

THE CHEMIST

2017, Here we come!

The Puget Sound Chemist

Volume 78 No. 1 - January 2017

Career Event Registration Deadline: Jan 22nd



**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 general email
correspondence to:

info@pugetsound.sites.acs.org

Turning the corner into a new year.

Opportunities abound in 2017. What project are you going to tackle this year? Passing an entry level General Chemistry course, completing a degree in chemistry, finishing a graduate program or perhaps making a significant career development move?

The 2017 Career Event has an earlier than usual registration deadline. Register here: [Link](#) **Career Event Registration Deadline: January 22nd, 2017**

The results of the election for ACS PSS Officers for 2017 are published in the News Briefs section. The full roster of the 2017 Executive Committee is listed in the Roster section (page 19). The election results are summarized here:

Chair-Elect: Leonard J. Andrews

Secretary: Alex Stambor

Treasurer: Arwyn Smalley

Councilor Position 3: Craig Fryhle

Alternate Councilor Position 3: Alicia Taylor

Cheers!



Jonathan Clark

Newsletter Editor

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Calendar – January 2017

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

9 January 2017 – Executive Committee Meeting

Time: 7:00pm

Location: North Seattle Community College - 9600 College Way N, Seattle WA 98103
Room 2328C - South end of the 2nd floor of the Instruction Building (IB)

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

Puget Sound Section

News Briefs

Elections Results

2017 ACS Puget Sound Section Executive Officers

Position	Candidate	Paper	Online	Totals	Elected Person - Position
Chair-Elect	Leonard J. Andrews	9	171	180	Leonard J. Andrews - Chair Elect
	No Write-Ins Submitted				
Secretary	Alex Stambor	9	163	172	Alex Stambor - Secretary
	No Write-Ins Submitted				
Treasurer	Arwyn Smalley	9	170	179	Arwyn Smalley - Treasurer
	No Write-Ins Submitted				
Councilor Pos 3	Craig Fryhle	9	170	179	Craig Fryhle - Councilor Position 3
	Write In: Alicia Taylor		1	1	
Alt Councilor Pos 3	Gwen Gross	1	80	81	Alicia Taylor - Alternate Councilor Position 3
	Alicia Taylor	8	86	94	
	No Write-Ins Submitted				

Totals	9	174	183	Total Number of Submitted Ballots
			1930	Total PSS Membership
			9%	Voter Turn-Out

Nominating Committee

Cheryl Bick, Nominating Committee Chair
 Despina Strong
 Karen Goodwin
 Nadine Gruhn
 Jonathan Clark

Questions?

Send us an emails to: elections@pugetsound.sites.acs.org

News Briefs

Scholarships Available!

The Puget Sound Section of the American Chemical Society is very pleased to be able to give scholarships to a number of worthy college students every year!

*Application deadline is March 15th, 2017 for most scholarships. The application deadline for the High School Teacher of the Year Award is April 30th, 2017.

The application forms will be available shortly on the website:

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

Application Deadline: March 15th, 2017

Arden Forrey

Sunday's Seattle Times contained a short obituary for Arden Forrey, who for many years was active on the Executive Committee and the Education Committee. He was the chair of the Section in 1996.

<http://www.legacy.com/obituaries/seattletimes/obituary.aspx?pid=183207018>

There is also a longer obituary at <http://bonneywatson.com/obituaries/2016/12/Arden-W-Forrey-Jr.html>

Correction

December 2016's edition of this newsletter mistakenly listed the High School Chemistry Tournament of Washington University as being from Montana. Washington University is actually located in St. Louis, Missouri (not Montana). The corrected announcement appears in the '[Mark Your Calendar](#)' section.



Science Cafés & Lectures

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

Science Cafes by the Pacific Science Center

As of Oct 1st, 2016, the Pacific Science Center's Science Café series has come to a close. In place, the Pacific Science Center has launched a Science Lecture series. Please take a look:

<https://www.pacificsciencecenter.org/lectures/>

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>

Younger Chemists Committee

YCC Networking Opportunities

YCC is committed to helping students and professionals find networking opportunities. Below are current monthly networking opportunities in the Seattle area. Please reach out to us if you know of additional networking events in Seattle or in other regions within the Puget Sound ACS chapter region. Additionally, if you have an interest in ACS partnering with these events, or having its own networking event, please reach out to us! Let us know how you liked these events!

- NBIS (Network for Business Innovation and Sustainability) - <http://nbis.org/> - Helping business focus on innovation and sustainability
- Sustainable Seattle - <http://www.sustainableseattle.org/> - Among other things, they host "Green Drinks" which is a low key networking event each 2nd Tuesday of the month. Location changes; free beer/wine and snacks
- NWAEP - <http://www.nwaep.org/> - Northwest Association of Environmental Professionals - They host a first Thursday networking event each month
- NEBC - <http://www.nebc.org/NebcEvents.aspx>
- Net Impact - <https://www.netimpact.org/chapters/seattle-professional> - A professional group centered about helping professionals make a meaningful impact at work and in their communities
- NEEC - <http://www.neec.net/> - Northwest Energy Efficiency Council - hold meetings, trainings and networking events related to energy conservation and sustainability
- YEP – Young Environmental Professionals, <http://nebc.org/view/yep-info.aspx>



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.

Check out our [webpage!](#)

Email any questions to Jonathan Clark (Puget Sound Section YCC Chair): PugetSoundYCC@gmail.com

Are you a younger chemist looking for a way to be an active volunteer with the local section? Do you want to plan social events or industrial tours for young professional chemists and chemical engineers? Consider getting involved with the Younger Chemists Committee to plan and implement events and programs.



Mark Your Calendar

Career Event 2017

February 22nd, 2017 at the Pacific Regional Lab Northwest (PRLNW) - 22201 23rd Dr. SE Bothell, WA 98021

[Further Information and Registration](#)



Mark Your Calendar

Catalysis: A Frontier at the Center of Chemistry

**The Jean Dreyfus Lectureship at Puget Sound
Funded by The Camille and Henry Dreyfus Foundation**

Through generous funding from the Camille and Henry Dreyfus Foundation, the University of Puget Sound is hosting a visit from Professor of Chemistry Eric Jacobsen (Harvard University). As part of his visit he will be presenting an evening lecture geared to a general audience. The lecture is free and open to the public.

**Eric N. Jacobsen
Sheldon Emery Professor of Chemistry
Harvard University**

Thursday, February 16, 2017, 7 pm - - Schneebeck Concert Hall at the University of Puget Sound
Reception following - - For additional information or questions, contact John Hanson (hanson@pugetsound.edu).

There is no doubt that many of the most pressing challenges facing humanity – such as health, the environment, and energy – will have to be addressed using chemistry. But what remains to be discovered or understood in this venerable discipline? Is it a “mature” science, such that the only real opportunities exist in applying known concepts both within the field and at the interface of other disciplines? Or are there genuinely new things to be found about molecular structure and reactivity that can enhance the impact of our field? In this lecture, I will share my own perceptions of what are some of the major fundamental challenges at the core of chemistry, and touch on ways that my group has gone to address them.



Eric Jacobsen joined Harvard University as full professor in 1993, was named the Sheldon Emery Professor of Organic Chemistry in 2001, and served as Chair of the Department of Chemistry and Chemical Biology from 2010 through 2015. He directs a research group of 20-25 graduate students and postdocs dedicated to discovering useful catalytic reactions, and to applying state-of-the art mechanistic and computational techniques to the analysis of those reactions. Several of the catalysts developed in his labs have found widespread application in industry and academia. These include metal-salen complexes for asymmetric epoxidation, conjugate additions, and hydrolytic kinetic resolution of epoxides; chromium-Schiff base complexes for a wide range of enantioselective pericyclic reactions; and organic hydrogen bond-donor catalysts for activation of neutral and cationic electrophiles. Jacobsen's mechanistic analyses of these systems have helped uncover general principles for catalyst design, including electronic tuning of selectivity, cooperative homo- and hetero-bimetallic catalysis, hydrogen-bond donor asymmetric catalysis, and anion binding catalysis. Additional information, including a list of his many awards can be found at http://www.people.fas.harvard.edu/~minotti/about_ENJ.html.

Mark Your Calendar

253rd ACS National Meeting & Exposition

Advanced Materials, Technologies, Systems & Processes



[Register Here](#)

2017 Undergraduate Research Symposium

"Save the Date" for the 2017 Undergraduate Research Symposium!

Saturday, April 29th, 2017 at UW Bothell

18115 Campus Way NE, Bothell, WA 98011

Mark Your Calendar

Chemistry Tournament at Washington University



Missouri's Washington University will host its 2nd annual chemistry tournament on April 8, 2017.

“The Washington University Chemistry Tournament (WUCT) is an annual chemistry competition held on Washington University’s campus in St. Louis, MO. The competition invites high school students across the nation to participate in a series of individual and team-based chemistry exams, engage with college students and faculty, and earn recognition at an awards ceremony. WUCT emphasizes real world applications of science and promotes fundamental problem-solving and teamwork skills.”

Check out this link for more info and to register: <http://wuct.wustl.edu/index>

Mark Your Calendar

NORM 2017

More info: www.norm17.org



72nd Annual Northwest Regional Meeting
June 25-28, 2017
Oregon State University | Corvallis, OR
norm17.org



Mark Your Calendar

2017 Chemistry Olympiads

The Puget Sound section of ACS is pleased to announce that we will be participating again this next year in the International Chemistry Olympiad competition.

The primary goals of this program are to stimulate interest and achievement in chemistry among high school students throughout the United States and to provide recognition of outstanding young chemistry students, teachers, and schools.



Students competing in the USNCO are eligible to be selected as members of the United States team for the International Chemistry Olympiad (IChO). For the past thirty three years, the United States has sent a team of four students to compete with nations around the world at the IChO. The students participate in both theoretical and laboratory examinations over several days. Gold, silver, and bronze medals are awarded to the best performers, and the IChO provides students the opportunity to interact with their peers from other countries. This year the international event will be held in Nakhom Pathon, Thailand, July 6-15, 2017.

It is the responsibility of our section to nominate students from this area to take the USNCO national examination. In order to identify these students, we have decided to conduct a preliminary screening of students through **Local Exams during March of 2017**. The national exam involves three parts administered to more than 1,000 students. Students can use past exams available at www.acs.org/olympiad to prepare.

Any interested students (and teachers) are encouraged to get in touch with our committee members for more information about our local event. No registration forms are required; rules and general information are available in the website below. Please contact Clarita Bhat (claritabaht@yahoo.com or cbhat@shoreline.edu) for more details. Let us make this the year that one of ours goes to the International competition!! Our great committee will be communicating with all interested very soon.

Careers

Job Openings

Visit our [webpage](#) for current job opportunities.

[Full-Time Math, Biology and Chemistry Faculty Position Openings \(Bellevue College\)](#)

Deadlines: See posting for details

Location: Bothell, WA

ACS PSS Posting Date: 12/31/2016

Brief Description: 3 new full-time faculty positions will be available (one currently open and two more to post soon):

Mathematics Instructor [OPEN NOW] - Priority review date* - First Read January 4, Second Read February 1 [At this time we anticipate having two positions]

Chemistry Instructor - Priority review date* - Late January [Anticipated to be posted in the next two weeks]

Biology Instructor - Priority review date* - TBA [Anticipated to be posted in January and due about 1 month later]

(*This is sort of a closing date – officially the position is "open until filled" however, applications received by the deadline are given priority. In the case of mathematics, we are reading in two “phases” regardless of the number of positions we are granted..)

View PDF of Job Posting: N/A

General Chemistry Instructor ([South Seattle College](#))

Deadlines: N/A

Location: Seattle, WA

ACS PSS Posting Date: 12/30/2016

Brief Description: South Seattle College has an immediate opening for a General Chemistry 161 instructor for the following course:

CHEM&161, GENERAL CHEM W/LAB I

MTWF 10:00 AM 10:50 AM

Lab Th 10AM – 1:50PM

You can see our online class schedule here: <https://mysouth.seattlecolleges.edu/classschedule.htm>

Please send all inquiries to Kay Rutherford, Interim Associate Dean / Science, Math, and Business at Kay.rutherford@seattlecolleges.edu, phone: 206-934-6842

View PDF of Job Posting: N/A

Careers

Job Openings

Visit our [webpage](#) for current job opportunities.

[SEM Technician – Research Associate II \(Western Washington University\)](#)

Deadlines: See job posting for details

Location: Bellingham, WA

ACS PSS Posting Date: 12/30/2016

Brief Description: This is a 50%, 12-month, professional staff position.

The Research Associate will assist, train, and supervise students, faculty, and other users in SEM, SEM-EDS, S/TEM, and related instrumentation. Perform and apply advanced SEM and S/TEM imaging, SEM-EDS microanalysis, and sample preparation techniques. Serve as technical consultant to faculty, students, and other investigators. Develop and apply new techniques or procedures applicable to research and teaching. Collaborate on research and teaching. Develop and pursue projects and proposals for external funding. Maintain and service SEM instrumentation and related equipment.

Required Qualifications:

- M.S. in chemistry, physics, materials science, biology, or a related field, or equivalent experience.
- Minimum 1 year experience operating SEM and SEM-EDS instrumentation.
- Demonstrated commitment to work effectively with a diverse group of students, faculty, staff and external partners.
- Strong record of effective teamwork and collaboration.
- Good oral and written communication skills.

Applications will only be accepted via Western Washington University's Job Application Management site. To view the full announcement and to apply, visit <https://jobs.wvu.edu/JobPosting.aspx?JPID=7348>

View PDF of Job Posting: N/A

Careers

Job Openings

Visit our [webpage](#) for current job opportunities.

[Program Rotators \(NSF Division of Chemistry\)](#)

Deadlines: N/A

Location: Arlington, Virginia

ACS PSS Posting Date: 12/01/2016

Brief Description: The NSF Division of Chemistry is seeking new program rotators. At this time, we are particularly interested in individuals with broad knowledge and demonstrated experience in inorganic and organic synthesis; catalysis (especially surface catalysis and/or heterogeneous catalysis); and nanochemistry with experience in surface analysis and reactivity. A starting date of fall 2017 is of interest, through earlier starts may be possible. Applications by the end of November are encouraged, but later applications may be considered as well (until the positions are filled). Nominations are also welcomed. More information about this opportunity can be found via <https://www.nsf.gov/pubs/2016/che16001/che16001.jsp?org=NSF>. We look forward to the addition of new, talented rotators to the division. More information and applications should be submitted to: CHE-recruit@nsf.gov.

View PDF of Job Posting: N/A

[Analytic Chemistry Faculty \(The Evergreen State College\)](#)

Deadlines: N/A

Location: Olympia, WA

ACS PSS Posting Date: 08/31/2016

Brief Description: The Evergreen State College is currently seeking applicants for Analytical Chemistry regular faculty position (tenure-track equivalent) for 2017-18 academic year. Apply at <http://www.evergreen.edu/facultyhiring>. First review Sept. 12, 2016 continuing until finalists are selected.

View PDF of Job Posting: N/A

Careers

Job Openings

Visit our [webpage](#) for current job opportunities.

[Titration and Spectroscopy Sales Representative \(Metrohm USA\)](#)

Deadlines: None

Location: USA

ACS PSS Posting Date: 07/31/2015

Brief Description: It's an exciting time at Metrohm USA! We are the North American division of world-renown Metrohm AG (Herisau, Switzerland), an industry leader in laboratory instruments and accessories for analytical testing/research. We are looking for a Titration and Spectroscopy Sales Representative to join our field-based Sales Team in the Pacific Northwest. It's your chance to be a part of a dynamic team and make an immediate impact! Our innovative, high quality products are found in laboratories of all kinds-academic, industrial, research, quality control, processing, manufacturing and scale-up and all over the world, although our efforts concentrate on North America. As part of a global entity and rapidly growing organization you will be part of a progressive and high-energy team, focused on bringing quality products to market and excelling in quality customer service. We provide a professional, dynamic environment and offer competitive salaries with an excellent benefits package.

View PDF of Job Posting: N/A

Internships

King County Internships - <http://www.kingcounty.gov/audience/employees/careers/jobs.aspx>

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

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

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

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

Roster

ACS Puget Sound - Executive Committee	
Chair	Karen Goodwin
Chair Elect	Leonard J. Andrews
Past Chair	Sheri Tonn
Secretary	Alex Stambor
Treasurer	Arwyn Smalley
Newsletter Editor	Jonathan Clark
Councilor - Position 1 (2017)	Mark Wicholas
Councilor - Position 2 (2018)	Gregory Milligan
Councilor - Position 3 (2019)	Craig Fryhle
Councilor - Position 4 (2017)	Gary Christian
Councilor - Position 5 (2018)	Despina Strong
Alternate Councilor - Position 1 (2017)	Jennie Mayer
Alternate Councilor - Position 2 (2018)	Amar Yahiaoui
Alternate Councilor - Position 3 (2019)	Alicia Taylor
Alternate Councilor - Position 4 (2017)	Dharshi Bopegedera
Alternate Councilor - Position 5 (2018)	Nadine Gruhn

Other Outstanding Volunteers	
Awards Committee Chair	TBA
Career Event Committee Chair	TBA
Communications Director	TBA
Earth Day Committee Chair	TBA
Education Committee Chair	TBA
Finance Committee Chair	TBA
Hospitality Committee Chair	TBA
Linus Pauling Award Committee Chair	N/A for 2017
Long Range Planning Committee Chair	TBA
National Chemistry Week Committee Chair	TBA
Nominating Committee Chair	TBA
Public Relations Committee Chair	TBA
Safety Committee	TBA
Sustainability Committee Chair	TBA
Undergraduate Symposium Committee Chair	TBA
Webmaster	TBA
Women Chemists Committee Chair	TBA
Younger Chemists Committee Chair	TBA



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