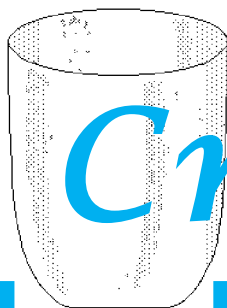


The Crucible



Volume CV, No. 4

December 2019

The History of the ACS “On the Road” Mildred Perry Memorial Lecture

Thank you to member Dr. John Baltrus for this contribution.



CERM 2003 Meeting – Plenary Lecture John Fenn (2002 Nobel Laureate in Chemistry) with General Chair, Mildred B. Perry

Upon reflection of the recent history of the Pittsburgh Local Section, one would see Millie Perry’s significance. She served as Chair of the section and General Chair of the Central Regional Meeting in Pittsburgh in 2003. She was also instrumental in establishing the ACS “On the Road” Lecture to make our section’s large geographical footprint feel more united. Read [Millie’s bio and how this lecture came to be](#), written by John Baltrus. We miss you every day, Millie!

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2019 NCW Illustrated Poem Contest - Winning Entries

The Pittsburgh Section of the American Chemical Society's (ACS) sponsored an illustrated poem contest for students in grades K-12 in support of the 2019 National Chemistry Week (NCW) program. Students could pick topics related to the 2019 NCW theme "Marvelous Metals." First and second place winners were selected from four grade categories: K-2nd, 3rd-5th, 6th-8th, and 9th-12th. Poems could be any style (free verse, limerick, haiku, etc.). Entries were judged based upon relevance to and incorporation of the theme, word choice and imagery, colorful artwork, adherence to poem style, originality and creativity, and overall presentation.

Each 1st place winner will receive \$50 and 2nd place winners will receive \$25. We had a total of 76 works submitted from 17 different schools in the Pittsburgh region. A special thank you to all teachers and parents who encouraged their students and children to enter.

And the winners of the Pittsburgh Section ACS's NCW 2019 Illustrated Poem contest are:

K-2nd Grade

1st Place: Abigail H., Penn Hills Elementary; Teacher – Mrs. Johnson

2nd Place: Jelani M., Penn Hills Elementary; Teacher – Mrs. Johnson

3rd-5th Grade

1st Place: Dante F., Boyce Middle; Teacher – Mrs. Fleckenstein

2nd Place: Thomas Q., Linton Middle School; Teacher – Mrs. Johnson

6th-8th Grade

1st Place: Nithya K., Moon Area Middle School; Teacher – Mr. Zajicek

2nd Place: David K., Butler Intermediate High School; Teacher – Mrs. Sankey

9th-12th Grade

1st Place: Alexzia S., Shaler Area High School; Teacher – Mrs. Murphy

2nd Place: Jabria G., Pittsburgh Allderdice High School; Teacher – Mrs. McClelland

Congratulations to all our local contest winners!

Two Pittsburgh Section ACS Members Win National Awards in San Diego

Congratulations to two of our Pittsburgh Local Section Members for winning ACS National Awards at the fall meeting in San Diego.

Angela M. Gronenborn from the University of Pittsburgh won the E. Bright Wilson Award in Spectroscopy which recognizes outstanding accomplishments in fundamental or applied spectroscopy in chemistry.

Anil Kumar from PPG won the ACS Award for Creative Invention which recognizes a single inventor for the successful application of research in chemistry and/or chemical engineering that contributes to the material prosperity and happiness of people.



ACS Pittsburgh Section Member Rachel Harris Featured in ACS Industry Matters Newsletter

ACS Pittsburgh Section Member Rachel Harris was recently featured in ACS's Industry Matters Magazine for her work at PPG. See the article [here](#). Congratulations, Rachel!

A promotional poster for the NATAS 47th Annual Conference. The background features a city skyline at night with a prominent skyscraper. The text is arranged in a diagonal layout. The acronym 'NATAS' is at the top right in large purple letters with a rainbow-colored 'A'. Below it, a list of technical sessions is provided. On the left, the full name of the society and the conference details are listed. At the bottom right, a word cloud contains terms related to thermal analysis and materials science.

NORTH AMERICAN THERMAL ANALYSIS SOCIETY
47th Annual Conference

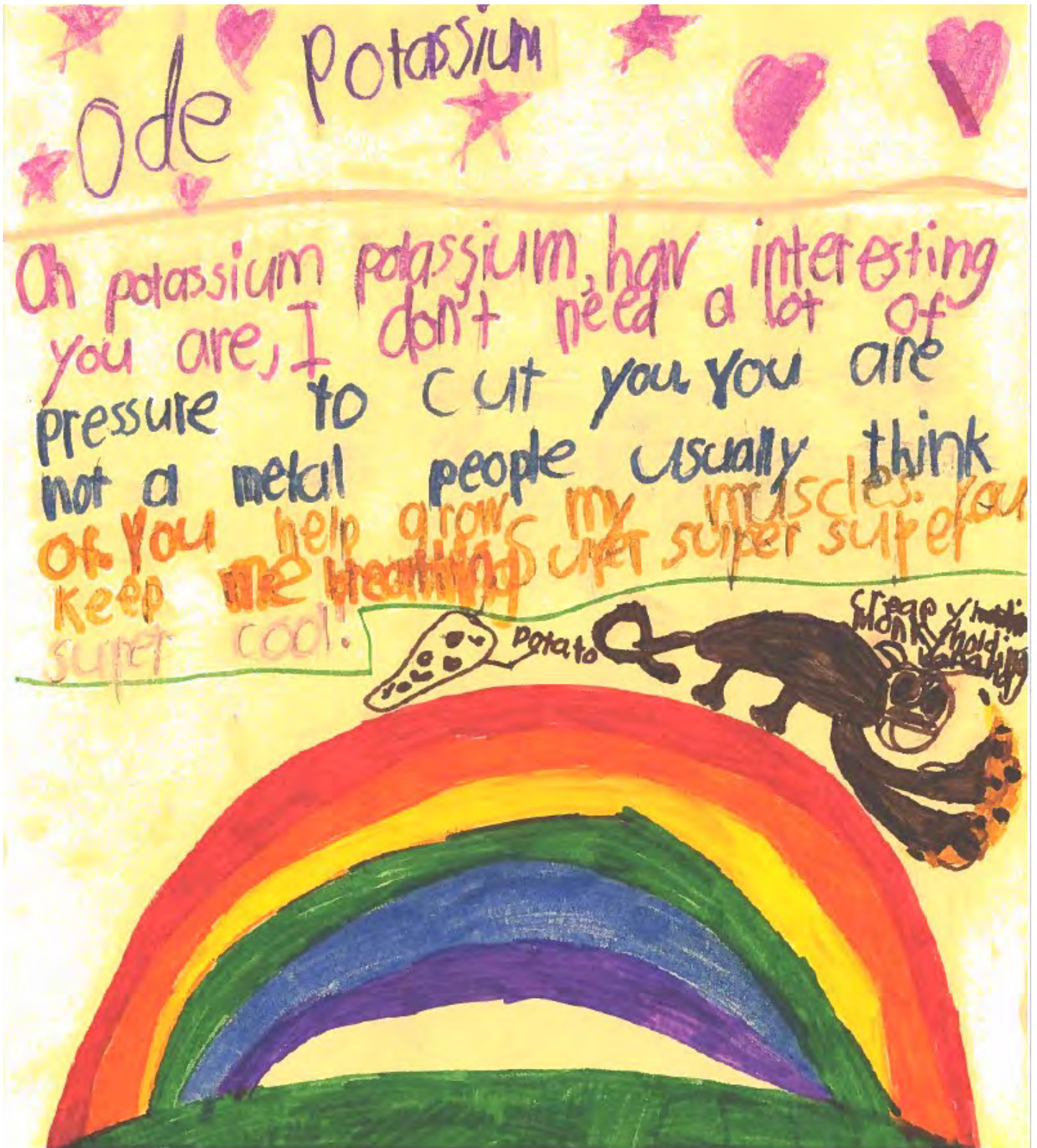
Technical Sessions(tentative):
Additive Manufacturing
Polymers
Pharmaceuticals
Kinetics
Energetic materials
Process Safety
Rheology
Food Science
Metal & Ceramics
TA Theory and Fast Scan Calorimeter
Rheology
General Poster/Student Poster
Thermal Conductivity

Technical Conference
August 3-6, 2020
Case Western Reserve University
Cleveland, Ohio, USA
See details: www.natasinfo.org

NATAS

energetic
sustainable
safety glasses
Biomaterials
manufacturing
Thermal Analysis
pharmaceuticals
Conductivity
kinetics
DSC
chemistry

2019 NCW Illustrated Poem Contest - Winning Entries

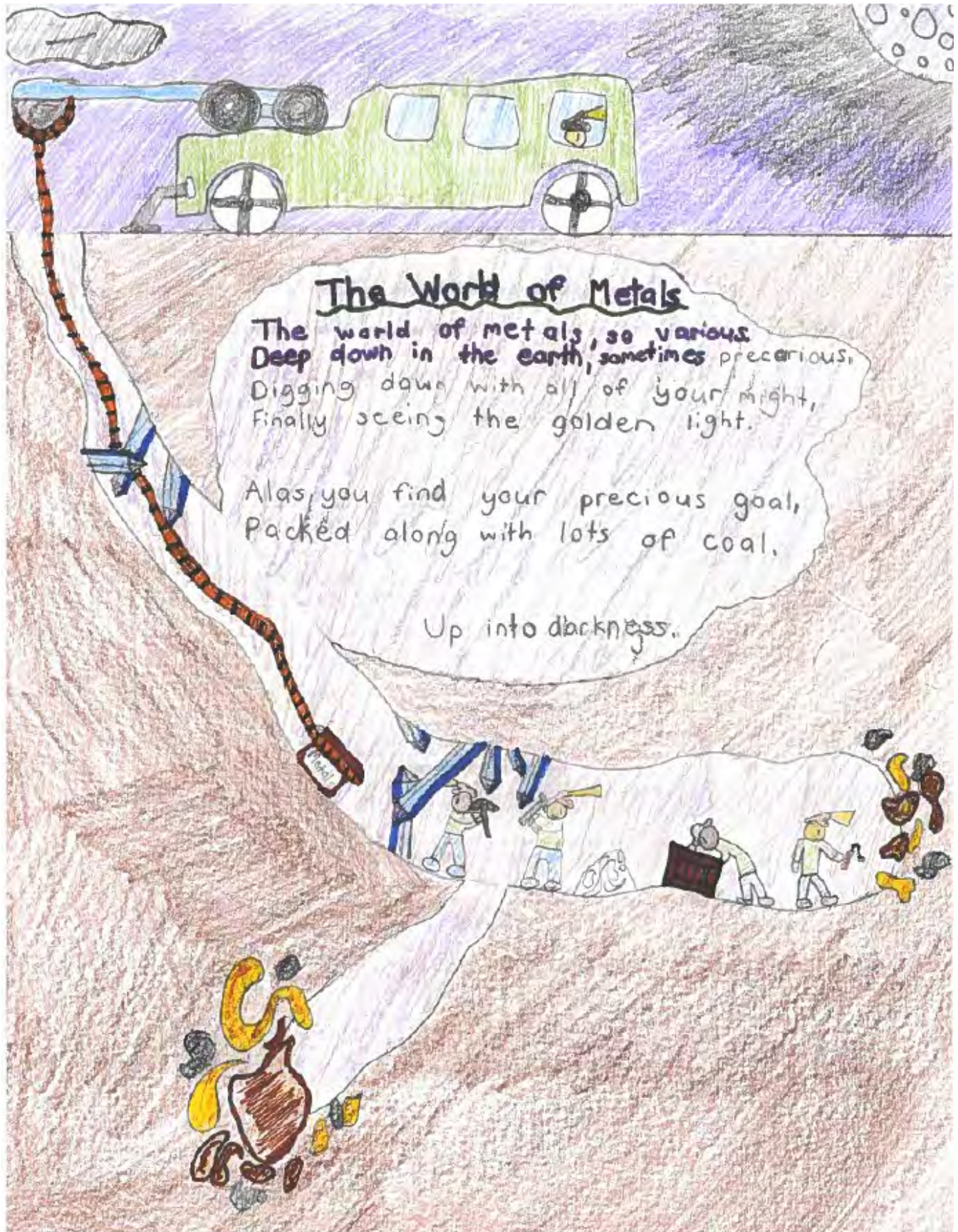


K-2nd Grade - 1st Place: Abigail H., Penn Hills Elementary; Teacher – Mrs. Johnson

2019 NCW Illustrated Poem Contest - Winning Entries



K-2nd Grade - 2nd Place: Jelani M., Penn Hills Elementary; Teacher – Mrs. Johnson



3rd-5th Grade - 1st Place: Dante F., Boyce Middle; Teacher – Mrs. Fleckenstein

2019 NCW Illustrated Poem Contest - Winning Entries

Can you tell me about Gallium please?

It boils at 4000 degrees!

It melts in your hand.

It's in high demand

For solar panels and LEDs!



3rd-5th Grade - 2nd Place: Thomas Q., Linton Middle School; Teacher – Mrs. Johnson

2019 NCW Illustrated Poem Contest - Winning Entries



6th-8th Grade - 1st Place: Nithya K., Moon Area Middle School; Teacher – Mr. Zajicek

2019 NCW Illustrated Poem Contest - Winning Entries

A **L**imerick ^{for} **L**anthanide
by David Krainbucher

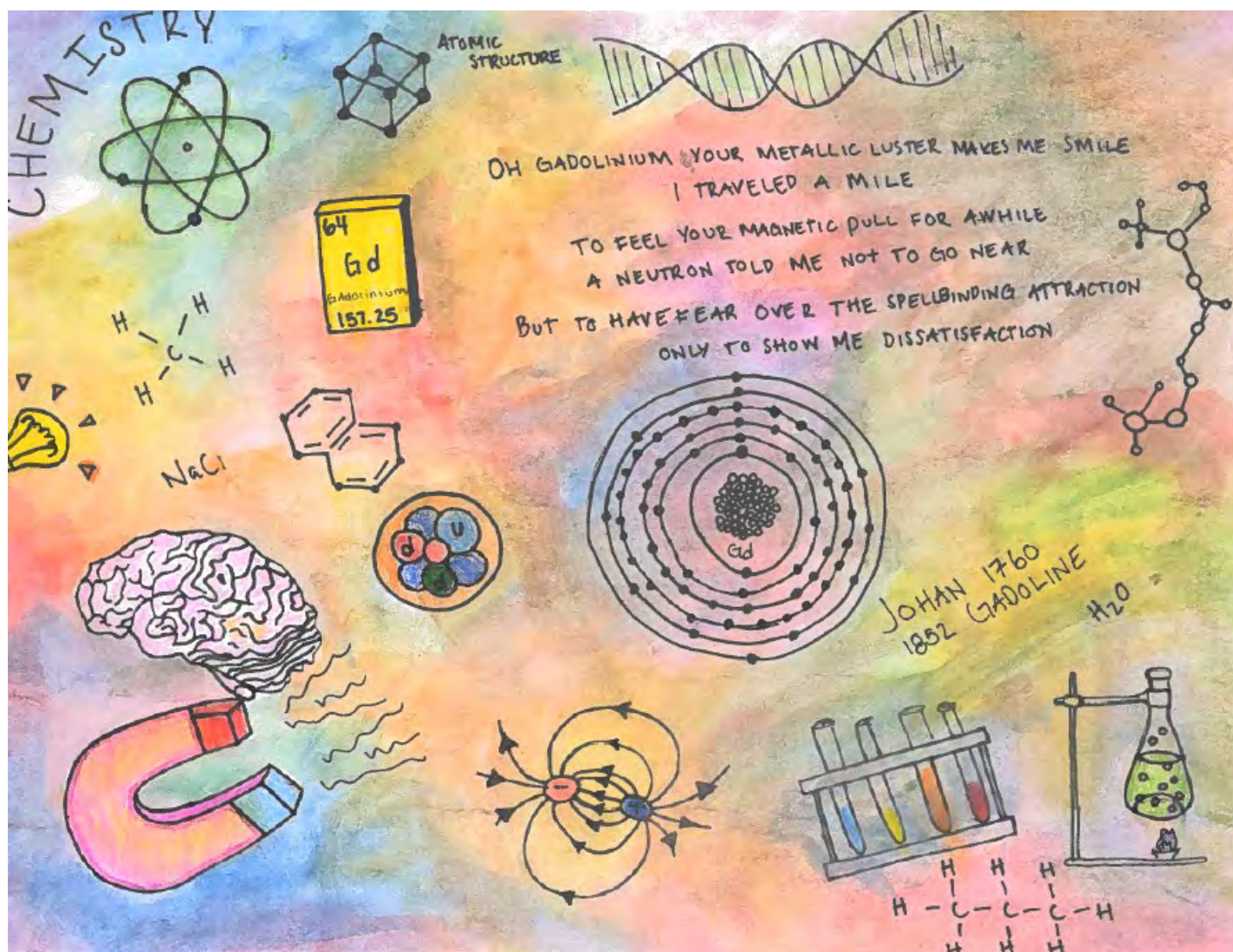


Gadolinium's in MRIs,
As large magnets three times your size.
It's ferromagnetic,
So not as pathetic,
As the other thirteen lanthanides.



6th-8th Grade - 2nd Place: David K., Butler Intermediate High School; Teacher – Mrs. Sankey

2019 NCW Illustrated Poem Contest - Winning Entries



9th-12th Grade - 1st Place: Alexzia S., Shaler Area High School; Teacher – Mrs. Murphy

2019 NCW Illustrated Poem Contest - Winning Entries

Jabria Green
Oct 20, 2019

~ MARVELOUS ~
METALS

In the Crust
The world upon them
Silent but not still
As they have been on this Earth before all men

Small as grain,
and found in clumps
inorganic material scattered below us
Deep, oh so deep in the Crust



9th-12th Grade - 2nd Place: Jabria G., Pittsburgh Allderdice High School; Teacher – Mrs. McClelland



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

(hjuzwa@shimadzu.com or heather_sapko@hotmail.com) 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, (www.pittsburghACS.org), 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.



<i>Application Deadline</i>	<i>Travel Completion Date</i>
December 1 st	June 30 th (subsequent year)
June 1 st	December 31 st (same year)

Name of Applicant: _____

Name of Institution: _____

_____ Undergraduate Student / Year

_____ Graduate Student / Year

Mailing Address to Receive Payment if Awarded _____

Email: _____ Phone: _____

PI: _____

ACS Membership No.*: _____

**If you do not know your ACS number, please email hlijuzwa@shimadzu.com to receive it by email.*

Meeting Location: _____ Meeting Date: _____

Project Title: _____

_____ Paper Presentation _____ Poster Presentation

**Please attach a copy of your project abstract to the application.*

Has your project been accepted? Yes No

**Attach documentation regarding acceptance if received at point of application.*

Will this be your first presentation at an ACS national or regional meeting? Yes No

If no, please list conferences at which you have presented: _____

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 hljuzwa@shimadzu.com and heather_sapko@hotmail.com. Be sure to place "Pittsburgh Section ACS Travel Grants" in the subject line.

Business Directory

Services

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Amy Rupert

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Pittsburgh, PA 15237

treasurer@pittsburghacs.org

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 January 2020 issue must be to the editor by December 15, 2019.

Services

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 hjuzwa@shimadzu.com!



Society for Analytical Chemists of Pittsburgh CALLING NEW MEMBERS

Dues Only \$10.00, Call the SACP

Administrative Assistant at

412-825-3220 Ext. 200 **Right Now!**

The Crucible

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Services

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Stay up-to-date on all the happenings of the Pittsburgh Section ACS

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www.pittsburghacs.org

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American Chemical Society

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American Chemical Society

Spectroscopy Society of Pittsburgh

- Professional Networking within the Spectroscopy Community
- Monthly Symposia by Prominent Researchers
- Promoting Science Education



To Join Call the Administrative Assistant:
412-825-3220 ext 200

The Crucible

A newsletter of the Pittsburgh Section of the American Chemical Society

124 Moffett Run Rd.

Aliquippa, PA 15001

Change of Address

If you move, notify the American Chemical Society, 1155 Sixteenth Street, N.W., Washington, D.C. 20036.

To avoid interruption in delivery of your CRUCIBLE, please send your new address to Traci Johnsen, 124 Moffett Run Rd., Aliquippa, PA 15001. Allow two months for the change to become effective.

Pittsburgh Area Calendar

Friday, December 6

Pittsburgh Award Dinner

Grand Concourse, 100 West Station Square Dr., Pittsburgh, PA