

# THE CHEMIST

**Symposiums and Science Festivals!**

*The Puget Sound Chemist*

Volume 75 No. 5 - May 2014

**From the Editor**

**News Briefs**

**Science Cafés**

**Evergreen Science Carnival**

**Undergraduate Research Symposium**



**ACS**  
Chemistry for Life®

**Newsletter of the Puget Sound Section  
of the American Chemical Society**



# 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)

### ***Undergraduate Research Symposium!!***

The number of science themed events occurring in the Puget Sound region is impressive. There are plenty of science fairs and symposiums at academic institutions from elementary to 4-year universities to attend. The 2014 Undergraduate Research Symposium will be this Saturday, May 3<sup>rd</sup>, 2014 at Western Washington University. The Evergreen Science Carnival & Research Exposition will be happening at the Evergreen State College on May 30<sup>th</sup> and 31<sup>st</sup>, 2014. This month, like all months, also has a number of Science Cafés to attend. Check them out!

Extra gratitude to Clarita for all of her work with the Chemistry Olympiads this year! Thank you for all you do!

The Pauling Award for 2014 goes to Professor Stephen Buchwald of MIT. Congrats!

Spring is moving along nicely and the weather is steadily improving! Enjoy the sun!



A handwritten signature of Jonathan Clark in black ink. The signature is written in a cursive, flowing style.

Jonathan Clark  
Editor of the Newsletter

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# Calendar – May 2014

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

## **3 May 2014 – Undergraduate Research Symposium**

Location: Western Washington University - 516 High Street Bellingham, WA 98225-9150

## **6 May 2014 - Queen Anne Science Café**

Time: 7:30 pm

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

## **12 May 2014 - Executive Committee Meeting**

Time: 7:00pm – 8:15pm

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>

## **12 May 2014 - Eastside Science Café**

Time: 7:00pm

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

## **13 May 2014 - Olympia Science Café**

Time: 7:00pm

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

## **13 May 2014 - Tacoma Science Café**

Time: 6:30pm

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

## **14 May 2014 - Teen Science Café**

Time: 6:30pm

Location: Garfield Teen Life Center - 428 23rd Ave, Seattle, WA 98122

## **29 May 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

## **30 & 31 May 2014 - Evergreen Science Carnival & Research Exposition**

Time: 10:00am – 3:00pm

Location: Evergreen State College - 2700 Evergreen Parkway NW, Olympia, Washington 98505

## News Briefs

# UNDERGRADUATE RESEARCH SYMPOSIUM

The 2014 ACS Puget Sound Section Undergraduate Research Symposium  
will be hosted by Western Washington University (WWU)  
on Saturday May 3, 2014.

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

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

# EVERGREEN SCIENCE CARNIVAL & RESEARCH EXPOSITION

The 11<sup>th</sup> Annual Evergreen Science Carnival and Research Exposition  
will be held at the Evergreen State College  
on Friday, May 30<sup>th</sup>, 2014 and Saturday, May 31<sup>st</sup>, 2014  
10am-3pm.

Teachers are encouraged to bring their entire class.

Check out the website for details:

<http://www.evergreen.edu/events/sciencecarnival/home.htm>

# Science Cafés

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

## Queen Anne Science Café

**"How Healthy is Your ZIP Code?"**

**Tuesday, 6 May, 2014 - 7:30 p.m. - T.S. McHugh's**

Ever wondered whether where you live impacts your health? At the May Queen Anne Science Cafe, join the University of Washington School of Public Health's Tao Kwan-Gett, M.D., M.P.H., to learn how your community's health is measured, and why your ZIP code matters more to your health than your genetic code.

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

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

## Eastside Science Café

**"Genetic Warfare: Barriers to Infection & How Viruses Break Through"**

**Monday, 12 May, 2014 - 7 p.m. - Wilde Rover**

Viruses and animals have been engaged in an evolutionary arms race for millions of years, evolving and counter-evolving in an attempt to get a leg up. At the May Eastside Science Café, join the Fred Hutchinson Cancer Research Center's Greg Brennan, D.V.M., Ph.D., to discover how this conflict has led to some of the most serious epidemics in modern times, and what we're learning to try to control them.

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

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

# Science Cafés

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

## Tacoma Science Café

### "Forage Fish & The Puget Sound Food Web"

**Tuesday, 13 May, 2014 - 6:30 p.m. - Swiss Restaurant & Pub**

Across the world's oceans and seas, small, silvery, schooling fish – known collectively as forage fish – support some of the most culturally and economically important species in the region: salmon, orcas and seabirds. At the May Tacoma Science Café, join UW-Tacoma's Tessa Francis, Ph.D., to delve deeper into the importance of forage fish for the Puget Sound food web, and for the region as a whole.

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

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

## Olympia Science Café

### "Aerogels: past, present, and future"

**Tuesday, 13 May, 2014 - 7:00 p.m. – Orca Books**

Aerogels are unique materials that exhibit the lowest density of any porous solid and have an interesting history dating back to the early 1930s. Aerogels' low-density and mechanical strength have led to several interesting applications including NASA's recent STARDUST mission to return microscopic cometary dust particles to earth with the aim of learning more about the history of the solar system. There is also great interest in using aerogels for thermal insulation due to their ultra-low weight and thermal conductivity.

Dr. Peter Pauzaskie will present basic concepts in the field of aerogels, novel processing routes, and exciting properties, with particular emphasis on recent developments in diamond and graphene aerogel materials. His talk will cover a range of interesting applications of aerogel materials, such as in electrical energy storage, and the versatile sol-gel processing approach that has led to aerogels made from technologically-important materials including silica glass (SiO<sub>2</sub>), various forms of carbon (including diamond and graphene) and, more recently, catalytic metals.

Dr. Pauzaskie is an Assistant Professor in the Department of Materials Science and Engineering at the University of Washington (Seattle).

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.

## **Association of Women in Science (AWIS)**

### **"Science Communication Workshop: "Making Your Science Matter""**

**Thursday, 29 May, 2014 - 6 p.m. – Fred Hutch Cancer Research Center**

Check out the flyer for this month's meeting at:

<http://seattleawis.org/wp-content/uploads/2014/04/May2014AWISFlyer.pdf>

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.

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

## **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>

This Science Café is free and is intended for a teenage audience.

## **Teen Science Café**

### **"Climate Impact: Changes in the Northwest & How We Can Help"**

**Wednesday, 14 May, 2014 - 6:30 p.m. - Garfield Teen Life Center**

Come uncover how climate change and adaptation has been impacting our local Northwest species and ecosystems at the May Teen Science Café. Join us, along with the University of Washington's Meade Krosby, Ph.D., in discussing the work that scientists and wildlife managers are doing to protect our environment, how these changes will affect us in the future, and what we can do to help.

**\*\*Sorry adults, this event is only for teens.\*\***

The Garfield Teen Life Center is located at 428 23rd Ave, Seattle, WA 98122.

<http://www.seattle.gov/parks/tlc/garfield.htm>



# Mark Your Calendar

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

Theme: Chemistry and Global Stewardship

Dates: August 10th - 14th, 2014

Location: San Francisco, California

**REGISTRATION**

**OPENS MAY 2014**



## 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 (Sun-Wed).

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

**Update: Abstracts Now Due May 5!**



## Awards Night

Date/time: Saturday, June 7<sup>th</sup>, 2014 (All Day)

Location: Bellevue College

*Awards Night 2014*

## 2014 Biennial Conference on Chemical Education

Dates: August 3<sup>rd</sup> - 7<sup>th</sup>, 2014

Location: Grand Valley State University, Michigan

Theme: Empowering Chemical Educators for a Greener Tomorrow

Website: <http://www.bcce2014.org/>

## 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)

# Reports



## 2014 PAULING MEDAL AWARD

The 2014 Pauling Medal Award goes to:

**Prof. Stephen L. Buchwald, Massachusetts Institute of Technology**



<http://www.chem.wvu.edu/dept/pauling/2014PaulingMedal.pdf>

# Reports

## **Executive Committee Retreat**

On Saturday, April 5<sup>th</sup>, 2014, the Executive Committee met at the Chair's house for several hours to discuss how to best serve our section, how to better structure the monthly Executive Committee meetings and how to improve on communications within our section. It was a huge success and we wish to express our great thanks to Despina Strong for organizing such a productive and fun event.

## **Chemistry Olympiads**

On Friday, April 25<sup>th</sup>, 2014, the National Chemistry Olympiad Exam took place. It was a great event! More than many of the other excellent events that the section participates in, the Chemistry Olympiads showcase the section's educational goals. Thank you Clarita and the Education Committee for all the work you put into making the Olympiads a success!

# Careers

## 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 – Green River Community College

Green River Community College has an opening for a full-time, tenure track chemistry faculty position beginning Fall 2014. Primary teaching duties will be general and introductory chemistry. Initial screening of applicants begins Apr 30th. Please spread the word to anyone who might be interested. The direct link to Jobs at the GRCC site is: <http://agency.governmentjobs.com/greenriveredu/default.cfm>

## 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 Puget Sound Job Page – <http://pugetsound.sites.acs.org/jobsandcareerresources.htm>

# 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>

## Online Resources for the Puget Sound Section!

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

Executive Committee Meeting Minutes - <http://pugetsound.sites.acs.org/meetingminutes.htm>

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

About us - <http://pugetsound.sites.acs.org/aboutthesection.htm>

ACS Puget Sound Job Page – <http://pugetsound.sites.acs.org/jobsandcareerresources.htm>

Education & Olympiads - <http://pugetsound.sites.acs.org/educationolympiad.htm>

Newsletter Archives - <http://pugetsound.sites.acs.org/archivesofthechemist.htm>

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

# 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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