



Serving Professionals in Engineering, Environmental,
and Ground Water Geology

OREGON SECTION

NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

Nov. 1998

VOLUME 98, NUMBER 11

NOVEMBER MEETING:

Speaker: Keith Mills P.E.
Geotechnical Specialist
Oregon Department of Forestry, Salem

Title: ***"Landslides and Public Safety in Oregon"***

Date: **Thursday, Nov. 19, 1998**

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

Where: Widmer Gasthaus "banquet room"
Located north of the Rose Quarter west of I-5
(almost under the 405 bridge, near the Lone Star Dome
on the corner of N. Russell and N. Interstate)

Menu: "Garden Burger," "Bratwurst Sausage Sandwich" or "Bourbon Buck Burger"

Reservation: Call the receptionist at David Newton and Assoc.,(503) 228-7718.

Background on speaker:

Expertise: Landslides, erosion, roads, forest practices and water quality

Experience: first ODF geotechnical specialist 15 years ago, investigation of many hundreds of landslides, rule development, field investigations for road construction and timber harvesting, interagency coordination, design of first ODF landslide monitoring program in 1988.

Education: M.S. in Civil/Geotechnical Engineering, OSU
B.S. in Forest Engineering, OSU

Current/Recent Projects:

- * Facilitator, State interagency technical team for implementation of the "Governor's Debris Avalanche Action Plan"
- * Technical advisor, Joint legislative task force on landslides and public safety
- * Project coordinator, ODF/OSU road sediment monitoring
- * Project leader, Oregon debris flow warning system
- * Project coordinator, Road erosion hazard and risk reduction project (part of the Oregon Salmon plan)
- * Project leader, western Oregon debris flow risk mapping project
- * Landslide methods coordinator, ODF Storms of 1996 study

Abstract:

"Landslides and Public Safety in Oregon" will summarize this issue in Oregon, and describe State of Oregon activities to mitigate some of the problems. The storms of February 1996 resulted in significant property and infrastructure damage. It was followed by a November storm where 5 people were killed in two debris flows. Shortly thereafter, the Governor's office developed the "Governor's Debris Avalanche Action Plan." This plan included a call for: voluntary deferral of timber harvesting on high risk sites above homes; public education; mapping debris flow hazard; developing a warning system; and many actions designed to keep homes from being constructed in precarious locations. Soon thereafter, the legislature passes Senate Bill 1211, which temporarily prohibited road construction and timber harvesting in certain locations, called for highway closures and better informing homebuyers of hazards, and created the "Task Force on Landslides and Public Safety". This task force held its final meeting on October 5th. They recommended: more specifically sharing responsibility for reducing landslide hazards (agencies, homeowners, road users and managers, and forestland owners); giving the Board of Forestry permanent public safety authority for landslide regulation; preventing re-construction in hazardous areas; and disclosing natural hazards during real estate transactions.

Message from the Chair:

Last month's meeting was great! Dave Zimbleman talked about the "*Edifice Failures of Cascade Volcanoes*" We had about thirty attendees at the Old Spaghetti Factory.

I discussed the National Board Meeting and the concept of possibly altering the structure of the national AEG. I asked for input (the stuff I put in the last newsletter and a little more). I will keep all of you informed on the progress of the "sub-committee" as it develops, but I would like to know your thoughts on national AEG and the Oregon Section representation, if you have any!

This month's talk is Keith Mills reporting on the status of the forest landslide issue. As you know Mike Long gave input to the committee to study the forest landslide "public safety" issue and discussed that input with us in September. Keith will detail what has been done and what the direction appears to be. There is likely to be consulting work for interested C.E.G.'s and Geotechnical Engineers coming in the future.

We are trying to line up speakers for this season and welcome any suggestions or volunteers! Please call Dave Michael or any other AEG Section officer (Charlie Hammond, Diane Murbauch, Monte Murbach, or Scott Burns).

Charlie Hammond the Treasurer for the 1997 National Meeting, Oregon Section AEG has recently presented the section with a check for just over \$3,000 as final payment from the 1997 meeting. This is great for the local section and represents some financial security for the future.

There is however, reason to seek further financial support for our section. We have just voted to shorten the term of Oregon Section officers to one year, from two. For the sake of continuity we will now send both the chair and chair-elect to the mid-year National AEG Board Meeting. This will cause increases in financial responsibility. So we all need to be thinking of good ways to increase the Oregon Section income. If you have any ideas for fund-raising please contact one of the section officers.

Thanks and see you at the meeting!

Dave Michael, Oregon Section Chair 1998

Board of Geologist Examiners the new address and phone numbers for the Board is:

Board of Geologist Examiners
726 Hawthorne Ave. NE
Salem, OR 97301
Phone: 503 362-2666
Fax: 503 362-5454
New "Web Site Address" WWW.OSBGE.ORG

Short news items:

1999 National Meeting in Salt Lake City: Yes it's early but make plans to attend. We have had two great meetings in a row and this one will be number three!

Membership Chair: Tim Blackwood is the new Membership chair. Tim works for Geo-Engineers and can be reached at (503) 603-6663 at work.

Pacific Northwest Mining and Metals Conference April 11-13, 1999 in Portland at the Doubletree at the Lloyd Center. AEG will participate in this conference. We will host two sessions in environmental geology and one in aggregate mine reclamation. Our two groups combined with the GSA group of Portland State to put on a fine meeting in the spring two years ago at the same place call Dave Michael 359-7884 or David James 252-3940 if you have interest and or questions.

Southern Oregon Meeting! We have a meeting this month in Eugene with a very relevant topic for the Southern portion of Oregon, "expansive soils" Gunnar Schlieder has organized a meeting for the folks in the south! Thanks a lot to Gunnar for this effort and for the talk itself. If you have questions about this meeting Call Gunnar Schlieder at GeoScience, Inc. (541) 607-5700 or Dave Michael (503) 357-7448.

AEG Homepage: check it out: [http:// www.aegweb.org](http://www.aegweb.org)

ASBOG Exam: Portland State University Geology Department is now doing a review course for the ASBOG state exam. Call the department at 725-3022 for more information. The spring exam will be March 19th, 1999 and cutoff for applications is February 1, 1999. Contact Ed Graham in Salem at 503-362-2666 for more information.

Now available at Portland State: Graduate Certificates in Engineering Geology, Environmental Geology, Hydrogeology, and Hydrology. These certificates are between a BS and an MS degree. They take only 18 hours of graduate work in the subject matter and have no thesis with them. Most of the courses are in the evenings. Call Scott Burns for more information: 725-3389.

Selection of the 1999 Richard Jahns National Lecturer: Mavis Kent of Oregon DEQ. This award goes every year to someone who AEG and GSA Engineering Geology Division feels will carry the news of engineering geology to geology departments and AEG sections around the country. Mavis Kent was president of AEG in the late 1980's and now lives in Battleground, Washington. She is the first female to be selected for this award; she is the first regulator, and the first person to be talking about environmental geology. Her title is still being worked up, but will be something like "Basic Geology Still Counts in Environmental Evaluations". She was selected by a committee from GSA and AEG and will start her lecture tour in January.

ASCE monthly meeting: Nov. 4, 1998, Bill Hegge, Squier Associates, "Lateral load tests, Bonneville Juvenile fish bypass system", 8:00 PM. Sweetbrier Inn, Tualatin; call AGRA 639-3400 for reservations for dinner which is \$18.

"AEG - OFFICERS"

1996 - 1998

(* - means area code 541)
(N.M. - means National Meeting)

Position	Name	Telephone		
		Daytime	Home	FAX
Chair Newsletter	Dave Michael “	359-7448	357-0238	357-4548
Chair-Elect	Charlie Hammond	452-1100	274-1437	452-1528
Secretary	Diane Murbach	538-8352	538-8352	538-8353
Treasurer	Monte Murbach	228-7718	538-8352	228-7781
Past Chair	Scott Burns	725-3389	692-9618	725-3025

MEMBERSHIP

For application forms for Membership in the National AEG, call Tim Blackwood the membership chair at (503) 606-6663 (w). He will also have copies at the monthly meetings. Membership is on a calendar year basis. If you are a national member, they will collect our local 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 a national member, fill out the form below and mail to Monte Murbach. Note: the following form is only for people and organizations that wish to subscribe to the Oregon AEG Newsletter without being members of the national AEG.

APPLICATION FOR LOCAL MEMBERSHIP IN OREGON SECTION, AEG:

NAME _____

AFFILIATION: _____

MAILING ADDRESS: _____

TELEPHONE: _____

Mail form and \$10 to Monte Murbach, David Newton & Associates, 1201 SW 12th. Ave. Suite 400, Portland, OR 97205.

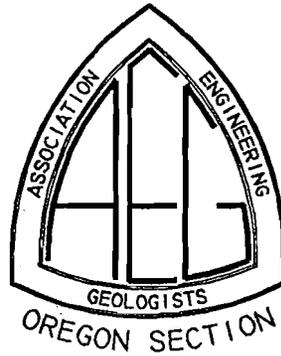
ANNOUNCEMENT OF OUR NEXT EXCITING MEETINGS

November 12 (SOUTHERN = EUGENE, OR)

&

November 19 (Portland, OR)

AEG

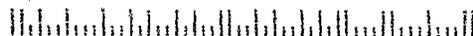


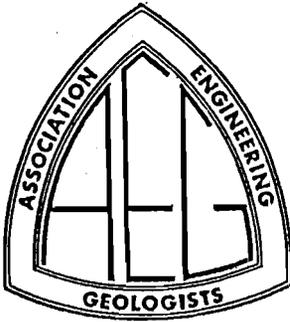
*Dave Michael, Editor
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OCT 31 1998

**Charles M. Hammond
Cornforth Associates
10250 SW Greenburg Rd. #111
Portland, OR 97223-5460**





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NOVEMBER SOUTHERN MEETING:

Speaker: Gunnar Schlieder, Ph.D., GeoScience, Inc.

Title: ***"Up and Down in Eugene-Springfield: Two Case Studies of Expansive Soil"***

Date: Thursday, November 12, 1998

Times: 6:30 PM Beer and Dinner
7:30 PM Talk
8:00 PM More Beer?

Where: West Brothers Bar B Que, Pub Room
844 Olive Street
Eugene

Menu: Order off the standard menu, the place has everything from mac-cheese through burgers to wonderful BBQ items. It's also a brew pub...

Reservation: Call Judy at GeoScience, Inc., (541) 607-5700

Directions: From North or South: I-5 to 105 West to Eugene. Take 105 to the end, make left onto 7th Avenue (East); get in right lane. 4 Blocks to east, R (South) on Charnelton Street. 1-1/2 blocks, park in Symantec parking lot on left side.

Background on speaker:

Ph.D., Lehigh University, 1989: "Glacial Geology and Chronology of the East Flank of the Patagonian Andes, Between Latitude 39° and 41° South".

20 years professional experience in mineral exploration, geologic mapping, aquifer mapping, and environmental and geotechnical investigations. 9 years professional experience as consulting geologist in Oregon.

President of GeoScience, Inc. a geotechnical and environmental consulting company. Dr. Schlieder specializes in foundation investigations, slope stability assessments and slope failure mitigation.

Abstract:

(1) A 2-year case study to quantify seasonal vertical movement of foundation elements at a 20-year old apartment complex in Eugene. Documentation of the effect of vegetation and solar exposure. Initial results of low-cost mitigation efforts. (2) Quantification of the expansion of a compacted high liquid-limit clay upon hydration. The material was obtained from the site of the Springfield Utility Board (SUB) East Side Substation, now under construction next to Highway 126 near 79th Street in Springfield. Results indicate that significant vertical movement is expected due to seasonal moisture variations. Discussion of the engineering solutions to minimize impact on the substation transformer units. (3) Implications of these findings for construction projects in the southern Willamette Valley. (4) Suggestions for mechanism of some slope movements in areas underlain by certain Tertiary igneous and sedimentary rock units.