



The Official

Newsletter

of the Oregon Section Association of Engineering Geologists

Serving Professionals in Engineering, Environmental, and Groundwater Geology

JANUARY 2004 SECTION MEETING

GUESTS: MIKE MEYER, P.E. AND LARRY PIERSON, C.E.G., LANDSLIDE TECHNOLOGY

PRESENTATION: THIRD AVENUE BYPASS IN KETCHIKAN, ALASKA

The new Third Avenue Extension will be nearly a mile long, traversing a rugged, southwest facing mountain slope above the City of Ketchikan in Southeast Alaska. Built to relieve traffic congestion along Tongass Avenue, the new roadway is challenging due to residences immediately down slope, extremely steep terrain, and difficult access. The central segment of the project crosses a 400-foot wide landslide, a 200-foot tall rock escarpment (White Cliff), and a long talus slope. Construction began in August of 2002 and included the use of roller compacted concrete in a 1000 foot long and 90-foot tall embankment in the difficult central segment. A cut slope through White Cliff will remove 60,000 cubic yards of rock, with slopes over 115 feet in height using a combination of conventional rock blasting and a mechanical "Roadminer".

Watch the excavation and construction live with project webcams at www.thirdavenueextension.com.

Mike Meyer, P.E. is a senior associate engineer with Landslide Technology. He has been with the

firm since 1991 and holds a B.S. in Geological Engineering and an M.S. in Geotechnical Engineering from Washington State University. Larry Pierson is a graduate of UCLA with over 25 years of transportation-related experience as an engineering geologist, much of this dedicated to rockfall mitigation and rock slope investigation and design. Larry was the principal rock slope designer for 15 years at ODOT. He contributed as the area expert on structural geology; and rock slope investigation, analysis and design. He has authored or co-authored several publications including numerous technical manuals, research papers, and geotechnical articles.



This Month's Meeting is on Wednesday January 21

**Greenwood Inn
10700 SW Allen
Beaverton, Oregon
503-643-7444**

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

\$25.00 dinner (\$12.00 for students).

Cash or checks only please

Call Glenda Chrisman (503-639-3400) at AMEC Earth & Environmental before NOON, Monday, January 19, 2004.

Cancellations will be honored until Jan. 20 at 10 am. The restaurant will charge and the fee must be recovered unless cancelled by that time.

MESSAGE FROM THE CHAIR

Happy new year to all! I hope you had a nice holiday season. It doesn't quite seem that the holidays are over yet as snow blankets the ground, more snow is forecasted and the kids are still on vacation. I expect some rapid snow melt, flooding, landslides, muddy boots and cold toes in the days to come. One thing that has been on my mind over the past few months is addressing the distribution of our Oregon Section Members. Most of us just happen to live in the Portland -

Vancouver metropolitan area. However, the "Oregon" Section territory includes all of Oregon and much of Idaho. The Oregon Section board would be interested in hearing from our "remote" area members that are ordinarily unable to attend our monthly meetings. We would like to get to know you and encourage your ideas for participation in field trips or special meetings where we can span our broad geography. You Idaho folks please feel free to contact us and

extol the virtues of your local geology. Likewise, with the southern Oregon crowd. I think there's plenty of interest here to share field trips or meetings with our members from outside the Willamette Valley. Please feel free to contact me or other members if you have interest in expanding our Section contacts.

Regards,
Warren Krager
AEG Oregon Section Vice Chair

AEG STRATEGIC PLANNING

We realize many of you are enjoying a holiday break from work. As you enjoy some time off, please take a few minutes to go to the following link and fill out a survey that we're conducting as part of AEG's strategic planning process. As an essential component of AEG's strategic planning process, we are urging all members to contribute to the effort by responding to this member survey. Par-

ticipation by AEG members is vital to the development of a plan that will effectively represent our organization. AEG's Strategic Planning Committee will be meeting for a workshop at the end of January and will use the results of the survey in developing AEG's Strategic Plan. The AEG Executive Council and Board of Directors are committed to assuring that the plan will become the cornerstone of AEG's

operations. Please take a few minutes to complete the survey by going to: <http://www.surveymonkey.com/s.asp?u=63785347048>. We request that you complete your survey by January 16, 2004. Thanks very much for taking the time to contribute to the future success of your AEG. For further information on AEG strategic planning process, please visit the AEG home page.

AEG OR CALENDAR

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 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.

NEWS ITEMS

Shlemon Conference Earth Fissures April 1 - 3, 2004:

Hosted by the Engineering Geology Foundation and the Association of Engineering Geologists, the first annual Shlemon Conference in El Paso, Texas, will evaluate the present state of knowledge of earth fissures. For more information, contact either Bill Haneberg, bill@haneberg.com, 206-871-9359 or Jeff Keaton, jeff.keaton@amec.com, 714-779-2591 ext. 308. Please visit the conference web site for more information: www.haneberg.com/fissure.

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. 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

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