

American Chemical Society - Pittsburgh Section

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2020 NCW Illustrated Poem Contest

Sticking with Chemistry

https://www.acs.org/content/acs/en/education/outreach/ncw/plan-an-event/illustrated-poem-contest.html

The Pittsburgh Local Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in Kindergarten through 12th grade. This regional contest is open only to students who live in the following Ohio, Pennsylvania, and West Virginia counties:

Ohio: Jefferson. Pennsylvania: Allegheny, Armstrong, Beaver, Butler, Cambria, Clarion, Fayette, Greene, Indiana, Jefferson, Somerset, Venango, Washington, and Westmorland. West Virginia: Brooke, Hancock, and Ohio.

Contest Deadline: October 25, 2020

Prizes: \$50 1st Place and \$25 2nd Place in each of 4 grade categories: K-2nd, 3rd-5th, 6th-8th and 9th-12th grades.

Submissions : K-12 students are asked to submit their illustrated poems directly via the new online submission form: <u>bit.ly/NCWpoems</u>

Winners of the Pittsburgh 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!

Contact: Evonne Baldauff, NCW Coordinator, ebaldauf@waynesburg.edu

Write and illustrate a poem using the NCW theme, "Sticking with Chemistry." Your poem must be <u>no more</u> 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 theme include:

Glue	Slime	Tape	Adhesives
Geckos	Polymers	Adhesion	Cohesion

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 Creativity 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 NCW 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.
- 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.

Spectroscopy Society of Pittsburgh Society for Analytical Chemists of Pittsburgh

October Virtual Meeting Notice

Wednesday, October 14, 2020 5:30 for Tech Forum 6:45 for Business Meeting Tech Program immediately following.

Diane Turnsheck, Carnegie Mellon University "Dark Skies: an endangered natural resource"

Diane Turnshek is a lecturer in the Department of Physics (CMU) and the Department of Physics and Astronomy (Pitt). She runs the Astronomy Public Lecture Series at Allegheny Observatory and coordinates outreach through PghConstellation.com. She's taught astronomy at seven local schools, beginning in 1981, and been a presenter at the Buhl Planetarium. She gave a light pollution TEDxPittsburgh talk, curated a series of space art galleries, founded the local chapter of the International Dark-Sky Association (IDA) and was presented with an IDA Dark Sky Defender Award. With Chloe Nightingale, she edited the Parsec Ink 2019 anthology Triangulation: Dark Skies. She was elected to the organizing committee of the International Astronomical Union (IAU) B7 – Inter-Division B-C Commission Protection of Existing and Potential Observatory Sites and is planning an IAU meeting on light pollution in South Korea in 2021. Twitter: @dianeturnshek

Talk abstract: The US National Parks have adopted the slogan, "Half the Park Is After Dark." Recognizing the sky is a natural resource is hard for people who live in cities and can't see the Milky Way because of light pollution, which now comprises 80% of the population in the US. Advocacy for dark skies has many fronts: issues of public safety, human health and wellbeing, disruptions in the lives of plants and animals, concerns for astronomical research, and energy waste that raises our carbon footprint substantially and unnecessarily. It is the only form of pollution that can be fixed with the flip of a switch, so education is the key to correcting the problem. "Light Smart" means light just what you need, where you need it, at the brightness level needed and only when necessary. Consider shielding lights, using motion sensors, timers, dimmers and choosing LEDs at temperatures of 2700K or below. Don't we all have the right to see a star-filled sky?

Thomas J. Bzik, StatOnTheGo, In. Detecting the Detection Limit

Tom currently works as a statistical consultant for Versum Materials, Inc. after an extended career at Air Products and Chemicals, Inc. He is Chair of ASTM - E11 Quality and Statistics which manages an extensive portfolio of international statistical standards. He chaired the Statistical Methods Task Force in SEMI International Standards for over 20 years. Tom has taught classes at several universities including his alma mater the University of Connecticut. He was the keynote speaker at ASTM's Symposium for Detection Limits in 2018. Tom has extensively published papers and presentations with a focus on properly handling the unique data characteristics of trace contamination data. He considers difficult problems to solve "fun".

Abstract:

Detection limits have proven to be highly controversial in practice despite decades of developmental efforts by analytical scientists and regulators. This high resistance to obtaining effective and accepted detection limit solutions indicates our collective failure in how this problem is traditionally approached. The analytical chemist approaches it from analytical science, the statistician from statistical theory, the regulator from their a desire for regulatory needs, the instrument manufacturer from the standpoint of selling instruments, the contract laboratory from the standpoint of selling services, and the regulated from the standpoint of minimizing their reducing the cost of regulation. This exquisite mix of science, misapplication of science, regulatory needs, and business concerns screams part of the reason highlights why serious trouble abounds. Figuring out how to simultaneously address these constraints is not a trivial task.

Our journey of navigating the detection limit obstacle course successfully begins with a broad view of the problem focused on developing a conceptual understanding of key detection limit concepts and limitations. Throughout the presentation, key detection limit concepts, including the problems caused by our natural biases, will be explored.

Issues in detection limit and rule-set application will be probed since it is at the application level that detection limit standards succeed or fail.

This presentation does not require anything other than a rudimentary knowledge of statistics. While statistics plays a key role in effective detection limit definition, statistics needs to be the last and final piece of solving the detection limit puzzle. In fact, to succeed, statistical practice must come last. Statistics must not drive the definition process; the detection limit goals and the problem environment must drive the development of appropriate statistical practice for detection limit standards.

To register or find out more information, please visit your society's website below:

http://www.ssp-pgh.org/meeting/

http://sacp.org/meeting/

American Chemical Society > Funding

Funding Opportunities

ACS offers funding to support the advancement of the chemical sciences through research, education, and community projects.



ACS supports <u>practitioners of the chemical sciences at every stage</u> of their professional development, including grants and scholarship opportunities for students, student groups, and early-career professionals – apply now for these <u>funding programs</u>!

Applications due October 9

<u>Joseph Breen Memorial Award</u> – Reimburses travel expenses up to \$2,000 for attendance in a green chemistry technical meeting, conference, or training program. Undergrads and graduate students, postdoctoral scholars, and young professionals, international or domestic, are eligible. *Apply now*

<u>Kenneth Hancock Memorial Award</u> – This award for outstanding contributions to green chemistry research and education is announced at the <u>Green Chemistry & Engineering</u> <u>Conference</u> (GC&E), where the awardee must make an oral or poster presentation. Travel and registration to GC&E are reimbursable up to \$1,000. The award is open to undergraduate and graduate students, regardless of citizenship or country of study. *Apply now*

<u>Ciba Travel Award in Green Chemistry</u> – Reimburses travel expenses up to \$2,000 for U.S. high school, undergraduate, or graduate students to attend an ACS technical meeting, conference, or training program. *Apply now*

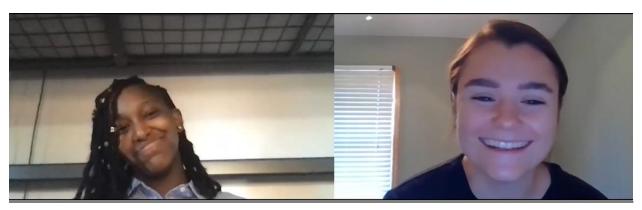
Apply Starting October 1

<u>SCI Scholars Summer Internship</u> – This prestigious 10-12 week industrial internship (summer 2021), was jointly created by ACS, the <u>Society of Chemical Industry</u> (SCI), and the <u>American Institute of Chemical Engineers</u> (AIChE). Includes a \$6,000–\$10,000+ stipend, plus a certificate and an additional \$1,000, which can be used for any purpose, such as participation at an ACS or AIChE meeting. Visit <u>www.acs.org/sci</u> for complete award and eligibility details.

Apply Starting November 1

<u>ACS Scholars Program</u> – Renewable scholarships for underrepresented minority students majoring in undergraduate chemistry-related disciplines, who are also intending to pursue careers in chemistry-related fields. Selected recipients are awarded up to \$5,000 per academic year. *Apply starting November 1*

Interview with 2020 Project SEED Participant



The interviewee (left) is Desirae Nance, and she is a junior at Sewickley Academy. The interviewer (right) is Alysia Mandato, and she is a graduate student at the University of Pittsburgh in the Department of Chemistry.

A video recording of this interview can be found online at <u>www.pittsburghacs.org</u>.

Alysia: Hi, I'm Alysia Mandato, and I'm a member of the Pittsburgh Section of ACS. I also design our monthly newsletter, *The Crucible*. And today I have the pleasure of talking with our summer 2020 SEED participant, Desirae Nance. Hi Desirae! Would you be able to introduce yourself, explaining where you go to school, what grade you're in, and maybe some fun fact about you?

Desirae: My name is Desirae Nance. I will be a junior this upcoming school year and I attend Sewickley Academy. A fun fact about me is that I enjoy playing basketball.

Alysia: Awesome! This year, due to the COVID-19 pandemic, the SEED program was completely virtual. What was a typical day like in the virtual SEED program?

Desirae: A typical day was well they broke us into groups categorized by elements on the periodic table. I was in camp chlorine, and all the other states were in different elements. In the mornings, we had camp meetings with people in our region. I'm from Pennsylvania so I met with people located in Pennsylvania. After that, we went through various discussions with different speakers. There were breaks in between and we had assignments due, and if we needed assistance, our camp leaders would assist us.

Alysia: Very nice. What were some of your assignments like?

Desirae: Some of them focused on helping early with the college process because it was a program for high school students. This was helpful for 10th and 11th graders more so than the freshmen and seniors. We focused on personal statements, resumes, and some fun activities where we got to look into different careers based on what the speakers spoke about.

Alysia: Awesome! What were some of the things you learned in addition to those?

Desirae: One thing they emphasized was networking. Networking is key! We met so many speakers I couldn't even list all the names, so just staying in touch and making sure you have connections because you never know where they can lead you in the future. I also learned the importance of being organized because it was kind of a lot of assignments and you're on computer all day. They taught me about a whole bunch of different careers. Personally, I want to pursue a career in engineering (at least right now). We got to hear about chemical engineering, materials science, environmental engineers, and the list could go on.

Alysia: What was the best part of the program for you?

Desirae: I would say all the different speakers I got to meet and getting to meet different people from your area was kind of cool, too.

Alysia: Do you think you will stay in contact with any of them?

Desirae: Hopefully! I don't know about the people in my group; it was kind of a quiet group, so we'll see.

Alysia: What was the most challenging part of the program? Maybe networking, assignments? What do you think?

Desirae: The challenging part was making sure to get your assignments done and not procrastinate. You have to avoid waiting until the last minute, because it is summer and you have to balance your lifestyle, so just focusing on making sure you're getting everything done.

Alysia: Why did you apply for Project SEED?

Desirae: I applied for Project SEED because I was introduced to it by a program that I'm in. It is called FAME, and it stands for Fund for Advancement of Minorities through Education. That's how I was exposed to it. The leader, Miss Nichelle, knew I was interested in engineering, so she felt like this would be a good program for me to participate in, and I genuinely enjoyed it!

Alysia: What are your interests in engineering? How did you get interested, and where do you see yourself going with it?

Desirae: Throughout school, my favorite subjects were always math and science, and I was like "it could be cool to go into the engineering field in the future". There are so many different choices, but the ones I was thinking about were environmental and chemical. After hearing a lot of presentations, I think chemical is the way I want to go. It would be cool to make a change. I thought about after I intern and get a lot of experience under my belt, and go through that, I would like to somehow run my own business practice with engineering further down the line. I thought that would be cool.

Alysia: Yeah that'd be amazing! Well, we always like to hear people are interested in chemistry even if it's chemical engineering and not straight chemistry. We love chemistry through ACS. Thank you very much for talking with me this afternoon!

MEET THE CANDIDATES FOR ACS PRESIDENT ELECT

The Committee on Nominations and Elections has approved two **Meet and Greet Sessions** for each candidate for ACS President-Elect 2021. Join **Mary K. Carroll** and **Angela K. Wilson** for these informal virtual sessions where they each will share their concerns, insights and visions for the ACS. There will be an opportunity to ask questions following their remarks.

Mary K. Carroll



Angela K. Wilson

September 24 at 3 p.m. ET: <u>https://american-chemical-</u> society.zoom.com/j/6042106552 or call 833-548-0276 US Toll-free, Meeting ID: 604 210 6552.

October 7 at 3 p.m. ET: <u>https://american-chemical-</u> <u>society.zoom.com/j/8548122276</u> or call 833-548-0276 US Toll-free, Meeting ID 854 812 2276.

September 24 at 2 p.m. ET: <u>https://american-chemical-</u> society.zoom.com/j/8548122276 or call 833-548-0276 US Toll-free, Meeting ID 854 812 2276.

October 7 at 4 p.m. ET: <u>https://american-chemical-</u> <u>society.zoom.com/j/6042106552</u> or call 833-548-0276 US Toll-free, Meeting ID: 604 210 6552.

Participants will be placed on mute upon arrival. Questions may be asked through the chat box. For more information, send an e-mail to <u>nomelect@acs.org</u>.

2020 ACS National Election Information



How to Vote

President-Elect, 2021

Mary K. Carroll Union College, Schenectady, New York marycarroll-acs.org

Angela K. Wilson

Michigan State University, East Lansing, Michigan https://www.angelakwilson.com

Directors-at-Large, 2021-2023

Dawn A. Brooks Eli Lilly and Company, Indianapolis, Indiana https://taborfamily7.wixsite.com/dawnbrooksacs2020

Wayne E. Jones, Jr. University of New Hampshire, Durham, New Hampshire

Kristin M. Omberg Pacific Northwest National Laboratory, Richland, Washington kristinmomberg.wordpress.com

<u>Carolyn Ribes</u> Dow Chemical, Terneuzen, Netherlands <u>www.CarolynRibes.com</u>

Director, District III, 2021-2023

Teri Quinn Gray DuPont Transportation & Industrial, Wilmington, Delaware www.teriquinngray.com

Lynne P. Greenblatt Retired, Phare View Concepts Incorporated, Canada

Director, District VI, 2021-2023

Janet L. Bryant Retired, Pacific Northwest National Laboratory, Richland, Washington

Paul W. Jagodzinski

Northern Arizona University, Flagstaff, Arizona

Jeanette M. Van Emon

Retired, U.S. Environmental Protection Agency, Las Vegas, Nevada

More information about ACS policies for elections and campaigning can be found in the <u>ACS</u> <u>Governing Documents</u> and in Guidelines on Campaigning and Communication.



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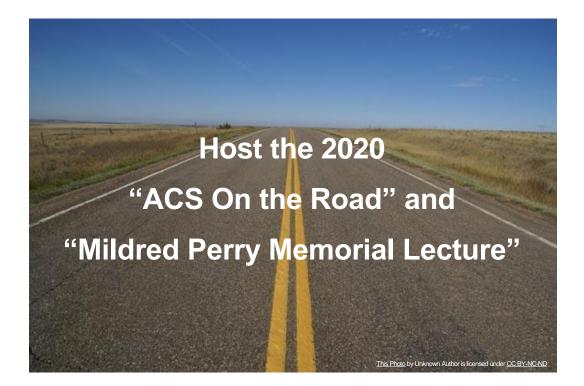
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Each year the Pittsburgh local section features an "On the Road" event, which includes the "Mildred E. Perry" memorial lecture. This is a great opportunity for local section chemists to visit your site or campus. The organizers choose the speaker and program details. Past organizers would be happy to share their experience and websites if the host location is interested. This event was hosted by Saint Francis University in 2019 and featured Dr. Megan Matthews from the University of Pennsylvania. If your institution is located in the Pittsburgh Local Section and you would like to host the 2020 ACS "On the Road" event, please contact ACS Chair, Matthew Price (price@calu.edu).





Dear Academic ACS Pittsburgh Section Members,

The Pittsburgh Section of the American Chemical Society has budgeted funds to help encourage undergraduate/graduate student participation in national and regional ACS meetings. The awards are intended to help defray meeting registration and travel-related expenses (lodging, transportation, per diem) for eligible students. Awards will be made based on the scientific merit of the paper/poster to be presented, financial need, and preference will be given to ACS members.

To apply for the funds, applicants should complete the attached application and return it by the relevant deadline. The deadlines for receipt of applications are as follows:

- 06/01 (for travel to be completed by 12/31)
- 12/01 (for travel to be completed by 06/30)

As noted on the application, students should include an abstract and confirmation (if received) of the paper/poster being accepted for the Meeting. In addition to the application form, applicants should include a recommendation letter from the PI of the project being presented and/or a recommendation letter from another and a personal statement as to the anticipated benefits of meeting attendance.

Applications can be made electronically (*preferred*) by emailing the application to Heather Juzwa (<u>hljuzwa@shimadzu.com</u> or <u>heather sapko@hotmail.com</u>) or by mailing a hard-copy application (Pittsburgh Section ACS Travel Grants / Heather Juzwa / Center / 321 Winners Circle / Canonsburg, PA 15317).

Since 2013, the Pittsburgh Section of the ACS has awarded up to four \$500 grants each year to aid our undergraduate/graduate student members in presenting papers or posters at ACS Meetings. This is an ongoing program in our Section, and details will be updated on our website (<u>www.pittsburghACS.org</u>) as necessary.

Applicants will be notified via email that their application was received. All efforts will be made to announce awards within two weeks of the application deadline, and all applicants will be notified of the final committee decisions. Our Section is looking forward to helping increase the participation of local students in ACS conferences. If you have any questions, please do not hesitate to contact me.

Sincerely,

Heather Juzwa, ACS Pittsburgh Section Student Travel Grants, Chair Senior Field Sales Engineer, Shimadzu Scientific Instruments, Inc



	Application Deadline	Travel Completion Date		
	December 1	June 30 (subsequent yea		
	June 1	December 31 (same yea	r)	
Name of Applicant:				
Name of Institution:				
Under	rgraduate Student / Year			
Gradu				
Mailing Address to Receive	ve Payment if Awarded:			
Email:		Phone:		
PI				
* If you do not know your	ACS number, please email <u>h</u>	IJUZWa@snimaazu.com to	eceive it by email	
Meeting Location:		<pre> Meeting Date:</pre>		
Project Title:				
Paper Presentation	on Poster Prese	ntation		
*Please attach a copy of	your project abstract to the a	application.		
Has your project been ac	cepted? Yes	No		
*Attach documentation r	regarding acceptance if recei	ved at point of application		
Will this be your first pre	sentation at an ACS national	or regional meeting?	Yes N	lo
If no, please list conferen	nces at which you have prese	nted:		

Purpose of grant:
Other funding sources (if any):
Personal Statement of anticipated benefits of meeting attendance:
Has the applicant received a travel grant from the ACS Pittsburgh Section in the past? Yes No
If your application was selected, the Pittsburgh Section of the ACS would like you to write a short (one page) description of your activity upon completion of the conference for publication in our monthly newsletter, The Crucible, and on our website. The description is due within 30 days of the meeting attended. Photos are welcomed and encouraged.
I am willing to complete this report: Yes No
Signature:
Date:
Send completed hard-copy applications and supporting documentation to:
Pittsburgh Section ACS Travel Grants
Heather Juzwa, 321 Winners Circle, Canonsburg, PA 15317
Electronic copies of completed applications should be sent to <u>hljuzwa@shimadzu.com</u> and

heather sapko@hotmail.com. Be sure to place "Pittsburgh Section ACS Travel Grants" in the subject line.

Pittsburgh Section Officers

Chair

Matthew Price 250 University Ave California, PA 15419 724-938-4153 price@calu.edu

Secretary

Sara Smith 90 Emerson Ln Bridgeville, PA 15017 <u>sara.smith@perkinelmer.com</u>

Treasurer

Evonne Baldauff 51 W. College St. Waynesburg, PA 15370 724-852-7617 ebaldauf@waynesburg.edu

Volunteers Needed!

There are a number of volunteer opportunities in the Pittsburgh ACS Section! If you are interested in volunteering, please contact Heather Juzwa at <u>hljuzwa@shimadzu.com</u>!

The Crucible Deadline

The deadline for items submitted to The Crucible is the 15th of the month prior to publication. For example, all items for the April 2020 issue must be to the editor by March 15th, 2020.

The Crucible

The Crucible is published monthly, August through May. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

Design Editor: Alysia Mandato, crucible@pittsburghacs.org



Spectroscopy Society of Pittsburgh

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Society for Analytical Chemists of Pittsburgh

Calling New Members!

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Full Page	\$120	\$115	\$100	\$75
Half Page	\$75	\$70	\$60	\$45
3.5″ x 2″	\$50	\$45	\$25	\$20

ACS Member-Get-a-Member

Recruit a new member to the American Chemical Society and receive a free 2020 Periodic Table of the Elements blanket!

See <u>here</u> for more information

ACS Regional Awards – Apply Today!

More information can be found here