

# American Chemical Society

December 2009  
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PORTLAND SECTION

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## Radioecology in Pacific Islands Used for Nuclear Testing

### Prof. Kathryn Higley

Oregon State University Dept. of Nuclear Engineering

Tuesday December 15, 2009  
8:00 PM

Reed College Vollum Center Lounge

3203 SE Woodstock Blvd.

Portland Or 97202

Downloadable map of Reed College Campus at

[http://www.reed.edu/facilities\\_and\\_grounds/reedcampusmap.pdf](http://www.reed.edu/facilities_and_grounds/reedcampusmap.pdf)

Social Hour at 6-7 PM

Buffet Dinner at 7-8 PM

For program information visit Portland Section website <http://membership.acs.org/p/portland/>.

— Over, Please —

#### DINNER RESERVATIONS

To make a dinner reservation, call **Tom Dunne** at **503-230-9803** by 9 PM **Sunday evening December 13** giving name (spell out last name), telephone number, number of reservations, and entrée preference (vegan or meat). Dinners for high school chemistry teachers and high school and college students are \$10; others are \$20. Both alcoholic and non-alcoholic drinks may be purchased.

If you call the Section phone and make a meal reservation for a meeting, you are responsible for the cost of that meal, whether or not you attend the meeting. If you do not attend the meeting, please send your check to **Dr. Wm. Randall, 0658 SW Palatine Hill Rd., Portland, OR 97219.**

## BIOGRAPHY: Kathryn A. Higley

Dr. Higley received a B.A. in Chemistry (1978) from Reed College and M.S. in Radiological Health Sciences (1992) and Ph.D. in Radiological Health Sciences (1994) from Colorado State University. Her research and teaching interests include human and ecological risk assessment; environmental pathway analysis, environmental transport and fate of radionuclides; environmental radiation monitoring, radionuclide and hazardous chemical transport, radiochemistry, neutron activation analysis, nuclear emergency response planning, and environmental regulations, radiation dose assessment, neutron activation analysis, nuclear emergency response, and environmental regulations.

Dr. Higley holds a senior reactor operator's license and has held research positions at three research reactors. She worked fourteen years with Battelle, Pacific Northwest Laboratories, as an environmental health physicist at the Hanford Nuclear Reservation and three years in environmental radiation monitoring at the Trojan Nuclear Power Plant in Oregon. She is a consultant to the U.S. Department of Energy's Office of Air, Water and Radiation Protection. She has been at Oregon State University since 1994 teaching undergraduate and graduate classes in radioecology, dosimetry, radiation protection, radiochemistry, societal aspects of nuclear technology, and radiation biology.

Dr. Higley is a Fellow of the Health Physics Society and a Certified Health Physicist.

## SEED POSTERS AND PORTLAND SECTION ACS PROJECT SEED

The Dec. 15 meeting features posters of Portland Section SEED students. For a number of years, the Portland Section has been providing high school students the opportunity to spend 8 to 10 weeks during each of two summers doing chemistry-related research with local chemists in academic, industrial, and governmental research laboratories.

ACS has a national program called "Project SEED". Project SEED's mission statement is "to assure that students from economically disadvantaged backgrounds have opportunities to experience the challenges and rewards of chemically related sciences".

High school student applications (freshman through junior) may be made through Apprenticeships in Science and Engineering (ASE) or Saturday Academy or through their high school science teacher. Students receive a stipend for their efforts but the Section receives only limited financial support from the Society, therefore, must seek out donations. For more information, contact **Dr. Angela Hoffman** at [hoffman@up.edu](mailto:hoffman@up.edu).

To make a donation to Project SEED, check the box on the form below.

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PLEASE CUT HERE - ENCLOSE WITH YOUR CHECK

### PLEASE MAKE A DONATION TO THE PORTLAND SECTION

Please mark box to indicate your donation preference(s):  Scholarship fund  Project SEED  Pauling Award  
 Other (please specify) \_\_\_\_\_ Amount of donation \$ \_\_\_\_\_

Mail this form and your check (made payable to Portland Section ACS) to:

Dr. Tom Dunne, Development Chair  
Portland Section ACS  
Reed College Chemistry Department  
3203 SE Woodstock Blvd.  
Portland OR 97202-8199

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Please visit the Portland Section website <http://membership.acs.org/p/portland/> for more information about the Section's education, scholarship, and funding programs.

The American Chemical Society is a 501c.(3) nonprofit organization. You will receive a written acknowledgement of your donation.

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