candidates for President-Elect, 2023**

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2023: Frank Blum, Mary Carroll, Rigoberto Hernandez, and Ingrid Montes. By electronic ballot, the Council selected **Marry Carroll** and **Rigoberto Hernandez** as candidates for 2023 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

**President-Elect, 2023<sup>a</sup>**

Nominee	1 <sup>st</sup> Round	2 <sup>nd</sup> Round	3 <sup>rd</sup> Round
Frank Blum	76	-	-
*Mary Carroll	129	169	198
*Rigoberto Hernandez	119	132	173
Ingrid Montes	86	105	-

<sup>a</sup>410 valid electronic ballots were cast, with 206 being the majority. The results of the first preference vote totals are shown in the 1st round column. No nominee attained a majority. Following the procedures approved by Council, second-preference votes were distributed in two subsequent rounds. Those marked with an asterisk (\*) were declared elected as candidates.

**Candidates for Districts II and IV**

The Committee on Nominations and Elections announced the results of the election held prior to the virtual Council meeting, to select candidates from the list of nominees for Directors from District II and District IV, on the Board of Directors for the term 2023-2025. By internet ballot, the Councilors from these districts selected **Kimberly Agnew-Heard** and **Marcy Towns** as **District II candidates**; and **Christopher J. Bannochie** and **Lisa Houston** as **District IV candidates**. Ballots will be distributed to members residing in District II and District IV around October 1, 2022.

**DISTRICT II<sup>a</sup>**

Nominee	1 <sup>st</sup> Round	2 <sup>nd</sup> Round	3 <sup>rd</sup> Round
*Kimberly Agnew-Heard	14	17	26
Gerard Bailley	8	-	-
Mark E. Jones	9	10	-
*Marcy Towns	14	18	19

**DISTRICT IV<sup>a</sup>**

Nominee	1 <sup>st</sup> Round	2 <sup>nd</sup> Round
*Christopher J. Bannochie	12	29
Carmen V. Gauthier	9	14
*Lisa Houston	34	-
Pamela M. Leggett-Robinson	3	11

<sup>a</sup> The results of the first preference vote totals are shown in the 1<sup>st</sup> round column. No nominee attained a majority. Following the procedures approved by Council, second-preference votes were distributed in subsequent rounds. Those marked with an asterisk (\*) were declared elected as candidates.

**Candidates for Directors-at-Large**

The Committee on Nominations and Elections announced the selection of the following candidates for **Directors-at-Large** for 2023-2025 terms: **Milagros (Milly) Delgado, Malika Jeffries-El, Will E. Lynch and Ellene Tratras Contis**. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to all Councilors around October 1, 2022.

**CVS-ACS Executive Board Councilors:**

**Dr. Michael Knapp:**

ACS Council, MAC (Membership Affairs) Committee

**Dr. Frank Torre:**

ACS Council, Meetings & Exposition Committee

**Dr. Julie Smist:**

ACS Council, Chair of the Nominations & Elections Committee

**Dr. Kevin Kittilstved:**

ACS Council, Meetings & Exposition Committee

## SPRING 2022 ACS COUNCIL MEETING

### Council Actions

#### **Committee on Committees Actions**

The Council approved the *Petition to Amend the Duties of the Committee on Chemists with Disabilities*.

This petition sought to change the language in the duties of CWD from **students** to **persons** to be more inclusive to ACS members of all levels and backgrounds participating in the Society's meetings and events.

The Council approved the continuation of the Committee on Chemists with Disabilities

The Committee on Committee reviews each Society Committee no less often than every five years and advises the Board of Directors and Council whether they should be continued. ConC completed the performance review for the Committee on Chemists with Disabilities and recommended its continuation.

#### **Committee on Budget & Finance Petition**

The Council approved the *Petition to Amend the Use of Dues*.

The petition has two major components. The first changes the basis for developing the total pool of allotments available for local sections and technical divisions. The second eliminates the connection between dues revenue and C&EN.

The total resource pool available for distribution to Local Sections and Divisions will be funded via a quasi-endowment established from the Society's unrestricted investment balances. This replaces the previous pool that was funded through the allocation of 20% of dues revenue to local sections and divisions.

#### **Committee on Divisional Activities Action**

The Council approved a division name change.

Effective January 1, 2023, the Division of Carbohydrate Chemistry (CARB) will change its name to the Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

#### **Committee on International Activities Petition**

The Council approved a *Petition to Charter an International Chemical Sciences Chapter*

This petition, contingent on approval by the ACS Board of Directors, allows for a new International Chemical Sciences Chapter in Switzerland.

#### **Committee on Membership Affairs**

The Council approved the extension of market testing of the international dues discount program based on World Bank country income levels.

The test provides reduced dues for international members residing in emerging nations, which host an ACS chapter, and as defined by World Bank income criteria.

The test results to date have suggested a positive impact on membership through new members and the expanded inclusivity that a wider global community provides.

The Council approved the 2023 Schedule of Membership. The 2022 Schedule went live a few short months ago, and the 2023 Schedule was designed to add more value and increased choice for membership by adding clarity and a more intuitive explanation of how our membership works.

The 2023 Schedule of Membership did not change any dues, benefits, eligibility, or privileges from the 2022 Schedule.

#### **Resolutions**

The Council passed several resolutions:

- in memory of Past President Nancy B. Jackson;
- in memory of deceased Councilors;
- to officers and members of the San Diego Local Section.

***Interested in being involved in Committee Meetings and other activities at the ACS meetings?***

***All ACS members are now eligible to serve on Council Committees.***



Connecticut Valley Section ACS – Executive Board

Chair:

Dr. Neil Glagovich  
Central Connecticut State  
University  
[glagovich@ccsu.edu](mailto:glagovich@ccsu.edu)

Chair-Elect:

Dr. David Myers  
Bard College of Simons Rock  
[myersd@simons-rock.edu](mailto:myersd@simons-rock.edu)

Past Chair:

Dr. Sourav Chakraborty  
Central Connecticut State  
University  
[schakraborty@ccsu.edu](mailto:schakraborty@ccsu.edu)

Secretary:

Dr. Mark Peczuh  
University of Connecticut  
[peczuh@gmail.com](mailto:peczuh@gmail.com)

Treasurer:

Dr. Ellen Anderson  
University of Saint Joseph (retired)  
[profanderson@yahoo.com](mailto:profanderson@yahoo.com)

Webmaster:

Dr. Thomas Burkholder  
Central Connecticut State  
University  
[burkholder@ccsu.edu](mailto:burkholder@ccsu.edu)

Councilors:

Dr. Michael Knapp: 2020 - 2022  
University of Massachusetts  
Amherst  
[mknapp@chem.umass.edu](mailto:mknapp@chem.umass.edu)

Dr. Frank J. Torre: 2020 - 2022  
Retired - Springfield College  
[ftorre@springfield.edu](mailto:ftorre@springfield.edu)

Dr. Julianne M. Smist: 2021 - 2023  
Retired - Springfield College  
[jsmist@springfield.edu](mailto:jsmist@springfield.edu)

Dr. Kevin Kittilstved: 2021 - 2023  
University of Massachusetts  
Amherst  
[kevink@umass.edu](mailto:kevink@umass.edu)

Alternate Councilors:

Dr. Sharon M. Palmer: 2021- 2023  
Amherst Regional High School  
[Spalmer58@gmail.com](mailto:Spalmer58@gmail.com)

Dr. David Myers: 2020 - 2022  
Bard College of Simons Rock  
[myersd@simons-rock.edu](mailto:myersd@simons-rock.edu)

Rebecca A. Lucht: 2022 – 2024  
3M SPSP  
[ralucht@mmm.com](mailto:ralucht@mmm.com)

Members-At-Large:

Dr. Nilda Alicea-Velazquez: 2022 –  
2023 Central Connecticut State  
University  
[Na2841@ccsu.edu](mailto:Na2841@ccsu.edu)

Dr. Curtis Guild: 2021 - 2022  
Centaur Tech, LLC.  
[curtisguild@gmail.com](mailto:curtisguild@gmail.com)

Dr. Jessica Robbins: 2022 – 2023  
Bard College of Simon's Rock  
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Amely Cross: 2022 – 2023  
Asnuntuck Community College  
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Koby Osei-Mensah: 2022 – 2023  
Loomis Chaffee School  
[Koby\\_osei-mensah@loomis.org](mailto:Koby_osei-mensah@loomis.org)

Becca Farri: 2021 - 2022  
[becca.farri@gmail.com](mailto:becca.farri@gmail.com)

To submit content for future *Valchemist* issues contact **Rebecca Lucht**, Newsletter Committee Chair

**Examples of submissions:** regional and national activities, CVS member awards, scholarships opportunities, human interest stories, CVS member achievements, etc.

Retired academic looking to re-home a collection of chemistry and biochemistry books as well as several organic and inorganic model kits. Please contact Ellen Anderson at [profanderson@yahoo.com](mailto:profanderson@yahoo.com)



Executive Board Meeting April 5, 2022, 7:00 pm  
Zoom/WebEx Meeting

#### Attendees

Ellen Anderson, Cristian Aviles-Martin, Tom Burkholder, Amely Cross, Neil Glagovich, Kevin Kittilstved, Rebecca Lucht, David Myers, Koby Osei Mensah, Sharon Palmer, Mark Peczuh, Jesse Robbins, Julie Smist, Frank Torre

#### Minutes

1. Approve February EB Meeting Minutes (Mark Peczuh)

**Motion:** To approve the minutes of the February 2022 EB meeting.

**Motion passed.**

2. Approve the Financial Report. (Ellen Anderson)

**Motion:** To approve the Financial Report.

**Motion passed.**

Note: Ellen proposed to reimburse Kevin for his trip as councilor to ACS San Diego meeting. All members present approved.

3. Old Business

- a. Spring 2022 Travel Awards Report (Mark Peczuh) UG: Ayana Tabo (Trinity)  
G: Prerana Rathore & Evon Petek (UMass), Caleb Griesbach (UConn)
- b. 50-60-70-year member outreach (Sourav Chakraborty) This item was tabled because Sourav was not present.

4. New Business

- a. Undergrad Research Symposium/Student Awards (Kevin Kittilstved/Julie Smist)
  - i. Kevin's notes:  
Registrants starting to come in now. Expecting the rate to pick up.  
Format (Gather Town) will be like last year.  
He expects to collect judges as registrations go out. There will also be information/breakout tables.
  - ii. Neil raised a question about getting/using an email list of Department Chairs in the CVS. Julie has access to a list. Julie will send to Neil (and Nilda).
  - iii. Julie's notes:  
Schools have been contacted. Additional email solicitations are planned. Responses have already come from the following: UMass, Conn College, Smith, Wesleyan.

- b. Olympiad (Edward Fitzgerald)
  - i. Mark reported for Ed. The first [local] round was conducted online. The national competition with the top dozen or so students in the local competition is going to be held at UConn on Friday April 29.
- c. ACS San Diego Councilor Update
  - i. Frank noted that a summary of the councilor talking points will now be in the in newsletter.
  - ii. Kevin noted a change in the ACS by laws concerning committee membership. You do NOT need to be a councilor to be on an ACS national committee. Anyone interested should submit a preference form for consideration. Councilors will put important information on how to proceed in the newsletter. May 25 webinar (Julie to send Rebecca link.).
  - iii. Neil proposed that we send a letter to the ACS President and District Director advocating for one national meeting per year. Note: only one national meeting of the ACS per year is all that is in the by- laws.
  - iv. Recommendations on how to improve ACS meetings can be sent to the councilors. Regional boards can help with administrative support for meetings. ACS recommends local sections that host regional meetings to be incorporated (to sign contracts for the meeting, etc.). CVS is NOT incorporated.
- d. Valchemist Notes (Rebecca Lucht)
  - i. Rebecca is asking for the following for content in the Valchemist:
  - ii. Council members to submit a statement / action items regarding ACS spring meeting Board members to submit dates and additional writeups of spring activities
  - iii. Propose any other ideas for spring Valchemist
  - iv. A memorial is to be added for Gerald Putterman, emeritus member (60 year) of NHS-ACS. He was a board member up until Dec 2021. (An obituary was posted on the CVS-ACS Facebook page)
- e. Other new business.
  - i. Mark raised a point that we need to run the SURF program. Neil will help run SURF in 2022. We hope to have awardees identified by May.
  - ii. Rebecca raised the question about web development once again. All agreed to the need for a better website.
  - iii. Curtis Guild will now be liaison with New Haven Section for the time being based on Rebecca's schedule.



**ACS Eboard Members at May 2022 Meeting**  
(CW) T.Burkholder, K.Kittilstved, R.Lucht, M.Knapp, D.Myers, A.Cross,  
J.Robbins, A.Carter(guest), C.Aviles-Martin, E.Anderson, J.Smist,  
E.Fitzgerald, C.Guild