



The Official

Newsletter

of the Oregon Section Association of Engineering Geologists

Serving Professionals in Engineering, Environmental, and Groundwater Geology

FEBRUARY 2005 SECTION MEETING

GUESTS: RYAN SHELBY, GEO-TECH EXPLORATIONS

PRESENTATION: DRILLING IN THE NORTHWEST

Geo-Tech Explorations' will provide a brief overview of traditional drilling methods including; Cable Tool, Auger, Mud Rotary, Air Rotary, Hammer Drilling, Diamond Core and Direct Push. The general pros and cons of each method in various formations will be reviewed.

An introduction to Sonic Drilling, the newest commercially available drilling method, will follow. Using high speed mechanical vibrations the Sonic Drill can advance a core barrel and casing through almost any unconsolidated formation. To date, the Sonic drill has had great success installing and sampling in the Troutdale formation, glacial tills, fill debris, rip-rap and soft rock.

Geo-Tech representatives will then outline the major steps clients can take when setting up a drilling project to insure it is as efficient as possible.

The smooth operation of any drilling method demands communication between clients and drilling contractors. From the first call to the final report it takes a team mentality to achieve consistent quality.

Speaker Bio: An Oregon native, Ryan Shelby was exposed to the drilling industry at an early age through his family's water well and supply business. Ryan attended Eastern Oregon University, graduating in 1998 with a B.A. in English/Writing. With college finished, Ryan joined the U.S. Peace Corps for a two year posting to Papua New Guinea where he taught English, Geology, Geography and Social

Sciences to High School students. Returning home, Ryan found his way to Geo-Tech Explorations where he learned to operate a Geo-probe and serve as a helper on several different drill rigs. During this time he earned his Oregon Monitoring Well Constructors License and gained invaluable insight into the local Environmental and Geotechnical Drilling market. After a narrowly missed attempt to join the U.S. Foreign Service, Ryan was promoted to the office position of Business Development where he currently resides providing cost estimates, project facilitation, client relations and education.

This Month's Meeting is on Tuesday February 15

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

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

\$13.00 dinner (\$6.50 for students)
Pizza and Salad

Call 503-639-3400, or email
<glenda.christman@amec.com>
with "AEG Reservations" in the
subject line, by 4 pm Thurs. Feb. 10.
There is a \$2.00 surcharge for those
who do not reserve by the deadline,
so call now!

MESSAGE FROM THE CHAIR

Last month we had a great turnout for the joint meeting with the geotechnical group of the ASCE. The room was pretty crowded with about 100 geologists and engineers in attendance. It was a very informative and not overly technical presentation by Glenn Boyce of Parsons Brinckerhoff on the West Side CSO Tunnel.

This month Ryan Shelby of Geo-Tech Explorations will highlight the capabilities of the sonic drilling technique. It should be a good meeting with libations provided by Geo-Tech.

On the proposed name change: Association of Environmental and Engineering Geologists. Last September at the Annual AEG meeting in Dearborn there were two Visioning Symposia. The gist of the discussions was that the traditional work of “engineering geologists” is

no longer the principle task for most “applied geologists” and not the principle work for most members of the organization. AEG membership has remained at about 3,000 for the past 12 years. If the organization wants to grow, and stay in mainstream “applied geology” we must reach out to other practitioners, particularly in the environmental applications of our profession. Most of you already spend a large portion of your time and effort on environmental projects.

How can the organization be more responsive to our profession, and be more attractive to the practicing geologist? Many “outreach” ideas were put forth in the Symposium. Locally, we already include many “environmental” and hydrogeology speakers in our program. Certainly Dave Bieber’s presentation on asbestos, Ryan Shelby’s presentation this month on drilling techniques and Matt Rea’s upcoming presentation on the Willamette Basin management all have strong environmental components. The same trend

holds with the annual meetings.

In recognizing that trend within the organization, and in order to reach out to those “environmental geologists” who have not deemed it appropriate to join our organization, Eldon Gath and Bob Tepel have proposed that we change the name of the society to the “**Association of Environmental and Engineering Geologists.**” In his *Perspectives* article in the December issue of the AEG News (p.14) Eldon Gath presents his arguments in favor of this change. A discussion group has been established on the AEG web site www.aegweb.org (logon to the members area using the UserID and password form your membership card and go to *Member Services / AEG Message Board*). The majority of blogs support the name change. A formal proposal for the name change is certain to come before the AEG Board of Directors at our mid-year meeting in April. If approved it will go before the general membership. Talk it over, post your comments, and let me and/or your Section officers know how you feel. I will represent you at the mid-year Board meeting and will convey your opinions to that group..

Rowland French

AEG Oregon Section Chair

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Please Contact Us Regarding Your Next Challenging Project

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

2005 AEG Annual Meeting

Plan to attend the 2005 AEG Annual Meeting - "Under the Neon" in Las Vegas, Nevada, September 17 - 25! For more information log on to www.aegweb.org. Abstract deadline is May 1, 2005.

Washington Hydrogeology Symposium

The 5th Washington Hydrogeology Symposium will be held April 12-

14, 2005, at the Tacoma Sheraton Convention Center, Tacoma, WA. For more information see the Department of Ecology web site: <http://www.ecy.wa.gov/events/hg/index.htm>

AEG Oregon Section Website Seeks Sponsors:

The Board is pleased to announce the opportunity for corporate sponsorship of our Oregon Sec-

tion website <www.aegoregon.org>. Companies can have their name, logo, and link to their website displayed on the Oregon Section website for a nominal fee of \$100 per year. Benefits of sponsorship include high visibility within the AEG community and support of the AEG section. Email George Freitag (gfreitag@gri.com) if interested or for more information.

AEG OREGON CALENDAR

Mar 22: Matt Rea, US Army Corps, Willamette River Basin Management
Apr 12-14: 5th Washington

Hydrogeology Symposium
Apr 19: Student Night at PSU
May 17: Jeff Keaton, subject TBA


Sept. 17-25: 2005 AEG Annual Meeting - "Under the Neon" in Las Vegas, Nevada, Abstract deadline: May 1.

THANKS FOR SUPPORTING OREGON AEG!

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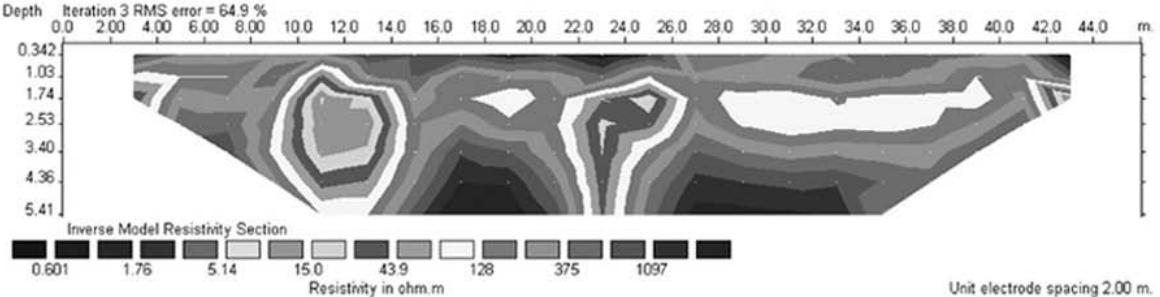


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DOWN HOLE VIDEO LOGGING SURVEYS

MAGNETOMETER & ELECTROMAGNETIC SURVEYS

Iteration 3 RMS error = 64.9 %



Depth: 0.0, 2.00, 4.00, 6.00, 8.00, 10.0, 12.0, 14.0, 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0 m.

Resistivity in ohm.m: 0.601, 1.76, 5.14, 15.0, 43.9, 128, 375, 1097

Unit electrode spacing 2.00 m.

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