

Speaker: Dr. Kenneth Kolb

Topic: Glass: Its Many Facets

Date/Time: September 15, 2004,
4:30 p.m.

Place: Battelle's EMSL Auditorium

Glass: Its Many Facets

Talk to Focus on Chemistry, History, and Art Aspects of Glass

This fall's schedule of Section events leads off on September 15, 2004, with a talk by Dr. Kenneth Kolb entitled "Glass: Its Many Facets." The talk will be held at 4:30 PM at Battelle's EMSL auditorium. The location of the auditorium may be found at <http://www.emsl.pnl.gov/images/airportmap1.gif>

About the talk: Glass is a material that is as old as civilization and yet as modern as fiber optics. We use a great variety of glass products both in our everyday lives and in the field of chemistry. But for most of us, the nature and chemistry of glass tend to remain obscure. Using a historic approach, this talk will focus on the basic chemistry of glass and the methods used to form it into useful objects. A half dozen major glass families will be examined, and their unique and useful properties will be related to their chemical composition and treatment. Several demonstrations will be used to show some of the special properties of glass. The presentation will touch on some of the interesting and puzzling aspects of glass that have been observed over the past 5000 years.

continued on page 2

Fall Double-Feature



Speaker: Dr. John Fortman

Topic: Demonstrations of
Everyday Applications of Chemistry

Date/Time: October 19, 2004,
7:30 p.m.

Place: Badgley Hall, Eastern
Oregon University, LaGrande, OR

Demonstrations of Everyday Applications of Chemistry

Chemistry can be seen all around us – if we look

Dr. Fortman's talk entitled "Demonstrations of Everyday Applications of Chemistry" will be held on October 19, 2004 at 7:30 PM at Badgley Hall on the campus of Eastern Oregon University in LaGrande, OR. A map of the campus may be found at http://www.eou.edu/pdf/Campus_Map_04.pdf

About the Talk: Live and videotaped chemical demonstrations will be used to illustrate the science behind many useful materials in everyday life. Various demonstrations relate to such things as metals, building materials, soaps and detergents, fuels and combustion, antifreeze, batteries and electronics, electricity and light, air pressure and valves, rubber, foam plastics, heat shrink plastics, foods, medicines, hot packs, cold packs, superabsorbent diapers, carbonated beverages, and weather prediction.

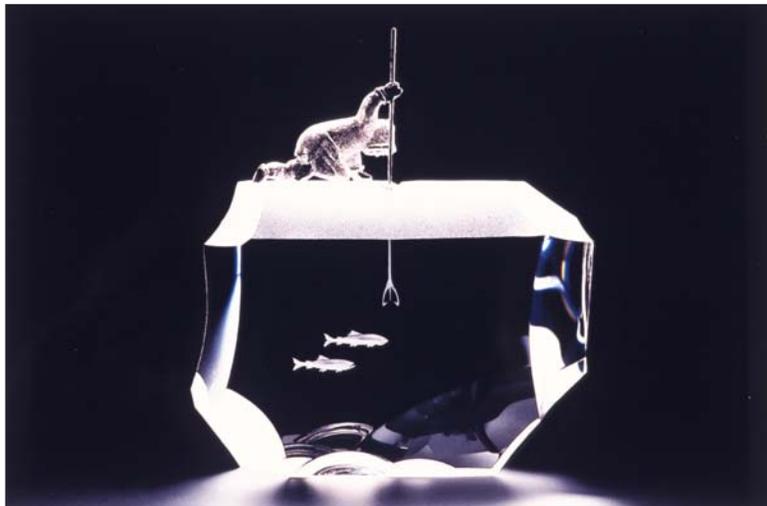
About the Speaker: John Fortman is Professor Emeritus of Chemistry at Wright State University where he retired in 2001 after 36 years of teaching freshman and inorganic chemistry. In 1998

continued on page 2

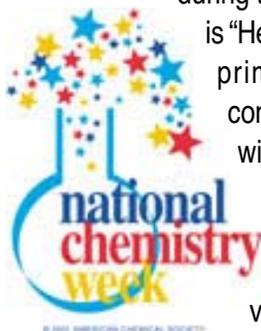
About the speaker: Kenneth E. Kolb, professor of chemistry (chair 1967-1989) at Bradley University, Peoria, IL, received his B.S. in chemistry from the University of Louisville and a Ph.D. in organic chemistry from the Ohio State University. For five years he was a research chemist at AMOCO in Chicago and then a research associate for seven years at Corning Glass in Corning, NY. He joined Bradley University in 1965. He also was a visiting professor in 1981, 1984 and 1987 at the University of Wisconsin-Madison. He has been active in the American Chemical Society both locally and nationally, especially in the Division of Chemical Education. His current academic interests are teaching since 1969 a unique course, chemistry and civilization, a junior level course for non-science majors, and a senior level course in petrochemicals.

Anyone wishing to attend a no host dinner with Dr. Kolb following the talk should contact Tom Jones at (509) 373-3969, email: Thomas_e_tom_jones@rl.gov.

"Inuit Ice Fisherman" by Steuben Glass illustrates the artistic uses of glass that will be discussed in Dr. Kolb's talk



National Chemistry Week (NCW) will be celebrated nationally during the week of October 17. This year's theme is "Health and Wellness". The Richland Section's primary outreach activity will be at the community's Family-A-Fair exposition, which will be held October 23 and 24 at Pasco's TRAC building. "It's a great opportunity to teach young kids that science can be fun", said event coordinator Rich Lucke. To volunteer, please give Rich a call at 376-3716, or email Richard.Lucke@pnl.gov.



he was appointed the Robert J. Kegerreis Distinguished Professor of Teaching at Wright State. In 1998 he received the CMA Catalyst Award for Outstanding Teaching of College Chemistry. Dr. Fortman received his B.S. from the University of Dayton in 1961 and his Ph.D. in physical inorganic chemistry from the University of Notre Dame in 1965. He has published over 50 papers in chemical education in addition to his research publications. His course for non-science students was cited as a model in the 1990 AAAS report on "The Liberal Art of Science: Agenda for Action". His interests in addition to demonstrations and course content and organization include the use of analogies and videotaped material. Fortman has been an ACS member since 1962 and is currently Councilor for the Dayton section and member of the Committee on Constitution & Bylaws after serving for five years on the Local Section Activities Committee.

Anyone wishing to attend a no host dinner with Dr. Fortman before the talk should contact Jeff Woodford at (541) 962-3321, email: jwoodfor@eou.edu.

Richland Section Award

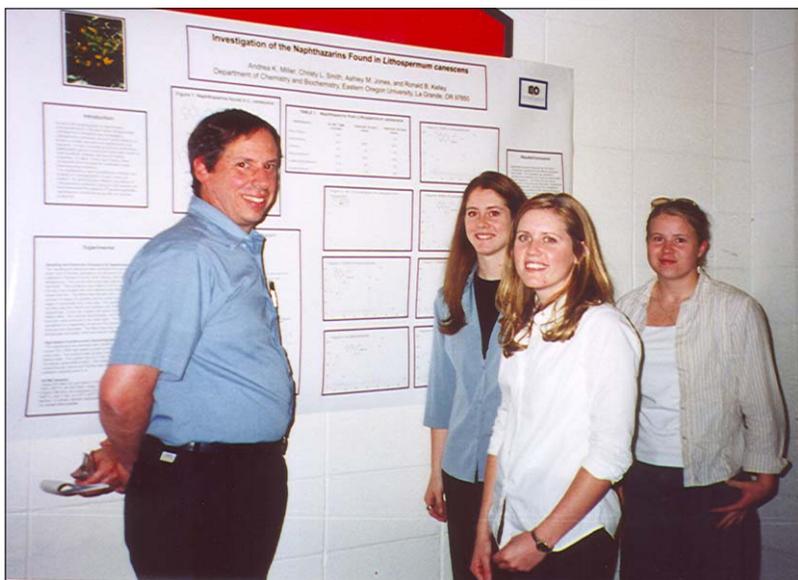
The Richland Section was recognized for its programs to promote women chemists by receiving the "Most Innovative Recognition of Women in the Chemical Sciences" award at the ACS National Meeting in Philadelphia. The award is sponsored by the National Women Chemists Committee (WCC), and was presented to the Richland Section in recognition of the many programs the Section organizes throughout the year to recognize and promote women in chemistry. The award was received on behalf of the Section by Anna Cavinato, who has been instrumental in organizing many of these activities.



Anna Cavinato, third from left, received the "Most Innovative Recognition of Women in the Chemical Sciences" award on behalf of the Richland Section at the ACS National Meeting in Philadelphia. Other women, from left are Carolyn Ribes, Prerna Sonthalia, and Cheryl Brown.

Symposium to Honor Karen Grant

Last May a symposium was held to honor the Section's Chemist of the Year for 2003, Karen Grant. Here are a few photos from the symposium:



Eastern Oregon University students (from left) Annie Miller, Christy Smith, and Ashley Jones explain their research projects with Section member Dave Merrill.



Grant receives the award from Section Chair Sam Bryan.

Northwest Regional Meetings

The Northwest Regional Board met at the June 2004 Northwest Regional Meeting (NORM) in Logan, UT. The Northwest Regional Meetings listed below are already in the planning stages and have been approved by the NOR Board. Please contact the individuals listed below with your questions/comments regarding these meetings. The Regional Meetings are now doing significant programming jointly with ACS Technical Divisions, and we look forward to enhanced member participation. Note that all presentations at Regional Meetings are now listed in Chemical Abstracts.

Representatives from the 10 Regions are working together to formalize the operations of the Regions which have a primary function of oversight/planning for Regional Meetings. Regional

2005 June 15-18

Fairbanks, AK; Westmark Hotel
(Alaska: jointly sponsored by NOR and ACS
Division of Small Chemical Businesses)
Larry Taylor, 907-354-2569, taylor@labsafari.com

2006 June 25-28

Reno, NV; Golden Nugget Hotel (Sierra Nevada)
Sean Casey, 775-784-4144, scasey@chem.unr.edu

Meetings provide excellent technical programs in splendid, spectacular surroundings ranging from the urban to exotic environment and all at reasonable cost to our members and other participants. Please consider attending NORM!

The Sponsoring Local Sections of the Northwest Region are: Alaska, Central Utah, Hawaii, Idaho, Inland Northwest, Montana, Oregon, Portland, Puget Sound, Richland, Sierra Nevada, Salt Lake, Washington Idaho Border, and Wyoming. Additional contacts for each meeting may be found at the website, http://www.pnl.gov/acs/news/norm_meetings.html.

Timothy L Hubler

President, Northwest Region of the American Chemical Society

2007 June 17-20

Boise, Idaho, Convention Centre on the Grove
(Richland; Boise area members are working to organize
a new local section in that area)

2008 June 8-11 Park City, UT

(Central Utah; exact site not yet known; could move to
Provo, UT; Joint Meeting with the Rocky Mountain
Region)

Hail & Farewell

We would like to welcome the following new members to the Richland Section: **Surajit Amrit, Donald Baer, Xi Li, Xiaohong Li, James Amonette, Matthew Henry, Lewis Miller, Joseph Sears, and Seema Sharma.**

We wish departing members **Alfred Fuciarelli, Mark Wingred, Cal Delegard, David Mayes, Gail Risow, Joyce Takeyasu, and Hanfu Wang** the best of luck in their future endeavors.

Member Benefit

The ACS Silver Circle website was created to provide experienced ACS members and retirees with information on numerous outreach opportunities, ACS news, and links to valuable Web resources.

Please visit the page at <http://chemistry.org/silvercircle.html>. Calendar

Coming Events

September 15

Tour Speaker: Kenneth Kolb, Topic: *Glass, Its Many Facets*

October 19

Tour Speaker: John Fortman, Topic: *Demonstrations of Everyday Applications of Chemistry*

October 17-23

National Chemistry Week. Contact Rich Lucke, 509-376-3716 for details

**Richland Section
Home Page**

www.pnl.gov/acs/



Richland Section
American Chemical Society
c/o Editor: Steve Krogsrud
4816 W. Irving
Pasco, WA 99301

Point To Ponder

You'll never turn try into triumph...without adding the umph! – Harvey MacKay