



NORTHWEST GEOLOGICAL SOCIETY

A regional association of professionals, students & others interested in geology
Please browse www.nwgs.org for more about us



December 2014 Newsletter

Volume 28, Number 8



December 9 Program Speaker

Speaker: Grace Winer, Seattle Central Comm. College

Title: Iceland: La Terre Vivante

Abstract:

La Terre Vivante means “the living Earth” and this term well describes Iceland. Because of its unique tectonic setting on the Mid-Atlantic Ridge *and* over the Iceland mantle plume, Iceland is one of the most geodynamically active places on Earth. Here the earth quakes, volcanoes erupt, glaciers advance and retreat, and giant glacial outburst floods roar across the land from icecaps to the sea. This presentation describes the volcanic geology of Iceland, its past and present glaciation, and the sometimes violent interactions of its fire and ice. Subglacial and subaerial eruptions form very different landscapes as ice comes and goes and varied types of volcanic eruptions continue to build the island of Iceland.

5:30pm: No-host social hour

6:30pm: Buffet dinner

7:30pm: Speaker program

All are welcome to attend –
reservations are required
if coming for dinner.

► [Reservations here](#) 

PROGRAM DINNER RESERVATIONS: NWGS members: **\$40**; Non-members: **\$45**; Full-time students : **\$20**. Add \$5 for LATE REGISTRATION. Make your reservation and payment on-line at www.nwgs.org (or mail your payment to *Northwest Geological Society, 4616 25th Ave NE #397, Seattle, WA. 98105* (must be received by Thursday prior to meeting)). Contact Secretary [Beth Tanner](#) with questions about dinner reservations.

If attending the speaker program only, a \$5 voluntary donation to help defray the meeting room cost is requested.

Location: Pacific Dining Hall at the [Talaris Conference Center](#), 4000 NE 41st St., Seattle, WA., 98105. **Directions:** See [on-line directions with map](#), or: from I-5 northbound or southbound in Seattle, take Exit 168B (NE 45th St.). Drive east on NE 45th St. past UW down the hill and past University Village. Turn south (right) onto Mary Gates Memorial Drive at the 5-way intersection. MGM Drive will curve east (left) and become NE 41st St. Continue several blocks to the [Talaris Conference Center](#) entrance on the north (left) side. We meet in the Pacific Dining room on the left.

Upcoming Speakers and Field Trips

January 13: Michael Polenz & Trevor Contreras, WA DNR, A recent geologic mapping project.

February 10: TBA.

Spring Field Trip: TBA.

Summer: there is some talk of putting together a Scotland field trip! Stay tuned!

Fall Field Trip: possible trip to the east and north sides of the Olympic Mtns.

If you would like to volunteer to give a talk or lead a field trip for NWGS, please contact President Elect [Grace Winer](#).

Please see the [NWGS website](#) for detailed announcements.

Contact webmaster [Julie Masura](#) if you have any announcements to post on the website.

Announcements

- There have been discussions about resurrecting the outstanding publication **Washington Geology**, originally published by WA DNR, with people from NWGS acting as *Scientific Editor* and *Technical Editors*. If interested, contact [Dan Smith](#).
- The **Montana Minerals & Mining Symposium**, supported by the Montana Bureau of Mines and Geology, will be held May 8-10, 2015 at Montana Tech in Butte. Contact [Stanley Korzeb \(skorzeb@mttech.edu\)](mailto:skorzeb@mttech.edu) for more info.
- Please contact [Grace Winer](#) if you would like to be added to the NWGS Speakers Bureau or would like more information.
- Next Board Meeting: TBA.

YOU would like to be involved!

Photo Spotlight



Exit glacier off Vatnajökull is both retreating and downwasting (Grace Winer photo).

About NWGS

NWGS, a regional association of professionals, students & other persons interested in **geology**, provides a forum for the presentation and discussion of a wide range of geologic topics, emphasizing those of the Pacific Northwest of fundamental scientific interest.

YOU would like to be involved!

Program meetings: 2nd Tuesdays, October through May in the Pacific Dining Hall at the [Talaris Conference Center](#) in Seattle (see 1st page). Anyone may attend the speaker program, but a reservation is necessary for those wanting dinner (see 1st page). **Field trips (members only):** one in late spring/early summer and one in late summer/early fall, usually of 1-3 days in length. **Membership** is open to anybody with a professional or amateur interest in geology. **Annual dues:** Professional: \$30; Student: \$5. **To join or pay annual dues:** send a check payable to NWGS to Secretary [Beth Tanner](#), 4616 25th Ave NE #397, Seattle, WA. 98105. Please include your name, address, home phone, email, and employer/affiliation (if any). Professional dues may now also be paid at www.nwgs.org.

YOU would like to be involved!

Recommended Readings

Dunning, Stuart A., et al., 2013, The role of multiple glacier outburst floods in proglacial landscape evolution: The 2010 Eyjafjallajökull eruption, Iceland: *Geology*, v. 41; no. 10; p. 1123-1126.

Mattsson, H., and Höskuldsson, Á., 2003, Geology of the Heimaey volcanic centre, south Iceland: early evolution of a central volcano in a propagating rift?: *Journal of Volcanology and Geothermal Research* 127, 55-71.

Pagli, C., and Sigmundsson, F., 2008, Will present day glacier retreat increase volcanic activity? Stress induced by recent glacier retreat and its effect on magmatism at the Vatnajökull ice cap, Iceland: *Geophysical Research Letters*, v. 35, L09304, doi: 10.1029/2008GL033510 (<http://onlinelibrary.wiley.com/doi/10.1029/2008GL033510/full>).

Please send your reading recommendations to Newsletter Editor [Tom Bush](#).

To report a change of email or postal address or request to be removed from mailings, notify Membership Chair [George Bennett](#). Questions or comments? Contact President [Dan Smith](#).

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