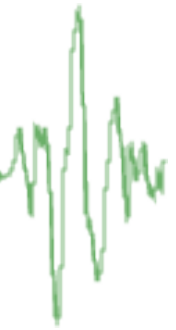




IRIS Educational Affiliate Newsletter

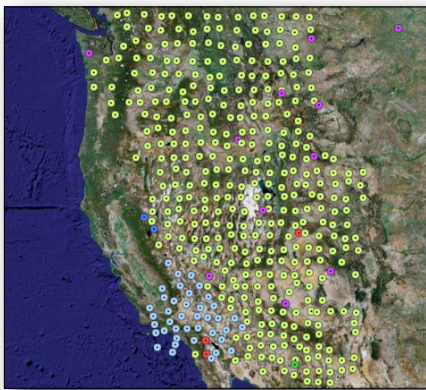
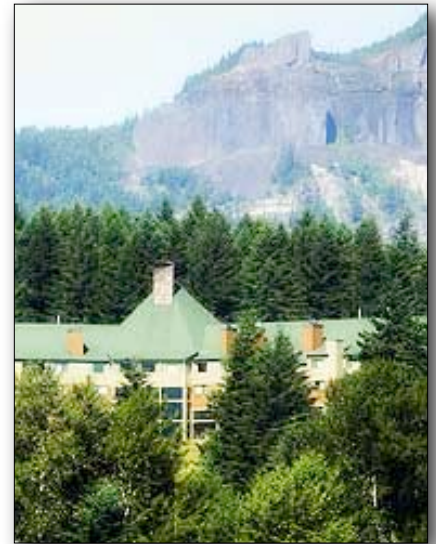
A community uniquely positioned to address seismology educational issues across a spectrum of learners.



The IRIS Annual Workshop (June 4-6, 2008)

As you may be aware, as an IRIS Educational Affiliates you are invited to attend the annual IRIS Workshop, to be held in Skamania Washington from June 4-6 (http://www.iris.edu/iris_workshop/). As you will see from the agenda, there are science sessions on Earth structure, polar region geophysics and episodic tremor and slip and a field trip to sites of landslides, floods, and earthquakes. Special interest group meetings cover a range of topics including using SeisMac, communicating about earthquakes to the public and sharing innovative techniques for teaching seismology. You are encouraged to submit a poster on your research or on teaching seismology. We will also host an informal dinner on June 3rd (the night before the workshop begins) to discuss Educational Affiliate interests and needs.

To make it easier for you to attend, IRIS E&O will reimburse up to \$1200 of travel, lodging and registration costs for 1 representative from each Educational Affiliates institution. Registrations close on the 25th and abstracts for posters are due May 2nd. If you have any questions, please contact John Taber (taber@iris.edu).



Teachable Moment Available

A new teachable moment for undergraduate classrooms is available from EarthScope, IRIS and UNAVCO. The teachable moment is a PowerPoint with 14 slides about the magnitude 6.0 earthquake that occurred in Nevada. It features slides on Basin and Range tectonics and geodetic and seismological results. Please modify for your classes as needed. We hope this will be the first in a series of teachable moments.

The teachable moment is available on the EarthScope website (<http://www.earthscope.org>). Look for the link under Program Highlights and the Wells, NV earthquake in the center right of the main page.

Please send your feedback to Kelly Reeves (kreeves@iris.edu) and/or John Taber (taber@iris.edu).

Member News

The member news below represents responses to a request for news. To have your news included in the next issues please contact Michael Hubenthal - hubenth@iris.edu



Eckerd College - One of our students was accepted to the IRIS Undergraduate internship class of 2008. A publication resulted from our participation in the Sabbatical In Seismology program. This program is available to all EA members (<http://www.iris.edu/edu/SIS.htm>). We have also added an Active Earth Display (<http://www.iris.edu/about/ENO/aed.htm>) in the hallway of the department.

Frohlich, C., Reiser Wetzel, L. (2007) Comparison of seismic moment release rates along different types of plate boundaries. *Geophys. J. Int.* 171, 909–920



MORAVIAN
COLLEGE

Moravian College - We are collaborating with Alan Jones to port Amaseis (the software for displaying and analyzing data from the AS1 seismograph) over to a Java so it can become platform independent. Additionally a group of students are also working with faculty from the computer science department to develop a system to allow remote viewing of data within AmaSeis.



SUNY Potsdam - We are presently constructing a seismology laboratory in the basement of the geology building with a concrete pier for mounting seismic equipment.

We have found the AS-1 the most effective way to teach students how earthquakes are detected and how seismometers work including calibration, and damping. Also the AmaSeis program is being installed by students to study earthquakes. For the most part the AS1 with AmaSeis is the most effective way to teach earthquake detection and seismogram interpretation.



Waubonsee Community College - Our AS-1 has a prominent placement inside the main door of the science building where it continues to draw viewers. Resulting data is a frequent topic in our Earth Science courses. We have developed an exercise for our ESC101, Introduction to Earth Science Laboratory,

using Alan Jones' Seismic Eruption and data collected by our AS1 seismometer to explore the geographic distribution of earthquakes, paying particular attention to convergent plate boundaries. We have also hosted an IRIS/SSA Distinguished lecturer for the past two years. This venue exposes about 200 students, faculty, staff and community members to seismological research. (http://www.iris.edu/services/lectures/iris_ssa.htm)

University of Portland - In August we delivered an educational seismology workshop and field trip for 12 middle school teachers of Earth and Environmental Science from four school districts in southwest Washington. We continue to provide earthquake notices to over 50 K-12 teachers of Earth Science in the Portland metro area. Notices are developed for regional M5 and larger earthquakes and notable large earthquakes worldwide. Finally, The Teachers on the Leading Edge collaborative program between the University of Portland, Portland Community College, Central Washington University, and Pacific Lutheran University has been funded by the NSF EarthScope Project. This project will to (1) introduce 120 K-12 and community college teachers of Earth Science to the EarthScope Project; (2) immerse teachers in inquiry-based studies of active continental margin geology; (3) coordinate with science educators at UNAVCO, IRIS, and the EarthScope National Office in developing instructional materials that convey the wonder of EarthScope science to K-12 learners and the general public nationwide; (4) form teams of teacher-learners, led by a community college instructor, that promote integration of EarthScope science into the K-12 curriculum; and (5) provide a template for Geoscience educators to build place-based programs that connect EarthScope science with regional geology as USArray steps across the country.

Educational Affiliate Institutions

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