

# NORTHWEST GEOLOGICAL SOCIETY

A regional association of professionals, students & others interested in geology  
Please browse [www.nwgs.org](http://www.nwgs.org) for more about us



## May, 2019 Newsletter

Volume 33, Number 5



**May 7 Program Speaker** (note: this month's meeting is on the 1st Tuesday of May)

### 2019 Student Poster Competition

This month's meeting will highlight the 2019 NWGS Student Poster Competition. Students from community colleges and universities throughout the Puget Sound region will present their interesting recent research in poster form and short, 3-minute oral presentations focusing on their research results in local geology and environmental science. Posters will be available for viewing starting at 5:30pm. Come early, browse the posters, and converse informally with the student authors about their research results. A delicious buffet dinner will be served at 6:30pm, so be sure to register for dinner if you plan to come for the meal. Oral presentations will begin at 7:30pm.

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](#) 

This meeting will include 12 posters and presentations on a variety of topics from heat flow under part of Antarctica, "ice quakes" from ice calving off glacier faces, the role of eelgrass in cycling heavy metals, a methodology for photographically documenting fossils, volcanic and seismic hazards in the Pacific Northwest, provenance studies of the Steilacoom gravels, and other stimulating topics.

Presentations will be followed by a brief awards ceremony where the best posters from each level will be recognized. Please come and show your support for the next generation of earth scientists and NWGS leadership who will soon be our professional colleagues.

**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](http://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

**Spring Field Trip:** Corky Smith, Twin Sisters dunite quarry access near Acme, with possible side stops at the Darrington phyllite afterwards. Saturday, June 1. Contact [Kathleen Goodman](#) immediately if interested.

**Fall Field Trip:** Jim O'Connor (April, 2017 speaker), USGS, will lead a **Channeled Scablands** trip, Oct. 4-6, 2019.

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

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

## Announcements

- Because the Talaris has been sold and is closing, our new meeting venue starting in this October will be the [Silver Cloud Hotel–University District](#), 5036 25th Ave NE, only about a mile NW of the Talaris. The no-host social hour will be in the hotel’s Ag47 Bar & Bistro, with the buffet dinner and speaker presentation in a large dining room downstairs. Parking is free.
- The **Twin Sisters dunite quarry** field trip has come to fruition after all, thanks to Linda Khandro’s efforts, to be led by Corky Smith of the quarry on Saturday, June 1. The trip will depart and return from and to Seattle, with possible Darrington phyllite stops afterwards. Limited to 12 people; contact [Linda Khandro](#) immediately if interested.
- **Next Board of Directors meeting: May 7, 4:30 P.M.**, Talaris Conference Center.  
*YOU would like to be involved!*

## Photo Spotlight



Fossilized fish piled one on top of another in North Dakota, interpreted to represent a deathbed that resulted from the 66 Ma K/Pg mass extinction-causing meteor and the resulting tsunami that spread throughout the interior seaway of North America. The piling up of the fish in this manner suggests that they were flung ashore and were stranded and died after the tsunami withdrew. From Sanders, 2019 (see Recommended Readings).

## 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:** 2<sup>nd</sup> Tuesdays, October through May in the Pacific Dining Hall at the [Talaris Conference Center](#) in Seattle (see 1<sup>st</sup> page). Anyone may attend the speaker program, but a reservation is necessary for those wanting dinner (see 1<sup>st</sup> 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](http://www.nwgs.org).

*YOU would like to be involved!*

## Recommended Readings

DePalma, R. A., Smit, Jan, Burnham, D. A., Kuiper, Klaudia, Manning, P. L., Olenik, Anton, Larson, Peter, Maurrasse, F., J., Vellekoop, Johan, Richards, M. A., Gurche, Loren, and Alvarez, Walter, 2019, A seismically induced onshore surge deposit at the KPg boundary, North Dakota, Proceedings of the National Academy of Sciences, April 1, 2019, <https://doi.org/10.1073/pnas.1817407116>.

Sanders, Robert, 2019, 66 Million-Year-Old Deathbed Linked to Dinosaur-Killing Meteor, Berkeley News, March 29, 2019, <https://news.berkeley.edu/2019/03/29/66-million-year-old-deathbed-linked-to-dinosaur-killing-meteor/>.

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](#).

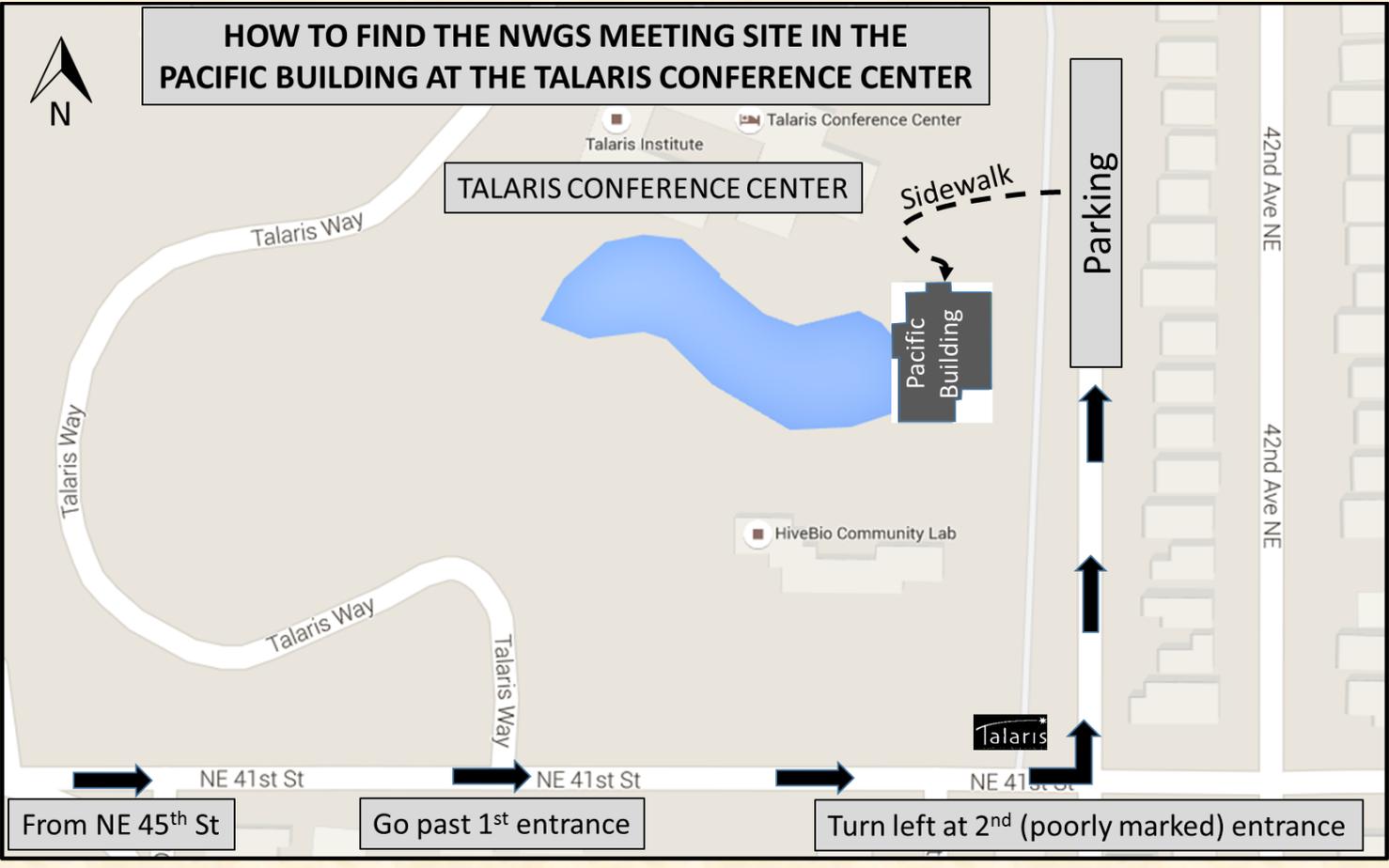
## NWGS Board

President	<a href="#">Heather Vick</a> Dep. of Ecology
President Elect	<a href="#">Katie Brower</a> Nelson Geotechnical
Past President	<a href="#">Tom Colligan</a> Floyd   Snider
Secretary	<a href="#">Beth Tanner</a> Windermere Real Estate
Treasurer	<a href="#">George Bennett</a> Bennett Consulting
At-Large Board Members	<a href="#">Linda Khandro</a> Geoscience Instructor <a href="#">John LaManna</a> LaManna Geosciences

## Other Personnel

Membership Chair	<a href="#">George Bennett</a> Bennett Consulting
Field Trip Coordinator	<a href="#">Kathleen Goodman</a> , AMEC
Newsletter Editor & Publications	<a href="#">Tom Bush</a> Pierce College Puyallup
Poster Chair	<a href="#">Maura O'Brien</a> Wa. Dept. of Ecology
Webmaster	<a href="#">Julie Masura</a> Univ. of Washington
Facebook Pagemaster	<a href="#">Eric Baer</a> Highline CC

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



From NE 45<sup>th</sup> St

Go past 1<sup>st</sup> entrance

Turn left at 2<sup>nd</sup> (poorly marked) entrance