

THE CAPITAL CHEMIST



A Publication of the Chemical Society of Washington Section of the American Chemical Society

Project SEED Celebrates 50th Anniversary

This year is Project SEED's 50th anniversary, and it is off to a great start! Eleven students from all over the DC area were accepted into the program, and after orientation on June 16, they had the opportunity to work in labs at the Library of Congress, the National Institute of Standards and Technology, the University of Maryland (College Park and Baltimore County), American University, the George Washington University, and Georgetown University.

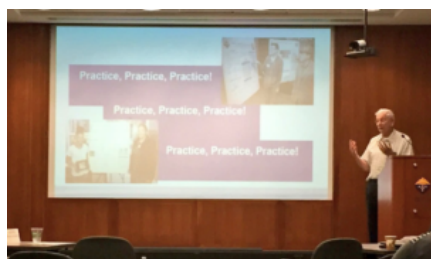
On July 14, we held a career panel, where representatives from an array of industries discussed various career paths with the Project SEED Fellows. This event was followed by a scientific presentation workshop on August 11, where CSW volunteers discussed with the fellows how to present their research in both oral and poster format. The end of the event allowed for the fellows to work one-on-one with volunteers to discuss their research and plan their research presentations.

The summer was capped off on August 25 with the Project SEED Research Symposium. A recap of that event will appear in a future issue of the *Capital Chemist*.

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Inside this issue:

- This year's NCW theme is, "Chemistry is Out of This World!"
- Start planning your Illustrated Poem Contest for NCW
- Submit a proposal for the annual Dupont Summit
- Learn about this year's High School Chemistry Olympiad



Blast Off for 2018 National Chemistry Week!

This year's National Chemistry Week (NCW) theme is "Chemistry is out of this world!" focusing on astrochemistry. You will learn more about the chemistry of outer space in this year's issue of *Celebrating Chemistry*. Outer space is mostly empty, with some objects, such as planets, moons, stars, asteroids, and comets, scattered throughout it. Join us as we learn about the stars, the Sun, and what it takes to live in outer space. The electronic version of the *Celebrating Chemistry* Newsletter is available from the ACS website (www.acs.org/ncw).



Each year the American Chemical Society's NCW campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. NCW is a community-based annual event that unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. It is the one time during the year that chemists, regardless of background, unite with the common goal of spreading the word that chemistry is good for our economy, our health, and our well-being.

The Chemical Society of Washington (CSW), along with the ACS Office of Community Activities, is planning several NCW events. Volunteers are needed for these outreach activities. We are in the early stages of planning the events, so watch for additional information in the October *Capital Chemist*, on the CSW website.

You can contribute to the NCW campaign by performing chemical demonstrations at a neighborhood school (consider having an illustrated poem contest!); conducting hands-on activities with children at museums, malls, or libraries; or writing articles or letters to the editor of your local paper. If you would like to lead an activity at your local school or library, CSW will provide you with some grade-specific materials to hand out to the students, as well as some simple demonstrations that you can use.

More information about local activities will be posted on the CSW website (www.capitalchemist.org) as they become available. For further information, or to volunteer, contact the CSW NCW coordinator, Kim M. Morehouse via e-mail at kim.morehouse@fda.hhs.gov, or by phone at 240-402-1889 (day) or 301-384-7311 (evening).

CSW Participation in National Chemistry Week at Crystal City Family Festival

As part of National Chemistry Week on Sunday, October 28, 2018, CSW will once again participate in the Family Festival event in Crystal City, Arlington, VA in conjunction with the Marine Corp Marathon, from 9:00 a.m. to 2:00 p.m.. CSW volunteers will perform hands-on activities for the children who attended and distribute copies of the *Celebrating Chemistry* newsletter and Chemistry-themed items.

To volunteer, please contact the CSW NCW Coordinator, Kim M. Morehouse via e-mail at kim.morehouse@fda.hhs.gov.

2018 NCW Illustrated Poem Contest Chemistry is Out of This World

The Chemical Society of Washington Local Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in Kindergarten through 12th grade.

Contest Deadline: Monday, October 29, 2018

Prizes: The winning entry for each grade category will receive a chemistry tee shirt

Contact: Kim Morehouse, kim.morehouse@fda.hhs.gov

[Complete the attached form to submit with your entry.](#)

Winners of the Chemical Society of Washington 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!

Write and illustrate a poem using the NCW theme, "Chemistry is Out of This World." Your poem must be no more than 40 words and in the following styles to be considered:

HAIKU - LIMERICK - ODE - ABC POEM - FREE VERSE - END RHYME - BLANK VERSE

Possible topics related to space chemistry include:

- Light
- Stars
- Atmosphere
- Spectrum
- Planets
- Gases



- Supernova
- Ultraviolet

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.
- 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.

Call for Proposals: 11th Annual Dupont Summit 2018

The annual call for proposals for this year's Dupont Summit 2018, to be held on Friday, December 7th at the Historic Quaker Meetinghouse, is currently open. In order to submit a paper for consideration, please send a 1-2 page abstract to PSO Executive Director, Daniel Gutierrez, at dgutierrez@ipsonet.org, or call 202-349-9282. The early consideration deadline will be October 15th, 2018. Proposals submitted by the early deadline will be given priority.

The goal of the Dupont Summit is to promote multidisciplinary conversation and networking across the social and political spectrum about pressing issues related to science, technology and the environment. The conference brings together academics, government, business and social leaders from a variety of backgrounds, for discussion about issues that include but that are not limited to:

- Health
- Energy
- National security
- Information and telecommunications

- Environment and climate change
- Biotechnology
- Genetics and stem cells
- Water and natural resources
- Science research and education
- Technology and innovation
- Space
- Ethical, legal and social implications of science and technology policy

Other topics are welcome. The conference mirrors the interest of the PSO and its partners in promoting conversation about current policy concerns. Please feel free to forward this invitation to any potentially interested individuals or organizations.

To learn more about the Dupont Summit, click [HERE](#).

Report on the 2018 CSW High School Chemistry Olympiad

By Regina Cody, 2018 Chemistry Olympiad Coordinator

The U.S. High School Chemistry Olympiad is an annual program for high school students that has been organized by the American Chemical Society (ACS) since 1984. The Chemical Society of Washington (CSW) is proud that it is one of 17 Local Sections that has participated in this Olympiad each year. The CSW conducts its Local Section Olympiad at two levels; the first level is the Local Section examination in March, and the second level is the U.S. National examination in the latter half of April. For the National exam, ACS allotted the CSW eighteen student places with the rule that a maximum of two students can be from one school. About 1,000 students across the U.S. take the three-part National exam, and the twenty students who have the highest scores are invited to the study camp in June at the U.S. Air Force Academy in Colorado. Four students from the study camp attendees are selected for the U.S. team to participate in the International Chemistry Olympiad in July.

CSW purchased the Local Section examination from ACS to select the 18 students, and we worked with the high school chemistry teachers for this purpose. E-mails were sent to teachers asking for the nomination of up to 20 students to take the Local Section exam, which is a multiple choice exam of 60 questions. Teachers from seventeen high schools nominated a total of 160 students. Nine of the high schools were in Maryland, five were in Virginia, and three in Washington, D.C.

The U.S. National Chemistry Olympiad (USNCO) Exam was given on April 20th in the Bioscience Education Center at the Germantown Campus of Montgomery College. This exam consisted of three separate parts: one multiple choice, one written essay response, and one laboratory practical and was given in the same time period, April 17-23, across the U.S. to about 1,000 students. The ACS had a separate grading site and team to grade the National exam. Although none of the CSW students qualified for the Study Camp in June at the Air Force Academy, five students from CSW received Honors: David Fang from Montgomery Blair High School, Anne Li from Thomas Wootton High School, Dan Ni from Langley High School, and Sohom Paul and William Xu from Thomas Jefferson High School for Science and Technology.

The 50th International Chemistry Olympiad competition was held July 19-29 in Bratislava, Slovakia and Prague, Czech Republic with 296 students from 76 countries. The U.S. Alpha Lambda Team performed excellently and won four gold medals. Jeffrey Shi of Marcellus High School, NY won the fourth highest-ranking gold medal; Michelle Luof from Pomperaug High School, CT, Andrew Wufrom from Park Tudor School, IN, and Yutong Dai of Princeton International School, NY also earned gold medals placing 10th, 12th and 13th, respectively.

The eighteen students who took the U. S. National Exam for the CSW are listed below:

Student	Chemistry Teacher	High School	City, State
Veer Patel	Dr. Michael Tomlinson	The Academy of Science	Sterling, VA
Nikolaus (Alex) Schandlbauer	Deanna Tomanelli	BASIS Washington DC Public Charter School	Washington, D.C.
Cameron Khan	Ina Koppel	Chantilly High School	Chantilly, VA
Elizabeth Zampella	Xu Duan	Holton – Arms School	Bethesda, MD
Amy Chang	Yan Lin	Home Schooled	Fairfax, VA
Ethane Fine	Beverly Sivaslian	Landon School	Bethesda, MD
Dan Ni	Leah Puhlick	Langley High School	McLean, VA
Belinda Xi	Leah Puhlick	Langley High School	McLean, VA
David Fang	Tran Pham	Montgomery Blair High School	Silver Spring, MD
Jonathan Guo	Susan D. Bingham	Oakton High School	Vienna, VA
Angela Sun	Brendan Mallory	Richard Montgomery High School	Rockville, MD
Alan Tong	Brendan Mallory	Richard Montgomery High School	Rockville, MD
Andrew Melman-Rogers	Leslie George	Saint Alban's School	Washington, DC
Robert Shekoyan	Leslie George		
Sohom Paul	Hadan Kauffman	Thomas Jefferson High School for Science and Technology	Alexandria, VA
William Xu	Hadan Kauffman		
Anna Li	Brett Bentley	Thomas S. Wootton High School	Rockville, MD
Richard Tan	Brett Bentley		

I thank very much the individuals below who gave generously of their time and knowledge to make the National Exam day possible.

- At the Germantown Campus of Montgomery College, Professor Scot Magnotta, Chair of the Chemical and Biological Sciences Department and Vivian Kruff, Lab Manager, who did all the preparation for the Lab Practical.
- Dr. Elinor Santor, Retired, who helped proctor the written exams and assisted in the breakfast-lunch room.
- Mr. Xu Duan, chemistry teacher at Holton-Arms School, who helped proctor the lab practical, did initial lab clean-up, and assisted in the breakfast-lunch room.

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- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- <http://membership.acs.org/W/WashDC/career.html>



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Capital Chemist Staff

Voice: 202-659-2650

Email: thecapitalchemist@gmail.com

Twitter: @CapitalChemist

Chair, Publications

Christopher W. Avery

Editor, Business Manager

Jessica L. Rasmussen

Publisher

Chemical Society of Washington

Advertising Manager

MBO Services

PO Box 1150, Marshfield, MA 02050

Vince Gale, Advertising Manager

vincegale@mboservices.net

781-837-0424 voice

CSW Correspondence

CSW, 1155 16th Street, NW, O-218

Washington, DC 20036

202-659-2650 voice

email: csw@acs.org

www.capitalchemist.org

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The **Chemical Society of Washington (CSW)** is the local ACS Chapter for the Washington, DC area and serves approximately 4,000 members.

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CSW Calendar of Events

September 24: Board of Managers Meeting

October 11: CSW Meeting

October 21-27: National Chemistry Week

October 28: Crystal City Family Festival

October 29: Illustrated Poem Deadline

November 8: CSW Meeting

November 28: Board of Managers Meeting

December 15: CSW Meeting