



The Official

OREGON SECTION AEG NEWSLETTER

<http://www.aegoregon.org>

October Meeting Details

Tuesday, October 15th

Location: Old Market Pub

6959 SW Multnomah

Portland, Oregon

6:00 pm Social

6:45 pm Dinner

7:30 pm Presentation

Dinner: Pizza & Salad

\$20 Dinner (\$5 Students)

Reservations:
mwegner@cornfortheconsultants.com
with "AEG Reservation" in
the subject line or 971-222-
2047 by 4pm Thur. Oct. 10

There is a \$2 surcharge for
those who do not reserve by
the deadline

Upcoming Meetings:

Nov 19th TBA
Dec 17th TBA
Jan 21st ASCE/AEG Meeting
Feb 18th Brian Atwater
Mar 18th Laura Maffei
Apr 15th Jeff Coe
May 20th Student Poster Night



Bioremediation Fundamentals and Application

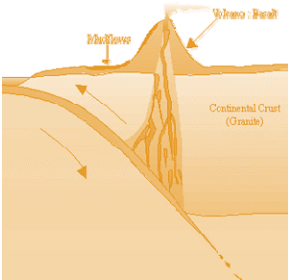
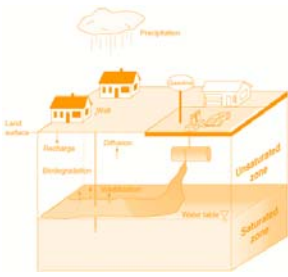
Guest Speaker: Troy Fowler

Recycling the sun's energy has been an ongoing process for more than 2 billion years. More than anything, life on Earth has demonstrated to be resilient and opportunistic. And just as microbes continue to evolve, the humans looking to take advantage of their specialized skills also continue to evolve in our understanding. While rapid, low-cost genetic sequencing has provided tremendous insight into the mysterious, environmental data indicate that we still have much to learn. The absence of a specific gene does not mean that certain reactions will not occur; it simply means that the blue eye, blond hair female with one freckle on her right cheek is not present in the crowd. By keeping an eye toward the fundamental processes involved in bioremediation, environmental practitioners will be able to identify anomalies and update site understanding in real-time during project implementation.

Bio: Troy Fowler

Troy Fowler is an associate senior biochemist with Hart Crowser and has been overseeing their bioremediation projects since 2007. During the last 11 years, he has worked on over 60 sites involving chemical and/or biological remediation of contaminants ranging from chlorinated solvents to metals to petroleum hydrocarbons. With his background in biochemistry, Mr. Fowler has developed several innovative treatment strategies especially suited for environmental challenges in the Pacific Northwest. Some of these techniques have been presented at regional and international conferences, as well as in peer-reviewed journals, such as *Remediation*. He received his degree in biochemistry from the University of Kansas.





Message from the Chair

October is here and the rain has started...time for the mud, rain gear and cold hands!

We had our first meeting in September with a great turnout to hear from **Tom Badger** (Washington Department of Transportation) speaking on the large 2009 Nile Valley Landslide on State Route 410 northwest of Yakima. The Oregon Section thanks Tom for making his way down to Portland to speak on this technically and logistically challenging project.

The AEG National Meeting was held in Seattle September 8 through 15. A number of our own Section members presented and/or attended technical sessions and participated in field trips and short courses. Thanks to **Doug Gless, Bill Burns, Kate Mickelson, Mike Marshall, Adam Reese, Scott Burns, Charlie Hammond, Serin Bussell, Matt Brunengo, Jason Hinkle, Jon Barnes, Emily Jenkins Hess** (Section Student Awardee), Oregon Section Student Members, and all those that I missed. This year the Oregon Section and Carolina Section were co-winners as **AEG Outstanding Section** of the Year! Congratulations on all the members who contribute to make this Section successful. Oregon Section member and past National President **Dorian Kuper** was recognized at the awards luncheon as passing the 30 year mark as an AEG member...thanks for the years of service to the organization on a local and national level.

The section now has a Field Trip Chair! Many thanks to Erin Dunbar to stepping into the long-vacant position. Looking to assist like Erin? There are positions available including the Visiting Professional Program (VPP) chair, Legislator Chair, and Program Co-chair.

Please turn out Tuesday October **15** (not the 17th like I mistakenly stated at the last meeting) to hear **Troy Fowler** (Hart Crowser) speak on bioremediation fundamentals and applications.

Warm Regards,

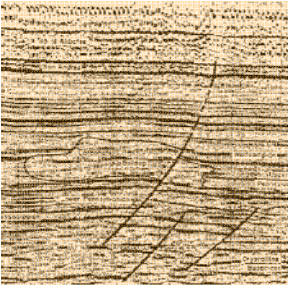
Darren Beckstrand, CEG

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Joint Meeting of the Oregon State Boards of Examiners for Engineering and Land Surveying (OSBEELS) & Geologist Examiners (OSBGE)

The Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) and the Oregon State Board of Geologist Examiners (OSBGE) will convene for a joint meeting on Thursday October 10, 2013. The meeting will run from 6 PM to 8:30 PM. The location of the meeting is Chemeketa Center for Business & Industry, 626 High St. NE, Salem, OR 97301.





Message from the PSU AEG Student Chapter

Fall Term at Portland State University is just getting underway which means that the AEG Student Chapter is gearing up for an exciting new year! As outgoing PSU AEG Student Chapter President I wanted to take a moment to introduce the new and wonderful officers who will be taking charge this school year. Our student chapter has gone from five officers to seven which has led to new officer positions being created and is a great sign that our chapter is expanding and growing.



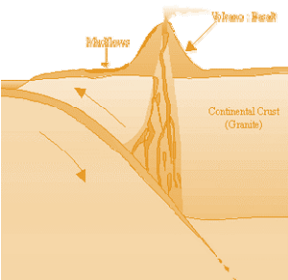
- Incoming President is Tiyana Casey who is an undergraduate student set to graduate with her B.S. in Geology Spring of 2015. She recently completed research in South America that she will be presenting at the upcoming GSA meeting in Denver!
- Incoming Vice President is Kassie Lindsey who is a graduate student working under Scott Burns and set to graduate Spring of 2014. Her Master's thesis work focuses on Mt. Rainier and debris flows.
- Incoming Treasurer is Adrienne Nichols who is an undergraduate student interested in Hydrogeology and set to graduate with her B.S. in Geology approximately Spring of 2015. She is currently an intern with the Oregon Water Resources Department in Salem.
- Incoming Secretary is Hilary Whitney who is a graduate student also working under Scott Burns and set to graduate Spring of 2014. Her Master's thesis work focuses on Terroir in the Columbia Gorge area.
- Incoming Outreach Coordinator is Topher French who is an undergraduate student set to graduate with his B.S. in Geology Spring of 2014. He also recently received his Inspector's License for Reinforced Concrete from Washington's Association of Building Officials!
- Incoming Field Trip Coordinator is Jon Barnes who is an undergraduate student interested set to graduate with his B.S. in Geology in Spring of 2014. He spent this past summer interning with Google in their Summer of Code program where he wrote open source Python code to classify both mineral grain boundaries and mineral phases using clustering algorithms based on scanning electron microscope data!
- Incoming Logistical Support is Karla Farley who is an undergraduate student interested in Planetary Sciences and set to graduate with her B.S. in Geology Spring of 2014. She is currently working on her Senior Honors Thesis working with meteorites in the Cascadia Meteorite Lab at PSU.

I am very pleased to welcome such an amazing group of incoming officers to the PSU Student Chapter and look forward to all that they have in store for this year! As the 2013-2014 year gets underway, our Portland State AEG Student Chapter looks forward to working with the AEG Oregon Section and appreciates your ongoing support. Thank you! ,

Sincerely,

Ann Stansbear

Outgoing PSU AEG Student Chapter President



The Slippery Slope: A Career in the Mud



Scott Burns Retirement Celebration

When: Thursday Night
24 October 2013
7-10 pm

Where: Stott Center, PSU Campus

What to expect:

- a. **Food:** Locavore stuff - desserts, cheeses, nuts, breads, all of that.
- b. **Wine*:** because Scott loves wine (and we love Scott).
- c. **Presentations:** Short speeches, visuals, and merriment

Dress: Two choices**,
a. like a geologist
b. how a geologist should dress

Cost: (because it is also a scholarship fundraiser)
\$75 ticket
\$600 for a table of 8

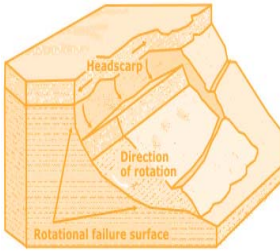
Please reserve by October 16!

Since it is the 21st century, the easiest way to buy a ticket or a table (for you and your 7 closest friends), or just donate to the cause, is the web: www.geology.pdx.edu.

Questions:
john.kirkland503@gmail.com

* There will be a cash bar for wine-avoiders (and those who just want more).

** This is not a costume party, it's just that geologists tend to dress casually and for comfort. Some argue that they should at least wear clean clothes. Your choice.



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Schematic of a Seepage Pit (Dry Well)



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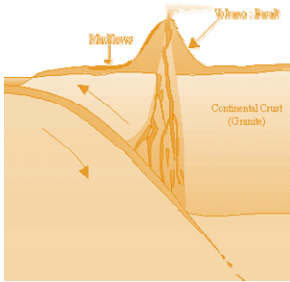
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“Keen observation is at least as necessary as penetrating analysis”

Karl Terzaghi



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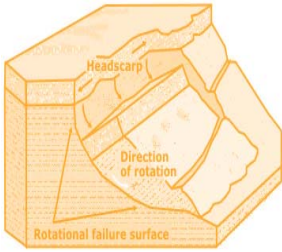
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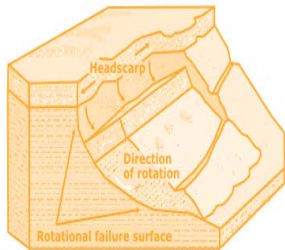
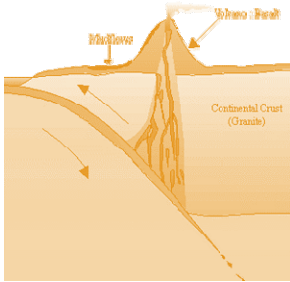
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*“Keen observation is at
least as necessary as
penetrating analysis”*

Karl Terzaghi

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 - PRISM Climate Group, NACSE, OSU

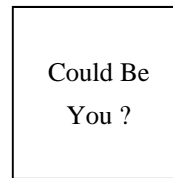
Section Officers & Committee Chairs



Chair:
Darren Beckstrand
Cornforth Consultants
dbeckstrand@cornforthconsultants.com



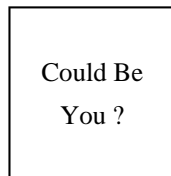
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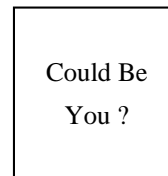
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PBS Engineering and Environmental
scott.braunsten@pbsenv.com



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Stephen.HAY@odot.state.or.us



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ruthwilmoth@comcast.net



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Keith Olson
PRISM Climate Group, NACSE, OSU
olsonke@nacse.org



Past Chair:
Robin Johnston
AMEC Environment & Infrastructure
Robin.johnston@amec.com

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the web at

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National AEG webpage:

<http://aegweb.org>



PSU Student Chapter President:
Tiyana Casey
tcasey@pdx.edu

The Oregon Section Newsletter

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