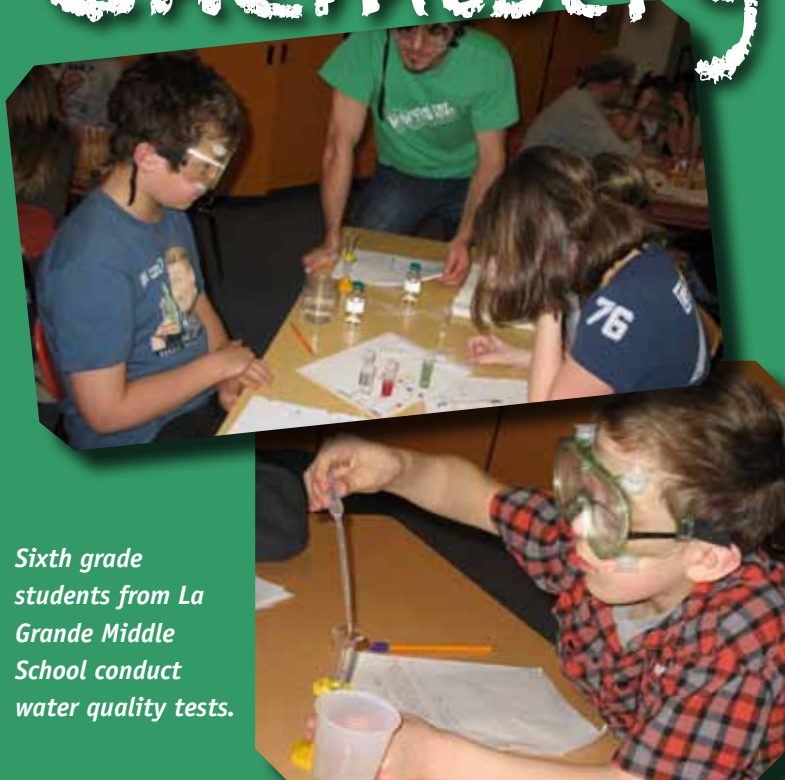


Kids & Chemistry



Sixth grade students from La Grande Middle School conduct water quality tests.

INSIDE: BUDGET PROPOSAL VOTE APRIL 27

CAREER FAIR
NORM AWARD NOMINATIONS
COMING EVENTS
DID YOU KNOW?

ACS AND YOU!

In his 1961 inaugural address, President John F. Kennedy posed the question: "Ask not what your country can do for you—ask what you can do for your country."

While this statement has profound meaning for countries and volunteer-based organizations alike, it is also worth asking, "What can ACS do for you?"

Some of you may be wondering, what is the role of the "local sections" within ACS? What can local section (or program / division) involvement offer you in terms of career development? Volunteer opportunities? Or, networking beyond your immediate institution?

Dave Heldebrant (Chair) and Frannie Skomurski (Chair elect) will kick-off an informational campaign throughout our 500+ member chapter to answer these very questions, starting in April. Refreshments will be provided, thanks to an ACS Nano-Grant in support of local section member retention.

The first session will be held at the Pacific Northwest National Laboratory on Friday, April 27, 2012, in the Environmental Molecular Science Laboratory (EMSL), Room 1077 from noon to 1 p.m. (publicly accessible).

To host a similar event at your own institution, for example, a pizza party lunch and PowerPoint presentation, contact Dave (David.Heldebrant@pnnl.gov) or Frannie (Frances.Skomurski@pnnl.gov) for more information and resources.

The goal? To share information on what ACS can do for you as a member.

RICHLAND SECTION | 12 budget proposal

The proposed 2012 budget is shown in the following table. 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 at **12p.m. on April 27 at the Environmental Molecular Sciences Laboratory, Room 1077, Pacific Northwest National Laboratory** and in conjunction with the ACS and You meeting.

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Budget
REVENUES					
(1) Annual ACS Allotment	\$7,825	\$7,400	\$7,577	\$7,995	\$8,175
(2) New member commissions	\$15	\$75	\$15	\$0	\$0
(3a) Donations, contributions	\$0	\$0	\$0	\$100	\$0
b) Bequests and/or trusts	\$0	\$0	\$0	\$0	\$0
(4a) Rebate from ACS for Councilor travel expenses	\$1,932	\$1,994	\$1,010	\$2,086	\$2,110
b) Rebate from ACS for leadership conference		\$300	\$300	\$300	\$300
(5a) Program revenue (includes newsletters, short courses, lecture series, national or regional meetings, etc.)	\$8,919	\$0	\$0	\$0	\$0
b) Leadership Development System		\$0	\$3,000	\$0	\$0
(6) Local section dues, affiliate dues	\$1,595	\$1,655	\$1,673	\$1,755	\$1,600
(7) Interest, dividends	\$137	\$36	\$48	\$0	\$0
a) Checking interest (Banner)	\$5	\$8	\$10	\$7	\$0
b) Savings interest (Banner)	\$132	\$28	\$38	\$110	\$0
c) ACS Investment Pool	\$0	\$0	\$43	\$0	\$0
(8) Special events and activities	\$2,135	\$0	\$0	\$0	\$0
(9) Meals (include total meals in revenue)	\$0	\$0	\$0	\$0	\$0
(10) Other revenue (describe and itemize)	\$0	\$0	\$300	\$0	\$0
a) Reserved funds (Science cafes)*		\$0		\$0	\$0
Science cafes (New Grant)			\$300	\$300	\$678
b) Reserved Funds (student support ACS meetings)*		\$0	\$0	\$0	\$0
c) Reserved Funds (Leadership Development System, 2010 carryover)			\$0	\$0	\$3,000
d) Reserved Funds (Career Fair grant)*			\$250	\$0	\$250
e) Reserved Funds (Earth day)					\$100
f) URS Corporation (Nuclear science merit badge)					\$500
(11) TOTAL REVENUES	\$22,557	\$11,460	\$14,215	\$12,653	\$16,713
EXPENSES					
(12) Subsidies to subsections, topical groups, or affiliate groups	\$3,100	\$1,500	\$2,509		
a) Travel subsidies for ACS student members	\$2,300	\$1,500	\$1,500	\$0	\$0
b) 2-year colleges	\$800	\$0	\$1,009	\$1,063	\$0
(13) Awards, scholarships, grants, etc.	\$0	\$0	\$0	\$0	\$0
a) Travel awards for ACS student members	\$0	\$0	\$0	\$2,000	\$1,500
b) HS Teacher Grants	\$0	\$0	\$0	\$0	\$0
c) Outstanding Teacher Award			\$0	\$0	\$0
d) General Awards					\$75
(14) Administrative expenses (including postage, printing, and shipping)	\$426	\$0	\$81	\$0	\$200
(15) Printing, publications, newsletters, meeting announcements, postage	\$1,139	\$1,902	\$1,056		
a) Newsletter	\$803	\$1,566	\$720	\$951	\$1,200
b) Public relations	\$336	\$336	\$336	\$346	\$400
c) Web update			\$0	\$0	\$0
(16) Local Meetings (include speakers' expenses)	\$7,414	\$3,107	\$1,690		
a) Speakers	\$1,519	\$2,588	\$1,403	\$403	\$400
b) ACS Picnic	\$64	\$243	\$88	\$404	\$300
c) ACS Annual social	\$0	\$76	\$0	\$350	\$350
d) Post-NORM celebration	\$0	\$0	\$0	\$0	\$0
e) Science Cafes	\$615	\$200	\$200	\$137	\$678
Leadership Development System	\$5,831	\$0	\$0	\$0	\$3,000
(17) Meals	\$0	\$0	\$0	\$0	\$0
a) Arrangements	\$0	\$0	\$0	\$0	\$0
(18) Travel subsidies to Councilors	\$4,284	\$4,190	\$2,044	\$3,921	\$4,000
(19) Travel subsidy and fee for Local Section Leadership Conference	\$275	\$765	\$860	\$716	\$1,300
(20) Other expenses (describe and itemize)	\$2,498	\$1,563	\$1,463		
a) Regional Meeting (NORM) CC Event	\$0	\$0	\$0	\$0	\$0
b) TCTC Dues	\$0	\$0	\$0	\$0	\$0
c) NCW, K-12 outreach	\$907	\$350	\$263	\$362	\$500
d) Olympiad	\$0	\$0	\$0	\$0	\$200
e) Science Fair and award	\$400	\$374	\$350	\$300	\$400
f) HS Teacher Endowment Fund	\$0	\$0	\$0	\$0	\$0
g) Mini-Symposium	\$0	\$0	\$0	\$0	\$0
h) Women and Minority Affairs Cmte	\$500	\$500	\$500	\$500	\$500
i) Boy Scouts Nuclear Science Merit Badge	\$50	\$0	\$50	\$50	\$550
j) Earth Day	\$441	\$250	\$100	\$0	\$250
k) Project SEED	\$200	\$0	\$200	\$200	\$900
l) IYC Events			\$0	\$703	\$0
m) Other expenses		\$89	\$0	\$0	\$0
(21) TOTAL EXPENSES	\$19,135	\$13,028	\$9,703	\$12,406	\$16,703
(22) EXCESS (DEFICIT)	\$3,423	(\$1,567)	\$4,512	\$247	\$10

* Reserved fund is not new revenue, but monies at hand committed for these activities

NORM 2012

NORM 2012 IS COMING UP!

The 2012 Northwest Regional Meeting (NORM) of the ACS will be co-located with the 2012 American Association for the Advancement of Science Pacific Division Meeting (2012 AAAS-PD). The co-located meetings will be held in Boise, Idaho at the Boise Centre on the Grove on June 24-27, 2012. Abstract submission deadline is April 18. More information can be found at:

<http://snakeriveracs.com/norm2012.html>

AWARD NOMINATIONS ARE DUE MAY 1

Several awards will be presented at NORM 2012 and nominations are now being accepted. The deadline for nominations is May 1, 2012.

For more details and for nomination forms, click the link below:

<http://snakeriveracs.com/Norm%202012/awards.html>

The E. Ann Nalley Award for volunteer service in the American Chemical Society

To recognize the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their Regional Activities.

The Award for Excellence in High School Teaching of the ACS Division of Chemical Education Northwest Region

To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the Northwest Region.

CONTACTS

[Karen Hammond](#)

NORM 2012 Awards Chair
khammond@boisestate.edu

[Janet Bryant](#)

NOR Board Awards Chair
janetlbryant@pnnl.gov

WHAT CAN A 6TH GRADER TELL YOU ABOUT WATER QUALITY?



**6th Grade Students
Conduct Water
Quality Tests in
La Grande**

Is it acidic? How much fertilizer (phosphates and nitrates) might be present? Is it safe to drink? Students from two 6th grade classes from the La Grande Middle School tested local water sources for a variety of pollutants. This activity was the first of a series of events to promote the ACS Global Water Experiment and generate enthusiasm for chemistry among young people. It was held at the La Grande Middle School on February 23-24, 2012. The students

conducted water testing using the LaMotte GREEN Water Quality Monitoring Kits (see results at <http://water.chemistry2011.org/web/iyc>). ACS Richland Section's Anna Cavinato and sixteen ACS student members from Eastern Oregon University (EOU) helped lead the student activities in the classroom. Each 6th grade teacher received two LaMotte kits each containing 10 tests for nitrates, phosphates, pH, dissolved oxygen, and coliform bacteria. Students had the opportunity

to test water samples from a local pond, a well, and La Grande tap water. At the end of the activities, students constructed a table summarizing the results and were asked to determine the quality of water based on guidelines provided in the kit. This event was supported by a grant from the ACS Division of Analytical Chemistry, the ACS Richland Section, and Eastern Oregon University. Contact Anna for more information at acavinat@eou.edu.

EOU: OUTSTANDING STUDENT CHAPTER AWARD



EOU Students with Dr. Anna Cavinato in San Diego.

Nineteen ACS student members from Eastern Oregon University (EOU) attended the 243rd National ACS meeting held this past March in San Diego. They presented eight research posters, participated in the Chem Demo exchange and received an Outstanding Student Chapter Award for their activities during the 2010-2011 academic year. The award recognizes many achievements, ranging from community outreach to professional networking and engagement in undergraduate research. They were one of 36 student chapters to receive an outstanding award out of the 1,022 student chapters in the nation! A big thank you goes to the Richland Section for providing \$1,500 in support of students' travel.

CAREER FAIR

The Richland Section of American Chemical Society will be hosting a Career Fair on Friday, October 19, 2012 at 5:30 p.m. to 8:30 p.m. The purpose of this Career Fair is to provide a forum for college and high school students to learn about the jobs and future workforce in the Tri-Cities and surrounding area. The event will include representatives from various companies and academia who will provide information on available resources and tools. The Career Fair relates to internship and educational qualification

requirements for jobs in the fields of chemistry, science/engineering, and technology. Profs. Karen Grant and Anna Cavinato will contact campuses in the area to encourage students to attend the Career Fair and learn about job descriptions and opportunities. Refreshments will be provided. More details and additional information will be provided on the local section website and next newsletter. We are looking for volunteers to help with this event. If you are interested, please contact Aruna Arakali at (509) 371-5297.

EARTH DAY

The Richland Section is pleased to promote Earth Day and Earth Month activities! See <http://www.earthmonthmc.org/> for the very busy schedule of the greater Mid-Columbia activities. The two-page calendar shows the host of opportunities to be involved. We are pleased to provide the ACS publication, *Celebrating Chemistry* to our partners. Look for it in your local library or at the City of Richland Community Center. See Chemists Celebrate Earth Day at www.acs.org and to explore this year's theme, "Rethinking Recycling: It's Easy to Be Green."

2012 ACS LEADERSHIP CONFERENCE

On January 20-22, four Richland Section ACS members participated in the 2012 ACS Leadership Institute in Ft. Worth, Texas. While January is high time to catch some heart-pounding rodeo action in the Lone Star State, Dave Heldebrant (Chair), Frannie Skomurski (Chair-Elect), Janet Bryant (Member of Committee on Committees), and Jenifer Braley (Program Chair, Division of Nuclear Chemistry and Technology) were busy strengthening their skills for “steering” large committees, “wrangling” volunteers, and “spurring” network connections between local ACS chapters as well as professional divisions.

When asked to reflect on the whole conference experience, Jenifer Braley said that she benefited most from interfacing with ACS governance to be more effective in her role as program chair – learning who to talk to in order to get things done. The most inspiring aspect to Dave Heldebrant was meeting ACS staff and officers and “seeing that their level of commitment and dedication to the ACS and community is the same at the national levels as we have at the local section levels.” Finally, Janet Bryant highlighted that the conference “is a chance to connect with those new to ACS leadership and share best practices and some fun.”

The high-quality leadership courses offered at this conference aid in ACS member career development and can be sought out by anyone on-line or at national meetings. To improve the overall



An impromptu gathering of Leadership Institute attendees who happened to be wearing purple, including Young Leaders (purple ribbons), to catalyze group mixing. Photo courtesy of Janet Bryant.

functioning of ACS as a whole, these courses are offered free to elected and volunteer leaders within the organization, including student leaders. For more information, click on the link below: <http://www.acs.org> and then click on CAREERS>Leadership Development Courses>Full Course Descriptions.

Questions? Contact your local members who attended: david.heldebrandt@pnnl.gov; frances.skomurski@pnnl.gov; janetlbryant@pnnl.gov; and jenifer.braley@pnnl.gov. Stay tuned for leadership-development opportunities coming to the Local Richland Section as part of an ACS grant.

LOCAL CHEMISTRY STUDENTS GEAR UP FOR NATIONAL COMPETITION

Local students are trying out for the U.S. National Chemistry Olympiad designed to stimulate and promote achievement in high school chemistry. This process starts when the student takes a test of 60 multiple-choice questions representing a fairly wide range of difficulty, in parallel with other students from participating high schools in the country.

Two students have been selected (one from Southridge and one from Richland High Schools) to proceed to the national competition. Student selection for participation at the national exam level is based on scores in the local competition. All participating students were awarded a certificate by the Richland Section ACS.

The National Chemistry Olympiad consists of a three-part, 4.5-hour national exam includes multiple-choice questions, problem solving and a laboratory practical. Testing will be conducted April 21. The local and national contests are administered by the American Chemical Society (ACS) annually. Cary Seidel from the Richland Section organized the local testing events.

The top 20 students from the national competition are then invited to a two-week intensive study camp held in June at the U.S. Air Force Academy in Colorado Springs, CO. At the camp's conclusion, the “final four” students are chosen to represent the United States at the International Chemistry Olympiad, where they compete with the

world's most talented high school students for gold, silver and bronze medals.

This year the United States will host the International Chemistry Olympiad, to be held July 21-30, 2012, at the University of Maryland, College Park. At the international competition, students are tested on their chemistry knowledge and skills in a five-hour laboratory practical and five-hour written theoretical examination.

If you know of a student who is interested in doing this next year, have them contact Cary Seidel at cary.seidel@frontier.com or a local Richland Section ACS member.

SCIENCE ON DISPLAY AT COLUMBIA CENTER MALL

The ACS Richland Section donated \$300 to co-sponsor the 2012 Mid-Columbia Science Fair. Twenty ACS members volunteered their time on March 8 to judge the exhibits. The presentations by the students were great and the science projects were very creative. Our members were happy to speak with all of the participants and encourage them to pursue a career in science or engineering. In addition to judging the students from all age groups and disciplines, our ACS members also voted to recognize the most

outstanding Chemistry project from both the middle school and high school brackets. The winning Chemistry project recipients were **Lisa Bratton** and **Dan Avila**. Both students were awarded a **\$50 cash prize** and a **certificate** from the ACS Richland section acknowledging their **outstanding scientific achievements**. The cash prizes and certificates were given at the awards ceremony on March 10 by David Heldebrant, ACS Richland Section Chair.

NUCLEAR SCIENCE MERIT BADGE TRAINING CREATES BUDDING SCIENTISTS

Detectors clicked rapidly as scouts examined Fiesta Ware, thoriated camera lenses, monazite sand, and more. They huddled in the dark over cloud chambers containing pieces of uranium ore or thorium lantern mantles to watch the contrails of left in the wakes of beta and alpha emissions.

Scouts' attentions were captivated once again during the annual Nuclear Science merit badge training held March 3 and 10 at the WSU Tri-Cities campus. A total of 28 students/scouts representing 14 local and regional troops (La Grande, Joseph, and Hermiston, Ellensburg, Walla Walla and the greater Tri-Cities area) attended the 2-day training session.

The scouts/students demonstrated knowledge of 12 different requirements delineated in the Nuclear Science merit badge booklet. Ten instructors helped the students earn each requirement in creative, fun, and interactive ways during a series of round robin activities.

ACS Richland Section's own Frannie Skomurski, with Stephanie Doll, created a fun Quiz Bowl for scouts to demonstrate fluency with Nuclear Science terminology—buzzers and all! As a finale, the students/scouts toured Areva; how many teens can boast that they have seen fuel rod assemblies!

"Danann said she especially enjoyed the cloud chamber, the Areva tour, and the quiz bowl. She said she didn't have any suggestions for improvements so you must have done a lot of things right!"

This training is an annual event coordinated by ACS Richland Section's Sandy Fiskum (sandenf@msn.com or 628-1424). There are 14 scouts on the wait-list for next year! Look for announcements through the scout office, fliers, or your scout master late January.

The training is co-sponsored by the Columbia Chapter of the Health Physics Society, the Richland Section American Chemical Society, the Eastern Washington Section of the American Nuclear Society, Yakima Valley/Tri-Cities Mathematics Engineering Science Achievement (MESA), Columbia River Exhibition on History, Science, and Technology (CREHST), and Areva.



DID YOU KNOW?

If you missed seeing *Hunting the Elements*, a PBS broadcast that aired of 4/4/12, you can still catch it on line. This presentation provides an interesting and fun approach to the chemistry of many elements on the periodic table.

David Poague's explorations take you on many journeys such as how much gold is in them thar hills? why do bombs go boom? what elements act like kryptonite to sharks and why? and many more.

David interviews several chemists from national laboratories—perhaps you have met some of them yourself. The video provides an excellent forum to excite youth about the amazing world of chemistry.

HUNTING THE ELEMENTS

with David Poague

WATCH IT ONLINE!

<http://www.pbs.org/wgbh/nova/physics/hunting-elements.html>

12 COMING EVENTS

SECOND WEDNESDAY OF EVERY MONTH

Standing Board Meeting—All are welcome to attend.
WSU Tri-Cities (Room 247 West -Jun/Jul/Aug/Dec;
and CIC 223 -Sep/Oct/Nov), 6 - 7:30 p.m.

APRIL 27

ACS & YOU, EMSL 1077 AT 12PM

MAY 9

BOARD MEETING, TWST 247 AT 6PM

JUNE Annual Member Picnic

JUNE 13

BOARD MEETING, TWST 247 AT 6PM

JUNE 24-27

NORM 2012 - 5th Anniversary of Snake River Section
Boise, Idaho

JULY 11

BOARD MEETING, TWST 247 AT 6PM

AUGUST 8

BOARD MEETING, TWST 247 AT 6PM

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

<http://acs.labworks.org>

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



WHO IS THE RICHLAND SECTION ACS?

Our Richland Section covers a large geographic area (shown in green in the map, section 131) covering eight counties in southeastern Washington and northeastern Oregon. We are 546 members strong and are considered by the national ACS organization to be a medium-sized section. We enjoy very active participation in the Tri-Cities and La Grande areas—but as you can see, this represents a small geographical section, compared to some – such as the entire State of Colorado. We are always looking to expand section involvement!

