

ACS Portland meeting Thurs. May 10 6-9 pm

features

Dr. Scott Burns

Professor Emeritus of Geology, PSU

in a talk entitled

“The Dyanmic Terroir of the Willamette Valley: The Relationship Between Geology, Soil, Climate and Wine”

Oswego Hills Vineyard and Winery

450 S Rosemont Rd, West Linn, OR 97068

[web page](#)

RESERVATIONS

\$10 per person (pay online or prepay by check). Reservations recommended. Reservation deadline Tuesday noon May 8. Reservation cost increases to \$15 at the door or after the deadline.

DINNER: Heavy hors d'ouvres

OPTIONAL WINE TASTING: \$20 / \$10 with purchase of at least one bottle of wine

More information: <https://www.pdx.edu/geology/dr-scott-burns>

Portland Section webpage <http://portland-or.sites.acs.org>

Contact [Scott Vanderwerf](#) if you have questions

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The Dynamic Terroir of the Willamette Valley: The Relationship Between Geology, Soil, Climate and Wine

Terroir is a French term that is over 400 years old and was used to describe why wines of one area tasted different from wines of another area, even though they were the same variety. It is the “taste of the place”. It is determined by the geology, soil, climate and soil biota. One of the greatest places in the world to taste differences in terroir is the Willamette Valley (wine region of the year for the whole world for 2017 – Wine Enthusiast). The valley grows primarily cool climate grapes like pinot noir, pinot gris, chardonnay, riesling, Muller-Thurgau, and gewurtztraminer. Terroir is best expressed in cool climate grapes like the thin skinned red grape, pinot noir. There are four main geological units, three of which are the main wine producing soils: volcanic soils (Columbia River Basalts and the Jory Soil), marine sediments (sandstones and shales and the Willakenzie Soil), volcanic soils with old silt mixed in (Laurelwood Soil) and the lesser used Missoula Flood deposits (Woodburn Soil). The same winemaker can produce three different wines in the same year with similar clones if different soils are used. Learn how to be an educated wine taster in Oregon by attending this talk.

BIOGRAPHY: SCOTT F. BURNS

Scott is a Professor Emeritus of Geology and Past-Chair of the Dept. of Geology at Portland State University where he just finished his 28th year of teaching. He was also Associate Dean of the College of Liberal Arts and Sciences at P.S.U. from 1997-1999. He has been teaching for 48 years, with past positions in Switzerland, New Zealand, Washington, Colorado and Louisiana. He is a 6th generation Oregonian who grew up in Beaverton and is very happy to be “home” after a 25 year hiatus! Scott specializes in environmental and engineering geology, geomorphology, soils, and Quaternary geology. In Oregon, he has projects involving landslides and land use, environmental cleanup of service stations, slope sta-

bility, earthquake hazard mapping, Missoula Floods, paleosols, loess soil stratigraphy, radon generation from soils, the distribution of heavy metals and trace elements in Oregon soils, alpine soil development, and the terroir of wine. He has been active in mapping landslides in the Pacific Northwest since his return to Portland. Scott has won many awards for outstanding teaching with the most significant being the Faculty Senate Chair Award at Louisiana Tech University in 1987, the Distinguished Faculty Award from the Portland State Alumni Association in 2001, and the George Hoffmann Award from PSU in 2007. He has authored over 100 publications and has had over 25 research grants. His first book, Environmental, Groundwater and Engineering Geology: Applications from Oregon, came out January of 1998. His second book, Cataclysms on the Columbia, the Great Missoula Floods came out in October of 2009 and is co-authored by Marjorie Burns, a friend and professor at PSU. Scott has been the president of the Faculty Senate at three different universities: Louisiana Tech University and the American College of Switzerland and Portland State University. He actively helps local TV and radio stations and newspapers bring important geological news to the public. For the past 47 years he has been studying wine and terroir – the relationship between wine, soils, geology and climate.

His BS and MS degrees are from Stanford University in California, plus a Ph.D. in geology from the University of Colorado, Boulder. He has memberships in over 20 professional organizations and is most active in the Association of Engineering Geologists, Geological Society of America, National Association of Geology Teachers, and the Soil Science Society of America. He is past president of the Oregon Society of Soil Scientists and the Oregon Section of the Association of Engineering Geologists. He was national chair of the engineering geology division of the Geological Society of America (GSA) in 1999-2000. . He was national president of the Association of Engineering Geologists from 2002-2003. He is today president of the International Association of

Engineering Geologists. He was chosen a fellow of the Geological Society of America in 2004. Scott was chosen a fellow with the Kellogg National Fellowship Program from 1990 - 1993 based on his national leadership performance. He was president of the Downtown Rotary Club of Portland, Oregon's oldest and largest Rotary club in 2009.

He has won some national awards in geology: distinguished practice award from the engineering geology division of GSA in 2012, the Richard Jahns Award for engineering geology (top engineering geologist in the U.S.) from GSA and AEG in 2011, the Shoemaker Award for Public Service to the US (GSA) in 2011, and on the state level, the "Outstanding Scientist for Oregon for 2014" from the 73 year old Oregon Academy of Sciences.

He has been active working with youth as a basketball coach. Scott enjoys all sports, especially basketball, running, skiing, hiking, swimming, tennis, and golf. He has been married for 43 years to Glenda, and they have three children: Lisa (40), Doug (36) and Tracy (3) and one grandson, Desmond (1). The Burns family lives in Tualatin, Oregon.

Portland Section Recognizes Members with 50 and 60 years of service

The Portland Section will recognize seven members at the May 10 meeting at Oswego Hills Vineyard and Winery who have had continuous membership in the Society for 50 and 60 years.

The following members, all from Portland, are recognized for 50 years of continuous membership:

Mr. George Dewey Purvis

Dr. Albert Levit

Dr. Sydney B. Newell

Dr. John Lionel Firkins

Mr. Peter J. Mabey

Two members, both from Portland, are being recognized for 60 years of membership:

Dr. Walter Greizerstein

Mr. Byron G. Held

Members and their guest will be guests of the Portland Section at the May 10 event at the winery and will receive their official certificate from the Society recognizing years of membership. Lapel pins showing years of service will have been received by each recognized member.

Great Success for 2018 Oregon Science Startup Forum in Corvallis

This year's Oregon Science Startup Forum (OSSF) was held on the campus of Oregon State University in the Linus Pauling Science Center. A program of 32 presenters provided a day-long information palette including "What It Is Like to Be A Science Entrepreneur?" and "How to Fund Your Startup". More than



80 attendees learned the rudiments of being an entrepreneur during the one-day event held April 28.

Panelist Rachel Dreilinger (@RadicalRDRachel) (photo left) tweeted: "Today I spoke on a panel "How to Start a Company" at the Oregon

Science Startup Forum at @OregonState. This is a science entrepreneurship event hosted by the American Chemical Society. I brought my 15yo son Nick and he took photos!"



Should I Form A Company? with panelists Andy Soria (standing), David Knaus, Jenn Amador, and Rich Carter. (photo Jim Tung)