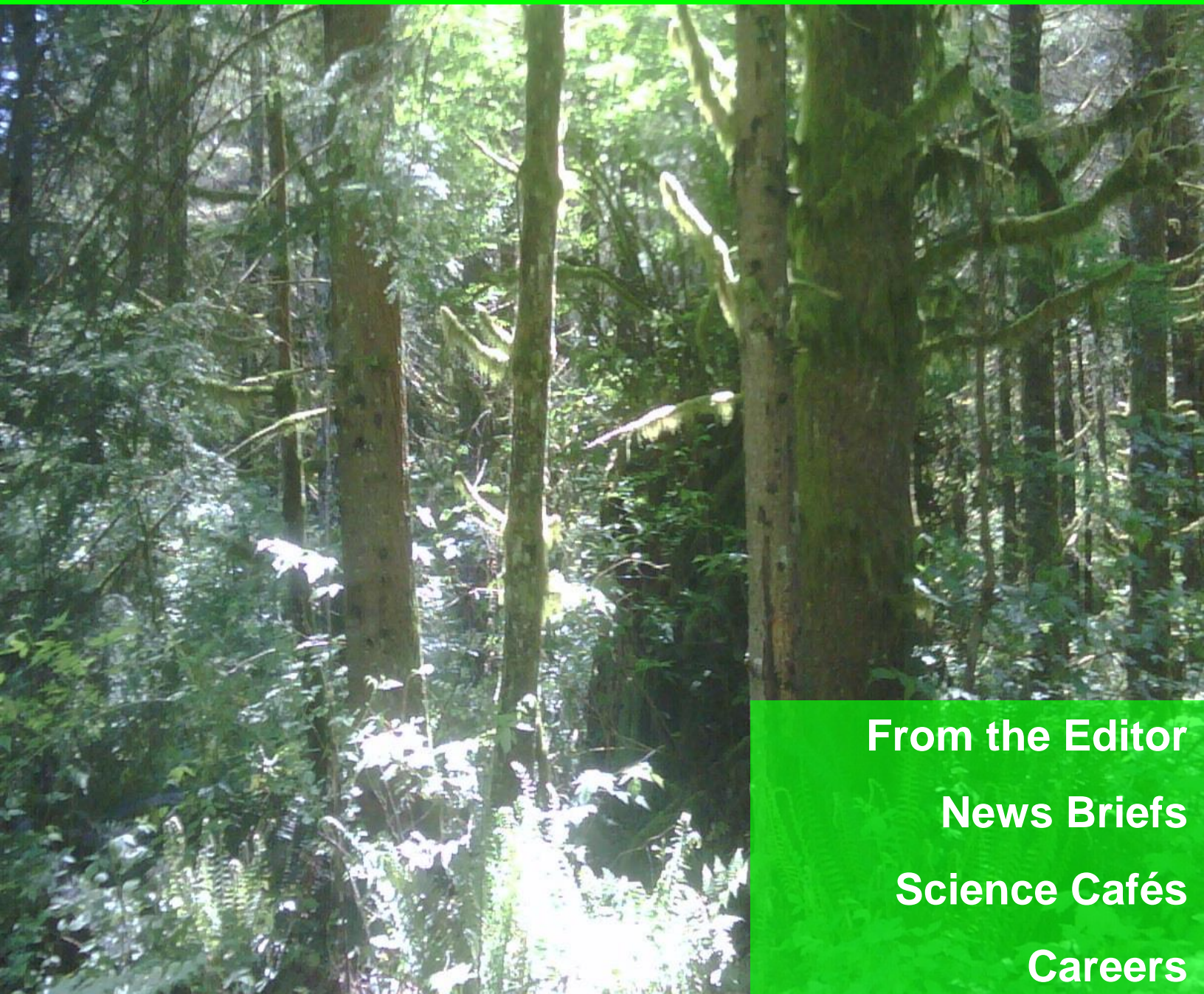


# THE CHEMIST

A 'Spring Break' In Your Step

*The Puget Sound Chemist*

Volume 75 No. 3 - March 2014



From the Editor

News Briefs

Science Cafés

Careers



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Newsletter of the Puget Sound Section  
of the American Chemical Society



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# From the Editor

## THE PUGET SOUND CHEMIST

Newsletter of the  
Puget Sound Section  
of the  
American Chemical Society

American Chemical Society  
Website

<http://acs.org>

Puget Sound Section Website

<http://pugetsound.sites.acs.org>

Please address all email  
correspondence to:

[ACSPugetSound@gmail.com](mailto:ACSPugetSound@gmail.com)

### *Spring Break Is Just Around The Corner!*

March holds a few events to look forwards to. Students eagerly look forwards to spring break which happens in late March at many academic institutions. It is a time for relaxing after an inspiringly tough winter quarter for many. It also offers the possibility of travel for some of the sun-seekers who have tired of our cloudy Puget Sound region. There are Science Cafés to attend in March. An excellent day to discuss certain chemical reactions is St Patrick's Day. Reactions of interest include ethanol fermentation under anaerobic conditions, among others. The Spring 2014 ACS National Meeting happens March 16-20, 2014 in Dallas, TX. It is themed: Chemistry and Materials for Energy.

The newsletter continues to grow! Check out the internships posted in the Careers section. The roster of the local section volunteers has been updated to represent more of the committees and people that actively participate. A couple new links have been added to the ACS Resources section.

Looking back, the Career Day last month was a busy and fun event. See the full report in the News Briefs section. Looking forwards, the Northwest Regional Meeting and the Undergraduate Research Symposium are appearing on the horizon.

Cheers!



*Jonathan Clark*

Jonathan Clark  
Editor of the Newsletter

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# News Briefs

## 247<sup>th</sup> American Chemical Society National Meeting

Dates: March 16th - 20th, 2014

Theme: Chemistry and Materials for Energy

Location: Dallas, Texas

Check out all the details and register at:

<http://www.acs.org/content/acs/en/meetings/spring-2014.html>

**REGISTER ONLINE**

## Mark Your Calendar! - 2014 Northwest Regional Meeting (NORM '14)

The NORM 2014 will be hosted by the Montana Section of the American Chemical Society in Missoula, Montana from June 22<sup>nd</sup> to June 25<sup>th</sup> 2014 (Sunday-Wednesday).

Keep your eye on the website for more information:

<http://norm2014.sites.acs.org/>

## Mark Your Calendar! - ACS Puget Sound Undergraduate Research Symposium 2014

The 2014 ACS Puget Sound Section Undergraduate Research Symposium will be hosted by Western Washington University (WWU).

Date: Saturday, May 3<sup>rd</sup>, 2014

Location: Western Washington University, Bellingham, WA

Abstracts and registration are due April 11<sup>th</sup>, 2014

All of the relevant info and registration materials are on the website:

<http://pugetsound.sites.acs.org/undergradresearchsymp.htm>

## Mark Your Calendar! - Canadian Society for Chemistry's Annual National Conference

Here is an opportunity to meet with Canadian chemists and big name international chemists.

Dates: June 1<sup>st</sup>-5<sup>th</sup>, 2014

Location: Vancouver, BC, Canada

Theme: Chemistry from Sea to Sky

Website: [www.csc2014.ca](http://www.csc2014.ca)

## Call for Nominations: 2014 Linus Pauling Medal Award

The closing date for nominations is March 15<sup>th</sup>, 2014.

[http://www.chem.wvu.edu/dept/pauling/Pauling2014\\_nominations.htm](http://www.chem.wvu.edu/dept/pauling/Pauling2014_nominations.htm)

# News Briefs

## Career Event of the Puget Sound Section (2014)

Reported by: Dr. Dharshi Bopegedera

The Tenth Annual Career Event, organized by the Puget Sound Section of the ACS for the benefit of undergraduate chemistry students in our section, was held on February 12<sup>th</sup>, 2014 at the Center for Urban Waters Research Lab in Tacoma. Seventy five undergraduates, faculty, and industrial chemists participated in this year's event. Students from a broad range of colleges, community colleges, and universities (The Evergreen State College, Saint Martin University, Bellevue College, Clover Park Technical College, Pacific Lutheran University to name a few) also attended.

-

Professor Joel Baker (Director, UW Puget Sound Institute Professor and Port of Tacoma Chair in Environmental Science, UW-Tacoma) gave the informative and inspirational keynote address on "Applying Chemical Principles to Address Environmental Problems" and answered questions from an enthusiastic group of students. Students were divided into small groups for lab tours, providing them with opportunities to interact closely with the lab scientists at the Urban Waters Research Lab. We are grateful for the many opportunities the lab provided for our students to interact with their scientists.

The panel discussion that followed the lab tour was the highlight of the event. The panelists included: Karen Bartlett (Professional Engineer), Yelena Brusser, (Lab Scientist in Environmental Services), Chris Burke (Field and Laboratory Chemist), Brian Hite (Research Assistant, University of Washington ), Kristin Lynett, (Sustainability Manager), Dr. Justin P. Miller-Schulze (Analytical Chemist, University of Washington Tacoma), Jim Parvey (Environmental Civil Engineer). This seven member panel shared with students their many career paths and how their education and training enabled them to pursue their career goals. Students posed many questions for these panelists. They were somewhat surprised to learn that the answer to the question "what course when you took in school you thought was useless but is useful now?" was "a history class"!

Students mingled together over cookies and juice and were delighted with the raffle items provided for this year's event courtesy of the Merck Corporation, The Puget Sound Section of the ACS, Cengage Learning, and a few gifts from private donors. In gratitude to 25 volunteers (!) the Puget Sound Section provided simple gifts of chocolates and thank you notes.

We conducted an evaluation of this event at the end of the day and an overwhelming majority of the participants rated this as one of the most valuable events that helped them explore career options in the sciences. In the words of one student "I was totally blown away: I did not know there were so many new instruments and so many ways in which I could potentially use my chemistry knowledge when I graduate!"

We are especially grateful to Stuart Magoon (Assistant Division Manager, City of Tacoma Environmental Services, Science and Engineering Division) for his tireless effort in hosting this event at the Center for Urban Waters Research Lab in Tacoma.

# News Briefs

The agenda for the Career Event was as follows:

1 PM	Welcome! – <b>Dr. Dharshi Bopegedera</b> (ACS Puget Sound Section), Stuart Magoon, Assistant Division Manager, City of Tacoma Environmental Services, Science and Engineering Division
1:15-2:15 PM	Tour of labs & CUW hosts gather groups and disperse to starting rooms.
2:25-3:25 PM	Key note address by <b>Professor Joel Baker</b> , Director, UW Puget Sound Institute Professor and Port of Tacoma Chair in Environmental Science, UW-Tacoma <b>"Applying Chemical Principles to Address Environmental Problems"</b>
3:25-3:40 PM	Cookies and Juice break
3:45-4:45 PM	Panel Discussion: Exposing/Exploring the influences/impacts of chemistry on career choices
4:45 PM	Raffle and Closing Remarks by Dr. Despina Strong (ACS Puget Sound Section Chair)

## Report: Dr. Kenneth L. Nash's Talks

Dr. Kenneth L. Nash from the Department of Chemistry, Washington State University gave two talks on "How Will We Power the Future? The case for more nuclear energy" on February 10th, 2014. One was at Bellevue College, Bellevue, WA and the second was at Saint Martin's University, Lacey, WA. Both events were highly successful with 87 attendees at Bellevue College and 53 attendees at Saint Martin's University!

## Report: ACS Puget Sound YCC visits Greenwood Elementary for a Science Fair

The Science Fair was held from 6:00pm-8:00pm in the gymnasium on 27 February 2014. Students presented their projects and a few outside entities, such as the ACS Puget Sound Younger Chemists Committee (YCC), hosted demonstrations and hands-on activities for the kids. Though not a large event from the YCC's perspective, the science fair did draw around 400 attendees. The YCC brought some simple demonstrations on the topic of cell membranes.

# Calendar – March 2014

**Calendar of Events** - <http://pugetsound.sites.acs.org/apps/calendar/>

## **4 March 2014 - Queen Anne Science Café**

Time: 7:30 pm

Location: T.S. McHugh's - 21 Mercer Street, Seattle, WA 98109

## **10 March 2014 - Executive Committee Meeting**

Time: 7:00pm – 8:00pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103

Room 2428C - South end of the 2<sup>nd</sup> floor of the Instruction Building (IB)

Campus Map: <https://northseattle.edu/locator>

## **10 March 2014 - Eastside Science Café**

Time: 7:00pm

Location: Wilde Rover - 111 Central Way, Kirkland, WA 98033

## **11 March 2014 - Olympia Science Café**

Time: 7:00pm

Location: Orca Books - 509 East 4th Avenue, Olympia, WA 98501

## **11 March 2014 - Tacoma Science Café**

Time: 6:30pm

Location: The Swiss Restaurant & Pub - 1904 Jefferson Avenue, Tacoma, WA 98402

## **March 16<sup>th</sup> - 20<sup>th</sup>, 2014 – 247<sup>th</sup> American Chemical Society National Meeting**

Theme: Chemistry and Materials for Energy

Location: Dallas, Texas

## **19 March 2014 - Association of Women in Science (AWIS) Meeting**

Time: 6:00pm

Location: The Fred Hutchinson Cancer Research Center - 1100 Fairview Ave. N., Seattle, WA 98109

Pelton Auditorium in the Weintraub Building

Campus Map: <http://www.fhcrc.org/en/contact-us/visit-us.html>

# Science Cafés

These Science Cafés are free and are open to all ages.

## Queen Anne Science Café

### "The Science of Dark Chocolate"

**Tuesday, 4 March, 2014 - 7:30 p.m. - T.S. McHugh's**

With Andy McShea, Ph.D., Theo's Chocolate.

T.S. McHugh's is located at 21 Mercer Street, Seattle, WA 98109.

[www.tsmchughs.com](http://www.tsmchughs.com)

## Olympia Science Café

### "Mercury cycling at the Earth's surface: Working to distinguish between natural and anthropogenic sources"

**Tuesday, 11 March, 2014 - 7:00 p.m. – Orca Books**

Mercury (Hg) is a globally distributed toxic metal that is ubiquitous in the environment. Atmospheric mercury that is deposited to terrestrial and aquatic ecosystems can be converted to methylmercury, which is a potent neurotoxin that is bioaccumulated in food webs. Importantly, anthropogenic activities have increased the amount of mercury actively cycling at the Earth's surface by approximately 3-fold, stimulating interest in this pollutant. Recent analytical advancements have allowed the use of mercury isotopic compositions to distinguish between specific natural and anthropogenic sources and offer an important tool to improve our understanding of global mercury cycling. Our speaker this month is Dr. Abir Biswas, Professor of Geology/Chemistry at The Evergreen State College.

Orca Books is located at 509 East 4th Avenue, Olympia, WA 98501.

[www.orcabooks.com](http://www.orcabooks.com)



# Science Cafés

These Science Cafés are free and are open to all ages.

## Tacoma Science Café

### "Urban Watersheds in the Puget Sound Region"

**Tuesday, 11 March, 2014 - 6:30 p.m. - Swiss Restaurant & Pub**

Most of us live in the urban areas of the Puget Sound region. Our activities affect the landscape, streams, rivers, lakes, and Puget Sound. At the March Tacoma Science Café, join the Washington State Department of Ecology's Mindy Roberts to explore what science tells us about our impacts, and what can we do to reduce those impacts as a society and as individuals.

The Swiss Restaurant & Pub is located at 1904 Jefferson Avenue, Tacoma, WA 98402.

[www.theswisspub.com](http://www.theswisspub.com)

## Eastside Science Café

### "Addiction & the Brain"

**Monday, 10 March, 2014 - 7 p.m. - Wilde Rover**

Repeated exposure to various drugs can alter how cells function and how our brains process reward signals. At the March Eastside Science Café, join UW's John Neumaier, M.D., Ph.D., to discuss recent discoveries in the neurobiology of addiction that we hope can lead to new treatments for addiction based on a deeper understanding of the brain mechanisms that drugs derail.

Wilde Rover is located at 111 Central Way, Kirkland, WA 98033.

[www.wilderover.com](http://www.wilderover.com)

## Science on Tap

Science on Tap is another science café that meets in Seattle, WA. Information regarding the next Science on Tap event can be found on their website.

<http://www.scienceontap.org>

## Association of Women in Science (AWIS)

### "Endocrine Disrupting Chemicals in Maternal/Child Health"

**Wednesday, 19 March, 2014 - 6 p.m. – Fred Hutch Cancer Research Center**

AWIS holds monthly meetings Sept-June at 6:00pm at the Fred Hutch Cancer Research Center.

This month's meeting will be in the Pelton Auditorium in the Weintraub Building. Information regarding the next AWIS event can be found on their website at <http://seattleawis.org/awis-events/>

The Fred Hutchinson Cancer Research Center is located at 1100 Fairview Ave. N., Seattle, WA 98109.

<https://www.fhcr.org/>

# Careers

## Job Opening – Whatcom Community College

Whatcom Community College is recruiting an adjunct chemistry instructor to teach introductory chemistry Spring Quarter 2014. If you are interested please contact the STEM Division Chair, Heidi Ypma, 360-383-3570 or email [hypma@whatcom.ctc.edu](mailto:hypma@whatcom.ctc.edu). The job posting is at:

[http://www.whatcom.ctc.edu:8080/files/5913/9120/3994/Adjunct\\_chemistry\\_instructor.pdf](http://www.whatcom.ctc.edu:8080/files/5913/9120/3994/Adjunct_chemistry_instructor.pdf)

## Job Opening – Centralia College

Centralia College is seeking an Adjunct to teach Chemistry for Summer Quarter. For more details see the announcement at <http://www.centralia.edu/admin/hr/> - Note: Click on the link on the right of the page for “Adjunct Faculty Positions”

## Job Opening – Clark College

Clark College has a one year FT/temporary position open for Fall 2014. The closing date for applications is March 14, 2014. The job announcement is posted here:

[http://www.clark.edu/student\\_services/human\\_resources/jobs/open.php](http://www.clark.edu/student_services/human_resources/jobs/open.php)

## Job Opening – Cascadia Community College

Cascadia has a full time tenure track opening in Chemistry for Fall, 2014.

Preferred qualifications include excellence in Introductory, Preparatory, and General Chemistry with experience in active and collaborative learning.

Application information materials are available at:

<http://www.cascadia.edu/discover/about/jobs/FT%20TT%20CHEM%202014%20JD%20Final.pdf>

## Internships

Washington Conservation Corps - <http://www.ecy.wa.gov/wcc/index.html>

Ecology Youth Corps - <http://www.ecy.wa.gov/programs/swfa/ecy/index.html>

## ACS Job and Career Resources

Career Resources - <http://www.acs.org/content/acs/en/careers.html>

Employment Dashboard - <http://www.acs.org/content/acs/en/careers/salaries/dashboard.html>

Job Postings - <http://chemistryjobs.acs.org/jobs>

# ACS Resources

## The ACS has a vast array of resources and events available to members.

Feel free to explore the ACS website (<http://acs.org>) and look into the many resources available to you.

Member benefits - <http://www.acs.org/content/acs/en/membership-and-networks/acs/benefits.html>

Publications - <http://www.acs.org/content/acs/en/publications.html>

ACS Webinars - <http://acswebinars.org/>

C&EN Webinars - <http://cen.acs.org/media/webinar.html>

Science Podcasts - <http://www.acs.org/content/acs/en/pressroom/podcasts.html>

ACS National and regional meetings - <http://www.acs.org/content/acs/en/meetings.html.html>

ACS Chemworx - <https://pc.acschemworx.acs.org/>

Presentations on Demand - <http://presentations.acs.org/common/default.aspx>

ACS Public Policy fellowships - <http://www.acs.org/content/acs/en/policy/policyfellowships.html>

Project Seed - <http://www.acs.org/content/acs/en/education/students/highschool/seed.html>

National Chemistry Olympiads -

<http://www.acs.org/content/acs/en/education/students/highschool/olympiad/process/competition.html>

Scholars Program - <http://www.acs.org/content/acs/en/funding-and-awards/scholarships/acsscholars.html>

SCI Scholars Internships -

<http://www.acs.org/content/acs/en/education/students/college/experienceopp/scischolars.html>

Sustainability Resources - <http://www.acs.org/content/acs/en/sustainability.html>

Get Involved - [www.acs.org/getinvolved](http://www.acs.org/getinvolved)

## Other Handy Links

Not a Member Yet? Join Today! - <http://acswebcontent.acs.org/joinacstoday/13NEWSAD1od.html>

To subscribe to the section email list, visit: <http://www.chem.plu.edu/mailman/listinfo/pss-acs>

## Other Places to Find Us Online

Check out our Local Section's website - <http://pugetsound.sites.acs.org>

Like our Facebook page - <https://www.facebook.com/AmericanChemicalSocietyPugetSoundSection>

Leave us a message - <http://pugetsound.sites.acs.org/askusaquestion.htm>

# Roster

## ACS Puget Sound - Executive Committee

Chair	Despina Strong
Chair Elect	Andrew Zweig
Past Chair	Nick Milanovich
Secretary	Robbyn Perdue-Anand
Treasurer	Carole Berg
Editor of the Newsletter	Jonathan Clark
Councilor - Position 1 (2014)	Mark Wicholas
Councilor - Position 2 (2015)	Gregory Milligan
Councilor - Position 3 (2016)	Craig Fryhle
Councilor - Position 4 (2014)	Gary Christian
Alternate Councilor - Position 1 (2014)	Jennie Mayer
Alternate Councilor - Position 2 (2015)	Amar Yahiaoui
Alternate Councilor - Position 3 (2016)	Neal Yakelis
Alternate Councilor - Position 4 (2014)	Dharshi Bopegedera

## Other Outstanding Volunteers

Career Day Committee Chair	Dharshi Bopegedera
Earth Day Committee Chair	Dharshi Bopegedera
Education Committee Chair	Clarita Bhat
Finance Committee Chair	David Munch
Fundraising Committee Chair	Nick Milanovich
Linus Pauling Award Committee Chair	David Patrick
Long Range Planning Committee Chair	Despina Strong
National Chemistry Week Committee Chair	Dharshi Bopegedera
Nominating Committee Chair	Nick Milanovich
Public Relations Committee Chair	Neal Yakelis
Social Events Committee Chair	Carole Berg
Speakers Committee Chair	Andrew Zweig
Sustainability Committee Chair	Charity Lovitt
Undergraduate Symposium Committee Chair	Craig Fryhle
Webmaster	Kerry Fowler
Women Chemists Committee Chair	Robbyn Perdue-Anand
Younger Chemists Committee Chair	Jonathan Clark





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