



The Official

# Newsletter

of the Oregon Section Association of Engineering Geologists

Serving Professionals in Engineering, Environmental, and Groundwater Geology

## DECEMBER 2003 SECTION MEETING

GUEST: JONATHAN C. ALLEN, PHD, COASTAL GEOMORPHOLOGIST, DOGAMI

### PRESENTATION: COASTAL PROCESSES AND SHORELINE CHANGE ON THE OREGON COAST DURING THE PAST 30 YEARS

Significant erosion has occurred along the Oregon coast during the past decade, produced by an unprecedented number of major extra-tropical storm systems and the impacts of major El Niños that have caused widespread shoreline erosion resulting in damage to properties and infrastructure and has affected the safety of shipping. The erosion has been especially severe at a number of sites on the Oregon coast, including Port Orford on the south coast and at Rockaway, Neskowin, and Cape Lookout State Park on the north coast. The objective of this presentation is to review the erosion processes driving coastal change along the Oregon coast, discuss the response of selected beaches to recent large storms (e.g. at Port Orford, Neskowin and Cape Lookout State Park) and examine a recent innovative engineering attempt used at Cape Lookout State Park to mitigate beach erosion."

BIO: Jonathan has been with DOGAMI's Coastal Field Office in Newport, Oregon since early 2001. After completing his PhD in Geography in 1998 with studies of shoreline development in South Island, New Zealand he held positions as a coastal consultant for Land and Water Studies (International) Ltd; Research Fellow at University of Canterbury in Christchurch, New Zealand, and Research

Associate at OSU, Corvallis, Oregon. Dr. Allan is also a Courtesy Faculty Staff Member with the College of Oceanic & Atmospheric Sciences, OSU.

Dr. Allan's major research interest is to understand the role of:

- Beach process dynamics in lake and oceanic environments
- Equilibrium beach forms
- Sediment dynamics
- Nearshore processes
- El Nino/La Nina Southern Oscillation
- Wave climates
- Shoreline management
- Coastal Hazards

Dr. Allan's has authored or co-authored numerous publications, and some of the more recent publications have been on topics of erosion hazard assessments; and various forms of erosion protection including cobble berms, reinforced dunes and dynamic revetments.



**This Month's Meeting is on Tuesday December 16**

**Old Market Brew Pub**  
**6959 SW Multnomah Blvd**  
**Portland (Garden Home),**  
**Oregon**

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

Pizza and Salad  
 \$13 dinner (\$6.50 for students)

Call URS at 503-222-7200 by 4 pm  
 Friday Dec. 12 with your  
 reservation. There is a \$2.00  
 surcharge for those who do not  
 reserve by the deadline -

so call now!

## MESSAGE FROM THE CHAIR

I mentioned a couple of months ago that AEG has emerged from a positive financial reorganization of our association and moved to our own headquarters with a talented full time administrator. We are now in a position to move forward with planning for the future and developing a program that will guide AEG's growth in the coming years. Part of this planning involved a workshop held with our Board of Directors at the end of the Vail meeting to produce AEG's Mission, Values, and Vision Statements. A draft Mission, Values, and Vision statement has been prepared and is presented below for your review and comment:

### **Mission Statement**

The Association of Engineering Geologists (AEG) provides stewardship, leadership, and advocacy in developing, applying and disseminating knowledge in environmental and engineering geology.

### **Values Statement**

AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. In support of serving an international network of environmental and engineering geologists devoted to excellence, AEG

- upholds sound principles of scientific inquiry, with respect to the study and evaluation of the Earth's processes, their impact on humans, and the human impact on the Earth;
- encourages and facilitates ongoing education and training as well as supporting members in their dedication to their work;

- builds public appreciation for how environmental and engineering geology contribute to public safety and the protection of property.

### **Vision Statement**

AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

AEG offers information on environmental and engineering geology useful to practitioners, scientists, students, and the public. Other geoscience organizations recognize the value of using and sharing AEG's outstanding resources.

AEG leads the profession in its advocacy for:

- Legislation
- Professional Registration
- Regulation
- Codes and Standards as each affects the practice of applied geosciences.

AEG's efficient administration assures representation for all its members. Its outstanding staff assists members with a wide range of services that enable them to be more effective in their professional lives. Staff regularly review and modify these services to adapt to the membership's changing needs.

AEG's membership continually grows. Members are attracted by the educational and networking opportunities, and the quality services provided.

AEG works in positive, dynamic relationships with other geoscience

and related organizations, constantly seeking innovative ways to leverage combined strengths by working together on joint meetings and publications.

AEG invites you to participate in our organization's future by reviewing and commenting on the draft AEG's Mission Values, and Vision Statements on the [aegweb.org](http://aegweb.org) website. To participate in the review process, please point your browser to [www.aegweb.org](http://www.aegweb.org). Access the Member Services section of the site by logging in (in the left-hand corner of the site, you are asked to enter your member number and password – if you do not know these, contact Becky Roland at [broland@aegweb.org](mailto:broland@aegweb.org) who will e-mail that information to you). Once you have entered the Member Services section of the site, scroll down and select the button to enter the AEG Message Board, and then the "Mission, Vision and Values Statements Discussion" forum. Please post your comments here so that they are available for review by others. Our intent is to develop an electronic conversation that will help in developing final statements that reflect the views of the majority of AEG's members. In preparing the final statements, we will consider all comments and suggestions posted in this manner by the deadline at the end of January.

I look forward to seeing you at our December Meeting.

*Sincerely,*

*Warren Krager*

*AEG Oregon Section Chair*

## NEW OREGON SECTION AEG WEBSITE

Oregon Section AEG is pleased to announce the publication of our Section website at [www.aegoregon.org](http://www.aegoregon.org). The site provides the AEG Mission Statement, a Section directory with

officer email links, meeting information, past newsletters, Section historical documents, and popular links for AEG, GSA, and DOGAMI. Thanks to Jane Feinberg with GRI

for putting the site together. Feel free to send any comments or suggestions on the site to George Freitag at [gfreitag@gri.com](mailto:gfreitag@gri.com).

## 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

**"Seeking Old AEG Annual Directories":** If anybody has any pre-1997 AEG annual directories, please email George Freitag, History Chair at [gfreitag@gri.com](mailto: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](mailto:or.aeg.news@cornforthconsultants.com)

## OREGON SECTION OFFICERS & COMMITTEE CHAIRS



**Chair: Warren Krager**, PSI, Inc., (503)978-4727, [wkramer@aol.com](mailto:wkramer@aol.com)

**Chair-Elect: Rowland French**, Northwest Geophysical Associates, Inc., (541)757-7231, [rowland@nga.com](mailto:rowland@nga.com)



**Secretary: Brent Black**, Cornforth Consultants, Inc., (503)452-1100, [bblack@cornforthconsultants.com](mailto:bblack@cornforthconsultants.com)

**Treasurer: Mike Zimmerman**, GRI, Inc., (503) 641-3478, [mzimmerman@gri.com](mailto:mzimmerman@gri.com)



**Past-Chair: Ruth Wilmoth**, Columbia Geotechnical, (360)944-7397, [cgivanc@aol.com](mailto:cgivanc@aol.com)

### **PSU Student Chapter**

**President: Eve James**, [evejames1@yahoo.com](mailto:evejames1@yahoo.com)

**Program Chairs: Julie Griswold**, [griswold@pdx.edu](mailto:griswold@pdx.edu)



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



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

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

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



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



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**Legislature Chair: Dorian Kuper**, Kuper Consulting, Inc., (503) 638-9722, [dkuper@cybcon.com](mailto:dkuper@cybcon.com)

**Continuing Education Liaison: Andrew Harvey**, PBS Environmental, [andrew\\_harvey@pbsenv.com](mailto:andrew_harvey@pbsenv.com)

# FROM THE SECTION MEMBERSHIP CHAIR

In the newsletter last March, I reported on the “where” (geographic distribution) of our section membership. While scanning the November version of the section list, including the 39 members yet to renew their dues (you knew I’d mention it somewhere ....), I noticed that it includes the dates that we all joined AEG. And since it’s the afternoon before Thanksgiving holiday, and *really* quiet, I thought it might be interesting to summarize the “when” of our section.

The November list has 139 names, including all categories (regular members, students, affiliates, and emeritus). For all but two, the date of membership is shown. It appears that the date refers to the time a person first joined AEG: for example, the date of student membership, not the later upgrade. I can’t tell whether a later date is shown if someone had a break in membership. (Avoid this danger – renew today!)

The histogram shows the distribution. The bins are five years “wide” (e.g., 1/1/60 to 12/31/64), except for the current period.

Obviously, there is a fairly consistent trend, with a large proportion having come aboard in more recent years. More than half of

the section’s current members have joined in the last nine years, which we take as a sign of professional and organizational vigor (and not just the demographic forces that tend to shrink the numbers of older members).

The slight bump in the curve in the 1970s is interesting: more of us joined in the 1970s (20, including six in 1973) than in the 1980s (18). It may be merely a statistical glitch; or perhaps a reflection of the peak graduation years of the boomers, many of whom (of us) majored in geology and entered the profession about then.

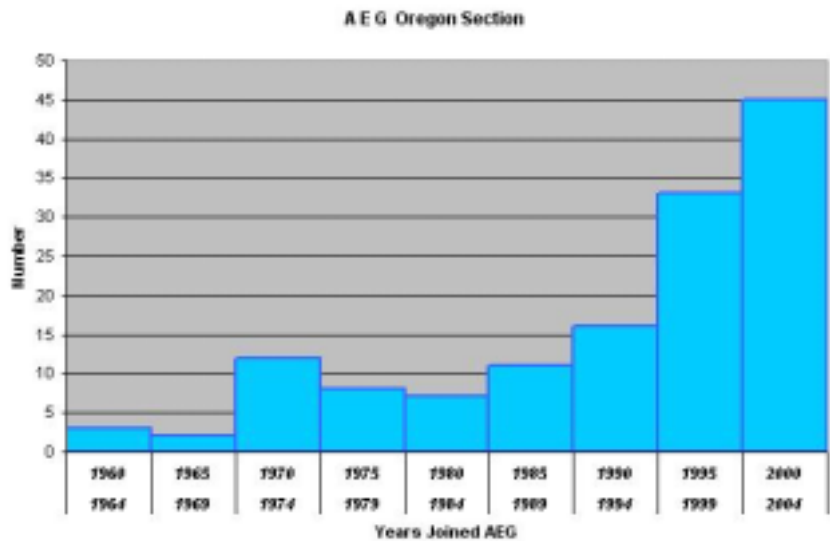
We should also note the elders at

the left end of the graph. Five current members joined AEG in the 1960s, three of them even predating the establishment of the Oregon Section in April 1965. They 1960s cohort includes:

- B.G. Hicks Jan 1961
- Douglas Williamson Aug 1961 (original section chair, 1965)
- Richard Gullixson Aug 1963
- James Jepperson Jan 1966
- Roger Paul Feb 1968

*Happy holidays, and good 2004 –  
Matt Brunengo  
Membership Chair*

(To join or renew membership in AEG, go to [www.aegweb.org](http://www.aegweb.org))



## THANKS FOR SUPPORTING OREGON AEG!

- Columbia Geotechnical, Inc.
- Cornforth Consultants, Inc.
- GeoEngineers, Inc.
- Geo-Tech Explorations, Inc.
- GRI, Inc.
- Kuper Consulting
- Northwest Geophysical Associates, Inc.
- PBS Environmental, Inc.
- PSI, Inc.
- Portland State University
- Portland District COE
- URS Corporation, Inc.

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](mailto: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.

## SPECIAL NOTICE

**Special thank you to the Oregon Section** – All of you are great! I was really moved when you surprised me with a case of wine at our meeting two months ago! I felt really proud being president of AEG last year and

being from the Oregon Section. I got a chance to visit most of the sections across the US last year, and I have to say that we are one of the best in AEG, if not the best! We have a vibrant and fun group, dedicated to our profession. I am proud of each of you! Thanks for being so nice with the wine gift – we will have to find a way to drink it together!

*Scott Burns, Past President, AEG*

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## ENG. GEO. PSU COURSES

### **Engineering Geology Related Courses Being Offered Winter Quarter at Portland State University:**

(Classes go from January 5 to March 19, 2003; For more information, contact Scott Burns at 503-725-3389 or look online at [www.pdx.edu](http://www.pdx.edu).)

#### **Course #Course Title, Days/Time, Professor, Credits**

G570: Engineering Geology, TuTh 17:15-18:30, F 15:00-17:00, Scott Burns, 4 credits

G524: GIS for Natural Science, TuTh 16:40-17:20, Tu 17:30-20:30, Dave Percy, 4 cr

G520: Applied Geophysics, TuTh 14:00-15:50, F 12:45-14:35, Cruikshank, 4 credits

G618: Clay Mineralogy, MW, 16:40-18:30, Georg Grathoff, 4 credits

CE 510: Urban Hydrology, MW, 8:00-9:50, D. Crawford, 4 credits

CE 542: In Situ Soil Testing, MW, 12:00-13:50, Trevor Smith, 4 credits

CE 565: Watershed Hydrology, TuTh, 12:00-13:50, Roy Koch, 4 credits

CE 510: Water Quality Chemistry, MW 16:00-17:50, Bill Fish, 4 credits

PS: If you are sitting for the CEG exam, the Engineering Geology course is a perfect review for the exam. It is offered every two years.

Oregon Section AEG Newsletter  
c/o Cornforth Consultants, Inc.  
10250 SW Greenburg Road, Suite 111  
Portland, OR 97223

«**FirstName**» «**LastName**»  
«**OrganizationName**»  
«**Address**»  
«**City**», «**State**» «**PostalCode**»

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## AEG OR CALENDAR

**Dec. 10:** Meeting of the State Board of Geologist Examiners, 1:00 pm, Room 200 of Cascade Hall, U of O Campus, Eugene.

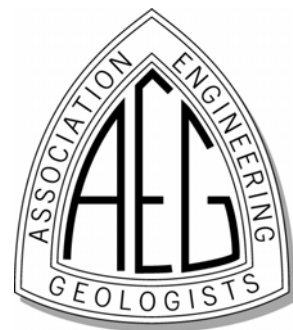
**Jan. 14, 2004:** ASCE-AEG joint meeting at Greenwood Inn, Larry Pearson and Mike Meyer, Landslide Technology, Third Avenue Bypass in Ketchikan, Alaska

**Feb. 17:** Steve Hinkle and Dave Morgan, Portland Water Resources/USGS, The effect of Development (Septic Systems) on Nitrate Concentration in Groundwater in the LaPine area, Oregon

**Mar. 16:** Rick Lahusen, USGS CVO, Real-time monitoring of debris flows

**Apr. 20:** Student Night

**May. 18:** George Priest/Charlie Hammond, Johnson Creek Landslide



OREGON SECTION