

THE CAPITAL CHEMIST

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

Join us for our December 14, 2019 Appreciation Luncheon

Join us for a luncheon to honor CSW's Members of 50, 60, and 70 years.

The featured speaker will be Lois Ann Beaver, FDA, Retired, who will present, "*Chemists Work To Avert Opioid Tragedies.*"

Speaker: Lois Ann Beaver, FDA, Retired

Presentation Title: "*Chemists Work To Avert Opioid Tragedies*"

Biography

After obtaining a BS in Chemistry and in Mathematics at Rosary Hill (now Daemen) College in Buffalo,



Lois began a multi-decade career with the U.S. Food and Drug Administration that included graduate studies in Chemistry and International Law at Georgetown University. She continues to focus on separation science and analytical chemistry in the biopharmaceutical area. While working in the FDA's Office of the Commissioner, she served on the FDA Pharmaceutical Quality Council that conceived and developed Quality by Design; led activities for the FDA's joining of the international Pharmaceutical Inspection Cooperation Scheme; worked as a liaison with international organizations like the European Commission and the World Health Organization; managed the export program for unapproved pharmaceuticals. She was also the Associate Director for International Harmonization, working on activities such as the International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use (ICH); was U.S. Coordinator for Veterinary ICH; and delegate to the APEC, (Asia Pacific Economic Cooperation) Life Sciences Innovation Forum. Lois also led international projects on anti-counterfeiting of medical products and good manufacturing practices in emerging countries and established a pharmaceutical information center in Cairo. In addition, along with a colleague, she founded an instrument company, and managed it for 10 years, and achieved 12 patents.

Currently, Lois is an Emeritus Member of ACS and is a Board Member of the Washington Chromatography Discussion Group, the Potomac River Jazz Club, and the Maryland Federation of NARFE (National Active and Retired Federal Employees). Also, she is on the organizing Committees of PREP 2020, (Preparative Chromatography) and HPLC 2020, (International Symposium on High Performance Liquid Phase Separations and Related Techniques).

Abstract

For centuries individuals have developed or modified products intended for human consumption. In those instances when the main driving factor is to gain money rather than to improve the human condition negative results become apparent. This is the case of the current opioid tragedies occurring in the United States.

Background on opioid related matters with a focus on developer chemists and chemists who assist in solving problems will be provided. Included will be an update of efforts to address the issues with Fentanyl that pose a global threat.

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Inside this issue:

- Read the new CSW Conduct Policy
- Attend the next YCC Happy Hour
- See the results of the CSW election
- Learn about two award announcements from the EPA
- Judge a science fair
- See how CSW participated in the Pump-chem Festival

Meeting Details:

Saturday, December 14, 2019

11:30 a.m. Check-in
12:00 Noon Lunch
1:00 p.m. Presentation

RSVP BY: Wednesday, December 11, 2019 to csw@acs.org (preferred) or 202-659-2650 (voicemail). Please provide the name(s) in your party, including spelling. Space is limited and will be taken on a first come basis.

Alfio's La Trattorio Restaurant
4515 Willard Avenue – Chevy Chase, Maryland 20815

Cost: \$0.00 Honorees with one guest
\$30.00 Members/Guests
\$15.00 Students / High School Teachers

Menu:

Choice of Entrée: Chicken, Veal, Flounder, or Eggplant
Served with: house salad, bread, beverage (coffee, tea or soft drinks), and dessert
Alcoholic beverages available for purchase

New CSW Conduct Policy

CSW's Board of Managers voted on November 21st to accept a conduct policy for members and guests when participating in CSW/ACS events. A copy of the policy is included here, and is posted on the Capital Chemist website's "About Us" section: <https://capitalchemist.org/about-csw/>.

Conduct Policy for the Chemical Society of Washington

Statement

The Chemical Society of Washington (CSW), which is a local section of the American Chemical Society (ACS), aims to provide an inclusive environment where members and guests can conduct business and/or participate in activities in the absence of any type of discrimination or harassment. CSW does not tolerate discrimination or harassment on the basis of age, color, ethnicity, race, nationality, disability, gender, gender expression, gender identity, sexual orientation, religious affiliation or belief, political affiliation or ideology, or marital or family status. All CSW members and guests are expected to comply with this conduct policy at all times while they are participating in any matters associated with ACS or CSW. These matters may include but are not limited to communications (electronic or social media), meetings (board, dinner, or local), outreach activities, and any other CSW sponsored events.

Definitions

The Chemical Society of Washington defines discrimination as any unjust decision or treatment that involves an imbalance in benefits, educational opportunities, mentorship, employment, evaluation, professional opportunities, or retaliation directed towards any category of people listed above.

The Chemical Society of Washington defines harassment as a type of discrimination that consists of a single intense and severe act OR multiple persistent or pervasive acts, which are abusive, demeaning, offensive, or that a reasonable person would find unwanted or unwelcome. An act of conduct constitutes harassment when 1) it becomes a counterproductive condition of a benefit, education, employment, evaluation, or professional opportunity or 2) the conduct is severe or pervasive enough to create an environment that a reasonable person would consider the conduct to be abusive, hostile, or intimidating.

The Chemical Society of Washington defines sexual harassment as any behavior, comment, gesture, or treatment that is of sexual nature and is obviously unwanted or unwelcome.

Procedures and Actions

In the event that a member or guest of CSW has become a witness to or victim of discrimination and/or harassment, that person is encouraged to record the date, time, location of event, nature of the incident, individuals involved, witnesses, and any additional information that they may deem important.

This information should be reported to local section officials, [1] including any member of the CSW Board of Managers (BOM), or the CSW email contact (CSW@acs.org) who are required to then report violations to all members of the CSW Executive Committee. Members of the CSW BOM are also required to report any observed incidences of discrimination and/or harassment to the Executive Committee. The Executive Committee must then meet to review the discrimination and/or harassment claim within 30 days of notification and communicate with the claimant both the date and location of the review if the claimant and any supporting witness would like to attend. [2, 3] In cases of alleged persistent and/or serious violations of this conduct policy, the executive committee shall review the evidence and shall take such actions as may be deemed appropriate, including but not limited to, requiring volunteers to leave their volunteer position(s); precluding volunteers from serving in CSW volunteer roles in the future; precluding meeting attendees from attending future CSW meetings and sponsored events. CSW reserves the right to pursue additional measures as it may determine are appropriate. The ACS Secretary and General Counsel will be informed of all conduct policy investigations and reserves the right to assume responsibility over an investigation as appropriate. Before being subject to disciplinary action(s), the accused shall be afforded the opportunity to respond to charges and present witnesses in accordance with due process requirements of the Constitution and Bylaws of ACS.

[1] An up to date list of CSW local section officials can be found on the CSW website at <https://capitalchemist.org/officers/>.

[2] If any member of the CSW Executive Committee is involved the conduct claim in any way (victim, accused, or witness) they will be ineligible from being part of the investigation. Thus, a suitable replacement to participate in the investigation will be determined by the remaining eligible members of the Executive Committee.

[3] All reporting and investigations of conduct policy violations will be kept confidential. Any required disclosures of person(s) or details regarding the event, in compliance with CSW or ACS bylaws, will require notification to all affected person(s).

Younger Chemists Committee is hosting Networking Happy Hour on Dec. 4, 2019

WHEN: Wednesday, December 4th - 6:00-9:00 p.m.

WHERE: Provision No. 14: 2100 14th St., NW - Washington, DC 20009

RSVP: yccsw@gmail.com

The Younger Chemists Committee will be hosting a networking happy hour. Come meet your chemistry peers in the DC area, hear about upcoming events, and enjoy some light food and drinks on us! CSW YCC will provide FREE appetizers and 1 drink ticket/person. We've reserved space and refreshments for approximately 40 people, so we'd appreciate it if those attending would RSVP (yccsw@gmail.com) so we can get a headcount. This event is geared towards getting young chemists from the DC area together to meet and discuss our work and collaboration opportunities. We look forward to seeing you there!

CSW Election Results: 2020 Officers, Councilors, and Managers

Officers

President: Darryl Boyd
President-elect: Jennifer Tanir
Immediate Past President: Christopher W. Avery
Secretary: William Hickling
Treasurer: Wesley Farrell

Councilors

2020 - 2022

Darryl Boyd
LaKesha N. Perry
Nevart Tahmazian

2019 - 2021

Allison Aldridge
Kim Morehouse
Bradley A. Scates

2020

Judith Faye Rubinson

2018 - 2020

John Malin
Sara Orski

Alternate Councilors

2020 - 2022

Joseph Antonucci
Christopher Avery
Jason Schaff

2020 - 2021

Richard Goodman

2019 - 2021

Daron Freedberg
Matthew A. Windsor

2018 - 2020

Novella N. Bridges
Monika I. Konaklieva
N. Bhushan Mandava

Managers

2020 - 2021

Regina Cody
Kristy Crews
Leila Duman
Felicia Fullilove
Xiaoyong Lu
Joan Walker

2020

Joseph Duran

2019 - 2020

India James
Corina McClure
Bree Taylor
Emerald Wilson
Alexander G. Zestos

Call for Applications: 2020 Presidential Environmental Youth Award & Presidential Innovation Award

EPA Administrator Andrew Wheeler Calls for Nominations for the 2020 Presidential Environmental Youth Awards and Presidential Innovation Awards for Environmental Educators

Applications due by January 15, 2020

WASHINGTON (Nov. 7, 2019) — Today, U.S. Environmental Protection Agency (EPA) Administrator Andrew Wheeler announced that EPA's Office of Environmental Education is now accepting applications for the 2020 Presidential Environmental Youth Awards (PEYA) and Presidential Innovation Awards for Environmental Educators (PIAEE). Winners will be invited to Washington, D.C. in mid-2020 to be honored by the agency and present their work in a poster session.

"Each year, the Trump Administration proudly administers the prestigious Presidential Environmental Youth Awards and Presidential Innovation Awards for Environmental Educators to recognize outstanding U.S. students and teachers that are dedicated to furthering environmental education in their classrooms and communities," said EPA Administrator Andrew Wheeler. "Those selected demonstrate an unwavering commitment to educating others and raising awareness of environmental issues in order to promote a cleaner, healthier environment for future generations."

"From land restoration efforts and forest management to cleaning up marine debris, it was encouraging to see the commitment that teachers and students have to improving their communities, promoting environmental stewardship, and furthering environmental education at the 2019 awards ceremony," said Council on Environmental Quality Chairman Mary Neumayr. "I encourage students and teachers from across the country to apply for the 2020 awards, and I'm looking forward to assisting Administrator Wheeler as this process moves forward."

BACKGROUND

Established by the 1990 National Environmental Education Act (NEEA), PEYA recognizes outstanding environmental stewardship projects from Kindergarten to 12th grade, by promoting environmental awareness and encouraging community involvement. Also established by the 1990 National Environmental Education Act, PIAEE recognizes outstanding K-12 grade educators who integrate environmental and place-based, experiential learning into school curricula and school facility management across the country. Under NEAA, the White House Council on Environmental Quality assists EPA in administering the PIAEE awards program.

ADDITIONAL INFORMATION ON THE 2020 AWARDS

EPA is seeking 2020 PEYA and PIAEE award applications for projects on a variety of environmental topics, including (but not limited to), projects on:

- reducing food waste and loss and excess food recovery efforts;
- reducing contributions to ocean and marine litter;
- solutions in recycling;
- using science, technology, engineering and math (STEM) to teach environmental education;
- environmental sustainability;
- sustainable agricultural practices; and
- healthy school environments

The Presidential Environmental Youth Awards (PEYA) recognizes outstanding environmental stewardship projects from grades K-12, by promoting environmental awareness and encouraging community involvement. EPA will select up to two winners in each of EPA's 10 Regions – one regional winner for grades K-5, and one regional winner for grades 6-12. Winners of next year's awards will be invited to participate in an

awards ceremony and poster session in Washington, D.C. in mid-2020, and their projects will also be highlighted on EPA's website. All student projects must be sponsored by at least one adult over the age of 21. And, if the sponsor is not a teacher, the project must have a teacher as a co-sponsor. The application and eligibility information are available at: <https://www.epa.gov/education/presidents-environmental-youth-award>.

The Presidential Innovation Award for Environmental Educators (PIAEE) recognizes outstanding teachers for K-12 who employ innovative approaches to environmental education. Up to two teachers from each of EPA's 10 regions, from different states, will be selected to receive this award. Teachers will receive a Presidential plaque and an award of up to \$2,500 to be used to further professional development in environmental education. Winning teachers' local education agencies will also receive awards of up to \$2,500 to fund environmental educational activities and programs. Winners of next year's awards will be invited to participate in an awards ceremony and poster session in Washington, D.C. in mid-2020, and their projects will also be highlighted on EPA's website. The application and eligibility information are available at: <https://www.epa.gov/education/presidential-innovation-award-environmental-educators>.

Applications for both awards programs are due no later than January 15, 2020.

For more information on the youth awards (PEYA), please contact: PEYA@epa.gov

For more information on the teacher (PIAEE) award, please contact: PIAEE@epa.gov.

Judges needed for Blair High School Science Fair - Jan. 9, 2020

The Washington Academy of Sciences is seeking approximately 20 judges for the Senior STEM Magnet science fair at Blair High School in Silver Spring, on the afternoon of January 9, 2020.

This is a fascinating event displaying science projects from many of the brightest students in Montgomery County. Please save the date (Jan. 9, 2020) on your calendars and come to judge science fair projects created by these extraordinary students. Blair High School is located just off the Beltway at Colesville Road (N), in Silver Spring, MD.

Please contact [Paul Arveson](mailto:Paul.Arveson) with your interest and field of study so you can be assigned to a select group of projects, and share this request with other scientists you know.

THANK YOU FOR YOUR HELP!

Paul Arveson
VP, Junior Academy
Washington Academy of Sciences
paularveson@gmail.com

Chemistry Got Spooky in Alexandria

CSW participated in the third annual Spooky Mad Science Expo at the Watergate at Landmark in Alexandria, Virginia. The event combined Halloween and science learning projects. On October 5, CSW volunteers Christina Mainka and Allison Aldridge made polymer worms and gave out glow sticks to the children. The children learned a little about polymers and chemiluminescence along the way. Some of the other volunteers were from the Smithsonian Air and Space Museum, the National Science Foundation, National Society of Black Engineers, RESET, and the U.S. Patent and Trademark Office. The children enjoyed making the worms and wearing the personal protective equipment.



Student Travel Awards Available for ACS National Meetings

The Chemical Society of Washington is pleased to announce a student travel award to defray travel and/or registration costs to the National ACS Spring and Fall meetings. Eligible expenses include meeting registration, travel expenses, airfare and lodging. Applicants should submit the following by Midnight, January 19 (for Spring) or Midnight, June 1 (for Fall) to CSW (CSW@acs.org):

1. A cover letter stating how and why attending this ACS meeting will promote his/her career, including a valid email address and mailing address;
2. The applicant's CV;
3. A letter of recommendation from the student's mentor explaining why the student deserves the award and how this will help their professional development;
4. An accepted abstract with proof of acceptance.

The award is open to students who are graduate and undergraduate students in the jurisdiction of the Chemical Society of Washington. The award is not intended for post-doctoral fellows. There will be a maximum of three awards available for each National meeting. Each award will be for up to \$1000 of eligible expenses based on the review of the above materials.

After returning from the conference, awardees will be asked to draft a short summary of their experiences for posting to the Capital Chemist website and to present their posters, if applicable, at one of the upcoming CSW dinner meetings.

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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.

2019 Officers

President

Christopher Avery

President-elect

Darryl A. Boyd

Past President

Allison Aldridge

Secretary

LaKesha N. Perry

Treasurer

Wesley Farrell

Connect with us on Facebook at www.facebook.com/ACSCSW.

CSW Calendar of Events

December 4: YCC Happy Hour

December 14: CSW/RCG Joint Meeting

January 9: Blair High School Science Fair

January 19: Deadline for Student Travel Awards