OREGON CHAPTER OF THE
ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS

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Volume 11, Number 3

The Official

AEG OREGON CHAPTER NEWSLETTER

http://www.aegoregon.org

Meeting Details:
Date: Tuesday, November 15, 2022 7:00 pm Hybrid

Physical RSVP

ZOOM RSVP

In-Person $25
Cash or check.
Cards please use link below.

Old Market Pub
6959 SW Multnomah Blvd

Agenda:
5:30- 6:30 pm SOCIAL
6:30-7:00 pm dinner7:00 pm Presentation

UPCOMING MEETINGS:
December 13, 2022--
2022 Yellowstone NP Flood Response (Lim, George, & Cole)
January 17, 2022--
Mosquito Crk Debris Flow (Machan & Zimmerman)
February 21, 2022--
AEG President (Nate Saraceno)
March 21, 2022--
Julian Waeber
April 18, 2022--
Jahns Lecturer (Vince Cronin)

New Data on the Timing of Recent Geologic Events of the Past Two Millennia in Cascadia from Radiocarbon and Tree-ring Analysis: Examples, Lessons Learned, and Future Potential

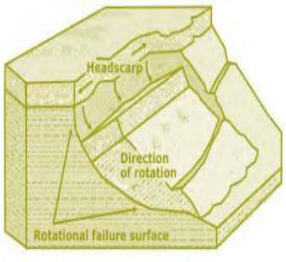
Pat will be delving into the multiple uses of dendrochronology in the Pacific Northwest, with examples used to date the Old Maid eruption of Mount Hood (late 1781), Bonneville landslide (1446-1447 during dormancy), Mount Rainier Electron mudflow (late 1507), and Seattle and Saddle Mountain faults (923-924). There are many landslide dammed lakes in Washington, many of which we have radiocarbon ages on and that contain drowned subfossil trees could well be dated with dendrochronology.

Geologists have a saying - rocks remember.

Neal Armstrong

Pat Pringle

Pat taught at Centralia College from 2005 through 2017. From 1990 to 2005 he was a Research Geologist with the Washington Department of Natural Resources Division of Geology and Earth Resources (now the Washington Geological Survey), and from 1982 to 1990 was with the US Geologcal Survey Cascades Volcano Observatory in the volcanic hazards program. His main areas of study are volcanoes, earthquakes, landslide, and debris flows, which he studies using radiocarbon and tree-ring analysis to establish the history of past geologic events. His publications include published papers, curricula, and books on the roadside geology of Mounts St. Helens and Rainier. He has received several teaching awards including Washington Association of College Trustees Faculty Member of the Year in 2016.



Message from the Chapter Chair

Hello Oregon Chapter!

The fall rains have finally arrived and it feels like field work might finally be wrapping up for the season (the planned, non-emergency field work anyway). It's a perfect time to grab a slice of pizza and a beverage of your choice and come swap field work horror stories with your fellow geologists. Of course, we'll have to keep an eye on COVID case counts, guidance, etc., but we're cautiously optimistic that we will be able to continue meeting in person through the winter. We will continue running hybrid meetings, so even if you get sick or get sucked into out-of-town field work there is no excuse for not attending! I logged into October's virtual meeting from Missouri and I would say our board did a pretty solid job. Please let me know if you have any feedback or suggestions to help with the hybrid style, and we'll do what we can to adjust.

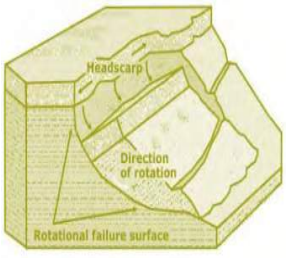
Last month we had a great presentation from Christoph Kern of USGS on the intricacies of monitoring active volcanoes, specifically by monitoring gas emissions. I know it was part of the introduction, and almost an aside, but one of the things that stuck with me from Chris' talk was that he originally planned to study urban air pollution. The job he had lined up after graduation fell apart, and he took a job with USGS to monitor volcanic emissions almost at random, without any certainty that monitoring emissions would yield useful data. It was a good reminder that our professional lives can have all kinds of twists and turns on the way to fulfilling careers in the geosciences.

We're excited to follow up Chris' talk on predicting volcanic eruptions with another disaster-tinged talk on dating landslides. Way back in September, Pat Pringle had to postpone his planned presentation. We're excited that he was able to reschedule to November and will bring us up to speed on using radiocarbon and tree-ring data to better date recent geologic events in Cascadia.

We're looking forward to squeezing this meeting in before the Thanksgiving holiday, practicing for the holiday feast with some pizza and salad. In the meantime, membership renewal reminders have been going out. If you're not already a member, now is the perfect time to join. Let me know if you need help with renewal or new membership.

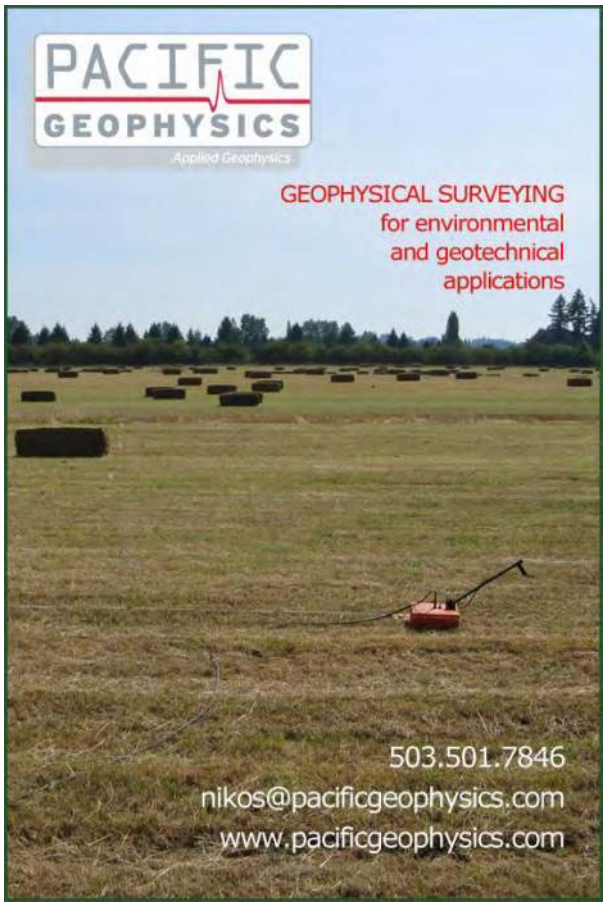
See you all soon,

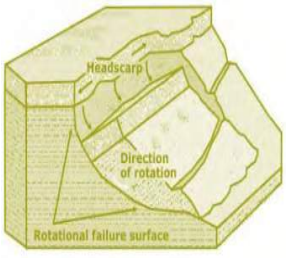
Aine Mines
AEG Oregon Chapter Chair 2022-2023

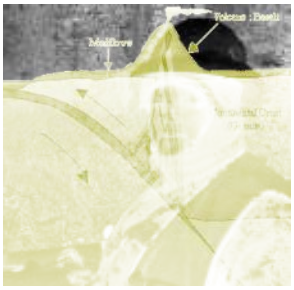


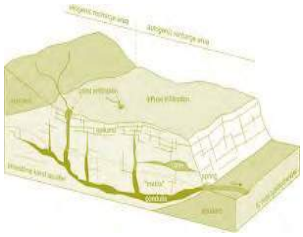
Geologists are never at a loss for paperweights.

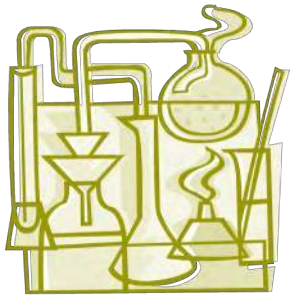
Bill Bryson

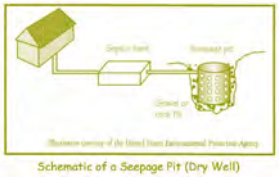




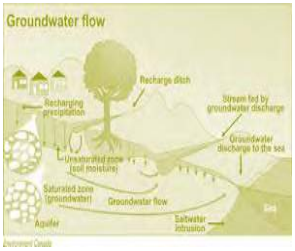






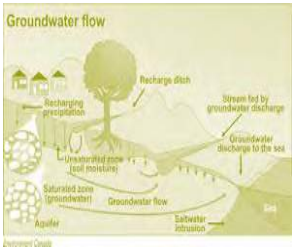


Schematic of a Seepage Pit (Dry Well)



We learn geology the morning after the earthquake.

Ralph Waldo Emerson



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Ralph Waldo Emerson

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Aine Mines,
Cornforth Consultants , Inc.
amines@cornforthconsultants.com

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Sebastian Dirringer
Cornforth Consultants
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Webpage Editor: Rud Moe
PSU Graduate Student
rudlambmoe@gmail.com

Secretary:
Nick Farny
FHWA Western Federal Lands
nicholas.farny@dot.gov

The Oregon Chapter is also on the web at
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National AEG webpage:
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Rud Moe
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Nancy Calhoun
DOGAMI
nancy.calhoun@oregon.gov

Awesome Guiding Force of the Chapter
Mike Marshall
GRI
mmarshall@gri.com

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.

AEG OREGON CHAPTER NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Chapter or other Chapters, and other interested people who have requested and paid a local subscription fee of $10.00. E-mail subscriptions are free. News items are invited and should be sent to: Aine Mines, AEG Oregon Chapter Chair, Cornforth Consultants, Inc., 10250 SW Greenburg Road, Suite 111, Portland, OR 97223, e-mail: amines@ccilt.com, phone (503) 452-1100. Electronic media is preferred. Deadline for submittal is the 25th of the month. Advertising: business card size $100/yr; ¼ page $200/yr; ½ page $350/yr; 1 page $450/yr.