Serving Professionals in Engineering, Environmental, and Ground Water Geology

OREGON SECTION

NEWSLETTER

The Official Newsletter of the Oregon Section Association of Engineering Geologists

February, 2002 VOLUME 02, NUMBER 2

FEBRUARY MEETING:

Joint meeting with ASCE & ASCE Geotech

Speaker: *DR. EVERT HOEK*
North Vancouver BC, Canada
TERZAGHI LECTURER

Talk: ***"Rockfall Hazards"***

Date: **Thursday, Feb. 21, 2002**

Times:	5:45 PM	Social hour
	6:45 PM	Dinner
	7:45 PM	Presentation

Where: **Greenwood Inn,**
0700 SW Allen, Beaverton,
503-643-7444

Menu: $25. Vegetarian dish available if requested at time of reservation. Please note that Greenwood Inn can no longer accept credit cards. Cash or checks only please. $12 for students.

Reservations: please call Michelle Dodgson or Amy Muniz at GRI at (503) 641-3478, or Jane Phifer at (503) 399-7312 or oaci@teleport.com, by noon on Tuesday, February 19, 2001. Cancellations must also be received by this date. ***We must charge for all dinner reservations.***

ABSTRACT

Rockfall Hazards

Based on case histories from Hong Kong and India, the issue of acceptable risk of rockfalls on highways will be discussed. Under some circumstances road users can be exposed to significant risks and methodologies for assessing these risks and for deciding upon their acceptability will be discussed. When the risks are found to be unacceptably high, various methods for rockfall control have to be evaluated and typical options that are available will be illustrated. More information is available in Hoek's Corner at www.rocscience.com <http://www.rocscience.com/>.

BIO

TERZAGHI LECTURER, DR. EVERT HOEK
North Vancouver BC, Canada

Dr. Hoek was born in Zimbabwe and obtained his bachelor's degree in mechanical engineering from the University of Cape Town in South Africa in 1955. He specialized in stress analysis and strength of materials for his MSc thesis in 1958. He was awarded a PhD by the University of Cape Town in 1965, a DSc in Engineering by London University in 1975 and an honorary DSc by the University of Waterloo in 1994.

He was Reader and then Professor of Rock Mechanics at Imperial College, London, from 1966 to 1975. From 1975 to 1987 he worked for Golder Associates in Vancouver, Canada and was Chairman of the Board of Directors of the company from 1983 to 1987. From 1987 to 1993 was Industrial Research Professor of Rock Engineering in the Department of Civil Engineering at the University of Toronto. He returned to a full time consulting practice in Vancouver in 1993. He is now an independent consultant and is a member of a number of consulting boards and a technical review consultant on several major international civil engineering projects in Greece, Portugal, India, Indonesia, the Philippines and Canada.

His awards include election as a Fellow of the Royal Academy of Engineering, (1982), Rankine Lecturer (1983), Gold Medal of the Institution of Mining and Metallurgy, (1985), Müller Award, International Society of Rock Mechanics (1991), William Smith Medal, Geological Society of London, (1993), Glossop Lecturer, Geological Society (1998),Terzaghi lecturer (2000) and election as a Fellow of the Canadian Academy of Engineering (2001).

Message from the Chair (February 2002)

January's Meeting

Anne MacDonald, Senior Project Manager with URS, gave a very interesting and lively talk on the role of geoscientists on habitat restoration teams. She emphasized that the understanding of geomorphic processes, site geology, hydrology, and meteorological events is critical in designing successful habitat restoration projects. Anne's recent work on a stream restoration project along the Mt. Hood Highway showed us how the restoration team planned the location of new channel segments to move the stream away from the highway edge. Goals of the project are to maintain long-term stability of the new channels and create new habitat structures. Input of geological information was needed to help determine the site response to both small-scale, limited disturbance (dynamic equilibrium) and large-scale, long term disturbance (catastrophic processes). When the work is completed, it would be a good location for a field trip to see the results.

February Joint AEG/ASCE Meeting

I hope that many of our Section members can attend our joint meeting with ASCE Geotechnical Group. This annual joint meeting is a great opportunity to enjoy a good dinner and a great talk along with our geotechnical engineer colleagues. Dr. Evert Hoek will give a presentation on rock slope hazards and engineering geology. The issue of acceptable risk of rockfalls on highways will be discussed using case histories from Hong Kong and India. Get your reservations in early for this meeting.

2002 Richard H. Jahns Distinguished Lecturer in Engineering Geology to talk in Seattle

Dr. Perry Rahn, the current Jahns Lecturer, will to be speaking to the Washington Section meeting on February 21. If you are in the Seattle area on that date, the Washington Section will welcome your attendance at their meeting. Dr. Rahn is Professor Emeritus at the South Dakota School of Mines & Technology. His talk covers current techniques of flood evaluation and the Federal Emergency Management Administration programs now in effect. He will present examples of flooding in the United States and discuss the usefulness of geomorphology and detailed field mapping to flood hazard evaluation. Contract Lori Doherty at 206-695-6823 or lkd@shanwil.com to make a reservation. Perry will visit the Oregon Section next fall.

The Richard H. Jahns Distinguished Lecturer in Engineering Geology Award was established in 1988 by the Association of Engineering Geologists in co-sponsorship with the Engineering Geology Division of the Geological Society of America. The purpose is to provide funding annually for a distinguished engineering geologist to present a lecture at a number of academic institutions to increase awareness of students about careers in engineering geology. The Distinguished Lectureship is in honor of Richard H. Jahns (1915-1983), an engineering geologist who had a diverse and distinguished career in academia, consulting, and government.

AEG Executive Council News

The Executive Council met at College Station, Texas, last month. The Executive Director contract was finalized between Chris Mathewson and the Travel Policy was finalized. These will be presented for approval to the AEG Board by President Myles Carter. The budget approved for 2001-2002 is still looking good as far as income and expenses go. The Executive Council and Executive Director are working closely and focusing on AEG Business. The mid-year AEG Board meeting will be held in Montreal on April 20 – 21, 2002. I will be attending the meeting as Oregon Section Chair. If you have any issues, concerns, recommendations, etc. to bring before the Board, please contact me before the meeting. Input from any AEG member is appreciated.

Oregon Section History

George Freitag has compiled a history of the Oregon Section officers, with help from Janet Mathewson and Julie Keaton. George deserves a tremendous "thank you" from all of us for his hard work on this. If you

would like a copy of the history, please contact George at GRI Geotechnical and Environmental Consultants, gfreitag@gri.com, Phone (503) 641-3478, Fax: (503) 644-8034.

Oregon State Board of Examiners for Engineering and Land Surveying - Proposed Rule

I recently received a notice through the ASCE Geotechnical Group about a proposed rule change for the licensing of engineers in Oregon. The Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) voted in January to initiate rule making action to add "Geotechnical" to the engineering branches examined by the Board. The proposal would constitute a certification as a "Geotechnical Engineer" in addition to a existing engineering branch examination. Prior to their formal hearings, OSBEELS is inviting comments in an effort to gather early responses to the proposal. OSBEELS is scheduled to conduct the first public hearing on the proposal during its regular meeting on May 12, 2002. No specific location has been determined for that meeting, but it is likely to take place in either Salem or Corvallis. I encourage all AEG members, especially those with CEG registration, to review the proposed rule and become informed about its scope and purpose.

A copy of the draft rule can be obtained from: Edward B. Graham, P.L.S., Executive Secretary, OSBEELS, 728 Hawthorne Ave. NE, Salem, OR 97301, Ed@osbeels.org. If you have comments concerning the proposed rule, send them to the OSBEELS office either by e-mail or regular mail.

I look forward to seeing you at our joint AEG/ASCE meeting.

Drew Harvey
AEG Oregon Section Chair

Len Palmer
"in memory"

Recently am E-mail from the family of Len Plamer was fowarded to many of you. For those that may not have received it portions are included here:

We have some very sad news to report. Our dad, Len Palmer, passed away this New Year's Eve.

His death was quite sudden, but done with typical Leonard Palmer flair. He had been having trouble with a failing liver as a consequence of his fight with cancer……..

An informal gathering in memory of Leonard will be held at Port Townsend Yacht Club at 2 pm Saturday, February the 9th. A few short stories of Len's adventures and loves will be followed by snacks and potluck. All are welcome and none are obligated! .

Feel free to call or e-mail for more information.
(650) 593-1922 (Theo's Home in San Carlos, CA)
tpalmer@stanford.edu
opalmer@guidant.com
leifarod@u.washington.edu

Port Townsend Yacht Club
2503 Washington Street

Short News Items

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 SWICTH 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**

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

The Board of Geologist Examiners: **707 13th. St. SE, Suite 275 Salem, OR, 97301**
Phone **(503) 566-2837**,Fax **(503) 362-6393 e-mail: osbge@open.org** 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

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 5th 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. George is trying to compile a list of old Oregon Section officers." George Freitag, CEG GRI Geotechnical and Environmental Consultants 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.

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

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

"Joint Meeting"
w/ ASCE&ASCE Geotech

Feb. 21, 2002
AEG

Dave Michael, Editor
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