

NORTHWEST GEOLOGICAL SOCIETY

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



April, 2018 Newsletter

Volume 32, Number 4



April 10 Program Speaker

Speaker: Jim O'Connor, U.S. Geological Survey (Geology, Minerals, Geophysics and Energy Center), Portland, OR.

Title: The Great Missoula Floods of the Last Ice Age; Old and New

Abstract: The Missoula Floods of the last Ice Age in the Pacific Northwest were the largest freshwater floods yet known on the surface of the Earth. The flood-formed landscape is spectacular; huge coulees of the Channeled Scabland, flood-borne rocks the size of small houses, immense now-dry cataracts dwarfing Niagara. Many of these features can be seen from space and have long inspired awe. But the Missoula Floods are also a story of controversy; an example of dogma and personality obscuring and facilitating the quest for truth. Heretical humongous floods versus leisurely streams eroding the landscape; one or two floods versus scores? The Missoula Floods provide a cataclysmic background demonstrating science in action, not always pretty, but continuously motivated by the wonderment of discovery.

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 (see map p. 3): 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

May 8: Keith Hodson, UW PhD candidate, Moab Fault Chemistry

May 18-20: Spring field trip, Eric Cheney, UW Emeritis, Floods, Flows, Faults, Glaciers, Gold and Gneisses, From Quincy to Wenatchee (see important announcement on p. 2).

Civilization exists by geologic consent, subject to change without notice.—Author Will Durant (1885-1981).

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

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

Announcements

- The joint NWGS/AEG symposium *Living With Earth Hazards in Western Washington* last month was very successful. Thanks to the organizing committee for all their hard work and to all those who attended!
- If going on Eric Cheney's spring field trip, you need to book your motels in Ephrata and Wenatchee by the end of March. Look for a separate email with details or contact [Kathleen Goodman](#).
- Tom Williams of *GeoAdventures* will lead the field trip, **Dolo-Slove Rocks!**, a 10-day tour of [the dolomites of Italy](#), late June-early July, 2019. Cost is \$3980. To register, please send your \$800 deposit to *Williams GeoAdventures*, 101 Ross St, #4, Cotati, CA. 94931. For more information, contact [Kathleen Goodman](#).
- Next Board of Directors meeting: May 8 (no April meeting), 4:30PM, Talaris Conference Center.
YOU would like to be involved!

Photo Spotlight



Sampling quartz for cosmogenic nuclide geochronology from a flood-transported boulder on the flank of an immense bar near Pateros, Washington.

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: \$42; 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

Baker, V.R., 2009, The Channeled Scabland--A Retrospective: Annual Reviews of Earth and Planetary Science, v. 37, 6.1-6.19.

Balbas, A., Barth, A.M., Clark, P.U., Clark, J., Caffee, M, O'Connor, J.E., Baker, V.R., Konrad, K., Bjornstad, B., 2017, 10Be dating of late-Pleistocene megafloods and Cordilleran ice-sheet retreat in the north-western U.S. *Geology*, v. 45, p. 583-586. doi:10.1130/G38956.1

Waitt, R.B., 2016, Megafloods and Clovis cache at Wenatchee, Washington, *Quaternary Research*, v. 85, p. 430-444.

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 [Tom Colligan](#).

NWGS Board

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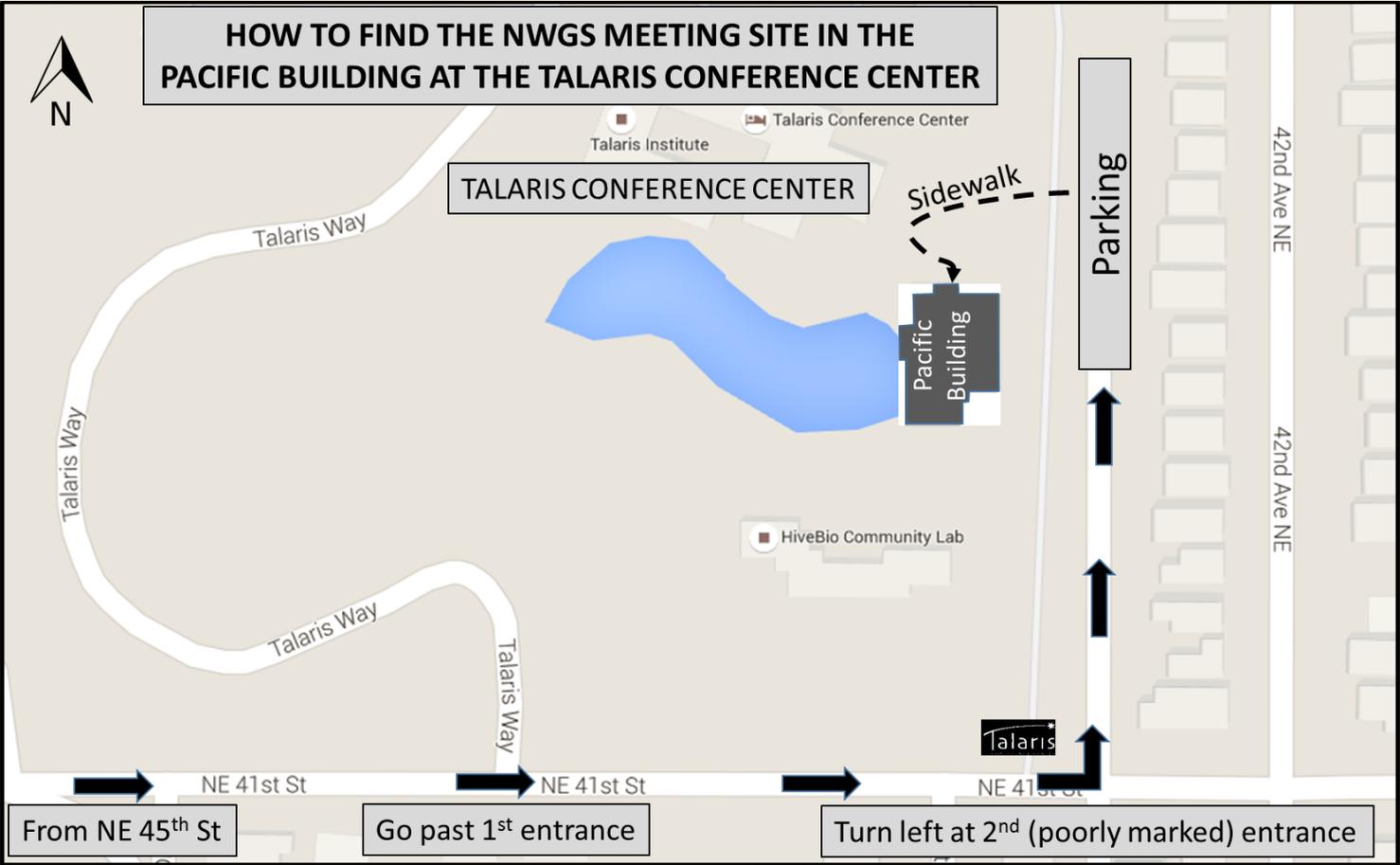
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HOW TO FIND THE NWGS MEETING SITE IN THE PACIFIC BUILDING AT THE TALARIS CONFERENCE CENTER



From NE 45th St

Go past 1st entrance

Turn left at 2nd (poorly marked) entrance