



Serving Professionals in Engineering, Environmental,  
and Ground Water Geology

OREGON SECTION

# NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

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## OCTOBER MEETING:

Speaker: **John D. Beaulieu, Ph.D.**  
**State Geologist - Oregon**

Talk: **“Overseeing Excellence in the Public Practice of Geology”**

Date: **Thursday, Oct. 18, 2001**

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

Where: **Billy Reed's Restaurant & Bar**  
located at The Standard Dairy at:  
2808 NE MLK Jr. Blvd  
one block North of Knott St.  
for specific directions see: <http://www.billyreeds.com/directions.html>

Menu:                    \$14.00/Buffet (Request preference - Bourbon Chicken, or Deep Pan Salmon)

**Reservations:** Call URS at: 503-222-7200 by **4 PM, Monday (10/15/01)** request preference on dinner  
**“A reservation made is a reservation paid.”** Please call to cancel if you can not attend. Thank you!

# ABSTRACT

## Overseeing Excellence in the Public Practice of Geology

John D. Beaulieu

The public practice of geology overlaps in ways with the public practice of many other professions. In fact, this type of situation is endemic to all registrations. A legislator once asked me how far up the leg a podiatrist could go before he needed to be registered as a proctologist. Regarding geology as a profession, 29 states have registration and 9 others have more limited regulations. Four states have signed memoranda of understanding between geologists and engineers. Only two states have registration of engineers plus registration of certified engineering geologists.

Both registrations (geologists and engineers) claim to be looking out for the public good and to be relying on ethics, personal education, training, and good judgment in overseeing excellence in the public practice of their professions.

Problems arise occasionally when a professional practices out of his profession, practices out of his expertise, or is perceived as doing either. How to resolve these situations was the subject of SB 447 in a way, and is the subject of the recently negotiated MOU between the respective Boards for geology and engineering. Elusive boundaries between the professions and the legal thicket surrounding both registrations can add fuel to the fire, if one is inclined to set one.

The MOU takes a different approach. Simply stated, it proposes that the Board registering the person or act in question handle the disposition of the case. The Boards will cooperate on tough issues. Where jurisdictional disagreement is found, the two Boards will work together through a joint compliance committee. So wise are those on the committee (yet to be appointed) that the parties even agree to meet once a year to discuss topics of common concern, even when there are no problems.

Oregon is a challenging state. Geologists and engineers must continue to work together to solve the problems that confront any society that chooses to live here. The Boards must also work together. Overlapping professions are better than professions that do not link up at all. With the MOU in hand the Boards hope to better resolve existing cases and to address future cases equitably, effectively, and punctually.

## Biographical Sketch

### JOHN D. BEAULIEU, Ph.D., STATE GEOLOGIST-OREGON

Directs policy, financial management, staff supervision, and technical performance of the Agency in cooperation with the Legislature, Governing Board, the Governor's office, and other agencies at the state, federal, and local level. Emphasis includes disaster resilience on a statewide basis, the development and use of geoscience-based information for problem solving, basic geologic mapping, and regulation of the exploration and production of geologic resources in the state. Registered as Certified Engineering Geologist in Oregon. Served as Deputy Director to the Agency from 1977 to 1999. Served as Associate Professor of Geology at the University of Oregon from 1969 to 1970. Educational record includes 1971 Stanford University (Ph.D. Geology), 1966 University of Washington (BS Geology) and 1966 Phi Beta Kappa.

Significant recent contributions include: 1998 Contributor: Monograph on Seismic Zonation (A Framework for a Seismic Zonation Geographic Information System: Advances in Understanding Since 1990: Oregon's Earthquake Hazard Mapping Program; Paris, France. Sponsored by UNESCO, USGS, AFPS 1997), Invited speaker at the Second US/Japan Earthquake Policy Symposium, Kobe, Japan (part of the US/Japan Earthquake Disaster Mitigation Partnership under the Common Agenda in Global Perspective overseen by Under Secretary of State for Global Affairs) and assistance with state legislation related to earthquakes and tsunamis, between 1985 and 2001.

# **Message from the Chair (October 2001)**

## **Annual AEG-AIPG Meeting and Board of Directors Meeting**

My attendance at the Annual Meeting in St. Louis was a great opportunity to meet members from other sections and represent the Oregon Section at the Board of Directors meeting. The American Association of Professional Geologists (AIPG) held their annual meeting jointly with ours. Charlie Hammond attended the Board meeting as a guest, and was extremely helpful in introducing me to AEG officers and preparing for association meetings. Other local members at St. Louis were Dave Michael, Scott Burns, and David James. The meeting was well attended with only a small number of cancellations due to the recent air travel security concerns. The Chair of the South African section even made it to the annual meeting. I heard that the meeting did better than "break even", and the financial surplus will be shared with the St. Louis section and the Association. A highlight of the meeting was a reception event at the Gateway Arch. The Arch was reserved exclusively for our AEG group and gave us the opportunity to go to the top of the Arch and to see a movie on its construction. I don't know who performed the geological and geotechnical work for the arch, but it was definitely the highlight job of a lifetime.

The Board of Directors meeting was long and productive. Association officers assumed their new responsibilities with Myles Carter from Montreal, Canada as President and Scott Burns as Vice President/President Elect. Chris Mathewson will continue as the AEG Executive Director. Association headquarters will remain at Texas A&M University while relocation options are studied. Denver looks like the current top candidate for headquarters relocation. A new fiscal management policy was approved that will help improve long-term financial planning for the Association. The Board discussed a policy to allow the formation of Chapters within Sections that cover large geographical areas. Members of a Chapter could meet in their local area and be supported by the larger Section. The Board would like to get input from remote members on their needs prior to approving this policy.

As you probably noticed with your dues statement, the annual dues and Section fees for a calendar year are now payable by October 1 of the previous year. This will not affect your receipt of publications. Membership still runs for a calendar year (January to December). The dues payment date change was just to match changes in the Association fiscal year.

AEG membership has been increasing during the past year; membership for the 2001 year was 3113. More than 725 Associate Members were automatically upgraded to full Member status last year. Increasing membership and providing value to members is a major priority for all Sections. Student membership has increased nationally, and an important goal is to keep them as members after they graduate. The number of corporate sponsors also increased from 17 in 2000 to 33 in 2001. Corporate sponsorship helps support AEG and advertises the sponsor's services in the AEG News, Annual Report and Directory, web page, and local newsletter. A portion of the corporate sponsor fees also go back to the local Section.

Other items of discussion at the Board meeting were the creation of an Outstanding Section Award and an Outstanding Student Chapter Award. The criteria for these awards are being developed. AEG's proposed policy on seismic safety and proposed policy on site characterization are still in committee discussion. Annual meeting siting guidelines were approved. The 2002 meeting will be in Reno, Nevada, and the 2003 meeting will be in Vail, Colorado. Future meeting locations are planned for Detroit (2004), Las Vegas (2005), Boston (2006), San Diego (2007), and New Orleans (2008).

## **International Building Code**

On behalf of the Oregon Section, Dave Michael reviewed and submitted comments on language for the International Building Code (IBC) to the Building Codes Division of the Oregon Department of Consumer and Business Services. The Structural Engineering Committee requested comments on additions or deletions

to the IBC language prior to possible adaptation of the IBC by the state. Dave reviewed Section 1610, Section 1704.7 and Chapter 18 “Soils and Foundations”. We recommended that the description of special inspections in Section 1704.7 include language that the inspections be done by someone with a competent background in soil and rock investigations and familiar with the interpretive model used to make the project recommendations. We further recommended including language that the inspections are usually best accomplished by the professional or a subordinate of the professional or firm that made the investigation and recommendations to the design effort.

Section 1802.1 “General” states that classifications and investigations of soil shall be made by a registered design professional, but did not define the qualifications of the “registered design professional”. We recommended adapting a short definition of “registered design professional” that would include Certified Engineering Geologists (registered under ORS 672).

### **This Month's Meeting**

The food was good at last month's meeting at Billy Reeds and the location was convenient. Our October meeting will be in the upstairs room at Billy Reeds. We can get pitchers of draft beer delivered up to the room. Our speaker for this month's meeting will be John Beaulieu, State Geologist with DOGAMI. He will give us an update on the issues of the state regulation of professional practice by engineers and geologists. I'm sure that he will also welcome any questions you have about DOGAMI activities.

See you at the dinner meeting.

Drew Harvey  
AEG Oregon Section Chair

# ***Short News Items***

**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)  
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

## **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](mailto:yeatsr@geo.orst.edu). Coordinators for participating societies are Jack Meyer (NWEA) at [h2m@nwnatural.com](mailto:h2m@nwnatural.com), Scott Burns (AEG) at (503)725-3389, [burnss@pdx.edu](mailto:burnss@pdx.edu), Jeff Myers (PS) at (503)838-8165, [myersj@wou.edu](mailto:myersj@wou.edu), and Peter Wampler (NAGT) at (541)758-8418, [wamplerp@geo.orst.edu](mailto:wamplerp@geo.orst.edu).

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

## AEG PARTICIPATION AT THE GSA CORDILLERAN SECTION MEETING, MAY 2002

AEG will be participating at the GSA Cordilleran Section Meeting in Corvallis, Oregon, May 13-15, 2002. A preliminary announcement will be forthcoming in an upcoming GSA Today publication.

This notice is a feeler to determine what the level of interest might be for participating in a special session on engineering geology of landslides. If you are interested in participating in a landslide theme session at this conference, please contact Scott Burns (503-725-3389, [burnss@pdx.edu](mailto:burnss@pdx.edu)) or Charlie Hammond (503-452-1200, [charlieh@landslidetechnology.com](mailto:charlieh@landslidetechnology.com)). The proposed theme session information is as follows:

### ENGINEERING GEOLOGY CASE HISTORIES OF LANDSLIDES

*GSA Engineering Geology Division; Association of Engineering Geologists*

Scott Burns, Portland State University, Portland, OR, and Charles Hammond, Landslide Technology, Portland, OR

Landslides are intimately connected to geology, and engineering geologists are a critical part of landslide investigation, modeling, analysis and mitigation. Experienced practitioners will provide insights into critical issues of landslide evaluation, and case histories covering a variety of landslide impacts at various levels of owner requirements.

#### CONCEPT OUTLINE FOR THEME SESSION

Presentations could include one or more of the following topics:

##### **Introductory**

When are Slides a Risk to Man and/or Environment

Understanding Owners Needs and Abilities

Mapping and Modeling

Methods of Investigation and Monitoring

Stability Analysis and Understanding Factor of Safety

Mitigation Techniques

##### **Settings**

Home, development, railroad, highway, forest, utility (gas, water, power, other), marine, mining, other

##### **Level of Evaluation**

Seat-of-the-Pants

Limited/Specific

Thorough

Cost is Not an Issue

Other topics are also encouraged

# 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> (360) <b>944-7397</b> e-mail <a href="mailto:cgivanc@aol.com">cgivanc@aol.com</a>		(360) <b>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> (541) <b>757-7231</b> e-mail <a href="mailto:rowland@nga.com">rowland@nga.com</a>			(541) <b>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> (541) <b>9457468</b> (503) <b>626-2968</b> <a href="mailto:Jhinkle@odf.state.or.us">Jhinkle@odf.state.or.us</a>			
	<b>Tim Richter</b> <b>948-7213</b>			<b>222-4292</b>
	<a href="mailto:Tim_richter@urscorp.com">Tim_richter@urscorp.com</a>			
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 Feitag</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***

***Oct. 18, 2001***  
***AEG***

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