



The Official

# Newsletter

of the Oregon Section Association of Engineering Geologists

Serving Professionals in Engineering, Environmental, and Groundwater Geology

## MAY 2003 SECTION MEETING

**Dr. Alan Hull, Golder Associates, Irvine, CA**

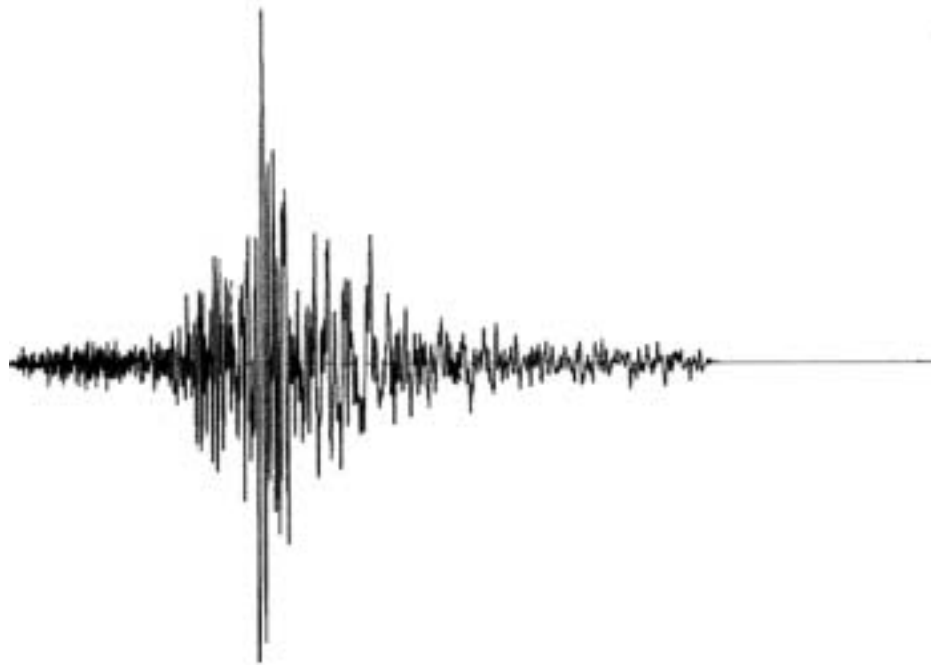
### **EARTHQUAKES, FAULTS AND GROUND SHAKING: UNDERSTANDING THE HAZARD**

Dr. Hull's presentation will cover the following topics:

- Techniques for the identification and characterization of the major geologic sources of earthquakes.
- Methods for estimating the timing and magnitude of past large earthquakes.
- Quantifying earthquake hazards for engineering projects.
- Developments of site-specific response spectra and acceleration time histories.

Alan will use examples from the Pacific Northwest, USA, Philippines, New Zealand, and other parts of the world. The presentation is designed for earth science and engineering professionals who are not earthquake specialists.

Dr Hull is a graduate of Victoria University of New Zealand (MSc) and the University of California (PhD). He has worked in academic and applied earthquake research for over 20 years. He specializes in determining earthquake hazards using historical seismicity and geology. He has worked on projects throughout the world, including dams, bridges, and pipelines. He has just completed a major re-evaluation of earthquake hazards for Portland General Electric.



**This Month's Meeting is on Tuesday May 20**

**Luck Labrador Brew Pub  
915 SE Hawthorne Blvd  
Portland, Oregon**

6:00 pm Social  
7:00 pm Dinner  
8:00 pm Presentation

\$12.00 dinner (\$6.00 for students).  
Options: Chicken or Veggie Bento

Call URS at 503-222-7200 by 4 pm  
Thurs. May 15 with your  
reservation. There is a \$2.00  
surcharge for those who do not  
reserve by the deadline. Call now!

A reservation made is paid.

## MESSAGE FROM THE CHAIR

Thanks again for all the hard work by the AEG Student Chapter from PSU on the meeting preparation and poster presentations last month. Also thanks to the donors of the kegs and the judging committee that together contributed to the success of the meeting.

The first weekend in May was the AEG Mid-Year Board of Directors Meeting held this year in Portland. Our President Scott Burns kept the room full of Section Chairs from across the country on track and moving forward, much like the current status of our organization. The move of the Association Headquarters to Denver is almost complete, with only a few financial details, the balance of some disputed bills, and a moving truck full of AEG and Engineering Geology Foundation stuff left to take care of. Moreover, AEG is operating on a balanced budget, has an estimated year-end cash flow surplus of \$5000, and has displayed a signifi-

cant growth in equity since last June. Operational savings this past year compared with the past few years at Texas A&M are roughly \$97,000. Other business at the meeting included approving bylaw changes that included adding provisions for additional executive council oversight of the financials, clarifying language describing the Treasurer position, and adding a publications director and his/her oversight. An outstanding environmental and engineering geology canal project in Montreal was chosen for the Annual Project Award to be awarded at the annual meeting. The 2003 Annual Meeting will be in Vail, Colorado; followed by Dearborn, Michigan in 2004; Las Vegas, Nevada in 2005; and Boston, Massachusetts in 2006.

There have been several emails regarding the Vail AEG meeting abstract deadline that just passed. If you did not receive these, your email address is likely not current,

and you should update your member information on the website using your member number and password or by calling the office at 303-757-2926.

Please note some additional dates on the Calendar in this newsletter; pencil these in now so that you do not overschedule during the summer.

Also and very important - notice the Election of Officers included in this newsletter. If you are an Oregon section AEG member, please take a minute to vote and mail in your ballot to the address indicated.

This month's meeting will be our last one before the summer break, so you won't want to miss it. I hope to see you all, but if I don't, have a great summer break from AEG and I'll see you following the Annual Meeting in September.

*Ruth Wilmoth*  
*AEG Oregon Section Chair*



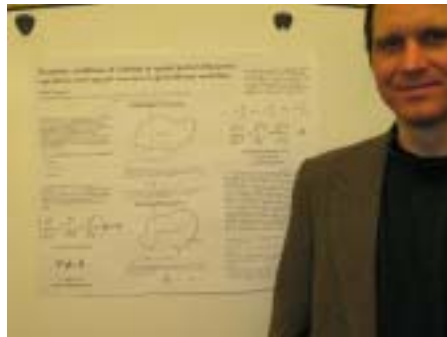
**Student presenters on display.**

# PORTLAND STATE UNIVERSITY STUDENT CHAPTER

AEG Student Night had another great turnout with 15 student poster presentations and a large attendance. The food was good, the posters were outstanding, and everyone enjoyed mingling and drinking free beer! Prizes were awarded to students with exceptional posters in the following categories:



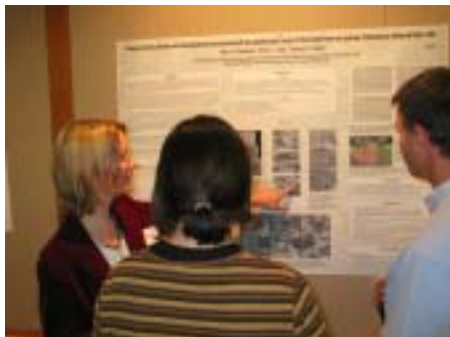
**Best of Show 2003: Julie Griswold**



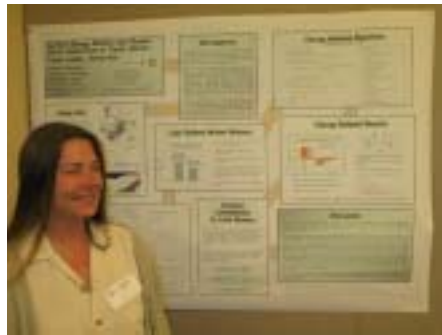
**Best Overall Undergraduate Poster: Chris Hofgren**



**Best Poster Design/Graphics Display: Beth Rapp**



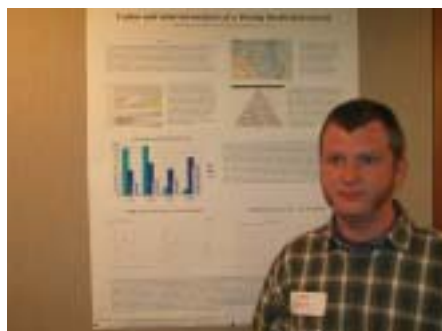
**Best Overall Graduate Poster: Nikki Parenteau**



**Best Scientific Content in a Graduate Poster: Robin Johnston**



**Most likely to be an engineering Geologist: Mike Marshall**



**Best Scientific Content in an Undergraduate Poster: Adam Romey**

**Best Local (Pacific NW) Research: Zach Oestrecher (was not present to receive his award)**

The PSU Student Chapter of AEG has had a busy year. We began student brown bag talks which gave students an opportunity to practice for their thesis defenses or proposals and GSA talks! Each week someone would bake goodies to enjoy during the talks and we raised money for the club from donations. We also enjoyed field trips to various debris flows. Now that the weather is warming up we will be planning more fieldtrips for the spring term.

*Eve James PSU Student Section President*

## SHORT NEWS ITEMS

**Membership Information:** If your membership information has changed, please take the time to update through the AEG Website or by contacting our Chief Staff Executive Becky Roland at (303) 757-2926 x307

**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 at 800 NE Oregon St.), Powell's Book Store, Portland State Book Store (corner 5<sup>th</sup> and Mill), and Amazon.com.

**"Seeking Old AEG Annual Directories":** If anybody has any pre-1997 AEG annual directories, please email George Freitag, History Chair at gfreitag@gri.com. George is compiling our sections history.

His mailing address is: GRI Inc., 9725 SW Beaverton-Hillsdale Hwy, Beaverton, OR 97005

**Receive Your Newsletter by E-Mail:** PLEASE TAKE THE TIME TO SWITCH TO THE E-MAIL NEWSLETTER. This saves the Section money and simplifies the editor's job. Please send your e-mail address to or.aeg.news@cornforthconsultants.com

## OREGON SECTION OFFICERS & COMMITTEE CHAIRS



**Chair:** Ruth Wilmoth, Columbia Geotechnical, Inc., (360) 944-7397, cgivanc@aol.com



**Chair-Elect:** Warren Krager, (503) 684-4902, wkrager@aol.com

**Secretary:** Rowland French, Northwest Geophysical Associates, Inc., (541) 757-7231, rowland@nga.com



**Treasurer:** Brent Black, Cornforth Consultants, Inc., (503) 452-1100, bblack@cornforthconsultants.com



**Past Chair:** Andrew Harvey, PBS Environmental, (503) 248-1939, andrew\_harvey@pbsenv.com

**PSU Student Chapter President:** Eve James, evejames1@yahoo.com

**Program Chairs:** Jason Hinkle, Oregon Department of Forestry, (503) 945-7468, jhinkle@odf.state.or.us



**Tim Richter**, URS Corporation, Inc., (503) 948-7213, tim\_richter@urscorp.com



**Membership Chair:** Matt Brunengo, GeoEngineers, Inc., (503) 624-9274, mbrunengo@geoengineers.com

**Field Trip Chair:** Dave Scofield, Portland District COE, (503) 808-4867, scofield@onemain.com

**History Chair:** George Freitag, GRI, Inc., (503) 641-3478, gfreitag@gri.com



**Newsletter Editor:** Charlie Hammond, Cornforth Consultants, Inc., (503) 452-1100, or.aeg.news@cornforthconsultants.com



**Assistant Newsletter Editor:** Darren Beckstrand, Cornforth Consultants, Inc., (503) 452-1100, dbeckstrand@cornforthconsultants.com

**Legislature Chair:** position available

**Continuing Education Liaison:** position available

## THANKS FOR SUPPORTING OREGON AEG!

Columbia Geotechnical, Inc.  
Cornforth Consultants, Inc.  
GeoEngineers, Inc.  
Geo-Tech Explorations, Inc.

GRI, Inc.  
Kuper Consulting  
Northwest Geophysical Assoc, Inc.  
Oregon Department of Forestry

PBS Environmental  
Portland State University  
Portland District COE  
URS Corporation, Inc.



# ELECTION OF OFFICERS AEG OREGON SECTION 2003-2004

Please indicate your vote by circling the name of choice for the following offices. This ballot should be sent to: Rowland French, Oregon Section AEG Secretary, Northwest Geophysical Associates, Inc, P.O Box 1063, Corvallis, OR 97339, fax 541-757-7331. Please return by June 1, 2002. The new officers will be announced at the September meeting.

**CHAIRPERSON: Warren Krager**

Warren has been a member of the Oregon Section of AEG since 1990 and was an associate member for several years prior. He has served as Chair-Elect for the past year. Warren received a B.S. in Geology from Oregon State University in 1985, and has nearly 18 years of consulting geology and engineering geology experience in the Pacific Northwest. \_\_\_\_\_(write in candidate)

**CHAIR-ELECT: Rowland French**

Rowland has devoted over 21 years to applying geophysical techniques to projects in engineering geology, geotechnical engineering, and groundwater resources. He has been active in the Oregon Section of AEG since he moved to Oregon in 1988 and has attended several AEG national meetings as an exhibitor. For the past year he served as Secretary of our section. Rowland received his B.S. in Physics from Dartmouth College and his PhD in Geology from the University of Michigan. Since 1988, Rowland has worked at Northwest Geophysical Associates, Inc. in Corvallis, where he is currently Vice President and manager of geophysical services. \_\_\_\_\_(write in)

**SECRETARY: Brent Black**

Brent has been active with the Oregon Section of AEG since 1993, and before that was a member and president of the Kent State University AEG student chapter in 1990-1992. Brent received his B.S. in Geology from West Virginia University and his M.S. in Engineering Geology from Kent State University. He is currently an Associate Engineering Geologist with Cornforth Consultants and would like to continue his involvement with AEG by participating as a local officer. \_\_\_\_\_(write in candidate)

**TREASURER: Michael Zimmerman**

Michael has been active with the Oregon Section of AEG since moving to Portland in 1997. He received his B. S. in Geological Engineering from University of Missouri-Rolla and M.S. in Geological Engineering from Michigan Technological University. He is currently a Project Engineer/Geologist with GRI in Portland and is registered as a Certified Engineering Geologist and a Professional Engineer in Oregon. Michael would like to increase his involvement with AEG by serving as an officer of the AEG Oregon Section. \_\_\_\_\_(write in candidate)

## CALENDAR

**June 17, Tues: 3rd Annual AEG Beavers Baseball Game, Details and registration coming soon.**

**Sept. 10-12: AEG Annual Fall Meeting, *Engineering with an Altitude*, Vail, Colorado**

**Sept. 26-29: Friends of the Pleistocene Fieldtrip on the Plains south of Astoria**

**Oct. 18: Joint Seminar, AEG Oregon Section-ASCE Oregon Geotechnical Group, *Slope Stability for Transportation Systems*, Portland, Oregon**

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. Email subscriptions are free.

News items are invited and should be sent to: Charlie Hammond, OR Section AEG Newsletter Editor, Cornforth Consultants, 10250 SW Greenburg Road, Portland, OR 97223, email: or.aeg.news @cornforthconsultants.com, phone (503) 452-1100. Electronic media is preferred. Deadline for submittal is Friday three weeks before each meeting.

Please notify Charlie if you have a change to your email or mailing address.