

American Chemical Society

RICHLAND SECTION

winter 2002

Perspectives of Chemistry at Hanford Series

December 10, 2002
5:30 p.m. – 7:30 p.m.
CREHST Museum



Richland Section members and guests at the October "Perspectives" meeting.

The fourth and final presentation on the pioneering chemistry done and being done at Hanford will be held on December 10, from 5:30 to 7:30 pm, at the CREHST Museum located at 95 Lee Blvd, Richland. The first two sessions, held last April and May, highlighted plutonium separation. The third session covered radionuclide binding and chemistry in Hanford soils. The final session focuses on the current site clean up. Poster sessions will be presented on:

"Thermal and Radiolytic Gas Generation in Hanford High-Level Waste Tanks"

Sam Bryan

"K Basin Sludge Chemistry/Reactivity"

Calvin Delegard

"S-112 Saltcake Dissolution Chemistry"

Dan Herting

"Analysis of High-Level Sodium in Processed Nuclear Wastes Using Cf-252 Neutron Activation"

Gary Troyer

"Data Quality Management at Hanford"

Mitzi Miller

In addition to the poster sessions, the Richland section is taking this opportunity to honor the previous presenters and everyone who volunteered to help with a local section activity during the past year. A wine and cheese buffet will be provided for attendees. There is no charge for this activity. Hope to see you there!

50-Year members Richard Brandt, Bruce Griggs, and Edwin McClanahan honored at the May "Perspectives" meeting. 50-year member William Matsumoto is not pictured.



Regional Meeting (NORM)

The management of the Northwest Regional Meeting (NORM) has now been officially incorporated as the Northwest Region of the American Chemical Society. Tim Hubler has been elected to serve a 3-year term as President. The other elected officers are Professor Kevin Gable (Secretary, Oregon State University) and Professor David Munch (Treasurer, Seattle Central Community College).

The next Northwest Regional Meeting (NORM '03) will be held in Bozeman, Montana on June 12-14, 2003. The program will consist of the following topics:

Symposia/Chairs

Natural Products- Andrea Stierle, Montana Tech
Bioinorganic- Ed Rosenberg, U. Montana
Acid Mine Waste- Doug Cameron, Montana Tech
Chemical Ed, High School topics- Steve Holmgren, Montana State
Microscale Analytical, Chris Palmer, U. Montana
BioPhysical Chemistry, Sandy Ross, U. Montana
Nuclear Site Waste Chemistry and Remediation,
Sam Bryan and Jim Campbell, Pacific NW National Lab

General Session/Chairs

Organic- Mary Cloninger, Montana State U.
Analytical- Jon Sunner, Montana State U.
Biochemistry- Brenda Spangler, Montana State U.
Physical- Dick Field, U. Montana
Inorganic/Organometallic- Tim Hubler, Pacific NW National Lab
Undergraduate - Steve Holmgren, Montana State U.

A call for papers will be issued soon, probably in the form of email correspondence. For more information, or if you're interested in submitting a paper for this meeting, please contact the Program Co-Chairs for NORM '03 or the organizers for the various sessions:

Prof. Ed Rosenberg
University of Montana
Dept. of Chemistry
Missoula, MT 59812
406-243-2592; (Fax) 406-243-4227
rosen@selway.umt.edu

Prof. Don Stierle
Montana Tech - UM
Dept. of Chemistry and Geochemistry
1300 West Park St., Butte, MT 59701-8997
406-496-4117, (fax) 406-496-4135
dstierle@mtech.edu.

Upcoming NORMs will be planned for the following locations.

2004	Logan, Utah	Joint with Rocky Mountain RM
2005	Fairbanks, Alaska	
2006	Reno, Nevada	
2007	Honolulu, Hawaii	(tentative)

Please contact Tim Hubler; (509) 373-0249 or tim.hubler@pnl.gov for additional information.

Now Online

CAS and ACS publications divisions will make early twentieth century research available online.

Chemical Abstracts records from the early twentieth century will be linked to the ACS Journals Archive, permitting researchers to identify articles of interest in ACS journals back to the first issue of CA in 1907, then link to the full-text articles from ACS. The combined power of these two massive resources will boost their value for researchers, who have eagerly sought the enhancement.

In effect, two complementary ACS projects have been brought together to provide scientists the benefit of advanced information retrieval with the availability of a vast electronic collection of original journal literature. For more information, call (614) 447-3731 or email help@cas.org.

Jeopardy Question

Jeopardy Question #1:

What is ChemResearchNews?

(ChemResearchNews can be found at the bottom of the ACS homepage, <http://www.chemistry.org>)

TC Technical Council

Tri-Cities Technical Council (TCTC) is composed of representatives from local chapters of science and engineering societies. The ACS Richland Section is entitled to two representatives to the TCTC. There is currently an opportunity for a member of ACS to join TCTC and take an active part as an officer or committee chair. Anyone interested in this opportunity should contact Dennis Wester; (509) 376-7195 or dennis.wester@pnl.gov.

Jeopardy Answer

Jeopardy Answer #1:

This feature is a gateway to thousands of handpicked science news highlights, research summaries, special reports, and information resources on the Web grouped by science area (e.g. physical & chemical, engineering, earth & space, biological, and health science) that are updated daily.

Richland ACS Outreach



“The objects of the Section shall be the encouragement and advancement of chemistry in the broadest manner possible, the increase and dissemination of chemical knowledge”

So starts the mission statement for the Richland Section as stated in our bylaws. We certainly did our part to encourage chemistry, especially in youth, during the recent **National Chemistry Week, October 20-26**. As the names of all the people who worked to make these projects happen would fill up this page, we will not try to list them, but use the space instead to show you what they did. We hope you will join us in honoring them at the “Perspectives” meeting on December 10.



Jeff Woodford, assistant professor of chemistry at Eastern Oregon University and section coordinator for NCW, demonstrates viscosity of a cornstarch/water mixture at Family-a-Fair. Over 31 members worked to put on our section's chemistry display at this yearly community event. An estimated 12,000 people attended over the two day period.



Richland Section member and scoutmaster Al Kruger assists three boy scouts in analyzing a food sample for proteins. Over 11 section members put on a two morning workshop which helped 24 scouts meet the requirements for award of the Chemistry Merit Badge.

Girls in Science Day

at Eastern Oregon University



Ninety-one middle-school girls from throughout Northeastern Oregon attended Girls in Science day at Eastern Oregon University, La Grande, OR on Saturday November 2, 2002. The event was organized by over 60 volunteers, including EOU faculty, staff and students and community members. The event was supported in part by the Richland Section Committee for Minority Affairs with a donation of \$500 and with participation from ACS students and faculty members.

The girls worked together in teams, collecting and chemically analyzing evidence from a mock crime scene. Prior to the investigation, they were presented with the crime scenario and introduced to four suspects portrayed by EOU theater students. At the end of the day each team presented their solution to the case in front of a judge. The event was met with great enthusiasm by all participants and was overall a great success. More pictures of the day's activities can be found at <http://www2.eou.edu/psych/mb/science2photos.htm>

One outreach activity not shown is our visit to local high school chemistry classes. Nine members visited chemistry classes at Southridge H.S. Event organizer James Campbell reports that the visits were a big hit with the students and very rewarding for our section's participants.

Hail & Farewell

We would like to welcome the following new members of the Richland Section: **Matthew Edwards, Mark Van Den Hende, Robert Wegeng, Matthew Monroe, Jason Page, Weijun Qian,** and **Stephanie Tedrow**. We look forward to seeing each of you at future Richland Section functions.

We wish departing members **Robert Harrison, Jeffrey Nichols, Robert Shroll,** and **Hai Feng Zhang** the best of luck in their future endeavors.

Member Benefit

ACS Expeditions, sponsored by Betchart Expeditions is a recent addition to member benefits. ACS Expeditions offers great trips and learning experiences for the intelligent traveler. ACS co-sponsorship with Betchart offers something very few travel programs can: trips to exotic places led by knowledgeable experts-naturalists, archeologist, or anthropologists - who can provide you with insights into your experiences.

Betchart Expeditions has been leading vacationers to the less-traveled parts of the world for two decades. For a detailed brochure and more information, contact ACS/Betchart Expeditions at 1-800-252-4910 or 1-408-252-4910.

Coming Events

December 10

Final "Perspectives" session at the CREHST, Uitrification Feed; Volunteer Reception

December 25

We on the newsletter staff want to wish all our section members and their families a very happy holiday season!

Note: The deadline date of all nominations for ACS national awards is February 1. A list of awards, as well as the application process, is available at the ACS website, www.chemistry.org.

Richland Section
Home Page

www.pnl.gov/acs/



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Point To Ponder

Some people are always grumbling because roses have thorns. I am thankful thorns have roses. —Alphonse Karr