



NORTHWEST GEOLOGICAL SOCIETY

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

April, 2009 Newsletter

Volume 23, Number 4

April 14 Program Speaker

Speaker: Tim Walsh, Washington DNR, Geology & Earth Resources

Title: Tsunami Hazards

Speaker Abstract: Washington is a founding member of the National Tsunami Hazard Mitigation Program (NTHMP) and has contributed significantly to its progress. The program has substantially improved the warning systems, created a new forecast model, produced tsunami hazard maps for most of the potentially affected shorelines in Washington, and produced engineering guidance for earthquake and tsunami resistant structures for vertical evacuation from tsunamis. A pilot project is planned for a tsunami-resistant school in Westport. We have designed evacuation plans for at-risk communities, and, most recently, have begun producing earthquake-induced ground failure analyses for tsunami inundation zones to guide effective evacuation and mitigation planning. Recent maps in this series cover Grays Harbor and the Long Beach Peninsula, and will next focus on Ocean Shores.

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.

PROGRAM DINNER RESERVATIONS: NWGS members: \$30; Non-members: \$35; Full-time students : \$10. Add \$5 for LATE REGISTRATION. Mail check to Ginny Agnew, 935 Pine St., Edmonds, WA. 98020 (must be received by Thursday prior to meeting). Contact her at 425-776-6151 or agnew@msn.com.

If attending the speaker program only, a \$5 voluntary donation to help defray the meeting room cost is greatly appreciated.

Location: Pacific Dining Hall at the [Talaris Conference Center](#), 4000 NE 41st St., Seattle, WA. Ph 206-268-7000. **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.

Upcoming Speakers and Field Trips

May Speaker: Jody Bourgeois, UW, [Does Kamchatka belong to North America?](#)

Spring, 2009 Field Trip: Possibilities are in the works. Send your suggestions to [Greg Ferris](#).

Fall, 2009 Field Trip: Options are being discussed. Send your suggestions to [Greg Ferris](#).

Fall, 2009 Field Trip, *Special Edition*: Geology of Kilauea volcano and nearby locations of Mauna Loa and Mauna Kea, Big Island of Hawai'i, Sept. 16-21, 2009 (includes travel days), Tom Bush, Lynn Simmons, and Don Swanson. REGISTRATION IS NOW UNDERWAY! Please contact [Greg Ferris](#) (206.285.2119) for registration information.

Other Announcements

Your research posters are requested! If you have a poster conveying your research, whether at the undergraduate, graduate, or professional level, please **bring it** to our next meeting for display! POSTERS ARE WELCOME AND ENCOURAGED AT ALL MONTHLY GATHERINGS! Also, please contact [Lars Gilmour](#) for information on the official student poster session competition at the *May, 2009* meeting. **Big prizes!!!**

Résumé board: The résumé board is now available again. If you are looking for work in geology, bring your résumé to post. If you are an employer looking to hire a geologist, come and peruse the available talent!

HR 146, the omnibus bill containing the authorization of the **Ice Age Floods National Geologic Trail**, has passed in both houses! Next stop: the President's desk. Thanks to Dale Middleton for all his dedication to this project!

Next Board Meeting: April 14, 4:30pm, [Talaris Conference Center](#).

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

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

Photo Spotlight

Sea stacks on the Olympic coast south of La Push, Washington. This area has been, and will again be subjected to tsunami hazards generated by magnitude 8 or greater earthquakes along the Cascadia subduction zone off the coast of the Pacific Northwest from southern British Columbia to northern California. Tim Walsh, Washington Department of Natural Resources, Division of Geology and Earth Resources, will speak about such hazards at the April 14 meeting. Photo submitted by Eric Cheney. Caption by Cheney and augmented by the Editor.



Your geology photo submissions (~1MB) with captions are appreciated. Please email to Newsletter Editor [Tom Bush](#).

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 or of fundamental scientific interest. **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 Treasurer [Dan Smith](#), 10203 40th Ave SW, Seattle, WA. 98146. Please include your name, address, home phone, email, and employer/affiliation (if any).

Recommended Readings (kindly submitted by John Whitmer)

- Atwater, T. and Stock, J., 1998, Pacific-North America plate tectonics of the Neogene southwestern United States: an update, *International Geology Review*, Vol. 40, 375-402.
- Hendy, I., 2009, A fresh perspective on the Cordilleran Ice Sheet, *Geology*, Vol. 37, 95-96.
- Lopes, C., and Mix, A. C., 2009, Pleistocene megafloods in the northeast Pacific, *Geology*, Vol. 37, 79-82.

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 Secretary [Dan Smith](#) at 206.937.5313. Questions or comments? Contact President [Donn Charnley](#) at 206.546.3868.

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