

SUMMER 2016



Congratulations to ACS Richland Section

The Richland Section to Host NORM 2018

The Richland Section presented a successful bid to the ACS Northwest Region Board June 26-29th in Anchorage, AK to host the Northwest Regional Meeting (NORM) June 24-27, 2018. The section was originally scheduled to host NORM 2019, but accelerated the bid by one year to fill a host vacancy.

The Richland section is currently planning and scheduling the meeting, working with the Tri-Cities Visitor Bureau on lodging and entertainment for an estimated 400 to 500 of our esteemed colleagues from the 13 Local Sections in the Region. NORM 2018 will be held on the campus of The Pacific Northwest National Laboratory (PNNL), more specifically at the new PNNL Collaboration Center (to be completed in 2017) and the new state of the art Walter Chlore Center at Washington State University Tri-Cities in Richland.

NORM 2018 is being organized by co-General Chairs Anna Cavinato and David Heldebrant, Programming Chairs Vanda Glezakou and Ram Devanathan, Treasurer Sandy Fiskum, Fund raiser Frannie Smith, Ops manager Janet Bryant, Exposition Chair Bernie Carlson, Website Manager Matt Monroe and PR chair Steve Krogsrud. Frannie Smith is Chair of the High School Teachers' program for NORM 2018. The Local Organizing Committee is seeking additional leaders for the Undergraduate Program, Fundraising, and other functions. Contact Anna and Dave to discuss opportunities.

We hope you can attend! As always, we welcome any help, ideas and volunteers. More updates on the meeting theme and technical program to come in the coming months.

Save the Date!

The Eastern Washington Section of the American Nuclear Society has invited us to join their annual Holiday Party at Tri-City Country Club on Saturday December 10. The cost is \$25/ticket. The event will feature music by Vicki and the Velvetones. Our Fall newsletter will have more details.

The Richland Local Section has been selected as a finalist for the following ChemLuminary Award(s).

- Outstanding NCW Event for a Specific Audience
- Outstanding Performance by a Local Section (Medium Size)
- Best Overall Local Section Minority Affairs
- Fostering Interactions between Local Sections and Student Chapters

Anna Cavinato will present the Section's poster at the Fall 2016 National Meeting in Philadelphia.



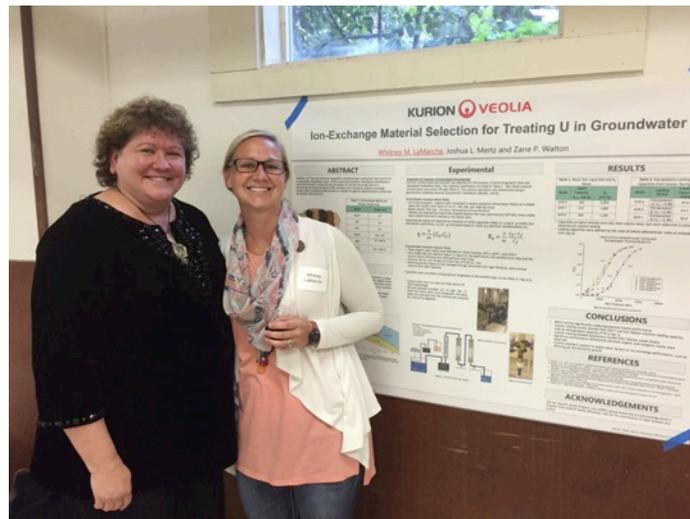
Pacific Northwest Women in Science Retreat

The fourth annual Pacific Northwest Women in Science Retreat was held July 8-10 at Camp Magruder in scenic Rockaway Beach, OR. The Retreat is modeled after the previously successful Puget Sound Women Chemists' Retreat, and was organized by a collaborative team of motivated graduate students and postdocs from the University of Washington, the University of Oregon, and Oregon State University, with major support from the American Chemical Society.

This year's Retreat reached over 75 female scientists from Washington, Oregon, California, Idaho, and Indiana across a variety of STEM fields, including physics, pharmacology, chemistry, biology, and neuroscience. Activities included a technical poster session, professional development workshops, career panel discussions, and networking opportunities for graduate, postdoctoral, and early-career women scientists with the goal of retaining and advancing women in STEM. The Retreat teaches a positive and proactive approach to the challenges commonly faced by women in science, specifically by connecting attendees to a close-knit network of colleagues and mentors, teaching strategies for negotiation, communication, and leadership, and by increasing awareness about factors that can influence women's career paths.

This year, two half-day workshops were offered, led by COACH on Effective Leadership Skills for Women, and by UW-Engage on Communication Science to Non-Scientists. An all-Retreat Sunday morning workshop was facilitated by Dr. Judith Giordan and Richland's own Janet Bryant, entitled, "Why Bragging is Good For Women." Three career panels were hosted, with 18 distinguished STEM leaders across academia, industry and alternative STEM careers.

The Retreat has been created as a "Conference-in-a-Box" by its creators and mentors, and is available to export to other ACS Local Sections and Regions. Please contact Janet Bryant janetlbryant@pnnl.gov for further information if your group wishes to host a future event.



Whitney LaMarche, a young chemist from Kurion Inc. pictured above, was selected by the Richland Section for a Registration Award to attend the 4th Annual Pacific Northwest Women in Science Retreat. Whitney states, "I am honored as an early career scientist, and returning graduate student to have been selected for this scholarship. The Performing Arts of Science Presentations (Nancy Houfek), and Addressing the Current State of Science Culture (University of Oregon Rehearsals for Life) workshops gave each of us an opportunity to interact in front of larger groups of people to assuage our fears and bring forth inner self-assurance when presenting. I was given a chance to hear other women's experiences in their journeys through graduate school, and the struggles they have overcome. They provided me with knowledge that I can apply to my path back to graduate school. As someone who has been working in the science field for the past three years, I felt that I could in return offer guidance about the work force and job seeking. Thank you again to the ACS Richland Section for supporting me in this remarkable opportunity! The award made possible by a mini-grant from ACS demonstrates the Section's commitment to retaining and advancing women in STEM fields.



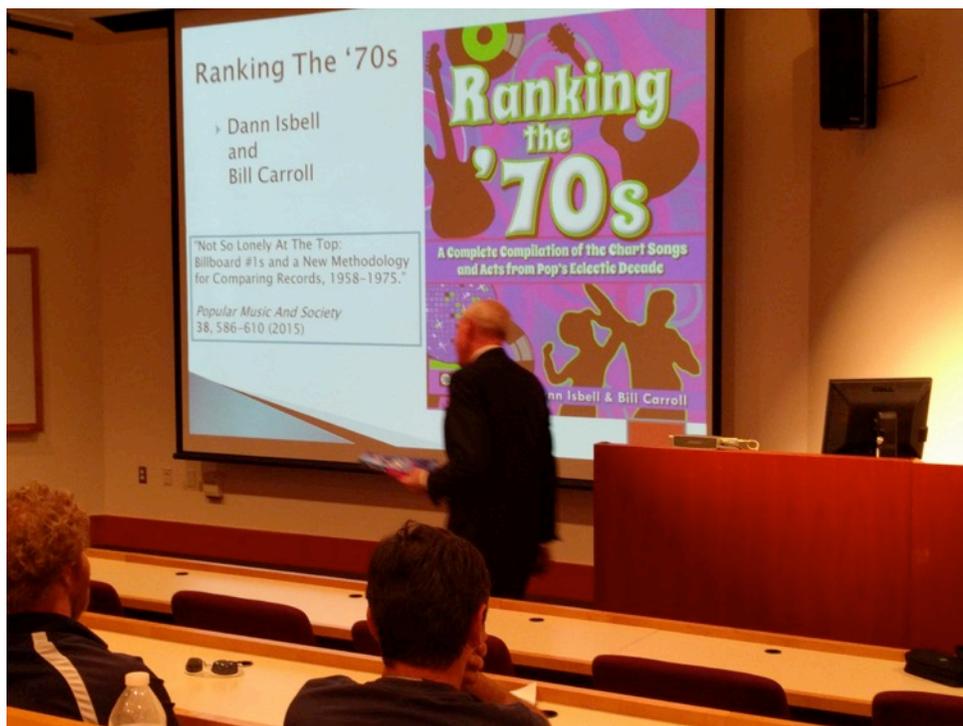
Public Talk and Workshops by Dr Bill Carroll

Our Section hosted two workshops and a public talk by Dr. William F. Carroll, Jr., Past-President and Past-Chair of the Board of Directors of the ACS in April. These events were held on the campus of Pacific Northwest National Laboratory in Richland and were well attended and appreciated by participants.

The first workshop entitled **'Career Pathways: Resume Construction'** reviewed the purpose, components and structure of a resume as well as an effective cover letter. Though targeted specifically for Graduate Students and Postdoctoral researchers, the workshop was also attended by early career researchers.

The second workshop entitled **'Career Pathways: Working in Industry'** focused on determining the fit between a job seeker and industry, identifying a job, and then making a successful application. Dr. Carroll discussed traditional laboratory positions and positions outside the lab where chemists have made a contribution to industry.

These workshops were followed by a delightful talk on **"Statistics and the Shirelles: How Physical Sciences Thinking Informs Popular Music Analytics."**



from the physical sciences in the analysis of popular music.

Dr. Carroll began by talking about the challenges of comparing things that had their heydays in different times—whether football teams, home run hitters, boxers or in this case songs. He then introduced the use of analytics in comparing the history on the Billboard charts of records that were popular between 1958 and 1989, including the methodology for creating the charts and how it varied with time. The highlight of the talk was an audio sampling of the 20 strongest charting records of those 32 years. It was quite insightful to hear about the use of data handling techniques

Great Time with Bill Carroll and Congratulations to Janet Bryant



Section members gathered at Venezia Ristorante in Richland on April 22 after Bill Carroll's public talk on music analytics to honor Janet Bryant for receiving the 2013 ACS Richland Section Chemist of the Year Award. ACS President Elect, Allison Campbell, attended the event and presented Janet with the Award. Janet is an ACS Fellow and a tireless volunteer for the American Chemical Society. She currently serves as the President of the NOR Board of the ACS Northwest Region, and has been the Richland Section Representative to the Board of Directors since 2007. She is a co-founder and elected Chair of the ACS Chemical Innovation and Entrepreneurship Council for 2012-2016, the grassroots organization supporting business-minded and entrepreneurial chemists. Her distinguished service also includes the ACS Committee on Committees.



Eastern Oregon University Earth Day events

The EOU Students Members celebrated Earth Day with a variety of activities throughout the months of April and May. On April 22 the Chapter conducted a campus outreach event for high school students from Hermiston, OR. This gave an opportunity to talk about Earth Day and how chemists are working to address sustainability issues on our planet. Students enjoyed a magic show and were provided with Chemist Celebrates Earth Day (CCED) brochures in English and Spanish to bring back to their school. On April 23 members joined the Friends of Ladd Marsh, a local volunteer group, for a clean-up day. Students helped collect trash from the local wildlife preservation area while providing a great service to help improve the environment.

On April 27 four members and two faculty traveled to Weiser, ID to perform magic shows at the elementary, middle, and high schools. EOU students created lots of excitement for over 200 participants who also learned about sustainability issues and how chemistry play a major role in keeping clean water and air and improving the food supply. CCED brochures were left with teachers as classroom resources for the children. Having one of the Weiser high school graduates as one of the student members made the trip really special!



On May 4 a large outreach was organized for approximately 60 Native American children at the Pendleton, OR middle school. Hands-on activities included color and pH based experiments to describe the acidic nature of carbon dioxide and multiple experiments using liquid nitrogen including making liquid nitrogen ice cream and freezing roses. At each station, we had children perform the experiments

and explained the science and chemistry behind what was happening. Once all the children had gone through the four stations, we ended the day with an exciting magic show. Again, CCED brochures were left with teachers for use in the classroom.

The final Earth Day related outreach event was conducted on May 11 at the Joseph (OR) high school. The club worked with 20 students in an AP Chemistry class providing demonstrations and a discussion of the chemistry behind. The event culminated with an interactive magic show where some of the high school students took part in executing the demos.

Overall, more than 400 children and local citizens were affected by the club activities. The club was proud to provide safe, educational opportunities to better understand the role that chemistry play in safeguarding our environment.



National Chemistry Olympiad

The Richland Section of the American Chemical Society (ACS) once again participated in the U.S. National Chemistry Olympiad (USNCO). 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. The top four students in the competition represent the United States in the International Chemistry Olympiad.



This year we had two outstanding chemistry students from Richland High School (Vincent Johnson and Dan Avila) sit for the USNCO national exam April 23, 2016. Both students did very well in the competition

We would like to thank the RJ Lee Group who sponsored the event at their Columbia Basin Analytical Laboratories (CBAL), on the CBC Pasco Campus.

How to Participate in the U.S. National Chemistry Olympiad

The U.S. National Chemistry Olympiad (USNCO) program is a chemistry competition for high school students. The purpose of the competition is to stimulate young people to achieve excellence in chemistry. The American Chemical Society has sponsored the program since 1984.

Local Chemistry Olympiad Competition

The local competition is open to all high school students. ACS Local Sections choose nominees for the national exam. Students can review **past Local Exams** to study for their local competition.

National Chemistry Olympiad Exam

The national exam involves three parts administered to more than 1,000 students. Students can use **past National Exams** to prepare. The 20 top-scoring students are chosen to attend a study camp where students are selected for the International competition.

Study Camp

The 20 top scoring students from the National Exam spend two weeks at a study camp to undergo rigorous training. Based on their performance, four students are chosen to **represent the U.S. at the International Chemistry Olympiad**.

Members Social

The Puget Sound, Portland, Oregon, Richland, Inland Northwest and Washington/Idaho Border sections of the American Chemical Society (ACS) came together to organize a picnic on June 11 at the Maryhill Museum in Eastern Washington. More than 20 chemists from the Pacific Northwest attended this event that included visits to the Maryhill Museum and wine tasting at the Maryhill Winery.



AIChE/ACS Picnic

Friday, August 5th, 5:00pm – 8:00pm, Greg Gauck's Place

551 Tanglewood Drive, Richland, 509-946-1281

Come Join us for FREE food, beverages, and fun!!!

Supplied: Hamburger, Hot Dogs, Vegetarian Burgers, Refreshments, Condiments, Plates, Utensils, Music

What to Bring: Appetite, Friends, Family, Salad or Desert, Insect Repellent, Sun Tan lotion, Chair.

Extra Things to Enjoy: Swimming in Yakima River, Bird Watching, Trail Walking

Please RSVP for food/ drink count to Abhi Karkamkar abhijk@gmail.com



Coming Soon

- + AIChE/ACS Joint Picnic August 5
- + Philadelphia National ACS Meeting Aug 21 - 25
- + Science Café
- + Winery Tour

Visit <http://acs.labworks.org/calendar.html>



Richland Section
America Chemical Society

[Recipient]

Address