

ACS RICHLAND SECTION AWARDED AT 2011 CHEMLUMINARY

OUTSTANDING CONTINUING PUBLIC RELATIONS PROGRAM OF A LOCAL SECTION

Presented by the Committee on Public Relations & Communications (CPRC)

The award is presented for the "Girls in Science" program, a hands-on investigation inviting more than 100 girls to use critical-thinking and interdisciplinary techniques to solve the question, "Is this an alien attack?"

ACS STUDENT CHAPTER INTERACTION AWARD

Presented by the Society Committee on Education (SOCED)

Nutrition was the focus when ACS student chapter members joined the Richland Section in offering a month-long program for talented and gifted students and Saturday Science to children from the Confederated Tribes of the U-ma-til-a.

OUTSTANDING KIDS AND CHEMISTRY AWARD

Presented by the Society Committee on Education (SOCED)

Members of the Richland Section provided a number of high quality programs exposing students to the wonder of chemistry. These included Girls in Science, Saturday Science and nutrition workshops for local students.

DIVERSITY AWARD

Presented by the Diversity & Inclusion Advisory Board (D&I)

The Richland section held "Saturday Science" at Blue Mountain Community College with 35 middle school students that included many Native Americans. Students conducted hands-on activities revolving around nutrition and closed the event with a magic show.

OUTSTANDING EVENT FOR A SPECIFIC AUDIENCE

Presented by the Committee on Community Activities (CCA)

Now in its 9th year, *Girls in Science* continues to draw a large crowd and is the crown jewel of NCW and Diversity and Inclusion activities for the Richland Section. With help from over 60 volunteers, the event served 100+ girls in grades 6-8.

MOST INNOVATIVE NEW ACTIVITY OR PROGRAM IN A LOCAL SECTION

Presented by the Committee on Local Section Activities (LSAC)

Richland Section student members and Eastern Oregon University faculty hosted a weekly group of talented and gifted students over one month exploring chemistry and nutrition relating to fats, proteins and carbohydrates as well as learning about nutritional labels. The program concluded with a poster of a macromolecule that presented their findings to classmates.

The 13th Annual ChemLuminary Awards celebration was held in conjunction with the ACS National Meeting in Denver, CO, on August 30, 2011. The Richland Section was a finalist for eight (out of 40 categories) and won six of the awards for work completed in 2010. Way to go! Anna Cavinato and Janet Bryant prepared a poster describing the Richland Section activities that was posted during the ACS meeting. Anna, Janet, Sam Bryan, and Richard Hermens attended the awards ceremony.

For additional information and to hear and view the excitement, visit the ACS website link at [13th Annual ChemLuminary Awards](http://acs.labworks.org/news/chemluminary2011.html)
<http://acs.labworks.org/news/chemluminary2011.html>



ACS Richland Section members pictured receiving one of the six of 40 ChemLuminary awards in Denver, Colorado with (from l to r) Lynn Hogue (Chair of CCA), Anna Cavinato, Janet Bryant, Sam Bryan, and Joe Francisco (ACS Immediate Past-President).



Activities Promote Section Involvement, Community Service & Diversity

Asanga Padmaperuma 2010 Section Chair

Student Member & Section Interactions KEY!



Science night at the La Grande Middle School

2010 was a very busy year for the 550-chemist Richland Section that spans parts of three states in the Pacific Northwest!

The Richland Section continued its multi-community outreach, with particular support to the next generation of scientists. We organized and participated in 10 different outreach activities for our members and the general public, supported students at two academic institutions to attend ACS national and regional meetings, and provided seminars well attended by the local public. We carried out all these activities while maintaining a fiscally responsible budget.

The impact of Richland's Women and Minorities Committee to reach women and minorities of all ages was far reaching in 2010. In April student members and chemistry faculty at Eastern Oregon University hosted every Monday afternoon a group of twenty-five fourth and fifth grade Talented and Gifted students from a local elementary school. The unit explored chemistry and nutrition and each week focused on a different subject related to fats, proteins and carbohydrates. Children learned about nutritional labels, measured fat content of chips, and tested many types of foods and drinks for presence of sugars and proteins.

"Girls in Science" continues to be our top NCW and D&I outreach event. Inspired by the NCW theme "Behind the Scenes with Chemistry!" and the popular techno-thriller novel by Michael Crichton "Andromeda Strain", the event engaged over 100 girls on the campus of Eastern Oregon University on October 22, 2010 in finding out whether the sudden death of a Halloween party guest was possibly due to an alien attack. In addition, we also hosted a "Saturday Science" day in Pendleton, OR for children from the nearby Confederated Tribes of the Umatilla Indian Reservation to teach about nutrition.

We supported one project SEED student at Eastern Oregon University, organized a nuclear science merit badge and a chemistry merit badge for scouts, we judges over 45 chemistry projects at the Mid Columbia Science Fair, and twelve of our members participated in many capacities in the DOE Regional Science Bowl that brought over 32 teams from Washington and Oregon high schools to compete.

Our membership was very active in all activities involving education and interaction with students, our 2 Student Member Groups from Eastern Oregon University & Columbia Basin College – with key activities throughout the year.

We published 4 successful newsletters and maintained and updated our website. We sponsored seminars & held our annual joint membership picnic with AIChE for membership celebration, collaboration and outreach.

Learning about nutrition at the "Saturday Science" Day in Pendleton, OR



Chemistry Merit Badge for Scout in Richland, WA

Working with Talented and Gifted (TAG)

4th and 5th graders



Is this an alien attack??

Girls in Science: An outreach program to encourage young women into STEM



Young investigators inspect radioactive plates.



Swab tests are conducted to identify presence of possible alien bacteria, fungi or molds.



Nuclear Science Merit Badge – 10th year of participation & Girl/Boy Scouts Science Badge events



EOU student Emily Bird with Richland Section member David Koppenaar at the San Francisco ACS National Meeting



NEWEST ACS FELLOWS JANET BRYANT & GREGG LUMETTA

Congratulations to new ACS Fellows Janet Bryant and Gregg Lumetta! The local section is very proud of Janet and Gregg who were nominated and confirmed as 2011 ACS fellows. They are among 213 scientists who were recognized at an induction ceremony on August 29th at the 242nd ACS National Meeting for outstanding accomplishments in chemistry and contributions to ACS.



Janet Bryant has had a 30-year multidisciplinary chemistry career at PNNL focused on integrative solutions to international science issues related to nuclear materials, their management and related regulatory and national security policies. For the past decade, she has played key roles in deployment, operational support and configuration management of sensor technologies for the Department of Homeland Security.

Bryant earned a master's degree with emphasis in Organizational Behavior from the University of Washington, and a bachelor's degree with honor in Chemistry from Elmhurst College in Illinois.



Gregg Lumetta has been responsible for planning and executing various applied and fundamental research projects related to radiochemical separations processes. Lumetta serves as a member of Technical Expert Group for DOE's Office of Environmental Management and is focus area lead for the Transuranic Recycle Technology Focus Area of the Sustainable Nuclear Power Initiative at PNNL. He also served as

PNNL technical lead for the Department of Homeland Security Threat Awareness and Characterization Thrust Area. Lumetta earned a doctorate degree in Inorganic Chemistry and a bachelor's degree in Chemistry from University of Missouri-St. Louis.

FALL CAREER FAIR

The Richland Section is planning a career fair in November for college and high school seniors. Planning is still continuing. The goal is to have contractors and their representatives share information to students on job opportunities and career pathways. Volunteers are needed, contact Aruna Arakali: aruna.arakali@urs.com. Check the ACS Richland website for details: <http://acs.labworks.org/>.

GIRLS IN SCIENCE

The tenth annual **Girls in Science** event is slated for the campus of Eastern Oregon University on **Saturday, October 22nd, 2012**. The topic this year is "Death by too much of a good thing?" and will involve investigations connected to the 2011 National Chemistry Week "Chemistry—Our Health, Our Future!". Contact Anna Cavinato for more information: acavinat@eou.edu.

IYC & 50 YEAR CELEBRATION

Mark your calendar for Friday November 18th, 2011 to celebrate the International Year of Chemistry (IYC) AND our 50-year members. We will also recognize the 2010 and 2011 ACS Fellows from our section: **Jean Futrell, Bruce Kay, Yong Wang, Janet Bryant, and Gregg Lumetta**. Time and location are being finalized. Check the Richland Section website <http://acs.labworks.org/> and your e-mail for updates.

SATURDAY SCIENCE IN ONTARIO

Join Anna Cavinato in Ontario, Oregon for Saturday Science for Kids on **November 12th**. Anna received an IYC education grant of \$750 to provide a Saturday Science project for a charter school in Ontario. The project is centered around the four IYC themes: **environment, health, materials, and energy**. Contact Anna Cavinato for more information: acavinat@eou.edu.

WATER QUALITY EXPLORATION

Five La Grande area teachers (grades 6 – 8) will work with the Richland Section to explore local area water quality. Anna Cavinato received a \$500 grant from the Division of Analytical Chemistry for the Water Quality Exploration Project. The Richland section will match \$200. The funds will be used to purchase monitoring kits for conducting simple water monitoring activities.

The teachers will be encouraged to post their results on the IYC website. This is an on-going activity beginning this fall and continuing into next year.

DIVERSITY LUNCHEON & SYMPOSIUM

Novella Bridges organized the Diversity Luncheon on Monday, June 27, 2011 at NORM 2011 in Portland, OR. The keynote speaker, **Joyce Harris, Director of Equity Programs for Education Northwest**, provided engaging and passionate tales of her efforts to provide training and technical assistance to K-12 public schools in the areas of race, gender and national origin equity.

The luncheon was followed by the symposium, "**A Chemist's Perspective: From Every Walk of Life in Tribute of the Stanley C. Israel Diversity Award**". Our own **Janet Bryant** provided data from an ongoing NSF project and an ACS Challenge Grant for IYC 2011 speaking to the topic, "Are women still underrepresented in science?".

Raychelle Burks (University of Washington) presented her views on "**Scientist is a social career**"; **Barbara Belmont** (NOGLSTP) shared her personal story of "**Marching to her own drum**"; and **Dennis Fantin** (CA Polytechnic State University) fascinated with "**Personal reflections on diversity in the chemical sciences**" showcasing tools for blind chemists.

We thank our sponsors: **ACS Department of Diversity Programs; ACS Division of Professional Relations (PROF); ACS Women Chemists of Color Initiative (NSF Grant #1027608);** and the **ACS National Women Chemists Committee**.

FUN AT ACS PICNIC

Fun times were had on July 15th at the beautiful Sacajawea State Park. ACS teamed with AICHe for fun, food, and entertainment. Approximately 50 to 75 people attended the picnic inclusive of children and spouses.

Food was great (hamburgers, hot dogs provided by AICHe) and ACS provided drinks, condiments, etc. Many attendees provided fruit and desserts to share.



Music was provided by a band of several chemical engineers and our own ACS emeritus member **Marvin Hyman**.

Don't miss next year's picnic—look for announcements starting in May 2012.

BYLAWS UPDATE

A committee was formed to update the local section bylaws. Let's thank **Sam Bryan, Richard Hermens, David Heldebrant, and Jann Frye** for stepping up to complete this job. Their draft update will be available this fall. Updates will include provisions for **electronic voting for officers** and **integration of student members** into the Richland Section.

IN MEMORIAM

Dr. Kotra Krishnamurty, 85, passed away in Pasco in December 2010. Dr. Krishnamurty was retired from U.S. Testing in Richland. Besides chemistry, he also had a passion for Indian classical music and Hindu scriptures. He had composed several songs and self-published his compilations on the subject. He was a 50-year ACS member.

AFFILIATE MEMBERSHIPS

Do you have friends or acquaintances that would enjoy receiving the **Section newsletter** or taking part in **Richland Section activities**, but for whatever reason don't want to join the National ACS? Then a *SECTION AFFILIATION membership* is for them!

Local Section Affiliates have almost the same rights and privileges as regular ACS members. However they cannot vote for elective positions, on articles of incorporation and bylaws, nor can they hold an elective position. The yearly cost for Richland Section affiliate membership is \$10.

Contact Anna Cavinato for more information: acavinat@eou.edu.

LEARN MORE ONLINE <http://acs.labworks.org>

11 COMING EVENTS

OCTOBER 22

Girls in Science

NOVEMBER 12

Saturday Science for Kids in Ontario

NOVEMBER 18

IYC and 50-Year Member Recognition Celebration

VISIT THE SECTION WEBSITE FOR
UP-TO-DATE CALENDAR ITEMS
& MORE INFORMATION

UPCOMING SECTION BOARD MEETINGS

All board meetings will meet at the rooms listed below at the WSU-TC CAMPUS:

OCTOBER 12 - CIC ROOM 223

NOVEMBER 9 - CIC ROOM 223

DECEMBER 14 - TWST ROOM 247

MEETING TIME: 6-7:30PM



<http://acs.labworks.org>

Richland Section American Chemical Society
Sandy Fiskum, *Editor*
Email: sandy.fiskum@pnl.gov