



NORTHWEST GEOLOGICAL SOCIETY

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

January, 2009 Newsletter

Volume 23, Number 1

January 13 Program Speaker

Speaker: Tom Bush, Pierce College Puyallup

Title: Breccias, breccias, everywhere, but where's the gold?

Speaker Abstract: Continuing gold exploration at the Goldstrike Mine, located in the Carlin Trend of north-central Nevada, involves extensive core and reverse-circulation drilling from both surface and underground mine sites. Accurate delineation of new reserves is highly dependent on accurate logging of drill core and chips by well-trained geologists. A plethora of geologic data is gathered from each drill hole and compiled into a computer data base, which is then used to model stratigraphy, structure, and ore zones. **Actual drill core samples will be on display before the talk, so attendees are encouraged to bring their hand lenses!**

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 agnewv@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

February Speaker: Josh Banfield, UW, [Geology of Mars](#).

March Speaker: Don Swanson, USGS HVO, [Kilauea, an explosive, not milquetoast, volcano!!](#)

April Speaker: Tim Walsh, Washington DNR Geology, [Tsunami hazards](#).

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

Spring, 2009 Field Trip: TBA

Fall, 2009 Field Trip: TBA

Fall, 2009 Field Trip, Special Edition: The Big Island of Hawaii is being discussed as a possible option. Please send your feedback to Field Trip Coordinator [Greg Ferris](#) regarding this idea.

Other Announcements

2009 ANNUAL DUES ARE DUE! Please send dues (\$30 professional, \$5 student) to [Dan Smith](#), 10203 40th Ave SW, Seattle, WA. 98146. *Thank you if you have already paid.*

Election of President Elect: [John Figge](#) was unanimously elected the next NWGS President Elect, effective in January, at which time [Donn Charnley](#) moves from this position to President, and [Dave McCormack](#) moves from President to Past President. Congratulations John!

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!

Next Board Meeting: January 13, 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

Granitic clast in conglomerate in the lower Miocene Coastal Olympic Structural Complex at Second Beach, south La Push, WA. The total absence of granitic rocks on the Olympic Peninsula and in off-shore oceanic plates means that this clast was derived from the American Cordillera and, therefore, that the Olympic Peninsula was not a topographic high at the time. Photo and caption submitted by Eric Cheney.



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

Kesley, Harvey M., Brian L. Sherod, Alan R. Nelson, and Thomas M. Brocher, 2008, Earthquakes generated from bedding plane-parallel reverse faults above an active wedge thrust, Seattle fault zone, GSA Bull., Vol. 120, No. 11, 1581-1597.

Kruckenber, S.C., Whitney, et al., 2008, Paleocene-Eocene migmatite crystallization, extension, & exhumation in the hinterland of the northern Cordillera: Okanogan Dome, Washington, USA, GSA Bull., Vol. 120, No. 7-8, 912-929.

Mason, B.G., et al., 2004, The size & frequency of the largest explosive eruptions on Earth, Bulletin of Volcanology, No. 66, 735-748.

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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