

73rd Annual NORM 2018

Northwest Regional Meeting

June 24-27

With dozens of technical sessions, a myriad of networking opportunities, and excursions unique to the area's scientific and agricultural heritage, NORM 2018 is a must-attend event for ACS members. Even better is that NORM 2018 will be one of the first meetings to take place at Pacific Northwest National Laboratory's new 24,000 sq. foot Collaboration Center, "Discovery Hall", a modern, river-adjacent facility in Richland, Washington.

Regional meetings have been called a key value of the ACS. With this one in your own backyard, you won't want to miss it!

HIGHLIGHTS INCLUDE

- Topical Chemistry Sessions - Organic, Inorganic, Materials Chemistry, Analytical, Computational, Biofuels and Green Chemistry, Geochemistry, Radio and Nuclear Chemistry, Food and Wine Chemistry, Entrepreneurial Impact of Chemistry - and MORE!
- Undergraduate and Graduate Student Education and Outreach
- High School Teachers' Programming
- Poster session for Students, Early Career Professionals, and Outreach
- Vendor Fair, including an Innovation Fair component for Chemistry-based start-ups



 **ACS**
Chemistry for Life™

NORM 2018

POWERING THE FUTURE

energy • environment • education

Richland Section

June 24–27, 2018 www.NORM2018.org

- Awards Banquet and lots of Networking and Social Events
- Tours of LIGO, B-Reactor, EMSL, and a Badger Mountain Sunset Hike

REGISTRATION AND CALL FOR PAPERS BOTH OPEN ON FEBRUARY 2ND.

COMPLETE INFORMATION MAY BE FOUND AT WWW.NORM2018.ORG

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VOTE ON THE RICHLAND SECTION 2018 BUDGET

The proposed 2018 budget is shown in the table below. The Section Board believes this budget reflects the encouragement and advancement of chemistry in the broadest manner possible, the increase and dissemination of knowledge, the promotion of scientific interests and inquiry, the stimulation of professional interests, the fostering of chemistry literacy in the community, and education of its members. The budget is submitted to the membership at this time for consideration, and will be voted on by the membership electronically. A link for the voting will be emailed out to members on or about February 23, 2018. Questions can be submitted directly to the Treasurer, Sandy Fiskum. The large negative cost variance is driven by several factors: Support for the new Women Chemists Committee and their support of Expanding Your Horizons (items 21n and 21o \$900), Grants received in CY2017 were not expended and will be expended in CY2018 (21b and 21g \$1050), Continued expectation to update local section appearance and activities (16b, 16c, 17a, 17d \$1300). It should be noted that the Section has cash reserves of \$31,004. Additionally, NORM2018 is expected to increase the local section funds.

PROPOSED 2018 BUDGET

REVENUES	2016 Final	2017 Final	2018 Proposed
(1) Annual ACS Allotment (plus dues)	\$8,177.98	\$8,183.65	\$7,805
(2) New member commissions	\$0	\$75	\$0
(3) Donations, contributions	\$500	\$0	\$0
3a) Bequests and/or trusts	\$0	\$0	\$0
(4) Rebate from ACS for Councilor travel expenses	\$2,738.1	\$2,388.9	\$2,800
(5) ACS Awards or Grants received (e.g., IPG)	\$1,500	\$1,050	\$0
(6) Program revenue (short courses, lecture series etc.)	\$0	\$0	\$0
(7) Local section dues, affiliate dues	\$1,445	\$1,502	\$1,400
(8) Interest, dividends	\$15.09	\$15	\$15
(9) Special events and activities	\$0	\$0	\$0
(10) Meals (include total meals in revenue)	\$0	\$0	\$0
(11) Other revenue (describe and itemize)			
a) AIChE contribution to summer picnic	\$0	\$0	\$0
b) Early bird discount for leadership training	\$250	\$250	\$250
(12) TOTAL REVENUES	\$14,626.17	\$13,464.55	\$12,270
EXPENSES	2016 Final	2017 Final	2018 Proposed
(13) Subsidies to subsections, topical groups, or affiliate groups		\$0	\$0
(14) Awards, scholarships, grants, etc.			
a) Travel awards for ACS student members	\$3,000	\$3,000	\$3,000
b) HS Teacher Grants	\$0	\$0	\$100
c) Outstanding Teacher Award	\$0	\$0	\$100
d) General Awards	\$227.65	\$270	\$300
e) Supplemental awards	\$133.17	\$100	\$250
(15) Administrative expenses (not including postage, printing, and shipping)	\$68.52	\$0	\$100
(16) Printing, publications, newsletters, meeting announcements, postage			
a) Newsletter	\$581.79	\$560.94	\$800
b) Public relations	\$420	\$0	\$400
c) Web update	\$0	\$0	\$200
d) Miscellaneous	\$23.38	\$0	\$50
(17) Local Meetings (include speakers' expenses)			
a) Speakers	\$429	\$0	\$400
b) ACS Picnic	\$233.46	\$290.94	\$400
c) ACS Annual social	\$888.91	\$891	\$1,000
d) Science Cafes	\$108.31	\$35.04	\$300
(18) Meals	\$0	\$100	\$0
(19) Travel subsidies to Councilors	\$3,942.54	\$2,986.12	\$3,500
(20) Travel subsidy and fee for Local Section Leadership Conference	\$882.2	\$1,763.96	\$1,500
(21) Other expenses (describe and itemize)			
a) K-12 outreach (Lewis and Clark elementary, Expanding Your Horizons, Other)	\$50	\$50	\$150
b) Grant (IPG Enhancing Presentation Skills)	\$82	\$0	\$750
c) NCW, K-12 outreach	\$455.81	\$365	\$500
d) Olympiad	\$128.24	\$0	\$200
e) Science Fair and award	\$425	\$425	\$450
f) Girls in Science	\$500	\$500	\$500
g) Bridging the gap minigrant (communication equipment)	\$0	\$0	\$300
h) Diversity Affairs Committee	\$0	\$0	\$500
i) Boy Scouts Nuclear Science Merit Badge	\$50	\$75	\$75
j) Earth Day	\$0	\$196.78	\$200
k) Project SEED	\$900	\$900	\$900
l) Other expenses (ANS-Dec meeting)	\$0	\$0	\$50
m) Career fair	\$600	\$2,400	\$0
n) Women Chemists Committee	\$0	\$0	\$400
o) Expanding Your Horizons	\$0	\$500	\$0
Summary	2016 Final	2017 Final	2018 Proposed
(22) TOTAL EXPENSES	\$14,129.98	\$14,809.78	\$17,975
(23) EXCESS (DEFICIT)	\$496	(\$1,345)	(\$5,705)
Richland Section Cash Reserves:	\$32,350	\$31,004	

'18 OFFICERS & COUNCILORS

Meet your newly elected ACS Richland Section Officers and Councilors. They are volunteering their time and talents to help make this section the best it can be. Please help them in any way you can by volunteering your ideas and time to help our events succeed.



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BUDGET VOTE 2.23.18

GREETINGS FROM NEW SECTION CHAIR



Dear Colleagues,

It is my pleasure and privilege to serve the Richland Section of the ACS as the 2018 Chair. I thank past chair Vanda Glezakou for her leadership and dedication to the Section. I look forward to working with you to communicate the wonder of Chemistry to our community. This is my second term as Section Chair. Over the past few years, I have developed an appreciation for the amazing group of core volunteers who work tirelessly and travel long distances to serve ACS. I will work with our Section officers to expand this group in 2018 and make our activities sustainable in the long term. You can see the full roster of Section Officers and Committee Chairs on our website <http://acs.labworks.org>. Please contact us if you have new ideas for our Section or wish to volunteer with the Section.

We will begin the year with a budget vote in February. We have a full slate of events planned for this year including Chemists celebrate Earth Day, Chemistry and Nuclear Science merit badge events, picnic, and local tours. We will host the 2018 Northwest Regional Meeting in Richland from June 24 through 27. Our theme is 'Powering the Future: Energy, Environment and Education.' Let us take this opportunity to reach out to our local K-12 and undergraduate students. They are the future of our profession. I look forward to a great year of advancing Chemistry for Life.

Thank you,

Ram

BUDGET VOTE 2.23.18

OPPORTUNITIES TO BE INVOLVED!

CALL FOR SCIENCE FAIR JUDGES

We need a few good Chemists! Each year over 350 middle and high school students enter our Mid-Columbia Regional Science and Engineering Fair. They each have at least three one-on-one interviews with STEM professionals, who encourage them to choose STEM education and careers.

The Section strongly encourages local scientists and engineers to volunteer as judges to interview these young men and women starting at 8:30AM on Thursday, March 8, 2018 at the Columbia Center Mall in Kennewick. We need representatives from all branches of Chemistry. The students say the interviews are their favorite part of the fair. Remember that our ACS Section is one of the sponsors of this science and engineering fair. Thank you for your support of the next generation of Chemists.

To volunteer, please go to www.midcolumbiasciencefair.org/judges-volunteer

TECHNOLOGY GRANT ASSISTANT

The Richland Local Section is seeking assistance for fulfilling a technology grant. This role involves purchasing digital recording and communication hardware, as well as providing support for filming and/or streaming live events. If interested, please contact Frannie Smith (frances.smith@pnnl.gov). Close proximity to the Tri-Cities is preferred. Thank you.

CELEBRATION IN SCIENCE

The Richland Local Section will be participating in the Tri-Cities' "Celebration of Science" on Saturday, April 21st, 2018 from 11 a.m.-3:00 p.m. at John Dam Plaza in Richland. Volunteers are needed to help staff an interactive table display. For more information about the event, please visit threeriverscience.org. Interested in participating? Please contact Chemists Celebrate Earth Day Chair, Sneha Akhade (sneha.akhade@pnnl.gov) and Frannie Smith (frances.smith@pnnl.gov).

GIRLS IN SCIENCE PROGRAM ROCKS SCIENTIFIC IMAGINATIONS

By Brittany Hargrove And Anna Cavinato

While other students spent Saturday, October 28th finalizing their plans for trick-or-treating, nearly 100 middle school girls from around Eastern Oregon celebrated Halloween early at this year's Girls in Science event. The 6th-8th grade junior detectives descended on the Eastern Oregon University campus to join the ranks of EOU chemists, biologists, mathematicians, psychologists, and computer scientists for a fun geology- and Halloween- themed investigation dubbed "Crystal's Dreadful Party: A Mineralogical Mystery." In true CSI fashion, the girls were tasked with determining whether or not Crystal was killed at her costume party, and if so, with uncovering the culprit and murder weapon.

The girls began their mission by examining the elaborate crime scene and interviewing members of the gem-studded party roster, including the fictional "Professor Grant Basalt," "Opal Fahr," "Ruby Saffire," and "Malakai T'Uh"—all played by EOU theater students. Then the students continued to untangle the mystery by rotating through activities in EOU's classrooms and science labs. They measured femurs, tested fake blood samples, set off chemical reactions, decoded messages using binary numbers, and much more. Event attendees even had the opportunity to get a first-hand taste of college life by fueling up in EOU's Hoke Cafeteria. The day ended with gasps and laughter from students as Crystal made a surprise reveal to confess that she had faked her own death out of revenge for her sister, Opal.

Watch the dramatic ending here: <https://www.youtube.com/watch?v=cSc8SkwWAMg&feature=youtu.be>



Girls analyze blue crystals found at the crime scene using visible spectrophotometry.

Check out this great video by LaGrandeAlive.TV., featuring interviews with NEOAHEC's Brittany Hargrove, and EOU's Dr. Anna Cavinato and Dr. Karen Antell.

<https://youtu.be/v90Wu53IHKw>

The Observer also covered the event. Access the story here: <http://www.lagrandeobserver.com/news/local/5710924-151/crime-scene-at-eou-is-a-teaching-opportunity>

ACS FELLOWS PROGRAM SEEKS NOMINATIONS

The Richland Section has the opportunity to support the nomination of a member for selection as a Fellow by the ACS, and is requesting nominations from the membership. The ACS Fellows Program was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to science, the profession, and the Society. For details, please contact Janet Bryant, (509) 627-2687 or at:

<https://www.pnnl.gov/contacts/staffinfo.asp?uid=6E2385B954AB814782BAEFEC4C254396>



MEMBER ACTIVITIES



Section members had the chance to work with molten and fused glass November 9th at the Glass Puntzy in Kennewick. Here Joseph Malek heats up some glass on a blowpipe in the "Glory Hole."



On November 3rd, the Section held its annual member recognition social at the WSU Tri-Cities atrium. During the social, the Section had the pleasure of recognizing fifty year members Rebecca Bechtold and William Winters, sixty year members Michael Besso and James Langford, and seventy year member John Young. Students from Eastern Oregon University were on hand to present their research posters. There was much valuable interaction between the senior and younger chemists!



STEM VOLUNTEER OPPORTUNITY

**Expanding Your Horizons (EYH)
Saturday, March 24th
at Columbia Basin College**

This year, the WCC is organizing the EYH conference. EYH is a day-long conference that helps girls to explore careers in STEM. Many female STEM professionals participate in this event by presenting an interactive, engaging, hands-on demonstration about their career to middle school girls. Currently, we need volunteers for presenters and to assist with check in, set-up, etc. If you are interested in volunteering, please contact us at eyhtricity@gmail.com.

As always, feel free to contact any of your WCC executive committee with questions or suggestions.

Megan Nims, Chair
(Megan.Nims@pnnl.gov)

Susan Howett, Outreach Chair
(Susan.Howett@pnnl.gov)

Shirmir Branch, Mentoring Chair
(Shirmir.Branch@pnnl.gov)

Richland Section Women
Chemists Committee
(wcc.richland@gmail.com)

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SEEKING ACS NEWS CO-EDITOR

Here is your chance to be on the ground floor of all activities in the ACS Richland Section! The newsletter coeditor learns about all activities as they form and develop. As the newsletter co-editor, you get to help formulate the stories that go with the activities. Please consider donating your time toward this opportunity. No worries. Our editor will coach you until you are confident. Contact Steve Krogsrud at Steve_Krogs@hotmail.com for further details.

UPCOMING EVENTS

FEBRUARY 2

REGISTRATION OPENS FOR NORM2018

Richland, WA www.NORM2018.org

FEBRUARY 8

WCC KICK-OFF EVENT

Polka Dot Pottery, Kennewick, WA wcc.richland@gmail.com

FEBRUARY 23

LAST DAY TO VOTE ON RICHLAND SECTION BUDGET

Contact Sandy Fiskum sandenf@msn.com

MARCH 8

SCIENCE FAIR - SEEKING JUDGES

Columbia Center Mall www.midcolumbiasciencefair.org/judges-volunteer

MARCH 24

EXPANDING YOUR HORIZONS - GIRLS IN STEM

Columbia Basin College eyhtricity@gmail.com

APRIL 21

CELEBRATION FOR SCIENCE

John Day Plaza frances.smith@pnnl.gov

JUNE 24-27

NORM 2018

Richland, WA www.NORM2018.org

WCC KICK OFF EVENT



*Chair of the Women Chemists Committee,
Megan Nims*

We invite you to join the newly formed Richland Section Women Chemists Committee for our inaugural social event! Please meet us at Polka Dot Pottery (Columbia Center Mall) on Thursday, February 8th from 6 – 8 pm for a pottery painting party.

The WCC will provide snacks and drinks, as well as cover the cost of a pottery piece for you to paint (up to \$5). Come to connect with women in the chemical enterprise, while learning more about the events that the WCC has planned for this year. Please note that this event is open to all ACS members – women and men.

Please RSVP by **February 2nd** to wcc.richland@gmail.com.



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LEARN MORE ONLINE

<http://acs.labworks.org>

BUDGET VOTE 2.23.18