



The Official

OREGON SECTION AEG NEWSLETTER

<http://www.aegoregon.org>

May Meeting Details

Tuesday, May 17th

Location: Old Market Pub
6959 SW Multnomah Blvd
Portland, Oregon

6:00 pm Social and Posters

6:45 pm Dinner

7:30 pm Presentation

Dinner: Salad and Pizza

\$20 Dinner

Students FREE with RSVP
(\$5 if no RSVP)

Reservations:

RSVP@aegoregon.org

with "AEG Reservation" in
the subject line by 4 pm
Thursday May 13th

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

Upcoming Meetings:

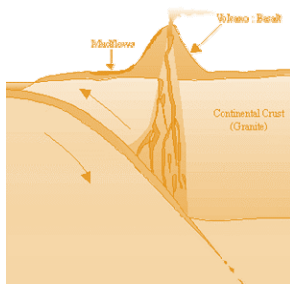
Sep 20th TBD



May Meeting Double Feature — Annual Student Night and Jahns Lecture

NOTE: WESTERN STATES IS
HOSTING THE BEVERAGES!

- Groundwater recharge elevation of an atypical earthflow: An isotopic and meteorological analysis – **Bryan Allen**, Portland State University
- Urban Erosion Rates from TLS Scans and Point Cloud Differencing – **Max Bordal**, Portland State University
- Regional Hydrology and Water Resource Issues in the Umatilla Basin – **Cesar Cardenas**, Western Oregon University
- Radon-Related Health Issues in Oregon – **Kolby Childers**, Western Oregon University
- The Role of Beaver Dams in Riparian Habitat of the Pacific Northwest – **Hunter Collins**, Western Oregon University
- Hydraulic Connectivity of Floodplains and Channels as Restoration Strategy in the Willamette Valley – **Will Edwards**, Western Oregon University
- The Influence of Timber Harvest on Sediment Transport in the Western Cascades – **Jacob Higgins**, Western Oregon University
- Geomorphic Effects of Dams on River Systems – **Alicia Hubbard**, Western Oregon University
- Debris Flow Hazards in the Central Oregon Coast Range – **Nicole Inman**, Western Oregon University
- Dam Removal and River Restoration in the Klamath Basin – **Joshua Lucas**, Western Oregon University
- Estimating reservoir temperature and alteration mineralogy from surface water chemistry in Cascade geothermal aquifers – **Don Malkemus**, Portland State University
- Precipitation Intensity Required for Landslide Initiation in Rwanda – **Angela Pillar**, Portland State University
- The Effects of Forest Roads on Hillslope Hydrology and Sedimentation in the Western Cascades – **Connor Pomeroy**, Western Oregon University
- Tsunami Hazards in Coastal Oregon – **Joey Rodgers**, Western Oregon University
- Seismic Preparedness in Western Oregon – **Paul Rostad**, Western Oregon University
- Medical Geology and Public Health – **Hannah Smith**, Western Oregon University
- The Occurrence of Arsenic in Groundwater Systems of Western Oregon – **David Solvedt**, Western Oregon University
- Approaches to River Restoration and Salmonid Habitat Improvement in the Pacific Northwest – **David Takano**, Western Oregon University
- Seismic Hazards in Willamette Valley – **Kyle Warren**, Western Oregon University
- Hydrogeomorphic Response to Forestry Practice in Mountainous Watersheds of Western Oregon – **Spencer Welter**, Western Oregon University
- Melting in the mantle wedge: Quantifying the effects of crustal thickening and viscous decoupling on melt production with application to the Cascadia subduction zone – **Jiaming Yang**, Portland State University



The challenges of providing landslide information during an emergency response

Speaker: Jerome De Graff, 2015-16 Jahns Lecturer

A geologist may find themselves being a member of a team called as part of an emergency response when a destructive landslide happens. Being successful during such a stressful and intense assignment, requires rapid acquisition of needed geologic information. Experience with a large landslide event damming a river in Dominica, West Indies in 1997 and a large rock slide which buried a major highway in California in 2006 illustrate strategies for effectively accomplishing the tasks necessary to provide required information.

Bio: Jerome De Graff

During most of his 36 years in the US Forest Service, Jerome (Jerry) De Graff served in positions designated as being either an environmental or engineering geologist on National Forests in Utah and California. In those capacities, he collected and interpreted geologic information needed for sustainable development, multiple-use management of natural resources, and emergency response. Jerry acted as the in-house geologist providing information about geomorphic processes, groundwater conditions, and other relevant geologic information. During his last 6 years, he was a Forest Service On-Scene Coordinator for Superfund-type issues and responses at abandoned mines and other Forest Service sites in California. Since retiring from government service in February 2014, Jerry continues his geology career teaching graduate courses for the Department of Earth & Environmental Science at California State University-Fresno, acting in editorial and related capacities for various professional journals, and being active in professional organizations.

All through his geology career, Jerry has been active in professional organizations; notably the Geological Society of America (GSA) and the Association of Environmental & Engineering Geologists (AEG). He joined GSA in 1972, was made a Fellow in 1983, and served as Councilor from 2006-2010. In addition to holding the Chairmanship and other leadership positions in GSA's Engineering Geology Division, Jerry received their Distinguished Practice Award in 2004. He was honored with their Meritorious Service in 1997 and in 2011. Jerry joined AEG in 1980 and chaired their Committee on Landslides from 1984 to 1995. He received presidential citations in 1995 and 2013 in appreciation for his service to AEG. Jerry is presently vice-Chair of the San Joaquin Valley Chapter in AEG's Sacramento Section.

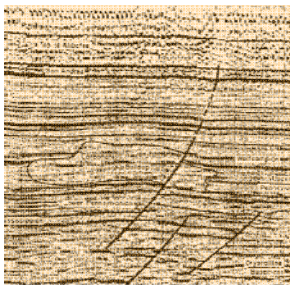
A native of the Finger Lakes region of upstate New York, Jerry graduated from State University of New York-Geneseo with a BS in Education/Earth Science in 1967. He continued to take geology courses there for six years while working full-time. During the last five years while an instructor at the Strasenburgh Planetarium (Rochester, NY), he realized he was too interested in what was beneath his feet to continue talking about what was happening among the stars. So Jerry and his wife moved west where he earned an MS in Geology from Utah State University in 1976. A job offer from the US Forest Service following a year as a USU researcher seemed more attractive than his original goal of returning east to teach in a community college, so he took it and never looked back.

While not hired as a researcher for the US Forest Service, Jerry often undertook extended studies in order to generate needed geologic information. Other opportunities to gain geologic information occurred during overseas assignments in the Caribbean, Thailand, and Italy. When the results seemed interesting, he would make an effort to share the information through presentations at conferences or in publications. Consequently, he has authored or co-authored more than 60 contributions to journals, books, and proceedings volumes. With Dr. Robert B. Johnson, he co-authored the textbook, **Principles of Engineering Geology**, which was awarded GSA's E.B. Burwell Jr. Memorial Award in 1989 and AEG's Claire P. Holdredge Award in 1990. In 2010, Jerry received the annual AEG publication award for the paper, "The formation and persistence of the Matthieu landslide-dam lake, Dominica, W.I.", published in the journal, **Environmental and Engineering Geoscience**.

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

Karl Terzaghi





Message from the Chair

Greetings! Thanks to everyone who made it out to the Old Market Pub to enjoy AEG President Paul Santi's presentation of "Debris Flows Following Wildfire in the Western U.S.". It was a rare opportunity to hear a presentation from someone who is both a subject matter expert and a leader of the AEG organization. I was fortunate to be able to spend a couple of hours prior to the meeting bending Paul's ear regarding Oregon's position on several important issues being decided at the national level. It was a pleasure conversing with Paul and he was very receptive to our views. Paul shared that he has spent two-thirds of his time on the road representing AEG this year, so I'd like to extend a special thanks to Paul for his service to AEG and to our profession.

Chair-Elect Stephen Hay delivered some important announcements prior to Paul Santi's talk. Of the highest importance, he reminded us that in July AEG will be holding elections for each region's first Regional Director to serve on the newly restructured Board of Directors. It will be critical that all Oregon Section members vote for the candidate that will best represent our Section's interests. Oregon Section Past-Chair Linda Mark has been nominated for the Regional Director position and is willing to continue her service to AEG in this role. Linda would be a fantastic Regional Director, so I'd encourage all Oregon Section members to vote for her when the time comes.

Our 2015/2016 meeting season ends on a high note with a double feature of Student Night & AEG's Jahns Lecturer, Jerry DeGraff, on Tuesday, May 17th. Please come out and hear AEG's marquis speaker, while supporting our students. Special thanks to Western States Soil Conservation for their support in sponsoring the beverages for this meeting! Also on the horizon, on Saturday, June 11th, Dr. Scott Burns will be leading an AEG field trip to Mt. St. Helens. This is sure to be an incredible experience, so please plan to join us for a drive to the volcano!

See you at the Pub on the 17th,

Adam Reese, CEG
Oregon AEG Section Chair

Thank You Western States for Hosting the Beverages!

Western States Soil Conservation, Inc.

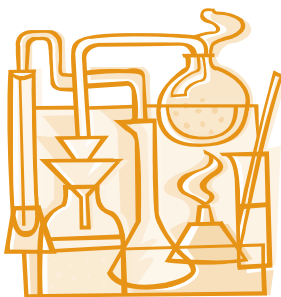
There is no limit to the depths we will go!

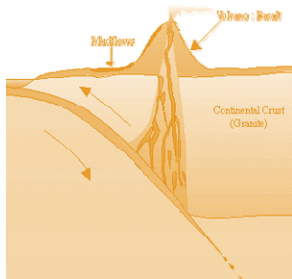


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Oregon Section of AEG Student Award to Attend 2016 Annual Meeting in Kona, Hawaii

Two awards of \$1,250 each will be given to two Student Members of the Oregon Section of AEG meeting the following criteria:

- **Completion of the *Application for Student Award to Attend the 2016 Annual Meeting*** - Application submittal to the Oregon Section Board (board@aegoregon.org) of AEG due by 10 p.m. on Friday June 24, 2016.
- **Active AEG Oregon Section Student Membership** - Any Student Member of the Oregon Section of AEG is eligible for this award. If you are not currently a Student Member of AEG, you may register for free online at www.aegweb.org.
- **Presenting at the AEG 2016 Annual Meeting in Kona** - Abstracts for presenting at the 2016 AEG Annual Meeting must be submitted online to AEG no later than May 1, 2016. Those people submitting abstracts should be notified by the AEG Technical Committee of abstract acceptance by June 1, 2016. A copy of the notice of acceptance from the Technical Committee must be submitted with the application.
- **Essay (250 to 500 words)** - Describe in an essay your geologic activities outside of the university classroom and demonstrate how these activities relate to your geologic professional goals. Activities might include attendance at geology-related meetings, professional field trips, mentorship experiences, volunteering in the community, working in a lab, etc.

Complete applications for this award are due no later than 10 p.m., Friday, June 24, 2016. Selection of the award winners is at the sole discretion of the Oregon Section Board of AEG. The Oregon Section Board of AEG reserves the right to not select a winner or winners if there are an inadequate number of submissions or if applicants do not meet the minimum requirements. We expect to decide on the winners of the award by July 1, 2016.

See the Application Form on Page 5 for submittal details.

Additional award opportunities are available to students, including:

- Complimentary registration from AEG to students who volunteer at the 2016 Annual Meeting.
- Various scholarship and grant opportunities through AEG Foundation (amounts vary), described at <http://www.aegweb.org/?page=ScholarshipsGrants>.

Not a Student?

- Check out the Educators and Young Professional Travel Grants:
<http://www.aegannualmeeting.org/#!/registration/ch6q>



Application for Oregon Section of AEG Student Award to Attend the 2016 AEG Annual Meeting

Student Name: _____

AEG Student Member Number⁽¹⁾: _____

College/University: _____

Address (if your address will be different over the summer, please supply both your current and summer address, if applicable):

E-mail: _____

Phone number: _____

Title of Presentation ⁽²⁾:

Attach a 250- to 500-word essay³ describing your geologic activities outside of the university classroom and demonstrate how these activities relate to your geologic professional goals. Activities might include attendance at geology-related meetings, professional field trips, mentorship experiences, volunteering in the community, working in a lab, etc.

1 - Student membership with AEG is free. An application is available at
http://www.aegweb.org/docs/my-member-documents/student_new_graduate_member_application.pdf

2 - Submit a copy of your abstract with this application, and a copy of the notice from the AEG Technical Committee indicating your abstract was accepted for presentation at the 2016 AEG Annual meeting.

3 - Attach essay and additional supporting documentation, if applicable.

Applications are due no later than 10 p.m., Friday, June 24, 2016. It is the intent of the AEG Oregon Section Board to select the award winners by July 1, 2016. Selection of the award winners is at the sole discretion of the Oregon AEG Board.

Please submit the application package via email to all five members of the Oregon Section Board:

Oregon Section Chair, Adam Reese:

AReese@Apexcos.com

Oregon Section Chair Elect, Stephen Hay:

stephen56362@gmail.com

Oregon Section Treasurer, Mark Swank:

mark.swank@pbsenv.com

Oregon Section Secretary, Chris Humphrey:

geohumphrey@yahoo.com

Oregon Section Past Chair, Linda Mark:

lmark@esassoc.com

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

Hans Cloos



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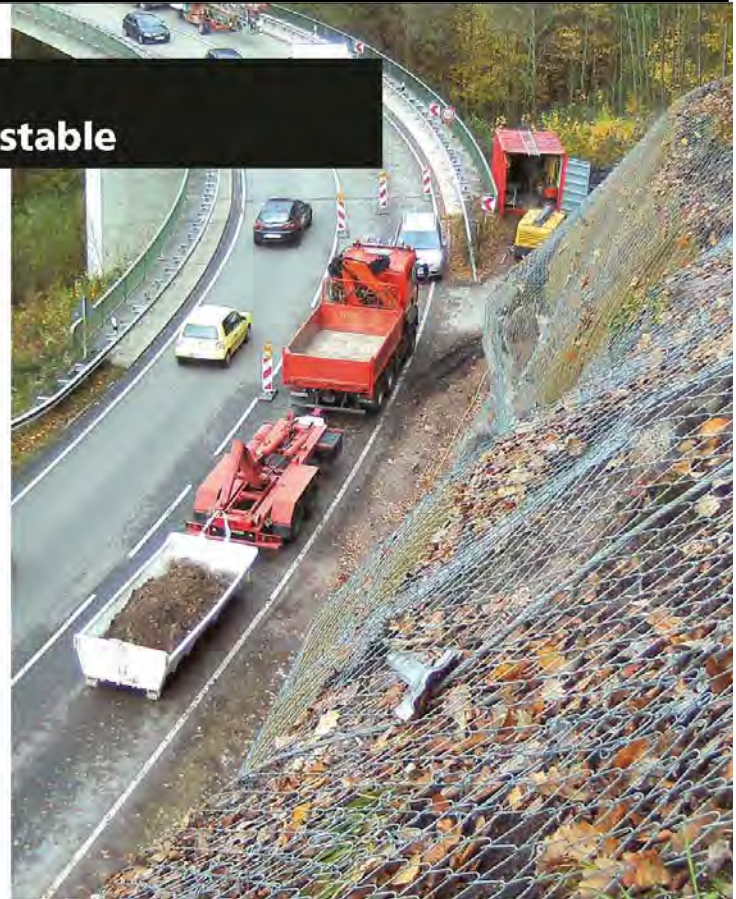
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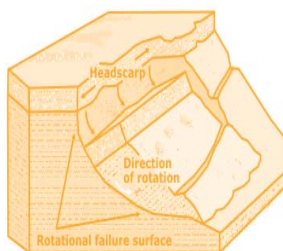
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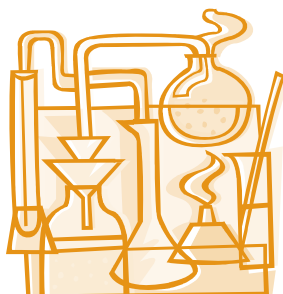


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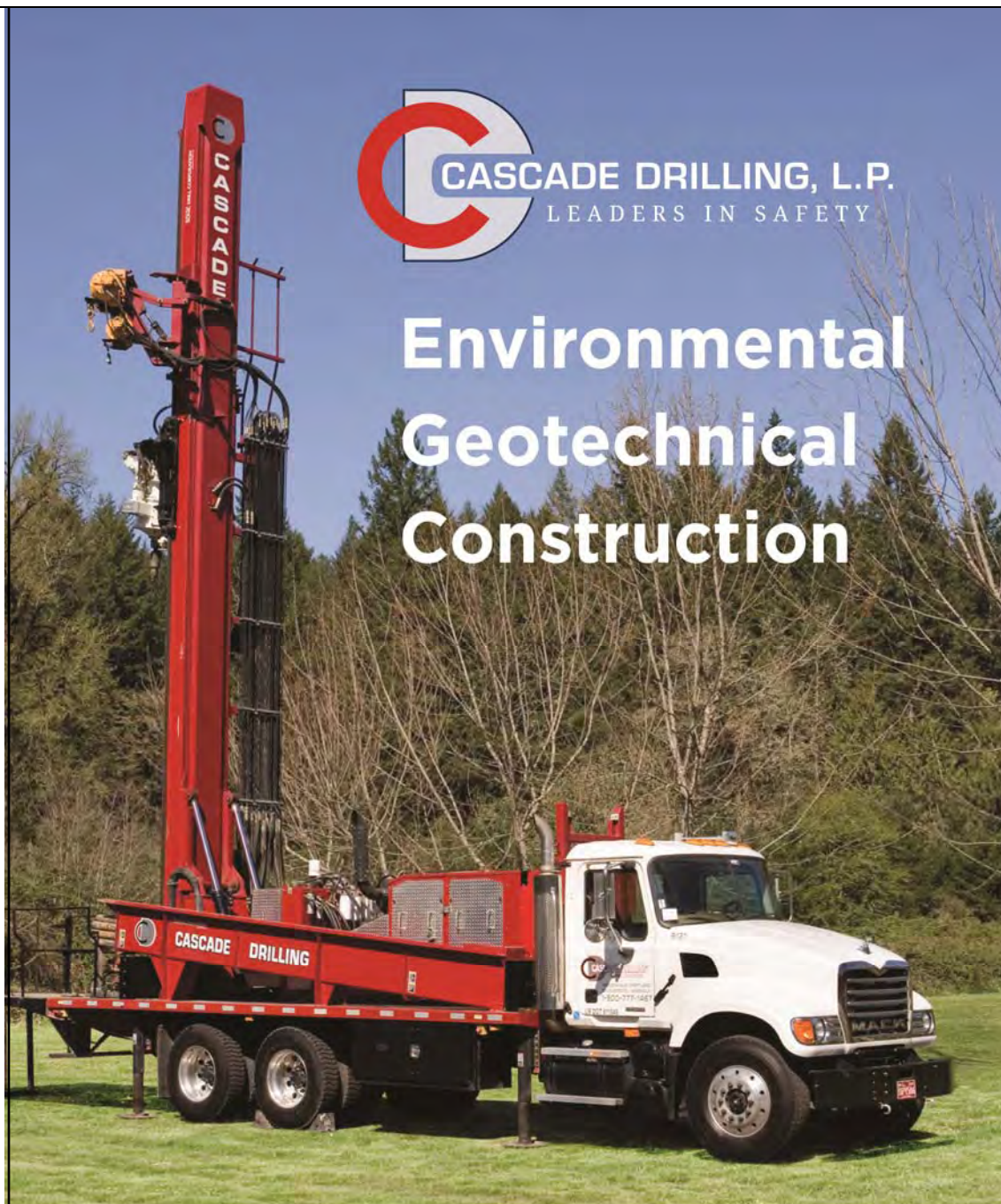
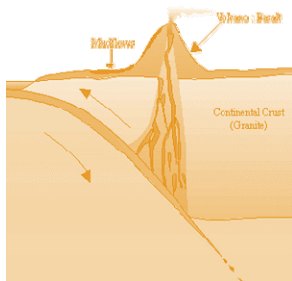
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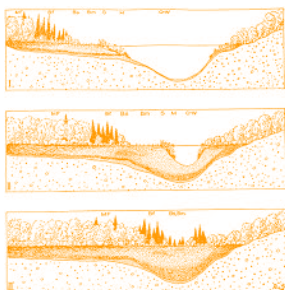


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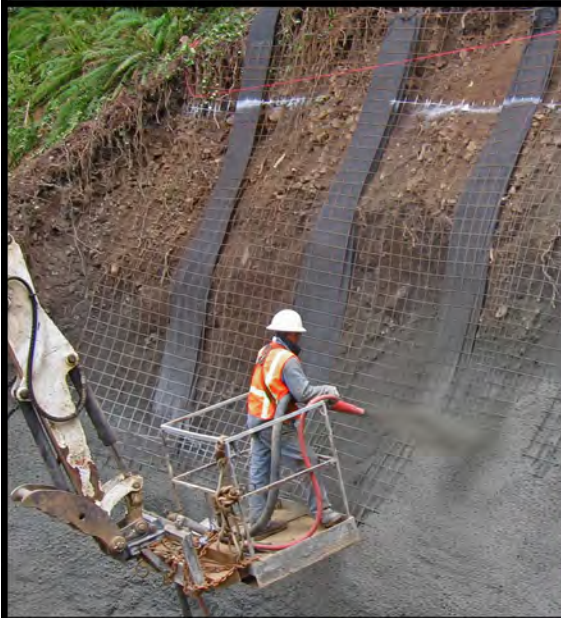
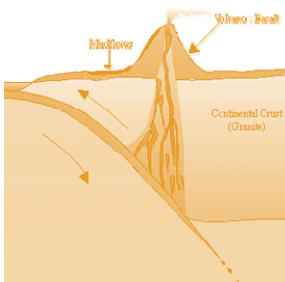
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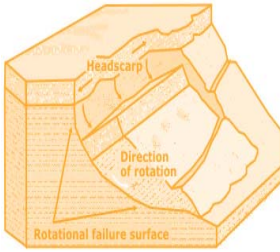


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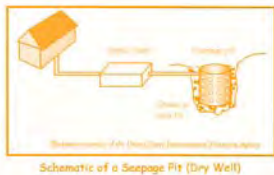
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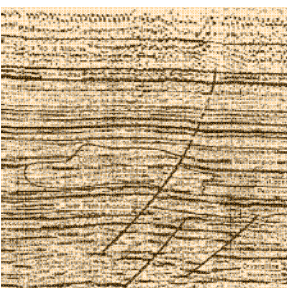
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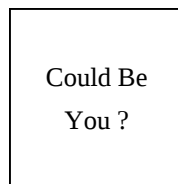
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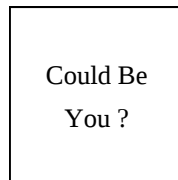
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The Oregon Section Newsletter

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