ECHEMIST

Website Update

Volume 81 No. 12 - December 2020

2020 ACS Puget Sound Section Elections VOTE!



The Puget Sound Chemist

Newsletter of the Puget Sound Section of the American Chemical Society

FROM THE EDITOR



December 2020

THE PUGET SOUND CHEMIST

Newsletter of the Puget Sound Section of the American Chemical Society

American Chemical Society Website

https://www.acs.org

Puget Sound Section Website

https://www.acs.org/pugetsound

Send us a Message:

Contact Us Form

After some delays, the ballot has been sent out to all eligible voters for the 2020 elections for ACS Puget Sound Section Executive Committee positions that are up for election this year. The election ends on December 14, 2020. Note: For those few who received paper ballots, they should be returned so as to be received by the ACS PSS Secretary no later than the end of the day on December 13, 2020. Please vote!

Voting is one of the ways that you have of being involved in the decision making about how we spend the funds that we receive from you, the membership. A far more effective way is to become a volunteer yourself to get involved directly, but you can also inform us about the type of programming you want by sending us messages through the <u>Contact Us form</u>.

ACS National is in the process of moving the ACS Network onto a new platform. The ACS Puget Sound Section website is currently hosted on the ACS Network at (<u>https://communities.acs.org/</u> <u>community/society/component-websites/puget-sound-local-</u> <u>section</u>). With the change to a new platform, there will be a new website URL which will be announced in due course. The shortcut URL (<u>https://www.acs.org/pugetsound</u>) is expected to remain the same. Once the new site is established, the shortcut URL will be set to redirect to the new location.



onathan Clark

Newsletter Editor

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CALENDAR OF EVENTS



DEC 14	Time:	ve Committee Meeting 7:00pm Virtual Video Conference Only		
DEC 3	WCC W Time: Location:			
DEC	Book Club			
8	Time: Location:	7:00pm Virtual Event (See page 9 for details)		
APR 5	APR 16	261st ACS National Meeting - Spring 2021 Theme: Macromolecular Chemistry: The Second Century Location: Virtual Only		
AUG	AUG	262 nd ACS National Meeting - Fall 2021		
22	26	Theme: Resilience of Chemistry Location: Atlanta, Georgia		

The date for the Spring National meeting has changed.



ACS PSS Executive Committee Elections

2020 Puget Sound Section Executive Committee Elections

Ballots were sent out recently. The election ends on Monday, December 14, 2020. Paper ballots, for the few who received paper ballots, should be returned so as to be received by the ACS PSS Secretary no later than the end of the day on December 13, 2020 and electronic ballots are to be cast no later than 6pm on Dec 14, 2020. Please vote!

Nominations and Elections Timeline

Call for nominations	May 1 – August 31, 2020
Voting (mail)	Friday, November 20 - Sunday, December 13, 2020
Voting (electronic)	Monday, November 23 - Monday, December 14, 2020
Election Validated	Week of Dec 14, 2020 (Exact date TBD)

Nominating Committee

Leonard J. Andrews, Nominating Committee Chair Gary Christian John Macklin David Munch Carole Berg

Comments or questions?

Send your comments and/or submit any questions using this form: <u>ACS PSS Election Nominations and Comments Form</u>

Safety Committee

December 2020

Chair: Natalie Merrill, ACS Fifth Alternate Councilor and Chair-Elect

namerrill@gmail.com

This 2020 school year in Fall, we had over ten Washington colleges and universities reopen their chemistry labs for academic instruction. New safety guidelines with restrictions and precautions to avoid the spread of COVID-19 govern these reopenings. See the link in the footnote for Phase I and II Higher Education Restart COVID-19 Requirements. Our Washington State Lab Techs stay in touch on a listserv and held three ZOOM meetings to allow the lab tech managers to confer among each other. Our National ACS also offers supportive information for college and university labs, at https://www.acs.org/content/acs/en/chemical-safety.html

For further information and Safety Resources for Chemical and Laboratory Safety, please follow this link:

https://www.acs.org/content/acs/en/chemical-safety/resources.html

Our Puget Sound Safety Committee is modeled after our National ACS Committee on Chemical Safety, to promote safety through education and best practices in academia and industry

We tailor the activities of our Puget Sound Safety Committee to the needs of our members, so please don't hesitate to reach out with your input or needs, by emailing the chair at the contact email(s) given above. Wishing everyone a safe month!

Natalie Merrill

ACS Puget Sound Section Safety Committee - since 2018

Safety is everybody's business: Be safe. Be informed.

¹ Stay Home-Stay Healthy Proclamation 20-25, and in accordance with the Washington State Department of Labor & Industries General Coronavirus Prevention Under Stay Home-Stay Health Order (DOSH Directive 1.70: <u>http://www.lni.wa.gov/safety-health/safety-rules/enforcement-policies/dd170.pdf</u>) and the Washington State Department of Health Workplace and Employer Resources & Recommendations: http://www.doh.wa.gov/Coronavirus/workplace

Sustainability Committee

December 2020

The Call for Abstracts for the 25th Annual Green Chemistry & Engineering Conference will open on January 4, 2021. To learn more go to this page and follow links there:

https://www.acs.org/content/acs/en/greenchemistry.html

At the bottom of the page you can sign up for our Nexus Newsletter of the ACS Green Chemistry Institute, which may pique your interest.

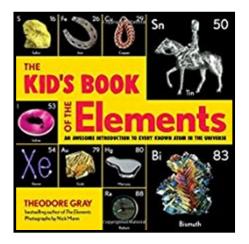
Please see ACS.org Sustainability stories about "taking care of the planet while taking care of business," at <u>https://www.acs.org/content/acs/en/industry/industry-matters/seeking-sustainability.html</u> At the bottom of the page there is a link for you to enroll to receive the ACS Industry Matters updates, if you like. ACS is committed to supporting our members and working with partners to address global sustainability challenges. Bring opportunities to the attention of your local section Sustainability committee. Read more about Chemistry and Sustainability here: <u>https://www.acs.org/content/acs/en/sustainability.html</u>

In recent efforts of our Sustainability committee, Theodore Grey's new book for children published in late October and was finally sent to our youngest winner of our sections' 2020 Illustrated Poetry Contest. (other winners and participants received a copy of the Elements by Theodore Grey). The much-awaited new book went to Saanvi Swargam 1st Grade; Winner, Grades Kindergarten through 2nd.

Here's another look at her winning poem, below, and a picture of the newly published book (The Kid's Book of the Elements: An Awesome Introduction to Every Known Atom in the Universe by Theodore Gray).

Polar Bear home Po melting, artic is warming, ic cape are meltings Slowly Pokur Boar will Become missing, Our Blauthful Planet Parth Po So fan happe Reduces Reuses Relycle every one engage in Planet healings H) HE paial bear will not have melving place

Chair: Natalie Merrill, Sustainability Committee, ACS PSS



Four Washington State ACS Sections Honor Local National Award Winners

By: Despina Strong, Chair, WCC, ACS Puget Sound Section

SAVE THE DATE: On Thursday, December 3rd, 2020, at 6:30 p.m. (Pacific time), the Puget Sound Section (PSS) Women Chemists Committee (WCC) in collaboration with the three other ACS sections from Washington State, will host a one-hour webinar via ZOOM. The webinar will feature three female chemists from our state who are recipients of National Awards. They will talk about their career paths and share insights. Please mark your calendars. Use this link to register: <u>https://us02web.zoom.us/webinar/register/WN_EtjH_c6YSNGP5ejFvxjBfQ</u>

The American Chemical Society (ACS) administers an Awards Program intended to encourage the advancement of chemistry, support research, and highlight careers of chemists. The Priestley Medal is the highest honor granted by the American Chemical Society (ACS). It is awarded for distinguished service in the field of chemistry. There are forty-eight (48) different technical awards and multiple awards for service and other targeted awards. To learn more about the ACS awards follow the link to ACS's Awards Program: https://www.acs.org/content/ acs/en/funding-and-awards/awards/national.html

The National WCC (https://acswcc.org/), has been monitoring national awards for several years. WCC has made a strong effort to highlight disparities between men and women winning awards. WCC wants to see more nominations of women in all categories but is especially interested in nominations for technical awards.

The stats are clear! Women make about 51% of industrial chemists yet only 4% of nominations from industry are for women. Women earn about 25% of all PhDs and make up about 23% of ACS membership, yet less than 15% of the nominees for national awards are women. About 50% of the awards have one or no female nominee. As of 2016, of the 48 technical awards, eighteen (18) had never been won by a woman. Since 2016, gains in women winning national awards has reduced that number to eight (8). Call for action has come from the highest level of the Society including the Board of Directors, WCC and others.

ACS recognizes all National Award winners during the Spring National meeting with a banquet and awards ceremony. The Puget Sound Section WCC began planning a recognition of national award winners at the regional (NORM) and local level in 2020. In collaboration with the Idaho -Washington Boarder, Inland NW, and Richland Local Sections, PSS WCC is delighted to invite all chemists in Washington to celebrate the careers of three outstanding female chemists from our state who have been recognized at the highest level for their research work and leadership and /or for their service to the Society. See flyer on next page.

[continued on next page...]

Webinar to Honor National Award Winners from Washington State [continued]

December 3, 2020 | 6:30pm-7:30pm (PST)

Webinar to Honor National Award Winners from Washington State

Hosted by the ACS Puget Sound Section and its local Women Chemists Committee in collaboration with all Washington State Local Sections <u>Register here</u>.

Thursday, December 3rd, 2020 • 6:30 pm - 7:30 pm (PST)



Brandi Cossairt is a Professor in the Department of Chemistry at the University of Washington. Her research group examines the nucleation, growth, surface chemistry, and reactivity of nanoscale materials to enable next-generation technologies in the diverse areas of displays, lighting, catalysis, quantum information, and hybrid matter. Outside of the lab Brandi is an Associate Editor at the ACS journal Inorganic Chemistry and is the co-founder of the Chemistry Women Mentorship Network (ChemWMN).

Brandi is the recipient of the 2019 National Fresenius Award, sponsored by Phi Lambda Upsilon.



Janet Bryant is a now-retired Research Scientist/Engineer IV and long-time project manager at the Pacific Northwest National Laboratory, where she has been innovating for nearly 40 years. She currently uses her knowledge of human capital and organizational development to help deliver content of interest on the business of chemistry. Janet chaired the (ACS) Chemical Innovation and Entrepreneurship Council (CIEC) and the ACS Northwest Region. She is very involved in Technical Division Management and Programming.

Janet is the recipient of the 2020 ACS Award for Volunteer Service to the American Chemical Society, sponsored by the ACS.



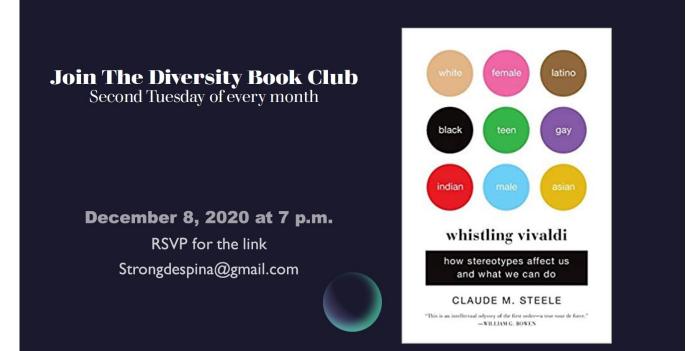
Sue Clark is the Chief Science and Technology Officer and a Battelle Fellow in the Energy and Environment Directorate at Pacific Northwest National Laboratory. She is an internationally renowned environmental radiochemist with a research focus on actinides in the environment, the chemistry of high-level radioactive waste systems, and radioanalytical chemistry. Sue is Director of the Interfacial Dynamics in Radioactive Environments and Materials (IDREAM) Energy Frontier Research Center. Sue holds a joint appointment at Washington State University, where she is a Regents Distinguished Professor of Chemistry.

Sue is the recipient of the 2020 Glenn T. Seaborg Award for Nuclear Chemistry, sponsored by the ACS Division of Nuclear Chemistry & Technology.

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The Diversity Book Club

December 8, 2020 | 7:00pm



ACS Chemistry Olympiad

Annual, Multi-tiered Competition for High School Students

The U.S. Chemistry Olympiad (USNCO) is an annual, multi-tiered competition for high school students. The Puget Sound Section proctors the Local Examination in March followed by the National Examination in April. Winners of the National Examination move on to compete at the international level in the International Chemistry Olympiad (IChO) in July.

The Local Examination is used to select the finalists that will move on to the national level of the Chemistry Olympiad (i.e the National Examination). For 2020, the Puget Sound Section of the ACS was allowed a maximum of 13 finalists to move on to the national level. There is a limit of 2 finalists per school.



Please contact Dr. Clarita Bhat (cbhat@shoreline.edu) with any questions.

More information about the local and national exams can be found at:

https://www.acs.org/content/acs/en/education/students/highschool/olympiad.html

SCIENCE CAFÉS

Science Cafés

Grassroots Speaker Events Open to the Public

Science Cafés are gatherings open to the public held in pubs, restaurants, or bookstores where non-scientists can meet and talk with scientists about the latest issues in an informal atmosphere. There is no central organization for these grassroots Science Cafes which reflect their focus on local communities. You can learn more at: <u>http://www.sciencecafes.org/</u>

Science in the City

Lectures by the Pacific Science Center

The Pacific Science Center organizes an excellent Science Lecture series. The lectures are free and open to the public. They are held at the Pacific Science Center in Seattle, WA.

Pacific Science Center Lectures Webpage

Science on Tap

Seattle Science Café

Science on Tap events are free and open to the public.



Olympia Science Café

Science Café in Lacey, WA

Puget Sound Section | Awards and Scholarships

The ACS PSS Education Committee offers the following awards and scholarships:

The \$1500 College Student Scholarship application forms have been updated and are linked below. Application forms for the other awards/grants will be available on the <u>website</u>. Please <u>send us a message</u> or email Jennie Mayer (Education Committee Chair; <u>jennie.mayer@bellevuecollege.edu</u>) with any questions.

K-12 Educator Grants, up to \$500.

Grant applications are accepted at any time during the year. Click on the application link for details. Application Form: (Word) (PDF) Applications are accepted until funds are spent.

2-year College Student Scholarships (William J Wasserman Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details. Application Form: (<u>Word</u>) (<u>PDF</u>) **Application Deadline:** March 1st, 2020 (<u>Puget Sound Section Colleges List</u>)

4-year College Student Scholarships (Julia Ann Rutherford Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details. Application Form: (Word) (PDF) Application Deadline: March 1st, 2020 (Puget Sound Section Colleges List)

High School Teacher of the Year Award, \$250 plus \$750 for Chemistry Lab Supplies.

The Section accepts nominations from January 1 - April 30 each year and selects one teacher for this award. Nomination Form: (Word) (PDF) **Application deadline:** April 30th, 2020

ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$500.

A request must be submitted to the Executive Committee with details well in advance of the need. Funding is limited and may be granted on a first come first served basis. Application Form: (Word) Applications are accepted until funds are spent.

The committee welcomes new members! Please <u>contact us</u> if you are interested in joining.

Our current committee members are: Leonard Andrews, Sailaja Arungundram, Clarita Bhat, Gwen Gross, Jennie Mayer (Chair), David Munch, Despina Strong, Alicia Taylor, Lauren Wugalter, Amar Yahiaoui and Kirby Zornes For more details and applications, visit our webpage:

Scholarships, Grants and Awards Webpage

SCHOLARSHIPS, GRANTS & AWARDS

Heros in Chemistry Award

National American Chemical Society Award

<u>Heroes of Chemistry</u> is an annual award sponsored by the American Chemical Society that recognizes talented industrial chemical scientists whose work has led to the development of successful commercialized products ingrained with chemistry for the benefit of humankind.



The nomination period for the 2021 Heroes of Chemistry Award open November 1st, 2020 and close February 1st, 2021.

For more information on the application process, please visit the <u>Nominations Procedures</u> page. You can also email chemhero@acs.org.

ACS-HACH Professional Development Grants

Professional Development Grants for High School Teachers

The application period for the <u>ACS-Hach Professional Development Grant</u> is currently open. With this grant, high school chemistry teachers can request up to \$1,500 to pursue opportunities that advance their professional development and enhance the teaching and learning of chemistry. Applications are accepted between October 15th-January 4th annually.



National Women Chemists Committee Awards

Awards for Women Chemists

WCC Awards Page



2020 Linus Pauling Medal Award Recipient

Professor Paul Chirik of Princeton University

Professor Paul Chirik of Princeton University has been selected as the <u>2020 recipient of the Linus Pauling Medal</u> <u>Award</u> for his work on catalysis with Earth-abundant elements and his impact on sustainable chemistry. The symposium where the medal will be presented is typically held in the fall (details TBD).

2020 Pauling Award Learn More



YCC Monthly Meetings

December 2020

The YCC advocates for and provides resources to early-career chemists and professionals in the chemical sciences and related fields. If you may not be an 'early-career professional', the YCC still welcomes you to help ignite the curiosity and success of young minds.

We would love to have you join us every month and learn how you can get involved with your local ACS section! Anybody is welcome to attend these meetings so please feel free to invite your friends/colleagues.

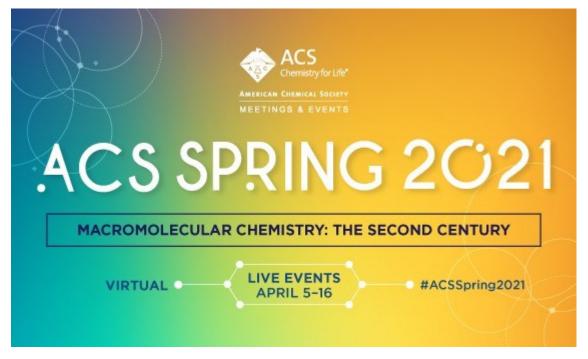


MARK YOUR CALENDAR

261st ACS National Meeting | Spring 2021

Date Change: April 5th- 16th, 2021 | Virtual Only

Theme: Macromolecular Chemistry: The Second Century



Pacifichem 2021: A Creative Vision for the Future

December 16th-21st, 2021 | Honolulu, Hawaii

Pacifichem is a conference that is organized by seven host societies, including the American Chemical Society. Read <u>an article on the rescheduling of this event</u> from 2020 to 2021. Learn more on the Pacifichem website: <u>https://pacifichem.org/</u>

MARK YOUR CALENDAR

DIR ZOOM Webinar

January 14, 2021 | 7:00-8:00pm

"Linkedin As a Tool in promoting Diversity Inclusion and Respect" in career growth Coach Ron Nash

And a video of Coach Ron Nash -

https://www.youtube.com/watch?v=N4WS8 --4mg

This session is for people new to Linked In as well as those who have used it in the past.

Zoom registration:

https://us02web.zoom.us/webinar/register/WN_gjVpePPbRqmHmBRWhmhd-Qi

CAREER RESOURCES

ACS Career Resources

Powerful Career Advancement Tools

Many opportunities and career resources are available on the ACS website for ACS members! Check them out!



ACS Puget Sound Section Career Event

Annual Event Focused on Chemistry Careers

The Puget Sound Section hosts a Career Event each year (usually held in February) at a local business or governmental facility. These events present great opportunities to see the scope of the activities of the hosting organizations. The event is recommended for all undergraduate science students. Admission is free. The event

is open to all, however, space is usually limited and registration is required. Keep an eye on our Event Calendar for details regarding the next event.



ACS Puget Sound Event Calendar

Internships

Opportunities for Gaining Job Experience

King County Internships

Washington Conservation Corps

Ecology Youth Corps

CAREER RESOURCES

Example Job Position Title

Job Posting Key

Company or Organization Name | City, State | ACS PSS Posting Date: mm/dd/yyyy

Short description of the job position.

The company or organization's name will include a hyperlink to their website. The job position title will include a hyperlink to any pertinent web posting for the position, if available.

Adjunct Chemistry Instructor

Willamette University | Salem, Oregon | ACS PSS Posting Date: 09/27/2020

Willamette University is hiring an adjunct instructor to teach General Chemistry II (CHEM 116) lecture and lab for the spring 2021 semester. The lab will be taught in person on our campus; the lecture will be taught with a combination of in-person classes on campus and remote classes via Zoom. To learn about our department, visit our web site at https://willamette.edu/arts-sciences/chem/.

Willamette University believes that a diverse, inclusive community is essential to achieving academic excellence; accordingly, we seek candidates who not only have the potential to be outstanding teachers and scholars, but also whose work furthers equity and inclusion, and who will bring to campus varied experiences, perspectives, and backgrounds.

To apply, please send (1) a cover letter describing your interest in the position, (2) a copy of your CV, and (3) the names and contact information for three professional references to Dr. Alison Fisher, Chemistry Department Chair (<u>ajfisher@willamette.edu</u>). Review of applications will begin October 23, 2020.

Assistant Professor of Chemistry

Pacific Lutheran University | Tacoma, WA | ACS PSS Posting Date: 09/11/2020

The Chemistry Department at Pacific Lutheran University (PLU) seeks to hire a tenure-track Assistant Professor to teach both upper- and lower- division courses, including analytical chemistry. We prefer candidates that have skills using and troubleshooting instrumentation and that have either post-doctoral research experience or experience conducting research with undergraduates. The successful applicant will be expected to develop a vibrant research program with external funding involving undergraduate students. Additional responsibilities will include mentoring and advising as well as service on academic committees. The department (http://www.plu.edu/chemistry/) offers ACS-certified degrees. Instrumentation and resources include 500 MHz FT-NMR, AFM, GC/MS, HPLC, FTIR, Raman, UV/VIS, ICP-MS, GPC, a glovebox, potentiostats, and a variety of computational chemistry software.

MEMBER BENEFITS

Join ACS!

Benefits and Resources Available to You <u>Membership Categories and Dues/Application Process</u> <u>Member Benefits</u> <u>ACS National Strategic Plan</u> <u>List of ACS Member Benefits and Resources</u> <u>About the Puget Sound Section</u>

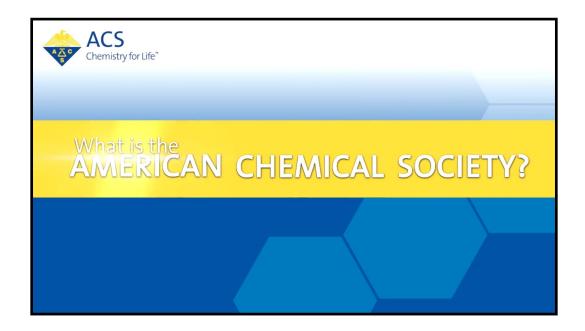


What is the American Chemical Society?

The American Chemical Society (ACS) was founded in 1876

"With more than 150,000 members, the American Chemical Society (ACS) is the world's largest scientific society and one of the world's leading sources of authoritative scientific information. "

Watch a video about the American Chemical Society here. Read about the history of ACS here.



MEMBER BENEFITS

ACS Resources

Helpful Services and Resources

ACS Publications ACS Webinars C&EN Webinars ACS Science Podcasts ACS Science Podcasts ACS Network ACS National and Regional Meetings Public Policy Fellowships Project Seed National Chemistry Olympiads Scholars Program SCI Scholars Internships ACS Student Affiliate Chapters (Chem Clubs) Sustainability Resources The Yellowbook

ACS Webinars

Webinars on Chemistry Themed Topics

Hundreds of webinars presented by subject matter experts in the chemical enterprise. LIVE every weekday at 2pm ET!



MEMBER BENEFITS

Like Our Facebook Page!

Keep connected with your local section through social media!

We post about upcoming social events that you can attend, local section meetings and other info.

https://www.facebook.com/AmericanChemicalSocietyPugetSoundSection



The Puget Sound Section Website

Find Information about ACS, Events, and other Resources



**Stay tuned for an update to the URL for the website. The full URL will likely change soon, though the shortcut URL should still work.

The full URL for the website is:

https://communities.acs.org/community/society/component-websites/puget-sound-local-section

There is a shortcut URL:

https://www.acs.org/pugetsound

EXECUTIVE COMMITTEE ROSTER

Position	Election Year	Name
Chair	N/A	Jennifer Marsalla
Interim Chair-Elect	N/A	Natalie Merrill
Past Chair	N/A	Leonard J. Andrews
Secretary	Annually	Michael Meechan
Treasurer	Annually	Sheri Tonn
Newsletter Editor	N/A	Jonathan Clark
Councilor Position 1	2020	David Patrick
Alternate Councilor Position 1	2020	Gwen Gross
Councilor Position 2	2021	Gary Christian
Alternate Councilor Position 2	2021	John Macklin
Councilor Position 3	2022	Craig Fryhle
Alternate Councilor Position 3	2022	Carole Berg
Councilor Position 4	2020	Dharshi Bopegedera
Alternate Councilor Position 4	2020	Charity Lovitt
Councilor Position 5	2021	Despina Strong
Alternate Councilor Position 5	2021	Natalie Merrill

Contact Form

Contact Us Form

OTHER OUTSTANDING VOLUNTEERS

Position	Name			
Awards Committee* Chair	Vacant			
Career Event Committee Chair	Dharshi Bopegedera			
Chemistry Olympiad (UNSCO) Coordinator	Clarita Bhat			
Communications Committee Chair	Jonathan Clark			
Earth Day Committee Chair	Karen Goodwin			
Education Committee* Chair	Jennie Mayer			
Employment Committee* Chair	Vacant			
Finance Committee* Chair	David Munch			
Hospitality Committee* Chair	Carole Berg			
Pauling Medal Symposium Committee Chair	ТВА			
Long-Range Planning Committee* Chair	David Munch			
Membership Committee* Chair	Vacant			
National Chemistry Week Committee Chair	Vacant			
Nominating Committee Chair	Leonard J. Andrews			
Professional Relations & Status	Vacant			
Committee* Chair				
Program Committee* Chair	Natalie Merrill			
Public Affairs Committee* Chair	Vacant			
Public Relations Committee* Chair	Craig Fryhle			
Regional Activities Committee* Chair	Vacant			
Safety Committee Chair	Natalie Merrill			
Senior Chemists Committee Chair	Despina Strong			
Sustainability Committee Chair	Natalie Merrill			
Undergraduate Research Symposium	Neal Yakelis			
Committee Chair				
Webmaster	Jonathan Clark			
Women Chemists Committee Chair	Despina Strong			
Younger Chemists Committee Chair	Michael Meechan			
*Standing Committee (per the bylaws)				

