

# THE CHEMIST

**Dog Days of Summer**

*The Puget Sound Chemist*

Volume 75 No. 8 - August 2014



**News Briefs  
Summer Continues!!**



**ACS**  
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**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)

### *Summer Heat – Perfect for Picnics!*

The Puget Sound section of the ACS is relatively inactive during the summer months. It gives everyone a chance to take a break and relax. I'm looking forwards to the fall when things will begin happening again, but I relish the current opportunity to sit back and review things.

There are a couple big events this month. In particular, the 248th American Chemical Society National Meeting will be happening in San Francisco Aug 10<sup>th</sup>-14<sup>th</sup>. The meeting's theme is about Chemistry and Global Stewardship. It should prove to be another outstanding ACS National Meeting!

Enjoy the sun!



*Jonathan Clark*

Jonathan Clark  
Editor of the Newsletter

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# Calendar – August 2014

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

**August 2014 – No Executive Committee Meeting This Month – Summer Break**

**3-7 August 2014 – 2014 Biennial Conference on Chemical Education**

Location: Grand Valley State University, Michigan

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

**10-14 August 2014 – 248th American Chemical Society National Meeting**

Location: San Francisco, CA 94103

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

**21 August 2014 – Informal Younger Chemists Committee Meeting**

Time: 6:30pm – 7:30pm

Location: Specialty's Café & Bakery in U-Village - 2690 NE Village Ln, Seattle, WA 98105

# News Briefs

## Awards and Nominations

Jacqueline Barton, who won the Pauling Medal in 2008, has just received the ACS Priestly Medal!

Also, Gary Christian is now an ACS Fellow! Congrats! A well deserved honor!

<http://cen.acs.org/articles/92/i28/2014-ACS-Fellows.html>

## Summer Break Continues!

The Puget Sound Section's hiatus from major events will last through the month of August! The next Executive Committee meeting will be in September.

## 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/>

## 248th American Chemical Society National Meeting

Theme: Chemistry and Global Stewardship

Dates: August 10th - 14th, 2014

Location: San Francisco, California

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

**REGISTRATION  
IS NOW OPEN!**



# Younger Chemists Committee

## YCC Basics

We are a local section of the national Younger Chemists Committee. The YCC was chartered by the American Chemical Society to address the specific needs of younger and early-career chemists. The YCC's vision is to lead younger chemists into successful careers and active roles in the ACS and the profession.

Email Jonathan Clark (Puget Sound YCC Chair) at [PugetSoundYCC@gmail.com](mailto:PugetSoundYCC@gmail.com)

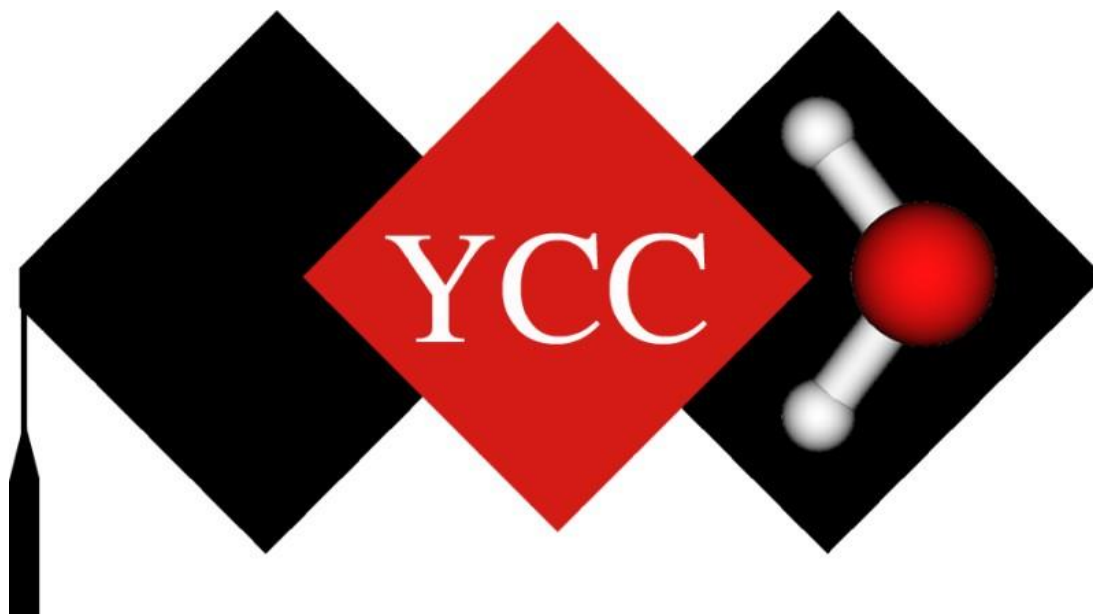
## Informal YCC Meeting

Thursday, August 21<sup>st</sup>, 2014 (6:30pm – 7:30pm)

Specialty's Café and Bakery in U-Village

Address: 2690 NE Village Ln, Seattle, WA 98105

Topics: Fall Events



# Science Cafés

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

## Science Cafés

The Queen Anne, Eastside, Tacoma and Olympia Science Cafés will not meet in August. Summer Break!!  
Enjoy the Sun!!

## 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>

# Mark Your Calendar

## Sustainability Committee

The Puget Sound local section will host Prof. Donald Stedman of the University of Denver to give a seminar on “The Science and Politics of Mobile Source Emissions”

Two opportunities to attend:

Wednesday, September 17th, 2014 at 7pm at Pacific Lutheran University in Tacoma, WA

Thursday, September 18th, 2014 at St. Martins University in Olympia, WA (Time TBD)

## WCCTA Conference

**2014 Annual Meeting of the Washington College Chemistry Teachers' Association  
October 9<sup>th</sup>-11<sup>th</sup> 2014 at the Sleeping Lady Resort in Leavenworth, WA**

The WCCTA brings together chemistry educators from around the state of Washington and some from Oregon. They share ideas about best practices in teaching chemistry, teaching pedagogy, innovative chemistry labs, and engage in conversations on topics relevant to the WCCTA members in the beautifully relaxing atmosphere of the Sleeping Lady Conference Center. It is a great place to meet new colleagues, make friends, and network with community college and college chemistry faculty. Please plan to attend!

To register and submit abstracts, please visit: <http://www.wccta.org/>

To check out all of the conference info, visit: [http://www.wccta.org/2014\\_Conference](http://www.wccta.org/2014_Conference)



# Mark Your Calendar

## October 2014 - PNNL Speaker at Evergreen State College

Dr. Dayle Smith

Senior Research Scientist

Pacific Northwest National Laboratory

will speak on

**Unraveling complex structure-function relationships underlying metalloenzymatic catalysts for energy applications: learning from nature using a computational chemistry approach**

October 22, 2014 at 5 PM

The Evergreen State College, SEM II A1105

Free and open to the public

Dinner with the speaker following the talk at the Budd Bay Café in Olympia ([www.buddbaycafe.com](http://www.buddbaycafe.com))

Abstract: Metal-containing proteins play a central role in the activation of energy-relevant small molecules by biological systems. This talk will describe current synergistic research at Pacific Northwest National Laboratory in collaboration with academic institutions that aims to unravel how metal proteins regulate catalytic aspects of metalloenzymatic systems, specifically hydrogenase for conversion of protons and electrons into dihydrogen, methyl coenzyme M reductase for production of methanol from methane, and nitrogenase for synthesis of ammonia from dinitrogen. Evolution has optimized these enzymes to maximize reactant specificity and stabilize reaction intermediates while operating under ambient conditions of temperature and pressure. Our ultimate aim is to learn from nature to design bio-inspired molecular catalysts to replace the energy-intensive processes used today by leveraging biochemical characterization, inorganic synthesis and computational chemistry. This talk will focus on the latter, describing multi-scale computational chemistry applications that resolve key scientific questions about the role of protein structure and dynamics underlying biological catalytic mechanisms with regards to electron, proton and substrate delivery, protein dynamics, and reaction thermodynamics using state-of-the-art applications of quantum, classical and statistical physics and high-performance computing.

RSVP for dinner reservations only by 10/15/2014 to Dharshi Bopegedera at: [bopegedd@evergreen.edu](mailto:bopegedd@evergreen.edu) or (360) 867-6620

Park in Lot C for easy access to the Seminar II (SEM II) Building (cost is \$2)

Driving directions to Evergreen is available at [www.evergreen.edu/tour/getthere.htm](http://www.evergreen.edu/tour/getthere.htm)

Sponsored by: Academic Programs at Evergreen (Introduction to Natural Science, Environmental Analysis, Physical Systems, Introduction to Environmental Studies), The Evergreen Chemistry Club, and Puget Sound Section of the ACS

# Careers

## Job Opening – Evergreen State College

The Evergreen State College has a position opening for a chemist in their Evening-Weekend studies program for the 2014/15 academic year. The link to the job description is:

<http://evergreen.edu/facultyhiring/jobs/adjunctChemEWS14.htm>

## Internships

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

Ecology Youth Corps - <http://www.ecy.wa.gov/programs/swfa/eyc/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

## Online Resources for all ACS members

Explore the ACS website (<http://acs.org>) and look into the many resources available to you as a member.

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)

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

## Online Resources for the Puget Sound Section!

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

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

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

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

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

# Roster

## ACS Puget Sound - Executive Committee

Chair	Despina Strong
Interim Chair Elect	Cheryl Bick
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
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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