

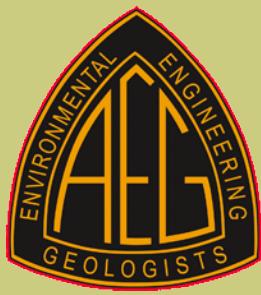
The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

<u>MEETING DETAILS</u>
January 2020: Annual joint AEG and ASCE
Date: Wednesday, Jan 8,
 <u>Location:</u> Kells Irish Restaurant and Pub 112 SW 2nd Ave, Portland, OR 97204
 <u>Evening Agenda:</u> 6:00 pm Social Hour 6:45 pm Dinner 7:30 pm Presentation
 <u>Reservations:</u> https://aeg-or-2020-01.brownpaperbickets.com/ \$35 Private Industry \$30 Public Agencies \$10 Students
 <u>Deadline:</u> 12 noon Monday, Jan 6, 2020 at

<u>UPCOMING MEETINGS:</u>
Feb 18 th Tim Shevlin (GeoBrugg)
Mar 17 th Jahns Lecturer
Apr 21 st TBD (Share your knowledge)
May 19 th Student Poster Night



Geotechnical Engineering and Engineering Geology Disciplines at ODOT

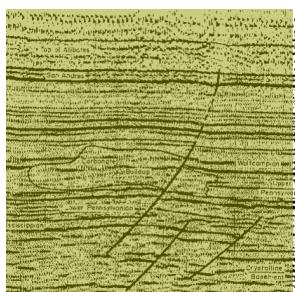
**Speakers: Stuart Albright, P.E. and Max Gummer, P.E., Oregon
Department of Transportation**

In response to a 2018 program review by the Federal Highway Administration (FHWA), the Oregon Department of Transportation (ODOT) has recently reorganized the practices of Geotechnical Engineering and Engineering Geology within the agency. Mr. Albright will discuss some of the technical and project delivery context that led up to the review. The presentation will include FHWA's six primary recommendations as well as ODOT's response and implementation, including how the new agency protocol will affect internal and external stakeholder business practice. Mr. Albright will also discuss the impacts of HB2017 on the future of Engineering Geology and Geotechnical Engineering work conducted within and for the agency. Mr. Gummer will discuss aspects of current projects affected by the program change as well as current and future projects of note.

Biographies:

Stuart Albright, P.E. became the first State Geotechnical Engineer for the State of Oregon in October of 2019. Prior to joining ODOT in 2017, Stuart practiced at a number of consulting firms in Portland for 32 years. He is a past president of ACEC Oregon and OSBEELS. He received his B.S. degree from Portland State and M.S. degree from Oregon State University.

Max Gummer, P.E. is a Geotechnical Engineer in ODOT's Region 1 with almost 10 years of experience in geotechnical and environmental investigation and design. Max has held various positions across public agencies as well as small and large scale consulting firms. He received his B.S. and M.S. degrees in Civil & Environmental Engineering from Portland State University.



Message from the Chair

Well the holiday season has come and is quickly wrapping up. I hope all had happy times with loved ones! This year I was able to see take the Christmas Train to Christmas town out of Hood River. It was a fun event filled with hot chocolate, a polar bear, and a visit from Santa.

The December meeting was a great turn out for our National President Cynthia Palomares. She updated us on the status of AEG and provided insight into the inner workings of Resource Conservation and Recovery Act (RCRA) requirements. Thanks to all that attended and thanks to Cynthia for making the trek up from Texas.

This month is the joint AEG-ASCE meeting. We will be hearing from Stu Albright and Max Gummer from the Oregon Department of Transportation. The meeting is early this year, being held on January 8th. Please sign up to show our support for Stu and Max.

Membership, membership, membership... Now is the time to renew your AEG membership for 2020. Our memberships help support the Chapter and keep the national organization vibrant. Thank you so much for supporting our Chapter and AEG.

As always thank you for being the most important part of AEG.

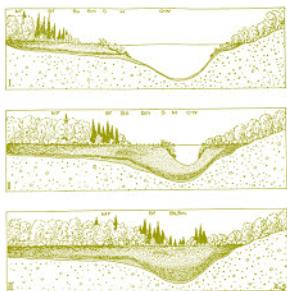
Ben George
Oregon AEG Chapter Chair

"Keen observation is at least as necessary as penetrating analysis"

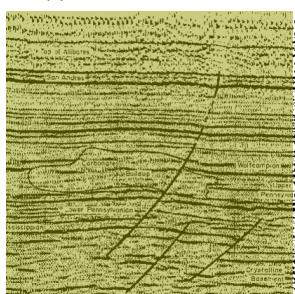
Karl Terzaghi

Portland 2020 Annual Meeting Update:

Happy Holidays! January marks 7 months, yes 7 months, until we host the 2020 Annual Meeting here in Portland! We continue our planning process and have reached a couple of milestones. First and foremost, our website is up and running <https://www.aegannualmeeting.org/>. Though a work in progress that contains some relict 2019 meeting information, it is populated with the key 2020 meeting components, including the meeting dates and the hotel, Field Courses, Guest Tours, and Special Event descriptions. The website also includes a tab for Sponsor & Exhibitor Information. I encourage everyone to take a tour of the site to get more up to date on the meeting offerings.



Hotel registration is now available and the time for submitting technical abstracts is rapidly approaching, so be on the lookout. When visiting the website, you may notice currently only two Field Courses are offered. Although we are confident two more Field Courses will come to fruition, because of scheduling, we have interest in adding a fifth and are seeking someone to be the field trip leader. If you have an inspiration, please let me or Tim Shevlin know. (Continued on pg. 3)



Portland 2020 Annual Meeting Update: (Continued...)

Our Publicity Committee has been hard at work as well, advertising to our partner organizations such as GSA and reaching out to local and regional colleges and universities. Although our planning committee is well staffed:

- The Field Course Committee could use an additional volunteer or two for support
- This is a far cry from the number of volunteers we will need as the meeting approaches, and especially during the meeting – from moderators, hosts, coordinators, etc.
- Students are key to our pool of volunteers, so please be sure to remind them. An added benefit is registration is free for some student volunteers!

If you have any comments, questions, and thoughts, please feel free to reach out to me or our meeting's co-chair Mike Marshall.

Mark Swank, PDX 2020 Annual Meeting Co-Chair

"Keen observation is at least as necessary as penetrating analysis"

Karl Terzaghi

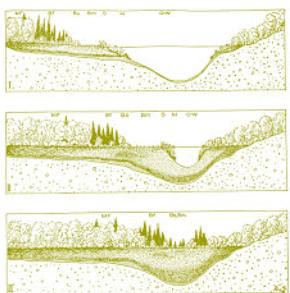
Geology Quiz

The case of miss matched numbers. For tourists the dates of the Missoula floods and the Columbia River Basalts (CRB) are confused do to the relative similarities of the numbers. In relative age from the present which is correct.

- Missoula Floods ~15 thousand, CRB ~15 million
- Missoula Floods ~15 million, CRB ~15 thousand

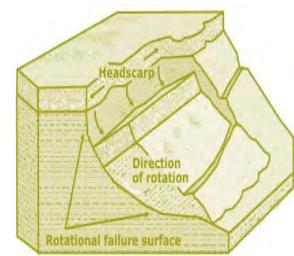


Image: Glacial Erratic, Oregonstateparks.org



"The earth is large and old enough to teach us modesty."

Hans Cloos



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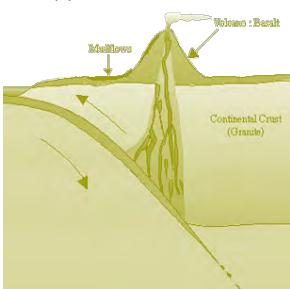
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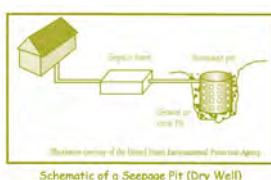
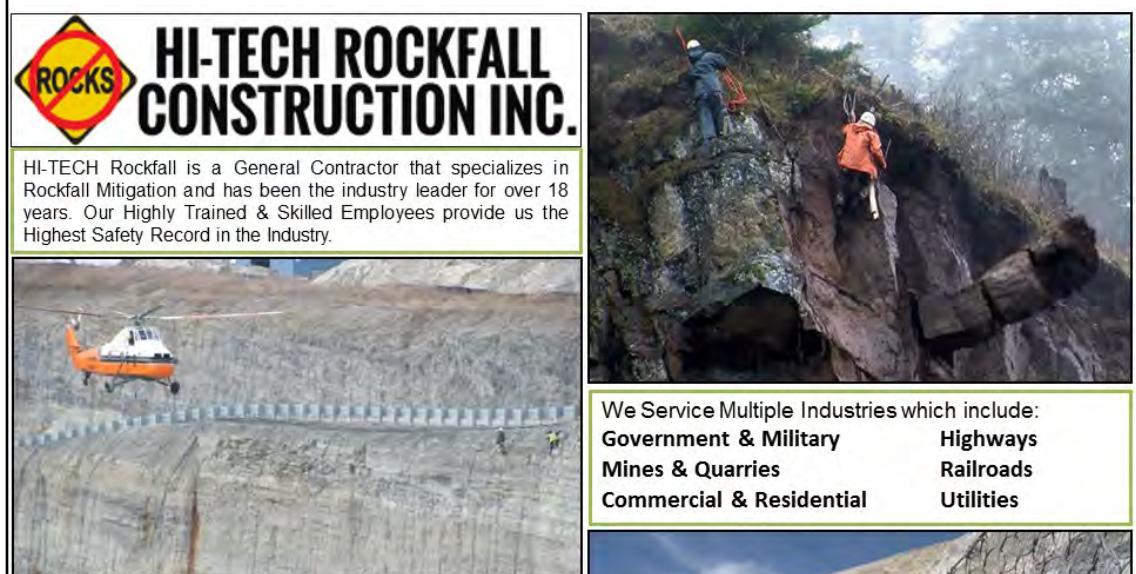
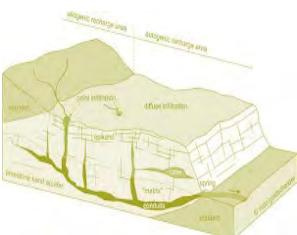
- Seismic Refraction/Reflection
- Shearwave Velocity Studies
- Electrical Resistivity Profiling
- Ground Penetrating Radar
- Magnetics/Electromagnetics
- Gravity
- Marine Geophysics

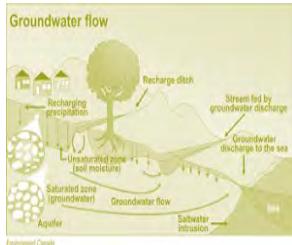
Vibration & Noise Analysis:

- Remote Vibration Monitoring
- Real-time Frequency Analysis
- Construction Monitoring
- Demolition Monitoring
- Blast Design and Monitoring
- Pre-construction Surveys
- Sensitive Equipment Certification

Rock Mechanics:

- Uniaxial Compressive Strength
- Direct and Triaxial Shear Strength
- Direct and Indirect Tensile Strength
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- Density & Porosity
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"A soil adapted to the growth of plants, is necessarily prepared and carefully preserved; and, in the necessary waste of land which is inhabited, the foundation is laid for future continents, in order to support the system of the living world.."

James Hutton

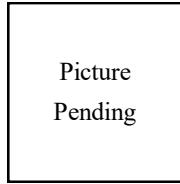
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This could be you!



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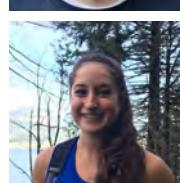
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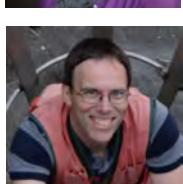
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Thanks For Supporting AEG

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The AEG Oregon Chapter Newsletter

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

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