

# 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

## February, 2019 Newsletter

Volume 33, Number 2

### February 12 Program Speaker

**Speaker:** Michael Holland, Michael Holland Productions

**Title:** Reconstruction of Dinosaur Fossils—How and Why to Build a Dinosaur

**Abstract:** Most of us have seen fossils in museum exhibits, but interpretive content often does not include much information about how they got there. This presentation offers details about the journey a fossil specimen makes in going from the lab or collection room to the museum exhibit gallery, exploring the methods and processes of and the reasons for the creation of fossil skeletal mounts and reconstructions. Using techniques and tools hundreds of years old along with the latest technology, Michael has created paleontological exhibit features in small rural museums and in the largest on the planet, inspiring their visitors with new and unfamiliar species and presenting clearer understandings of the most famous and iconic dinosaurs. He is currently working in Seattle at the Burke Museum of Natural History & Culture, where he is responsible for the fossil preparation and mounting of the 100% complete skull of the Tufts-Love *T. rex*.

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](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

**March 12:** Liz Schermer, WWU, Paleoseismic Trenching/Active Tectonics Near Port Angeles

**April 9:** Wayne Ranney, Carving of the Grand Canyon

**May 7:** Student poster competition with awards in lieu of a speaker ([please note this is the 1st Tuesday of May](#))

**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 [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

- Students wishing to enter the **Student Poster Competition** at the **May 7** meeting must submit an application and abstract to Poster Chair [Maura O'Brien](#) via email by **Feb. 12, 2019** (no fee to apply). Entries will be confirmed in March. The competition will include **\$500 1st & \$200 2nd prizes** in both Community College and University categories! All accepted abstracts will be published in the fall, a good resume builder. Please contact [Maura](#) for details. (Note that this meeting is rescheduled for the 1st Tuesday, **May 7**.)
- Registration for [Tom Bush](#)'s geology field trip to the **Canyon Country** of SE Utah (Arches/Canyonlands NPs) through Pierce College, which is open to the public, is now underway! **Dates:** Mar. 28-Apr. 6, 2019. **Cost:** \$839. Please contact [Tom](#) for details or to get registered. **Deadline:** March 1, but space is limited.
- The June 27-July 7, 2019 **Italy/Slovenia trip** is full but if you are interested, contact [Kathleen Goodman](#) to start a waitlist.
- **Next Board of Directors meeting: February 12 4:30PM**, Talaris Conference Center.

*YOU would like to be involved!*

## Photo Spotlight



Michael makes final adjustments to skeletal mounts of the duckbill dinosaur *Ugranaaluk kuukpikensis*. Photo by Laure Spicher.

## 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

Burke Museum, 2018, All bones are accounted for in *T. rex* skull, Burke Museum Blog, <http://www.burkemuseum.org/blog/all-bones-are-accounted-t-rex-skull>. (Note that the Burke Museum is now closed until October for moving into a new building.)

Godinez, Andrea, 2016, Paleontologists with the UW's Burke Museum discover major *T. rex* fossil, UW News, August 18, 2016, <https://www.washington.edu/news/2016/08/18/paleontologists-with-the-burke-museum-uw-discover-major-t-rex-fossil/>.

Mori, Hirotsugu, Druckenmiller, P.S., and Erickson, G.M., 2016, A new Arctic hadrosaurid from the Prince Creek Formation (lower Maastrichtian) of northern Alaska, *Acta Palaeontologica Polonica*, vol. 61, no. 1, pp. 15-32, doi: <http://dx.doi.org/10.4202/app.00152.2015>.

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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## Other Personnel

Membership Chair [George Bennett](#)  
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Field Trip Coordinator [Kathleen Goodman](#), AMEC

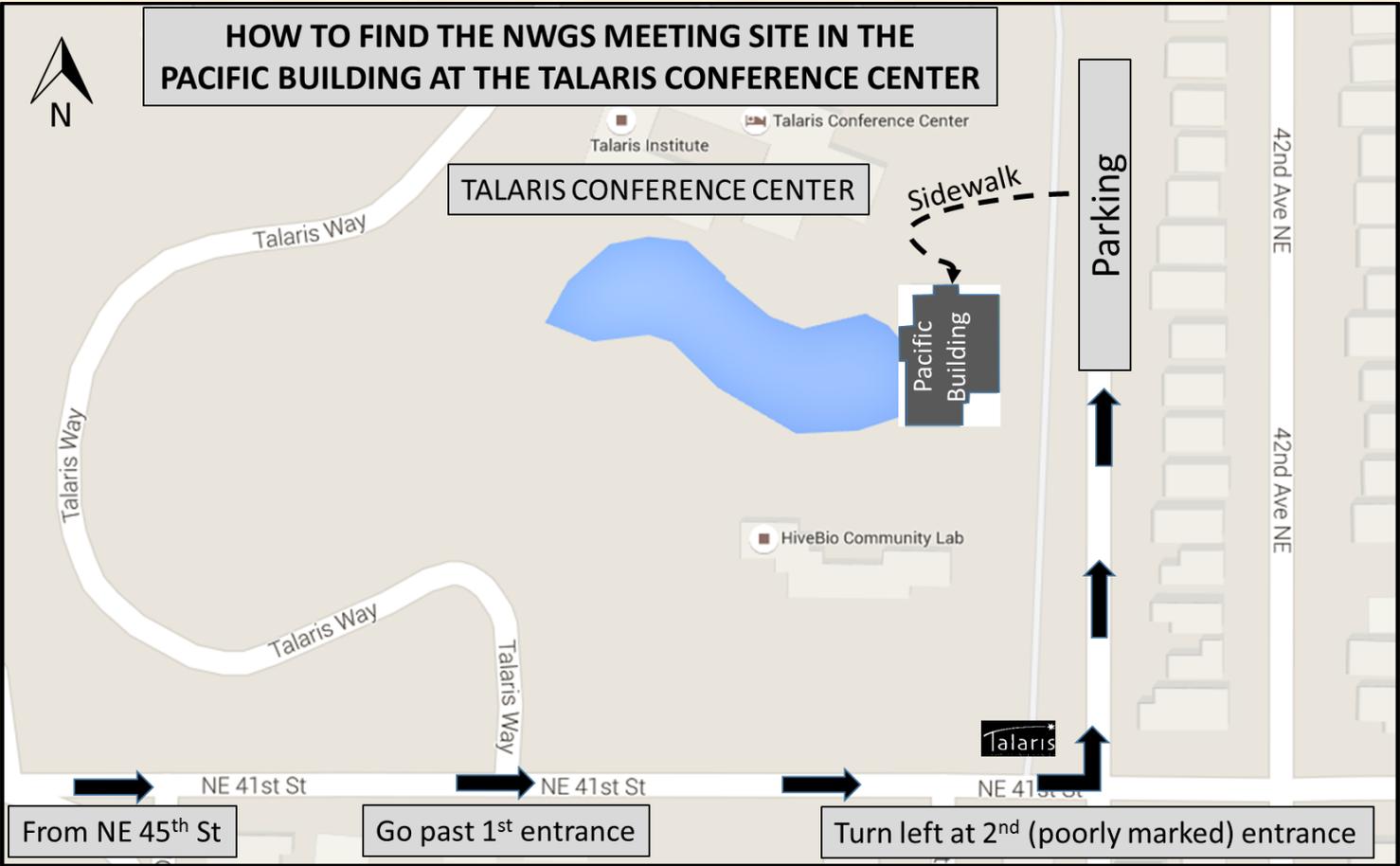
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Highline CC

# 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