



Serving Professionals in Engineering, Environmental,  
and Ground Water Geology

OREGON SECTION

# NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

January, 2002

VOLUME 02, NUMBER 1

## JANUARY MEETING:

Speaker:

*Anne MacDonald, RG*

Talk:

*“Habitat Restoration for Engineering Geologists”*  
*or “How did a nice geologist like you get stuck in waders?”*

Date:

**Thursday, Jan. 17, 2002**

Times:

6:00 PM	Social hour
7:00 PM	Dinner
8:00 PM	Presentation

Where:

***McMenamins Cedar Hills***

2927 SW Cedar Hills Blvd.  
Beaverton, Oregon

Menu:

\$10/Burger Bar (Request preference – Hamburger, Cheeseburger, Gardenburger)

**Reservations:** Call URS at: 503-222-7200 by **4 PM, Monday (1/14/02)** request preference on dinner  
**“A reservation made is a reservation paid.”** Please call to cancel if you can not attend. Thank you!

# ***ABSTRACT***

## ***Habitat Restoration for Engineering Geologists" or, "How did a nice geologist like you get stuck in waders?***

I will argue that geoscientists are critical members of any habitat restoration team for two reasons. First, we understand much of the formation and processes governing habitat structure. Second, we understand the spatial and temporal response of many structural elements to a key ecological condition: disturbance. Habitat structure is literally the building blocks of ecosystems. It consists of both living and non-living components. The non-living components of habitat structure are things we know about, particularly:

- soil
- sediments
- water
- topography.

Habitat structure is important because it is what we can rebuild as a restoration project. If we rebuild it properly, the desired ecological functions and values will follow. Habitat structure is not static. It is, in fact, regularly altered by disturbance phenomenon that occur on long human/short geologic time scales. These processes include geological and meteorological events, as well as biological phenomenon. Our input is needed to help determine the ecological response to both small/limited disturbance (dynamic equilibrium) and large/long term disturbance (catastrophic processes.). These concepts will be illustrated by examples from stream restoration projects in mountainous environments of the western United States.

# ***BIO***

## ***Anne MacDonald, RG***

Anne MacDonald began her career in geomorphology at the University of Washington. She delighted in confounding the geology faculty by taking courses in environmental impact assessment, natural resource economics and botany. (In an early career move, she figured there would be geomorphology everywhere, even where metamorphic rocks were thousands of kilometers away.) She followed her BS with grad school at UC Santa Barbara, where she chose to follow fluvial rather than tectonic geomorphology. While at UCSB, she spent several years at the Redwood National Park School of Geomorphology and Watershed Restoration, where "rockies" (geologists) and "veggies" (plant ecologists) worked closely together to repair the scars of logging. While there, she evaluated the importance of log jams in controlling channel hydraulics, sediment routing, and resulting aquatic habitat. Following stints as 1) lecturer at the Indiana University School of Public and Environmental Affairs and 2) hydrologist in the Environmental Lab of the Corps' Waterways Experiment Station, she returned west and became an environmental consultant and AEG member. She's been a member of 3 AEG sections (Washington, Rocky Mountain, and Oregon), section chair, and membership chair. She also represents AEG on the Environmental Geosciences Committee for AGI. Now a Senior Project Manager with URS, her favorite current project is designing and building a new stream near Mt. Hood.

## **Message from the Chair (January 2002)**

Welcome to our first meeting of the new year. Anne MacDonald of URS will be our speaker for the January meeting. Anne is the former Membership Chair for AEG and will be talking to us about her recent fluvial geomorphology projects. She'll let us know how a geologist can "get her feet wet" on these types of geologic studies.

The February meeting will be our annual joint meeting with the ASCE Geotechnical Group. The meeting will be held on Thursday, February 21. Dr. Evert Hoek will give a presentation on rock slope hazards and engineering geology. An announcement of the location, time, and reservations will be in our February AEG Section newsletter and in a separate announcement by ASCE.

Perry Rahn, the current Jahns Lecturer, plans to be speaking to the Washington Section meeting in February. He may also have a talk scheduled at PSU. Due to our conflict with the February joint AEG-ASCE meeting, Perry will visit the Oregon Section next fall.

### **Washington Geologist Registration**

Ken Neal of the Washington Section recently sent out a message asking for volunteers to help write questions for the Washington State Department of Licensing (DOL) Engineering Geologist specialty exam. Washington DOL is putting together a focus group to draft exam questions. The grandparenting period for Washington licensing ends on June 30, 2002, and registrants will be required to take an exam after that date.

If you are considering volunteering to write questions, be aware that those who help write the questions for the engineering geologist test cannot then go and take the test they just helped prepare. The Oregon and Washington licensing boards have tentatively agreed to a 5-year waiting period. This means a Washington exam focus group member who is not already a CEG in Oregon will have to wait 5 years to be eligible to take the engineering geologist exam. Likewise, a CEG who grandparented registration in Oregon and helps write the Washington test, but procrastinates and does not make Washington's grandparenting deadline, will have to wait 5 years to be eligible to take the test in Washington. Contact Ken Neal ([KenGNeal@aol.com](mailto:KenGNeal@aol.com)) (telephone 360-352-5125) for more details on the dates and meeting places for the focus groups. If you are a registered Oregon CEG, this will be an ideal opportunity to help create a comprehensive Washington engineering geologist exam.

### **AEG Awards Committee**

The AEG Awards Committee announced that nominations are now being accepted for 2001. The Awards Committee considers nominations for the following three awards:

**Douglas R. Piteau Outstanding Young Member Award** – This award is presented to a Member or Associate Member who is age 35 or under, and has excelled in one (or more) of the following 3 areas: technical accomplishment, service to AEG (including local section involvement), **or** service to the engineering geology profession. Examples of qualified candidates might include younger members who are particularly active in their local sections.

**Claire P. Holdredge Award** - This award is presented to a Member(s) for a publication within the past 5 years that is judged to be an outstanding contribution to the engineering geology profession.

**Floyd T. Johnson Service Award** – This award is presented to a Member for outstanding active and faithful service to the Association over a minimum of 9 years. Board members are not eligible until 1 year after leaving office. Nominations must be validated via endorsement by 3 Members having different Section affiliations.

**The deadline for nominations to be considered for awards in 2002 is March 31, 2002.** Please send nominations to Bill Cole, AEG Awards Committee Manager, c/o Cotton, Shires and Associates, Inc., 330 Village Lane, Los Gatos, CA 95030 (or to [bcole@cottonshires.com](mailto:bcole@cottonshires.com)). For more information, please consult the AEG Directory (page 27-28) or website, or send questions to Bill Cole.

### **GSA Cordilleran Section Meeting. Oregon State University, Corvallis, Oregon, May 13-15, 2002**

AEG will be participating at the GSA Cordilleran Section Meeting in Corvallis, Oregon, May 13-15, 2002. An announcement and call for papers was published in the November 2001 issue of the GSA Today publication. Abstracts are due by February 7, 2002, and must be submitted using the electronic submissions form at the GSA web site, [www.geosociety.org](http://www.geosociety.org).

Many theme sessions are cosponsored by AEG. Theme sessions on numerous geology topics are open for submittal of abstracts for oral presentations or posters. Scott Burns (503-725-3389, [burnss@pdx.edu](mailto:burnss@pdx.edu)) and Charlie Hammond (503-452-1200, [charlieh@landslidetechnology.com](mailto:charlieh@landslidetechnology.com)) are coordinating the Engineering Geology Case Histories session. Jon Hofmeister of DOGAMI (503-731-4100, [jon.hofmeister@state.or.us](mailto:jon.hofmeister@state.or.us)) called recently to remind AEG members about submittal of abstracts for the Debris Flow: Theory and Practice session.

### **Corporate Sponsorship**

Sponsorship of AEG is available at the Section and National levels. We encourage sponsorship of the Oregon Section by local firms. The Washington Section has a successful sponsorship program that provides advertising exposure for local consulting and services firms and helps support section activities. AEG sponsorship at a higher level is available through three levels of sponsorship with international exposure on the AEG web site and publications. Please contact any of the Oregon Section officers if you want to take advantage of the benefits of corporate sponsorship.

Drew Harvey  
AEG Oregon Section Chair

# Short News Items

**CEG exam for Washington & Oregon:** As discussed at the last meeting anyone (CEG Oregon) that wishes to be involved in the combining of Washington and Oregon to draft a joint CEG registration exam should contact Dave Michael (503 359 7448) or Susanna Knight (503 566 2837).

**Debris Flow Theme Session:** Anyone interested in presenting a talk at the GSA Conference Theme Session for Debris Flows should contact Jon Hofmeister (503 731 4100) or Keith Mills (503 945 7481).

**Green Briefcases:** Remember those green briefcase bags that we have left over from the Seattle annual meeting? Well, now is the time to pick one or more up for \$5.00 each. That's less than you spend for lunch! People that already have one say "they were worth the old price of \$10.00 and I am going to buy another!" Get one before they are all gone!!

**E-Mail "Newsletter:"** PLEASE TAKE THE TIME TO SWICHT TO THE E-MAIL NEWSLTTER IF YOU CAN This saves the Section money and makes the editor's job much easier please send me your E – mail address to Dave Michael at [dmichael@odf.state.or.us](mailto:dmichael@odf.state.or.us)

**AEG Homepage:** check it out: <http://www.aegweb.org>

**The Board of Geologist Examiners:** 707 13<sup>th</sup>. St. SE, Suite 275 Salem, OR, 97301

Phone (503) 566-2837, Fax (503) 362-6393 e-mail: [osbge@open.org](mailto:osbge@open.org) [www.osbge.org](http://www.osbge.org) website for board; deadline for submitting papers for next exam is January 4; next CEG and ASBOG exams are on March 15 contact **Susanna Knight**, Administrator for assistance with Board issues.

**If you have NEWS items that you would like to include, please contact or E-mail Dave Michael – newsletter editor at [dmichael@odf.state.or.us](mailto:dmichael@odf.state.or.us)**

**Oregon Section Book:** The 1998 publication "Environmental, Groundwater And Engineering Geology Applications from Oregon" Edited by Scott Burns with articles by many Oregon Section members is available from Nature of the Northwest (DOGAMI Book Store –800 NE Oregon St.), Powell's Book Store, Portland State Book Store (corner 5<sup>th</sup> and Mill), Amazon.com

**"Seeking Old AEG Annual Directories".** If anybody has any pre-1997 AEG annual directories, please email George Freitag at [gfreitag@gri.com](mailto:gfreitag@gri.com). George is trying to compile a list of old Oregon Section officers." George Freitag, CEG GRI Geotechnical and Environmental Consultants [gfreitag@gri.com](mailto:gfreitag@gri.com) Phone (503) 641-3478 Fax: (503) 644-8034

**PSU Student Chapter Elects New Officers:** The first week of December was the second meeting for the year for the PSU student chapter. Julie Griswold was elected president, Ericka Olesen was elected Vice President; Charlotte and Sue were elected co-secretaries and Josh Mathiesen was elected Treasurer. They had their first field trip on December 6th to see the super debris flow at Exit 35 on I-84 at Dodson.

## **Classes offered at PSU in Winter Quarter which runs from January 7 to March 20.**

- a) G470/570: Engineering Geology, Burns, MW 5:15-6:30 PM, F 3-5PM, 4 credits, Cramer S17
- b) G518/618: Clay Mineralogy, Grathoff, TuTh 5:15-6:30 PM, lab to be announced, 4 credits, Cramer 69
- c) G424/524: GIS for Natural Sciences, Percy, MWF, 12:45-13:35, F 9-12, Cramer 403, 4 credits,
- d) CE442/542, In Situ Soil Testing, Trevor Smith, MW 12-14:00, SB2 148, 4 credits
- e) CE 410/510, Intermediate Soil Mechanics, Raiv Ali, Tu 5:00-7:00, SB2, 2 credits

If anyone is going to take the CEG in March, the engineering geology class offered by Scott Burns is an excellent review. Weekly problem sets have been chosen to cover all major areas on the test. The course would work as an excellent review since it integrates many of the topics covered in the RegReview short course in engineering geology. Call Scott Burns (503-725-3389) for more information about the above courses.

## **Cordilleran Section, Geological Society of America**

### **98th Annual Meeting**

**Oregon State University, Corvallis, Oregon, May 13-15, 2002**

This meeting will be held at the LaSells Stewart Center and CH2M Hill Alumni Center at Oregon State University. Participating organizations include the Northwest Energy Association (NWEA) of AAPG, the Oregon and Washington Chapters of the Association of Engineering Geologists (AEG), the Cordilleran Section of the Paleontological Society (PS), and the National Association of Geoscience Teachers (NAGT). Meeting chair is Bob Yeats, (541)737-1226, yeatsr@geo.orst.edu. Coordinators for participating societies are Jack Meyer (NWEA) at h2m@nwnatural.com, Scott Burns (AEG) at (503)725-3389, burnss@pdx.edu, Jeff Myers (PS) at (503)838-8165, myersj@wou.edu, and Peter Wampler (NAGT) at (541)758-8418, wamplerp@geo.orst.edu.

**Convention website is <http://terra.geo.orst.edu/users/gsa2002>**

# AEG "Oregon Section" - OFFICERS

Area codes are 503 unless noted:

Position	Name	Daytime	Home	FAX
Chair	<i>Andrew Harvey</i> <b>644-9447</b> e-mail: <a href="mailto:aharvey@kleinfelder.com">aharvey@kleinfelder.com</a>		<b>617-9486</b>	<b>643-1905</b>
Chair Elect	<i>Ruth Wilmoth</i> <b>(360) 944-7397</b> e-mail <a href="mailto:cgivanc@aol.com">cgivanc@aol.com</a>		<b>(360) 944-6985</b>	
Secretary	<b>Warren Krager</b> <b>644-9447</b> <a href="mailto:wkrager@kleinfelder.com">wkrager@kleinfelder.com</a>		<b>684-4902</b>	<b>643-1905</b>
Treasurer	<b>Rowland French</b> <b>(541) 757-7231</b> e-mail <a href="mailto:rowland@nga.com">rowland@nga.com</a>			<b>(541) 757-7331</b>
Past Chair	<i>Charlie Hammond</i> <b>452-1100</b> <b>274-1437</b> <b>452-1528</b> e-mail: <a href="mailto:chammond@cornforthconsultants.com">chammond@cornforthconsultants.com</a>			
Program Chairs	<b>Jason Hinkle</b> <b>(503)9457468</b> <b>(503) 6146-2815</b> <a href="mailto:Jhinkle@odf.state.or.us">Jhinkle@odf.state.or.us</a>			
	<b>Tim Richter</b> <b>948-7213</b> <a href="mailto:Tim_richter@urscorp.com">Tim_richter@urscorp.com</a>			<b>222-4292</b>
Membership	<i>Tim Blackwood</i> <b>684-3460</b> <b>631-7996</b> <b>670-9147</b> e-mail: <a href="mailto:tblackwood@carlsontesting.com">tblackwood@carlsontesting.com</a>			
Field Trips	<b>Tom Kuper</b> <a href="mailto:Dkuper@cybcon.com">Dkuper@cybcon.com</a>		<b>638-9722</b>	<b>638-9723</b>
Section History	<b>George Freitag</b> <a href="mailto:Gfreitag@gri.com">Gfreitag@gri.com</a>		<b>641-3478</b>	<b>644-8034</b>

## **MEMBERSHIP**

For application forms for Membership in AEG (Member, Associate, Affiliate, or Student), call Tim Blackwood the membership chair at (503) 684-3460 (w). He will also have copies at the monthly meetings. Membership is on a calendar year basis. If you are an AEG member, headquarters will also collect our Oregon Section dues of \$10, which just covers our newsletter costs. If you would like to subscribe to the local newsletter (comes out 9 times a year) without being an AEG member, fill out the form below and mail to Dave Michael. Note: the following form is only for people and organizations that wish to subscribe to the Oregon AEG Newsletter without being members of AEG.

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**APPLICATION FOR OREGON SECTION, AEG "NEWSLETTER MAILINGLIST ONLY":**

NAME \_\_\_\_\_

AFFILIATION: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

Mail form and \$10 to Dave Michael c/o ODF NWOA, 801 Gales Creek Rd. Forest Grove OR 97116

# ***ANNOUNCEMENT OF OUR NEXT MEETING***

***Dec. 20, 2001***  
***AEG***

*Dave Michael, Editor  
Oregon Section, AEG  
c/o ODF NWOA  
801 Gales Creek Rd.  
Forest Grove, OR 97116*