



NORTHWEST GEOLOGICAL SOCIETY

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

March, 2025 Newsletter

Volume 39, Number 3

March 11 Program Speaker

5:30pm: No-host social hour; 6:30pm: Dinner
7:30pm: Speaker program ([reservations here](#), see below for details)

Speaker: Trenton Cladouhos, PhD, Quaise Energy

Title: Super Hot Rocks and Geothermal Energy

Abstract: Despite the presence of the Cascade volcanic arc and 50 years of exploration, Washington has no commercial geothermal projects and Oregon has few compared to other the western states. This is due to historically low-cost electricity, well-protected scenery, and exploration challenges posed by dense vegetation, glacial deposits, and extreme precipitation. Increased electricity demand and recent technology advancements in geothermal exploration, drilling, and production present many new opportunities to develop geothermal resources in the PNW.

IN-PERSON PROGRAM DINNER RESERVATIONS!

Cost: NWGS member dinner: \$40; Non-member dinner: \$50; Student dinner: \$10; Talk-only: \$10; Student talk-only: free

To register for attending in-person: please [make your reservation here](#) (nwgs.org/meeting-registration/) by the Thursday prior to the meeting.

Catered menu: Cottage pie (Shepherds pie with beef), vegan Shepherds pie, roasted carrots, fried cabbage, spring salad with apples glazed pecans and honey balsamic vinaigrette, Irish soda bread.

Location: Fautleroy YMCA next to the Fautleroy UCC Church, West Seattle, 9140 California Ave SW, Seattle, WA. 98136. Use the parking lot on the [north side of the building](#). Get [Google Maps driving directions here](#).

Cost: NWGS member dinner: \$40; Non-member dinner: \$50; Student dinner: \$10; Talk-only: \$10; Student talk-only: Free

Upcoming Speakers and Field Trips

April 8: Akshay Mehra, Assistant Professor UW, Big data, deep time: combining field observations with computational analyses to reconstruct Earth history

May 13: Baptiste Journaux, Assistant Research Professor, UW, Is ice a mineral?

Spring FT: George Bennett, Kurt Siegfried, and David Boyer, Cascade Quarry and Proctor Creek Mines near Gold Bar, WA., Saturday, May 3.

Fall FT: TBD

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

Please see the [NWGS website](#) for detailed announcements.
Contact webmaster [Matthew Porter](#) if you have any announcements to post on the website.

Announcements

- Please notice below that there is still **several Board positions** open. These include the critical **President Elect** position. This position is generally filled at the end of the calendar year and is essential for the smooth functioning of our gatherings. The primary responsibility is to start lining up speakers starting in a year, so it does not require a large time commitment. Please contact President [David Boyer](#) or any Board member for more information. Shared governance is critical for the continued viability of our organization.
- The **spring field trip** will be a visit to the **Cascade Quarry** and **Proctor Creek Mines** near Gold Bar, led by George Bennett, Kurt Siegfried, and David Boyer. The Cascade Quarry is a hard rock operation and has some excellent exposures along several benches. Proctor Creek Quarry is both a sand and gravel and hard rock operation. There is an excellent outwash exposure in the quarry (that is currently being mined) and there will be drill core and outcrop to look at that is related to the hard rock portion of the mine that is being permitted. **Date: Saturday, May 3.**
- The **COLDEX Center for Oldest Ice Exploration** is looking for student applicants for its NSF 2024 Research Experience for Undergraduates (REU) program. NSF COLDEX REU students are financially supported to present their research at TWO scientific meetings!. For more information and to apply, please visit [CODLEX NSF REU](#).
- Next **Board of Directors meeting**: Tuesday, **March 18**, 6:00 pm via Zoom. Members are welcome to attend. Please email nwgs.secretary.com for the Zoom link.

Photo Spotlight



Big Obsidian flow and Paulina Lake in the Newberry Caldera (OR), site of Enhanced Geothermal System R&D.

About NWGS

The [Northwest Geological Society](#) is a non-profit educational organization which provides a forum for information and discussion on Northwest geology and related topics. The Society sponsors talks by leading academic and professional geologists at its monthly meetings, conducts field trips to locales of regional geologic interest, and publishes meeting summaries and field guides based on those activities. Membership is open to anyone interested in regional geoscience issues.

Program meetings are the 2nd Tuesdays, October through May at the [Fauntleroy YMCA in West Seattle, 9140 California Ave SW, WA. 98136](#). Reservations are required to attend in-person (Member dinner: \$40; Non-member dinner: \$50; Student dinner: \$10; Talk-only: \$10; Student talk-only: free).

Field trips (members only): The Society sponsors two overnight field trips each year, one in the fall and one in the spring, to locales of regional geologic interest.

Membership is open to anybody with an interest in geology. **Annual dues**: Professional: \$55; Student: \$10. **To join or pay annual dues**: go to the [NWGS website](#), or visit our website for more details. We look forward to seeing you soon!

Recommended Readings

Donaghy, E.E., Eddy, M.P., Ridgway, K.D., Ickert, R.B., 2024, Sedimentary record of oceanic plateau accretion: Revisiting the Eocene to Miocene stratigraphy of the northern Olympic Peninsula, Washington (USA), *Geosphere*, vol. 21, no. 1, pp. 49-73, <https://doi.org/10.1130/GES02778.1>.

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

To update your account information,, go to [NWGS.org/membership](https://nwgs.org/membership).
Questions or comments? Contact President [David Boyer](#).

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