



NORTHWEST GEOLOGICAL SOCIETY

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

May, 2021 Newsletter

Volume 35, Number 5

May 11 Program Speaker

Zoom meeting link will be in the meeting reminder email to registered members prior to the meeting. If you are not a member, please email nwgs.secretary.com for the link.

Reservations are not needed (we may now host up to 500 participants!)

6:30pm: social hour small group break-out sessions; **7:30pm:** announcements and speaker program

Speaker: Paul Belanger, Sound Water Stewards, *Paleoceanographic history that led to our understanding of Cenozoic climate history and changing impact for the Pacific Northwest*

Abstract: This presentation will review the Paleoceanographic coring and drilling research program from the 1950s:

- a. confirmed continental drift,
- b. led to a snapshot of the world 18,000 years ago (CLIMAP) as well as detailed ice volume history
- c. clarified our ice age history and the relationship of orbital parameters (Milankovitch cycles) leading to high resolution chemo stratigraphy
- d. correlated those records to Ice Core CO₂ levels and greater understanding of the interrelationship of CO₂ and orbital influences.
- e. documented the long draw-down of CO₂ in the Cenozoic from the Eocene thermal optimum to our present Ice-House Earth with its interglacials and glacial-stadials and interstadials.
- f. this has become the physical science basis for the IPCC reports on climate change and our global warming concerns.
- g. and how those concerns will impact us in the PNW as I've learned through SWS.

JOIN THE PROGRAM VIA ZOOM! Join the program by clicking the link above. There is no cost, and a reservation is not needed. You may join for both the social hour and the speaker program, or just the speaker program. During the speaker presentation, your microphone will be muted by the program host, but it is your option as to whether or not to mute your camera. A Q&A session will follow the presentation. During the presentation, click the **Chat** link at the bottom of the screen to type a comment or question to the general audience, or the **Raise my hand** link to directly ask the speaker a question or make a comment and the host will call on you.

Click on the Zoom link above to join the meeting

See www.nwgs.org for the full Zoom information.

Upcoming Speakers and Field Trips

Fall, 2021 Field Trip: Sept. 17-19, Sky Cooley, Calcretes and Implications for Cascade and YFB Tectonism, Othello and Moses Lake, WA. (see Announcements for details)

October 12: TBA.

November 9: TBA.

December 14: TBA.

If you would like to volunteer to give a talk or lead a field trip for NWGS, please contact President [Chris Kimmel](mailto:Chris.Kimmel@nwgs.org)

Please see the [NWGS website](http://www.nwgs.org) for detailed announcements

Contact webmaster [Julie Masura](mailto:Julie.Masura@nwgs.org) if you have any announcements to post on the website.

Announcements

- Please consider volunteering for the upcoming President-Elect vacancy or one of the other **at-Large Board positions**. For more information to volunteer, please Contact President [Chris Kimmel](#).
- The fall field trip will be Sept. 17-19, led by Skye Cooley, *Calcretes and Implications for Cascade and YFB Tectonism*, Othello and Moses Lake, WA. Since this is a littler earlier than usual, registration will start soon. Watch for an announcement in your in-box.
- Tom Williams, Williams GeoAdventures (<https://www.geology-adventures.com/>), is leading his **Scotland and Italy Dolomites trips** again in 2022 (independent of NWGS); Bob Carson, Whitman College, plans to lead a **4-day backpacking geology trip in the Oregon Wallawa Mtns** (<http://people.whitman.edu/~carsonrj/>).
- The Association of Environmental & Engineering Geologists Foundation (AEGF) is seeking student scholarship donations. Donate at <https://www.aegfoundation.org/fund-drive/> and get a “Geologists are Essential Workers” magnetic bumper sticker!
- The [Tobacco Root Geological Society](#) field trip, Pocatello, ID area, is July 29-Aug 1. All are welcome. See <https://www.trgs.org/> for details and registration.
- **Next Board Meeting:** Tues., May 11, 5:30pm via Zoom.
NWGS needs great people like YOU!

Photo Spotlight



Joides Resolution, SEDCO/BP 471 Scientific Drilling ship that Paul served as foram paleontologist/stable isotope geochemist for IODP Leg 161, W. Mediterranean summer 1995 (Naples-Edinburgh). Citation: By IODP, Attribution, <https://commons.wikimedia.org/w/index.php?curid=76114907>

About NWGS

The [Northwest Geological Society](#) is a non-profit educational organization which provides a forum for information and discussion on Northwest geology and related topics. The Society sponsors talks by leading academic and professional geologists at its monthly meetings, conducts field trips to locales of regional geologic interest, and publishes meeting summaries and field guides based on those activities. Membership is open to anyone interested in regional geoscience issues.

Program meetings are the 2nd Tuesdays, October through May. **Until we are able to meet in person again, meetings will be held via Zoom (link sent via email to members; nonmembers contact the NWGS Secretary). Anyone may attend the speaker the speaker program at no cost, and a reservation is not necessary.**

Field trips (members only): The Society sponsors two overnight field trips each year, in the fall and the spring, to locales of regional geologic interest. **(Suspended pending pandemic recovery.)** **Membership** is open to anybody with an interest in geology. **Annual dues:** Professional: \$55; Student: \$10. **To join or pay annual dues:** go to www.nwgs.org, or mail a check or money order to [Northwest Geological Society](#), 4616 25th Ave NE #397, Seattle, WA. 98105. Please include your name, address, home phone, email, and employer/affiliation (if any).

Recommended Readings

Hay, William W., 2013, 2016, *Experimenting on a Small Planet*. ISBN: 978-3-319-27402-7

Ruddiman, William F., 2001, 2008, *Earth's Climate: Past and Future*

Alley, Richard B, *Earth*, 2011, *The Operator's Manual*, ISBN-13: 978-0393081091

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 [Chris Kimmel](#).

NWGS Board

President	Chris Kimmel Landau Associates
President Elect	Open Please Volunteer!
Past President	Katie Brower Nelson Geotechnical
Secretary	Amy Knudson
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At-Large Board Members	Maura O'Brien Retired John LaManna Retired

Other Personnel

Membership Chair	George Bennett Bennett Consulting
Field Trip Coordinator	Kathleen Goodman , Wood PLC
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