



The Official

# OREGON SECTION AEG NEWSLETTER

## February Meeting Details

Date: Wednesday February 18th

Location: Old Market Pub

6959 Multnomah

Portland, OR

6:00 pm Social

7:00 pm Dinner

8:00 pm Presentation

Dinner: Pizza & Salad

\$15 Dinner (\$5 Students)

**Reservations:**  
mwegner@cornforthconsultants.com  
with "AEG Reservation" in  
the subject line or 971-222-  
2047 by 4pm Thursday Feb-  
ruary 12th.

There is a \$2 surcharge for  
those who do not reserve by  
the deadline.

## Upcoming Meetings:

- March 17: TBA
- April 21: Student Night
- May 19: Ed Medley



NOTE: Meet-  
ing Date is a  
Wednesday !

## The February Meeting Guest Speaker is Janine Castro from U.S. Fish and Wildlife Service. Presentation: River Restoration Education and Training

Stream systems by their very nature link ecological, physical, and chemical processes; therefore, the science and practice of stream restoration requires an integrated multi-disciplinary

A reservation made is a reservation paid !

approach. Over the past few decades, stream restoration has gone from a relatively unknown

field to a multi-billion dollar industry. With this increase has come a demand for more specific academic courses, graduate programs, short courses, and workshops.

With the practice of river restoration rapidly evolving in the United States, particularly in the Pacific Northwest, the traditional method of technology transfer—research findings published in peer-reviewed journals, read and distilled by educators, dispersed through university courses and scientific conferences, and then applied to projects—has been insufficient to keep up with the practice of river restoration. Some restoration professionals have likened this situation to “driving beyond our headlights,” indicating that, at times, the prac-

tice of river restoration is working ahead of the science. The rapid evolution of river restoration technology, in combination with the diversity of disciplines represented in this field, has created ideal conditions for increased market demand for restoration short courses. Therefore, unsurprisingly, there are thousands of courses offered nationwide by private consulting firms, government agencies, nonprofit organizations, and universities. And, that number continues to grow.

To regionally fulfill this need, Portland State University has developed a comprehensive, cohesive, professional river restoration training program. The purpose of the program is not to make each individual more technically astute within their own discipline but rather to create in them breadth of knowledge and respect for the complementary disciplines that are integral to successful river restoration. In essence, we want students to clearly “know what they don’t know” and to know when to call on an expert in any given field.

Other courses are offered within the region by organizations such as River Restoration Northwest and the Northwest Environmental Training Center. At a national level, there are a variety of courses offered by professional groups such as the American Fisheries Society, the Society for Ecological Restoration, and the American Society of Civil Engineers, to mention but a few. Many state and federal agencies offer their own courses to fill this training need and often allow non-agency personnel to attend. At an international level, the Canadian Rivers Institute offers week-long courses a couple of times per year, while the River Restoration Centre in the UK has just starting offering short courses. On the academic side, there a number of long-standing short courses taught by a group of researchers affiliated with the National Center for Earth-surface Dynamics, which is housed at the University of Minnesota. New graduate programs are continually being developed all over the country, and this trend is likely to continue. (continued on page 2)



## Bio: Janine Castro

Janine Castro is a geomorphologist with the US Fish and Wildlife Service in Portland, Oregon. Her primary duties include technical assistance for stream restoration projects, federal and state permit review for instream work, regional and national level training on stream restoration, and coordination between state and federal agencies on controversial issues related to fluvial geomorphology. Janine is currently the Technical Director for the Portland State University, River Restoration Professional Certificate Program, and Founding Board Member for River Restoration Northwest. She is a Registered Geologist and holds both Geology and Geography degrees from California State University, Chico, and a Ph.D. in Geosciences from Oregon State University.



(continued from page 1) Because of the diverse interest in stream restoration, the varieties of disciplines involved in project development, and the varying levels of training and experience, there has been a healthy discussion among registered geologists, professional engineers, and licensed landscape architects about who should be allowed to design and implement stream restoration projects. While this question has

not been answered, the Oregon State Board of Geologist Examiners has weighed in on the subject. To read the full version of this discussion, see the October 2007 Newsletter at: <http://www.oregon.gov/OSBGE/pdfs/NEWSLETTER10-07.pdf>.

*For a full overview of Restoration and Training around the country, see the National Center for Earth-*

*surface Dynamics, Stream Restoration Networker, 2008, Volume 2, Issue 1, [http://www.nced.umn.edu/Stream\\_Newsletter](http://www.nced.umn.edu/Stream_Newsletter).*



## Message From The Chair

We had a great Joint Meeting with the local ASCE Geotech Section last month. We had about 90 people turn out at the Kennedy School and everyone seemed to have a good time. We were enlightened by our guest speaker, Yumei Wang with DOGAMI, on the past and potential future effects of natural hazards on Oregon's infrastructure and her presentation generated a lot of good discussion. Thanks to all of you who helped make the meeting such a success!

The Washington Section of AEG held a field trip this past weekend to look at landslides generated by the big storm in early January. Scott Burns drove a van full of Portland

State Students and others up to join the Washington contingent. We looked at landslides along the Highway 12 corridor in the Morton and Glenoma areas. We were able to see some pretty spectacular landslides and (what I would call) debris flows. There were about 50 people on the field trip and there was a lot of good discussion including a rather amusing revival of the great landslide classification debate. It was good to get out into the field and look at someone else's ground and associated challenges.

This month we are excited to have Janine Castro come present to us on stream restoration. Janine is a leader in the Pacific

Northwest when it comes to stream restoration and has been a real champion for improving the application of science to restoration projects, advocating for a multi-disciplinary approach to these projects, and for promoting and providing desperately needed education and training on stream restoration. We are meeting at the tried and true Old Market Pub on the third WEDNESDAY this month. I hope to see you there!

AEG Oregon Section Chair  
Jason Hinkle

Photo Caption: Stop 1 on the Washington Field Trip - Participants look up at a debris flow that impacted a local road.



*“Keen observation is at least as necessary as penetrating analysis”*

*Karl Terzaghi*



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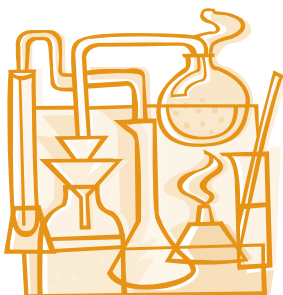
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## Northwest Scientific Association 81st Annual Meeting: March 25-28, 2009

We have exciting keynote speakers planned including Dr. Brian Fagan, author and Professor Emeritus in Anthropology of the University of California at Santa Barbara. Symposia and presentations will address a broad range of topics and issues in natural and applied sciences, including climate change, geology, forestry, ecology, botany, restoration, sustainability, and lichenology.

Abstract Deadline: February 16, 2009

Early registration deadline (reduced rates): February 16, 2009

81<sup>st</sup> Annual Meeting of the NW Scientific Assoc. at UW Seattle: March 25–28

For more info go to: [http://www.vetmed.wsu.edu/org\\_NWS/NWSci\\_Home.htm](http://www.vetmed.wsu.edu/org_NWS/NWSci_Home.htm)

## Job Opportunities




Aerotek Engineering and Environmental is actively seeking Geologists and Environmental Engineers for multiple top consulting firms located in the Portland Metro area. Qualified candidates are encouraged to send a copy of their resume to Renee Coyier at [rcoyier@aerotek.com](mailto:rcoyier@aerotek.com) or contact Renee at 503-403-1917 for an interview or for more information.

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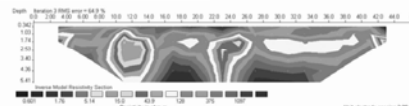
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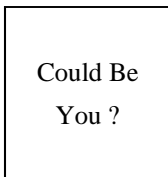
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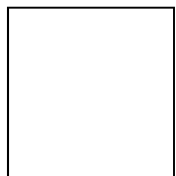
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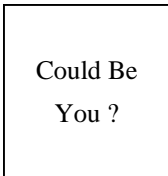
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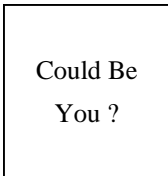
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National AEG webpage: <http://aegweb.org>

## The Oregon Section Newsletter

OREGON SECTION AEG NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Section or other Sections, and other interested people who have requested and paid a local subscription fee of \$10.00. E-mail subscriptions are free. News items are invited and should be sent to: Bill Burns, OR Section AEG Newsletter Editor, Oregon Department of Geology, 800 NE Oregon Street, Portland, OR 97232, e-mail: <bill.burns@dogami.state.or.us>, phone (971) 673-1555. Electronic media is preferred. Deadline for submittal is Friday three weeks before each meeting. Advertising: business card \$100/yr; ¼ page \$200/yr; ½ page \$350/yr. Please notify Bill if you have a change to your email or mailing address.

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

