

NORTHWEST GEOLOGICAL SOCIETY

A regional association of professionals, students & others interested in geology
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April, 2016 Newsletter

Volume 30, Number 4



April 12 Program Speaker

Speakers: Dorothy Metcalf-Lindenburger (UW) and Melissa Rice (WWU)

Title: Human Exploration—Training for Mars

Abstract: Currently, NASA is completing its Orion capsule and preparing the Space Launch System, which will return the United States to human exploration in the solar system. Eventually, Mars will be the destination. Former Astronaut, Dorothy Metcalf-Lindenburger, will share her insights about her own Shuttle training, mission, and analog training as an aquanaut (NEEMO 16). She will also talk about which aspects of training and preparation will likely remain the same, and what additions will be made for future explorers. As the Apollo astronauts trained in geology in New Mexico, future astronauts will spend more time studying geology and the surface of Mars.

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](#) 

Note: At the March meeting, *President Jim Miller* assigned homework: read the book The Martian (2014), or at least watch the movie by the same title (2015, starring Matt Damon as astronaut Mark Watney), before this month's talk.

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 (**SEE MAP ON P. 3**).

Upcoming Speakers and Field Trips

May 10: Matt Taylor, UW, Stone Tool Evolution Through Pre-history.

Spring, 2016: Field trip to one or two quarries near Granite Falls, May 7 or 14, lead by quarry personnel.

Fall, 2016 Field Trip: Eric Cheney, Geology of the Republic area and the Okanogan Metamorphic Core Complex, September or October. Details TBA.

October 11: Ned Brown (WWU Retired), The San Juan Islands and the Northwest Cascades Thrust System.

November 8: Joint meeting with AWG- Speaker and topic from AWG.

December 13: David Williams, Geological and Geomorphic Controls on the Historical Development of Seattle

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

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

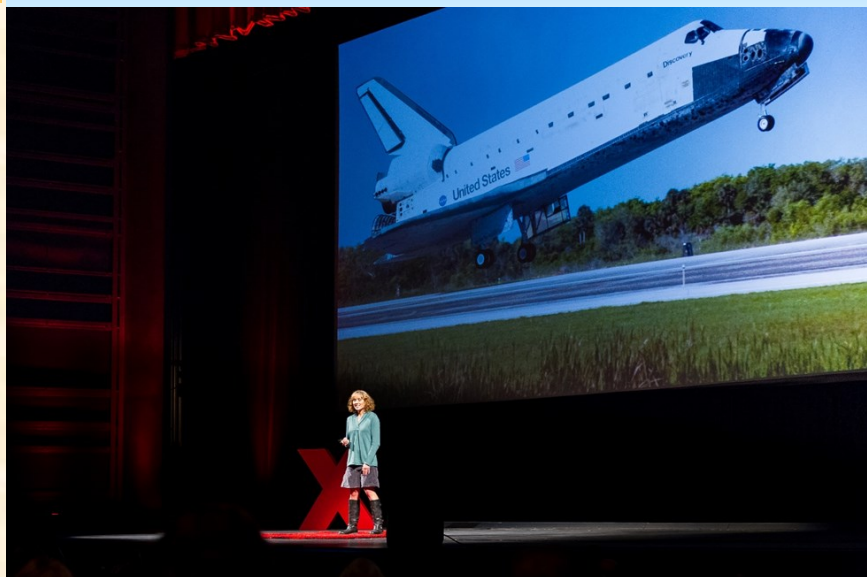
Contact webmaster [Julie Masura](#) if you have any announcements to post on the website.

Announcements

- The **2018 NWGS Symposium** will be in early May, 2018. It will likely be 2 days, with technical sessions the first day and public presentations the second day, plus a one-day field trip either before or after. The USGS and AEG are considering involvement. Please consider volunteering for a position on the organizing committee. Contact President [Jim Miller](#).
- The **GSA Rocky Mountain Section Meeting** will be held in Moscow, Idaho this year, May 18-20. See their [web page](#) for details.
- If you have an unusual rock, please bring it to show!
- Next Board Meeting: Tuesday, April 12, 4:30pm, Talaris Conference Center. The 2018 Symposium will be the primary agenda item.

YOU would like to be involved!

Photo Spotlight



Dottie Metcalf-Lindenburger concluding her TEDxRainier talk in November 2014. (Photo credit: TEDxRainier, 2014.)

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

Chappell, S.P., Abercromby, A.F., Todd, W.L., Reagan, M.L., and Gernhardt, M.L., 2013, NEEMO 16: Evaluation of systems for human exploration of Near-Earth Asteroids: https://www.researchgate.net/profile/Andrew_Abercromby/publication/259755667_NEEMO_16_Evaluation_of_Systems_for_Human_Exploration_of_Near-Earth_Asteroids/links/54223d7b0cf26120b7a02009.pdf?origin=publication_list (accessed March 2016).

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 [Jim Miller](#).

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

