

# THE HISTORY OF THE NORTHWEST GEOLOGICAL SOCIETY

*By Donn Charnley, Hal Pelton, John Whitmer, Eric Cheney and Tom Bush*

## INTRODUCTION

The first version of the Society (NWGS-1) began in the 1950s and was less formal and organized than today. No written records have survived; all we have is the recollections of aging participants. This history is an updated version of the one published in the program of the Society's 2007 symposium.

## THE POODLE DOG SOCIETY (NWGS-1)

Geology flourished in the Pacific Northwest in the 1960s. Oil companies had large exploration departments; there was great hope of finding oil and gas in western Washington. The membership was dominated (but not driven by) professional geologists associated with the oil industry. The second largest group was from academia, particularly from the University of Washington (UW), Pacific Lutheran University (PLU) and the College of Puget Sound (CPS, now UPS). Regular attendees included geologists from Salem, Portland, Olympia, Tacoma, Seattle, Bellingham, and Cheney. Meeting places moved from time to time to accommodate members from different areas. Most often the NWGS met at the Poodle Dog Café in Fife, WA; meetings were occasionally held in Seattle, Everett, Edmonds, Bellingham, and Bellevue. Because meetings most commonly were held at the Poodle Dog, the informal name of this informal society was the "Poodle Dog Society."

During NWGS-1 there were no dues, and no arrangement to pay for dinner when making reservations; it was strictly pay-as-you-go. The dinner charge, collected at the door, was slightly greater than the actual cost. The extra money went to pay for mailings, speaker expenses, and student meal subsidies, and so forth. We had a very slim bank account. We got some budget help from the fact that some members also belonged to the American Association of Petroleum Geologists (AAPG), so we qualified to be on its Distinguished Lecturer circuit, which featured eminent geologists from industry, USGS, NASA, and universities, including UW. We had local and visiting speakers who were not all company people; we invited those whom we wanted to hear. If their travel and hotel expenses were borne by the AAPG, our costs were minimal; the speakers were picked up at the Olympic Hotel. If the NWGS paid their travel costs they were picked up at the Motel 6.

A 1965 mailing list has 85 people, one living in Medford, Oregon, another in Los Angeles. That list was very incomplete, because NWGS-1 was such an informal organization. Apparently, much of the distribution of information about forthcoming meetings was through University Departments, institutions, agencies and companies involved in geology. UPS, PLU, UW, Western Washington State College (now WWU), Olympic and other

community colleges, and the Corps of Engineers were consistently represented at meetings by people whose names did not appear on the mailing list. In the days of mailed notices, it helped if the officers could use the services of a secretary to type the notices, mail them, and keep track of reservations. Money was saved by borrowing 35mm projectors, etc.

There was hardly any "organization" to run the Society, mainly a President and a Treasurer. The former would arrange the 'when, where, and who' of each meeting, while the latter would send out postcard announcements. The charge was the cost of the dinner plus a couple of dollars more to defray postage. We paid about \$7.50 to attend each meeting, while students were charged a flat \$5.00. The Society did have permanent name tags, stored in a cumbersome folding wooden rack about 3' by 5' in size.

Donn Charnley first became aware of the NWGS when enrolled in Hoover Mackin's geomorphology classes in 1952. Hoover felt very strongly that all graduate students should (must!) attend the NWGS meetings to both further enhance their geologic knowledge and to meet and get to "know the professionals of the science first hand", (a process now known as net-working). Donn became President in 1965. At that time, as attendance from south of Olympia was nil, he had a few meetings at the Nile Country Club on N 205 St, and a couple in south Everett.

For Dr. John Whitmer, a physician and a Past President of NWGS-2, the

meetings were an immense blessing. "They provided me an opportunity to talk with people who shared my love for the crust of the earth, in addition to speakers who contributed much to my education". People who had done pioneering work on Washington geology, such as Allen Cary, Julian Barksdale, Marshall Huntting and Howard Coombs, were very kind to me. Howard, in particular, gave me hope for the future because in spite of appearing very old, he was alert and bright. Peter Misch, Aaron Waters, and Parke Snavely were among the speakers in those early years. For John, "the Northwest Geological Society is the greatest enhancement to the quality of life in the Seattle region."

By the end of the 1960s getting people to make timely reservations and to attend meetings consistently had become a serious problem. The decline of domestic exploration for oil and minerals significantly reduced the size of the geological community. Engineering and environmental geology had not yet appeared. 1970-71 started auspiciously: successful meetings were held that fall. However, that winter the fatal combination of a minuscule bank account, new officers, and wandering meeting places struck NWGS-1: the February meeting was scheduled in Bellevue. A severe snow storm hit that afternoon and scarcely anyone came. The officers had to pay from their own pockets for the uneaten meals. Their response to this indignity was simply to stop sending meeting notices. Thus, one might say, the original version of the NWGS died from frostbite. John has wondered: "why

the Board did not ask the membership to contribute money to pay the bill”.

## NWGS-2

In 1986 Tom Dunne was Chairman of the Department of Geological Sciences at UW. Encouraged by the UW Alumni Office, he had the Department participate in the annual Fall Alumni event. He was told that as many as 35 to 50 might attend; over 230 showed up! An often repeated question asked of Tom was, "What happened to the Poodle Dog Society??!!" Eric Cheney, hearing Tom's bewilderment, explained what the NWGS was and had been. Later that fall Tom, Eric, Donn and Steve Porter met at the UW Faculty Club to discuss the "Poodle Dog Society". The delightful result was that they agreed to attempt a resurrection of the Society. Eric offered to be President, and Donn offered to be "Lord-High-Everything-Else", i.e.: Secretary, Treasurer, Fieldtrip Organizer, and Notice Maker/Mailer. He and Eric made up a mailing list of over 290 names, and sent out a notice. It was hoped that 35 might respond. NWGS-2 opened February, 1987, at the Univ. Plaza Hotel, with over 75 guests attending to hear Don Swanson present a fine talk on the "Volcanology and Structure of the Columbia River Basalts".

With the resurrection as NWGS-2, Donn, in the hope of having a predictable meeting place, selected the Sheraton Inn (later the University Plaza Hotel) at NE 45th St and 4 Ave NE (adjacent to Interstate 5). His reasons were: its accessibility; consistently good food; their round 8-place tables,

which appealed to him much more congenial than having whatever sized tables and a long, impersonal 'head' table. When the University Plaza closed in 2004, meetings were held in Ballard for a few months. Susan Carol Bradford eventually discovered the Talaris Conference Center (4000 NE 41st St, Seattle) near the University of Washington Campus in Seattle, which welcomed our business. Since May 2005 we have enjoyed the Center's superb ambience and fine service.

Today the Society is blessed with a wonderful group of diligent, dedicated, and competent people who keep the organization alive with their energy. Nevertheless, the memory of how easily and quietly NWGS-1 died reminds us that the organization is fragile, and depends on work and devotion of volunteers to keep it alive. Dave Knoblach was a particularly energetic and devoted President. He single-handedly constructed the Society's first web page and maintained it for several years. Secretary Donn Charnley developed and organized the Society's twice-a year field trip tradition. The effort of the people listed in the Officers of the Northwest Geological Society section served the geological community very well. Over the years, Kurt Schmierer (1993-4), Connie Manson (2001-02), and John Figge (2007-2011) and Tom Bush (2012 - present) served as Publications Director. Thanks to their hard work and expertise, NWGS has a collection of guidebooks of its field trips available to members. John Figge has also produced a CD which contains guidebooks of 20 of these trips in addition to an anthology of meeting programs from late 1993 through 2006.

In 1999, President Steve Grupp established the position of Field Trip Coordinator, first ably served by George Lightner and then by Greg Ferris. Mathew van der Ahe took over in 2011 and former president Kathleen Goodman became the most recent coordinator in 2013. In 1991 John Whitmer inherited writing the monthly Newsletter (which Donn Charnley had handled since 1987). John's accurate and through analysis of every speaker's presentation has been of inestimable value to everyone. Tom Bush assumed this position in October of 2008, developing a fresh and attractive new format. Eric Cheney has always been available as a resource for new ideas and projects, and has consistently been ready to be a speaker or lead a field trip whenever the need arose.

In early 2007, the Society embarked upon its most important undertaking up to then: the October 13, 2007 Symposium to celebrate the 20<sup>th</sup> Anniversary of the rebirth of the Society. Chaired by Eric Cheney, it was a very successful, all-day scientific event held at the UW's Kane Hall.

The Society's field trip program was expanded to beyond the Pacific NW. In September 17-20, 2009 Tom Bush, Lynn Simmons, and Don Swanson co-led a very successful trip to the Island of Hawaii. First proposed by Tom Bush and Eric Cheney, and stimulated by the initial contacts of Dan Smith and Corinne Waters, a second excellent special field trip to Iceland was organized by Mathew van der Ahe and

led by a local Icelandic expert, Kristinn Gudjonsson on August 14-19, 2012.

In 2010 the NWGS Board was formalized, mostly to accommodate the US IRS and to plan future symposia. The Board consists of the NWGS President, President Elect, Past President (one-year term following the conclusion of term as President), Secretary, Treasurer, and three At-Large Board Members. Although all-volunteer, this structure should allow the society to thrive for years and to undertake new initiatives. In this sense, maybe we have embarked in NWGS-2.5.

The efforts of the people listed in *Partial List of Officers of the Northwest Geological Society* on the next page, with the help of many volunteers, have served the geological community of the Pacific Northwest very well. The quality of this contribution is reflected in the NWGS *Speakers, Poster Sessions and Field Trips* section on the pages that follow.

Finally, it appears that geology is the elixir of life: ALL former NWGS-2 Presidents are still living today!

# PARTIAL LIST OFFICERS OF THE NORTHWEST GEOLOGICAL SOCIETY 1965-2013

Year	President	President Elect	Treasurer	Secretary
1965	Donn Charnley			
1966	Allen Cary		Dan Paterson or Steve VanDenburg	
1967	Doug Hastings			
1970	Eric Cheney			
1971	Dan Horn			Hal Pelton
1972	Donn Charnley			
1987	Eric Cheney	Emery Bayley	Donn Charnley	Donn Charnley
1988	Emery Bayley	Derek booth	Lawrence Baum	Donn Charnley
1989	Derek Booth	Brian Lowes	Bill Rodger	Donn Charnley
1990	Brian Lowes	Brian Butler	Kathleen Goodman	Donn Charnley
1991	Brian Butler	Kathleen Goodman	David South	Donn Charnley
1992	Kathleen Goodman	Matt Brunengo	Curtis Koger	Donn Charnley
1993	Matt Brunengo	Bill Rodgers	Curtis Koger	Donn Charnley
1994	Bill Rodgers	Susan Roth	Curtis Koger	Donn Charnley
1995	Susan Roth	Curtis Koger	Linda Schieber	Donn Charnley
1996	Curtis Koger	Tom Bush	Linda Schieber	Donn Charnley
1997	Tom Bush	David Knoblach	Linda Schieber	Donn Charnley
1998	David Knoblach	Steven Grupp	Linda Schieber	Donn Charnley
1999	Steven Grupp	Ralph Haugerud	Art Coulter	Donn Charnley
2000	Ralph Haugerud	Connie Manson	Art Coulter	Donn Charnley
2001	Connie Manson	Jennie Hilden	Art Coulter	Donn Charnley
		Saltenstall		
2002	Jennie Hilden	Bill Laprade	Art Coulter	Donn Charnley
	Saltenstall			
2003	Bill Laprade	Joe Hull	Taryn Sass	Alicia Musselman
2004	Joe Hull	George Bennett	Taryn Sass	Alicia Musselman
2005	George Bennett	Susan Carol	Ginny Agnew	Dan Smith
		Bradford		
2006	Susan Carol	John Whitmer	Ginny Agnew	Dan Smith
	Bradford			
2007	John Whitmer	David McCormack	Ginny Agnew	Dan Smith
2008	David McCormack	Donn Charnley	Ginny Agnew	Dan Smith
2009	Donn Charnley	John Figge	Ginny Agnew	Dan Smith
2010	John Figge	Julie Masura	Ginny Agnew	Dan Smith
2011	Julie Masura	John Balla	Carla Whittington	Dan Smith
2012	John Balla	Kathy Troost	Carla Whittington	Dan Smith
2013	Kathy Troost	Dan Smith	Carla Whittington	Dan Smith
2014	Dan Smith	Grace Winer	Carla Whittington	Beth Tanner
2015	Grace Winer	(Open)	Carla Whittington	Beth Tanner

## NWGS SPEAKERS, POSTER SESSIONS AND FIELD TRIPS 1965-PRESENT

Dates	Speakers and Leaders	Title
8/11/65	Gordon Macdonald, <i>USGS Hawai'i</i>	Kilauea-or Hawaiian Volcanism in General
9/9/65	Charles Fulmer, <i>Boeing</i>	Stratigraphy and Paleontology of the Blakely Formation
11/16/65	Gordon Atwater, <i>AAPG Lecturer</i>	Effect of Porosity Decrease with Depth In Sandstones
1/12/66	Walter Sands, <i>UW Oceanography</i>	Photographic Exploration of Cobb Seamount
2/28/66	Aaron Waters, <i>U of California Berk.</i>	Columbia River Basalts
3/29/66	Ewart Baldwin, <i>University of Oregon</i>	A Geologist in Europe
4/26/66	Parke Snavely, <i>USGS Menlo Park</i>	Tertiary Tectonics and Volcanism of W. Washington and Oregon
5/24/66	Don Easterbrook, <i>WWU Geology</i>	Pleistocene Glaciation and Deformation in NW Washington
(1966-67)	(Records absent)	
11/6/68	Hunter Yarborough, <i>Humble Oil Co.</i>	Origin of Continents/Oceans: Geol. of the Gulf of Mexico Basin
3/18/69	Robert Dill, <i>USN Lab San Diego</i>	Pleistocene Sea Levels and Continental Margin Sedimentation
12/9/69	Mark Meier, <i>US Geological Survey</i>	Geologic and Geomorphic Sensing
(1970)	(Records absent)	
10/21/71	Robert Curry, <i>University of Montana</i>	The National Energy Crisis and the Geologist
11/14/71	Richard Bowen, <i>State of Oregon</i>	Geothermal Power
2/17/87	Don Swanson, <i>USGS CVO</i>	Volcanology and Structure of the Columbia River Basalts
3/10/87	Thor Hansen, <i>WWU Geology</i>	Extinctions and Multiple Impacts at the K-T Boundary
4/21/87	Ray Lasmanis, <i>WADNR</i>	Hanford Geological Repository: Unresolved Problems & Politics
5/14/87	Steve McCourt/Jackie Van, <i>Pretoria U</i>	Geology of the Archean Limpopo Mobile Belt, South Africa
6/4/87	Brian Atwater, <i>USGS at UW</i>	Magnitude 9 Earthquakes in Western Washington
9/27/87	Derek Booth, <i>King County</i>	<b>Field Trip:</b> Pleistocene Stratigraphy of Western King County
10/20/87	Joe Keely, <i>Oregon St. U. Portland</i>	Cleaning Contaminated Soils by Pulse-pumping Groundwater
11/17/87	John Balla, <i>ARASCO Spokane</i>	Geology of the Troy Ag/Cu Mine, Montana
12/15/87	Joe Vance, <i>UW Geology</i>	Cenozoic Geology of the North Cascades
1/19/88	Dan Dzurisin, <i>USGS CVO</i>	Patterns of Dome Development at Mt. St. Helens
2/16/88	John Delaney, <i>UW Oceanography</i>	Submarines, Volcanoes & Sulfide Deposits off the WA-OR Coast
3/15/88	Bill Lingley, <i>WADNR</i>	Petroleum Potential of Washington
4/19/88	Richard B Waitt, <i>USGS CVO</i>	Catastrophic Floods in the Pacific Northwest and in Iceland
5/17/88	Pam Pincha-Wagener, <i>Boeing</i>	Intelligent Computer Tools for the Geologist
6/14/88	Tim Walsh, <i>WADNR</i>	Coal Mine Subsidence in Western Washington
9/24/88	Don Easterbrook, <i>WWU Geology.</i>	<b>Field Trip:</b> Pleistocene History and Deposits of Whidbey Island
10/18/88	Dave Engebretson, <i>WWU Geology</i>	Accretion and Rotation of Microplates in the Pacific Northwest
11/15/88	Darrel Cowan, <i>UW Geology</i>	Late Cretaceous Thrusting in Washington's San Juan Islands
12/13/88	Roy Elliott, <i>Dames and Moore</i>	Artificial Recharge of Groundwater: Mid-West Experiences
1/15/89	Steve Porter, <i>UW Quaternary R.C.</i>	Calving Glaciers in Alaska, Scandinavia and Tierra Del Fuego
2/21/89	Bill Phillips, <i>WADNR</i>	The New State Geologic Map Project: Progress and Problems

Dates	Speakers and Leaders	Title
3/14/89	John Rensberger, <i>UW Geology</i>	Great Dinosaur Enigma: What, Where, and When Did They Go?
4/18/89	John Noble	Southern Puget Pleistocene Stratigraphy
5/16/89	Mark Schaffer	Quat. Faulting in the Frenchman Hills of the S. Columbia Basin
6/14/89	Brian Atwater, et al., <i>USGS at UW</i>	8+ Earthquakes on Washington's Coastline (Grays Harbor)
6/24/89	Brian Atwater/Wendy Grant, <i>USGS UW</i>	<b>Field Trip:</b> Grays Harbor Evidence of 8+ Earthquakes
10/7-8/89	Ned Brown, <i>WWU Geology</i>	<b>Field Trip;</b> An Update of North Cascades Geology
10/10/89	Ned Brown, <i>WWU Geology</i>	A New Look at the North Cascades
11/14/89	Rex Humphre, <i>Am. Inst. Prof. Geol.</i>	Accreditation of Professional Geologists for Washington State
12/12/89	Jim Monger, <i>Geol. Surv of Canada</i>	Connections: Coast Ranges - Wrangallia - Cascades
1/9/90	Eric Cheney, <i>UW Geology</i>	Superlatives of S. Africa: Things You Don't See in N. America
2/13/90	Mike McCulla, <i>Consultant</i>	Mineral Deposits of Papua New Guinea
3/14/90	Peter Ward, <i>UW Geology</i>	The K-T Boundary: Evidence From the Deep
4/10/90	Bob Bostrom, <i>UW Geology</i>	Gravity and Seismicity of the Puget Sound Region
5/8/90	Jacob Margolis, <i>Corona Group</i>	Sedimentation & Mineralization in the Chiwaukum & Swauk Fms
6/2-3/90	Dick Stewart, <i>UW Geology</i>	<b>Field Trip:</b> Geology of Chiwaukum, Leavenworth, & Wenatchee
7/ /90	Art Coulter, <i>NWGS Member</i>	<b>Questionnaire:</b> Regulation of Professional Geologists
10/7-8/90	Jacob Margolis, <i>Corona Group</i>	<b>Field Trip:</b> Tour of the Cannon Mine, Wenatchee
10/9/90	Steve Boyer, <i>NWGS Member</i>	New Interpretations of Rocky Mountain Thrust Sequences
11/13/90	Bill Deutsch, <i>NWGS Member</i>	Groundwater Geochemistry, Aquifer Restoration: Tailings, W. US
12/11/90	Chuck Kirschner, <i>NWGS Member</i>	Alaska North Slope Geology & the National Petroleum Reserve
1/8/91	Eric Schuster, <i>WADNR</i>	Geothermal Prospects in Washington State
2/13/91	Steve Papajohn, <i>Consultant</i>	Methane Potential of Coal Beds in Washington
3/12/91	Don Swanson, <i>USGS CVO</i>	Speculations on the Volcanic & Tectonic History, SW Cascades
4/9/91	Derek Booth, <i>King County</i>	Puget Ice Sheet: Deposition, Processes & Post-Glacial Litigation
5/14/91	Dennis Erickson, <i>UW Geology</i>	Groundwater & Hydrology in Whatcom, Yakima & Franklin Co's
6/22-23/91	Dick Stewart, <i>UW Geology</i>	<b>Field trip:</b> North Side of the Olympic Mountains
9/21-22/91	Brian Lowes, <i>PLU Geology</i>	<b>Field Trip:</b> Basement & Volcanics of Rimrock Lk & White Pass
10/8/91	Brian Kanehiro, <i>Berkley Hyrdo.</i>	Groundwater Remediation: Tide Water Wood-treating Facility
11/12/91	Brian White	Chromatographic Model of pC Belt, Coeur D'Alene Min. Dist.
12/10/91	Eric Cheney, <i>UW Geology</i>	The South Africa-Australia Connection: Vaalbara
1/14/92	Dale Kramer, <i>Assoc. Earth Sciences</i>	The Geology of Fiji
2/11/92	Brian Atwater, <i>USGS at UW</i>	WA Earthquakes: Dead Trees, Vented Sands, a Seattle Tsunami
3/10/92	Richard W Galster, <i>Consultant</i>	Radar Analysis of Structure & Stratigraphy of Puget Sound Area
4/14/92	Art Coulter, <i>NWGS Member</i>	The Geology of the Middle East
4/25/92	Don Easterbrook, <i>WWU Geology</i>	<b>Field Trip:</b> Pleistocene Geology at Double Bluff, Whidbey Island
5/19/92	Brian Globerman	Early Tertiary Tectonics in W. Alaska - a Paleomagnetic View
6/13/92	Jim Menard, <i>USGS (retired)</i>	<b>Field Trip:</b> Quaternary Deposits in Western Snohomish County
9/25-26/92	Pat Pringle, <i>WADNR</i>	<b>Field Trip:</b> An Overview of Mt St Helens - 12 years later.
10/13/92	Matt Brunengo, <i>WADNR</i>	Role of Geology in Watershed Analysis of Forest Lands
11/10/92	Duncan Foley, <i>PLU Geology</i>	Guatemala: Satellite Images, and Lurking Volcanos
12/8/92	David Dethier, <i>Williams Geology</i>	An Aminostratigraphic Approach to Quaternary Stream Incision
1/12/93	Richard Allen, <i>Precious Colors</i>	Sapphire Mining in Montana - Strange Geology and Marketing
2/9/93	Bob Miller, <i>San Jose St. U. Geology</i>	Tectonic Evolution of N. Cascades: Plutonism & Metamorphism
3/9/93	Carolyn Driedger, <i>USGS Vancouver</i>	New Debris Flows (Jokulhlaups) of the S. Tahoma Glacier, Mt R.
4/13/93	Paul Komar, <i>Oregon St. U. Geology</i>	Ocean Processes & Hazards, NW Coast: Living On The Edge!
5/11/93	Bob Bucknam, <i>USGS Denver</i>	Evidence for a Major (E-W) Fault in the Seattle Area
6/12/93	Ned Brown, <i>WWU Geology</i>	<b>Field Trip:</b> Fidalgo Island Ophiolites

<b>Dates</b>	<b>Speakers and Leaders</b>	<b>Title</b>
9/18/93	Eric Cheney, <i>UW Geology</i>	<b>Field Trip:</b> Major Tectono-Stratigraphic Terranes: of N.W. WA.
10/12/93	Robin Holcomb, <i>UW Oceanography</i>	Gloria Side Scan Sonar Surveys, US Exclusive Economic Zone
11/9/93	Steve Reidel, <i>Hanford Project</i>	Geology of the Hanford Reservation, Washington
12/14/93	John Whitmer, <i>NWGS Member</i>	A Geologic Tour of Iceland
1/11/94	Eric Cheney, <i>UW Geology</i>	Geology of the Mt Everest Region - (Yaks and Yetis)
2/8/94	Barry Goldstein, <i>UPS Geology</i>	Triassic & Jurassic Geology of Northern New Mexico
3/8/94	Ralph Haugerud, <i>USGS at UW</i>	Stratigraphy & Structure of the Methow Domain, N Central WA
4/12/94	Steve Hodge, <i>USGS Tacoma</i>	Aspects of Glaciological Research at the US Geological Survey
5/10/94	Joe Hull, - Seattle Central C.C.	The Caledonian Orogeny of Northeast Greenland
6/18/94	Eric Cheney, <i>UW Geology</i>	<b>Field Trip:</b> The Quartz Creek Mineral Zone, Snoqualmie Pass
9/17-18/94	Steve Reidel, <i>Hanford Project</i>	<b>Field Trip:</b> Geol., Structure, Hydrology, Hanford Reservation
10/11/94	Jim Bet, <i>Landau Associates</i>	New Stratigraphic & Hydrologic Interpretations, Portland Basin
11/8/94	Will Greenough, <i>Centralia Mining Co.</i>	Geology, Mining, Reclamation at Centralia's Open-Pit Coal Mine
12/13/94	Anne MacDonald, <i>PTI Environmental</i>	Reforestation - A View from the Ground Up.
1/10/95	Kevin Lindsey, <i>CH2Mhill</i>	Late Neogene Backarc Basin Sedimentation.
2/14/95	Brian Globerman	Paleomag Evidence: Lrg Dextral Motion: Tinina Fault, BC/Yukon
3/14/95	Jon Riedel, <i>NPS, N Cascades NP</i>	Glacial Rearrangement of N. North Cascade Range Drainage
4/11/95	Bob Bentley, <i>CWU Geology</i>	The Olympic-Wallowa Lineament is NOT a Strike-Slip Fault!
5/9/95	Ned Brown, <i>WWU Geology</i>	Plutonism/Metamorphism/Terrane Accretion: BC's S. Coast Mtns
6/10-11/95	Steve Reidel, <i>Hanford Project</i>	<b>Field Trip:</b> Geology in the Hanford Reservation
9/16-17/95	Ralph Haugerud, <i>USGS at UW</i>	<b>Field Trip:</b> NW Cascades: Baker & Nooksack Rivers Drainages
10/10/95	Tom Pratt, <i>USGS</i>	The Puget Lowland Thrust Sheet
11/14/95	Richard Waitt, <i>USGS Vancouver</i>	The Lake Missoula Floods
12/12/95	Grant Newport	Geology Of the N. Fork Snoqualmie Copper and Gold Deposit
1/9/96	Linda Schieber, <i>BCC, SCCC</i>	Celestial Relationships: Earth in Space
2/13/96	Alan Neim, <i>OSU Geology</i>	Geologic Evolution of Western WA & OR During the Tertiary
3/12/96	Peter Ward, <i>UW Geology</i>	Geology of the Nanaimo Group
4/9/96	Walter Youngquist, <i>U of Oregon</i>	Energy Sources - Myths and Realities
5/14/96	Joe Hull, <i>Seattle Central C.C.</i>	Scandin. Caledonides & the Cascades: A Tale of Two Orogens
6/8/96	Eric Cheney, <i>UW Geology</i> Tom Bush, <i>Pierce College</i>	<b>Field Trip:</b> Sed Rx, Faults & Unconformities: Swauk/Snoq. Pass
9/5/96	Ralph Haugerud, <i>USGS at UW</i>	<b>Field Trip:</b> The Geology of the Methow Region
10/8/96	Charles Russell, <i>Pegasus Gold Inc.</i>	Political Correctness in Geochemistry: Re Acid Rock Drainage
11/12/96	Eric Cheney, <i>UW Geology</i>	Tennis with the Tertiary of Washington: Tales, Tenets & Telesis
12/10/96	David Knoblach, <i>GeoEngineers</i>	Development of Washington's Stone Industry
1/14/97	Linda Schieber, <i>BCC, SCCC</i>	Elegant Geometries: Earth and Our Place in the Solar System
2/11/97	Samuel Johnson, <i>USGS Denver</i>	New Investigations of the Seattle Fault
3/11/97	Joanne Bourgeois, <i>UW Geology</i>	Tsunami Deposits and Paleoseismology in the Pacific Northwest
4/8/97	Veronique Robiqueuz, <i>UW Ocean</i>	The Juan de Fuca Ridge
5/13/97	Darrel Cowan, <i>UW Geology</i>	The Geology of the San Juan Islands, Washington
6/6-8/97	Darrel Cowan, <i>UW Geology</i> Donn Charnley, <i>Shoreline CC</i>	<b>Field Trip:</b> Geology of San Juan and Lopez Islands, WA
9/20-21/97	George Bennett, <i>Sub Terra Inc.</i> Ralph Clark Dave Knoblach, <i>Marenakos Rock Ctr.</i>	<b>Field Trip:</b> Mines and Geology of the East Puget Sound Area
10/14/97	Don Easterbrook, <i>WWU Geology</i>	New Evidence for Abrupt Late-Pleistocene Sea Level Changes
11/11/97	Don Tubbs, <i>Tubbs Geosciences</i>	Landslides in Seattle - 25 Years Later
12/9/97	Peter Ward, <i>UW Geology</i>	The Permo-Triassic Event: A New Class of Mass Extinction
1/13/98	Lynn Oliver, <i>Consultant</i>	Environmental Management of a Metals Mine in the Philippines
2/10/98	Larry Mastin, <i>USGS Vancouver</i>	What Occurs when Erupting Magma Mixes with H <sub>2</sub> O? Kilauea



<b>Dates</b>	<b>Speakers and Leaders</b>	<b>Title</b>
3/10/98	Dee Molenaar & Larry Mastin	<b>Poster Session</b>
3/10/98	Elizabeth Nesbit, <i>UW Burke Museum</i>	About the Burke, Its Theme: Geol History of Washington, (tours)
4/14/98	Bill Laprade, <i>Shannon &amp; Wilson</i>	Geology of Downtown Seattle
5/12/98	Kathy Troost, <i>Shannon &amp; Wilson</i>	Quaternary Geology of Tacoma
6/26-28/98	Dick Stewart, <i>UW Geology</i>	<b>Field Trip:</b> Geology of the Western Olympic Mountains, WA.
10/13/98	Ian Bishop	Applications of Near Surface Geophysics
10/29-31/98	Eric Cheney, <i>UW Geology</i>	<b>Field Trip:</b> Geology of Northeastern Washington
11/10/98	Mark Ghiorso, et al., <i>UW Geology</i>	What's New At the U? (Department of Geology)
12/8/98	WADNR Geologists	Current Developments at WA Div. of Geology & Earth Resources
1/12/99	Mark Koehn, <i>NOAA</i>	Understanding El Nino
2/9/99	Cynthia Barton & Jim Ebbert, <i>USGS</i>	Water Resources Activities of Tacoma's USGS Office
3/9/99	Thomas Brocher, <i>USGS Menlo Park</i>	Seismic Investigations: Puget Sound Experiments (SHIPS)
4/13/99	Kate Schmitt & Alex Johnson, <i>PLU</i>	Mag Studies: Age & Petrol of Tum Tum Mtns "Boring" Lavas
5/11/99	Anthony Harding	<b>Corporate Poster Session</b>
5/11/99	Debbie Kelley, <i>Marine Geologist</i>	Current Research on Black Smokers of JDF Fracture Zone
5/11/99	Kathy Troost, <i>Shannon &amp; Wilson</i>	<b>Student Poster Session</b>
6/26-27/99	Kathy Troost, <i>USGS at UW</i> Derek Booth, <i>King County</i> Pat Pringle, <i>WADNR</i>	<b>Field Trip:</b> Geology of the Tacoma Area
9/6/99	Eric Cheney, <i>UW Geology</i>	<b>Field Trip:</b> Qtz Creek Cu/Mo deposit in the Snoqualmie Batholith
10/12/99	Alan Nelson, <i>USGS Golden, CO</i>	Holocene Faulting on the Seattle Fault
11/9/99	Bernie Housen, <i>WWU Geology</i>	Detrital Zircons Suggest That SW BC is Far-Translated!
12/14/99	Bill Nashem, <i>Shannon &amp; Wilson</i>	Update on the Seattle Landslide Inventory
1/11/00	Stephen Evans	Impervious Borrow at San Roque Dam, Philippines
2/8/00	Tom Badger, <i>IUSGS</i> Ken Neal, <i>Consulting Eng. Geol.</i>	A Discussion of Licensure of Geologists by Washington State
3/14/00	Meghan Miller, <i>CWU</i>	Pacific NW Geodetic Array
3/14/00	Kathy Troost, <i>Shannon &amp; Wilson</i>	<b>Student Poster Session</b>
4/11/00	Courtney Young, <i>Montana Tech</i>	Cyanide, Just the Facts
5/9/00	John Silko, <i>U.S. Dept. of Energy</i>	Hydrology Conditions and Problems at Hanford
5/20-21/00	Ralph Haugerud, <i>USGS at UW</i> Peter Haeussler, <i>USGS Alaska</i>	<b>Field Trip:</b> Bedrock Geology of the Sequim to Snoqualmie Area
10/7-8/00	Pat Pringle, <i>WADNR</i>	<b>Field Trip:</b> New Findings About Mt Rainier
10/10/00	Tom Brocher, <i>USGS Menlo Park</i>	Tacoma Fault: Results from SHIPS (Kingdome Implosion)
11/14/00	Richard Waitt, <i>USGS CVO</i>	The Missoula Floods and the Channeled Scablands of E. WA
12/13/00	Orrin Pilkey, <i>Duke University</i>	The Shorelines of SW Washington
1/9/01	Ralph Haugerud, <i>USGS at UW</i>	The Shape and Form of Puget Sound - As Revealed by LIDAR
2/13/01	Bill Lingley, <i>WADNR</i>	The Structural Geology of the Olympic Peninsula
3/13/01	Tim Walsh, <i>WADNR</i>	The National Tsunami Mitigation Program
3/13/01	Ralph Haugerud, Ray Wells, et al.	Report on the 3/28/01 Nisqually Earthquake
4/10/01	Kathy Troost & Derek Booth	<b>Student Poster Session</b>
5/8/01	Carolyn Driedger, <i>USGS CVO</i>	Mitigation of Mt. Rainier Lahar Hazards
6/2-3/01	Jerry Thorsen, <i>WADNR</i> Matt Brunengo, <i>WADNR</i>	<b>Field Trip:</b> Stratig/Slope Stability: Glacial Deposits, Whidbey I.
9/28-30/01	Murray Journeay, <i>Geol. Soc. Canada</i>	<b>Field Trip:</b> Plutons, Structures & Stratigraphy, BC Cascades
10/9/01	Ron Teissere, <i>State Geol., WADNR</i>	An Update on Washington's New Geologists Licensing Program
11/13/01	Moin Kadri, <i>Consultant</i>	Observations on the Jan. 26 <sup>th</sup> 7.7 Earthquake in Western India
12/10/01	Bob Derkey, <i>WADNR, Spokane</i>	Gneiss Domes, Flood Basalts, Glacial Floods, & Earthquakes
1/8/02	Eric Cheney, <i>UW ESS</i>	The 'Egg-Crate' Structure of the Pacific Northwest
2/12/02	UW Faculty Night, led by E. Cheney	Various Topics by Earth and Space Sciences Faculty

<b>Dates</b>	<b>Speakers and Leaders</b>	<b>Title</b>
3/12/02	George Bennett, <i>Sub Terra Inc.</i>	Silica Mining in Washington
4/9/02	Kathy Troost, Coordinator	<b>Student Poster Session</b>
5/14/02	Doug Clark, <i>WWU Geology</i>	Recent Glaciation, N Cascades, Geomorphic/Climate Change
6/6/02	Bill Laprade, <i>Shannon &amp; Wilson</i> Derek Booth, <i>King County</i> Brian Sherrod, <i>USGS at UW</i>	<b>Field Trip: Seattle Geology: Quaternary &amp; Fault-Research</b>
9/28-29/02	Terry Tolan, <i>USGS</i> Mary Beeson, <i>Portland State Univ.</i> Kevin Lindsey, <i>WADNR</i>	<b>Field Trip: Basalts and Structures: Tri-cities to Portland</b>
10/8/02	Rex Baum, <i>USGS Golden, CO</i>	USGS Landslide Research in the Puget Sound area
11/12/02	Jim Monger, <i>Geol. Soc. Canada</i>	Cordilleran Tectonic Evolution, A Global Framework
12/10/02	Dick Galster, <i>US Army Corps Eng.</i>	Musings of Half a Century of Engineering Geology
1/14/03	Elizabeth Nesbitt, <i>UW Burke Museum</i>	Eocene-Oligocene Boundary on the Pacific Northwest
2/11/03	Art Kruckerberg, <i>UW Botany, Ret</i>	Geology and Plant Life
3/11/03	Bruce Cox, <i>Stillwater Mining Co.</i>	Palladium-Platinum Mines of Southern Montana
4/8/03	Lynn Hultgrien, <i>USGS at UW</i>	<b>Student Poster Session</b>
5/13/03	Leslie Sager & Rees Hastings	An Update of Washington State's Geologist Licensing Program
5/30-6/1/01	Joe Hull, <i>SSSC</i>	<b>Field Trip: Evidence of Quakes &amp; Tsunamis on SW WA Coast</b>
9/14/03	Ruth Ludwin, <i>UW ESS</i>	Native Stories About Cascadia Subduction Zone Earthquakes
10/19/03	Eric Cheney, <i>UW ESS</i>	Cenozoic Geology of the Eastern Flank of the Cascade Mtns.
11/18/03	Dave Montgomery, <i>UW ESS</i>	Of Geology, Rivers and Salmon
12/9/03	Joseph Jones, <i>USGS Tacoma</i>	Near-Real Time Flood Forecast Modeling, Mapping, Internet Del.
1/13/04	Juliet Crider, <i>WWU Geology</i>	Causes of the "Grabens" of Canyonlands National Park
2/10/04	Kari Cooper, <i>UW ESS</i>	What Do Crystal Ages Tell About Volcanoes' Hidden Lives?
3/10/04	Bob Burk, Norm Norish	2003-2004 Rock Avalanches on North Cascades Highway
4/13/04	Tim Melbourne, <i>CWU</i>	<b>Student Poster Night: "Slow" Earthquakes</b>
5/11/04	Dave McCormack, <i>Aspect Environ.</i>	Quaternary Geology of the Brightwater Tunnel Project; Art Night
6/12&13/04	George Bennett, <i>Sub Terra Inc.</i>	<b>Field Trip: Mines of Western Washington</b>
10/12/04	Curtis Koger, <i>Assoc. Earth Sciences</i>	Glacial Stratigraphy & Hydrogeology of the Bear Creek Plateau
10/16-17/04	Steve Reidel, <i>Pac. Natl. Labs</i>	<b>Field Trip: Geologic Development of the Pasco Basin</b>
11/9/04	Michael Brown, <i>UW ESS</i>	Iron Men and Women and the Earth's Deepest Interior
12/14/04	Eric Cheney, <i>UW ESS</i>	'Egg-Crate' Structure of the Pacific Northwest - Revisited
1/11/05	Deborah Kelly, <i>UW Oceanography</i>	New Peridotite-Hosted Ecosystem: Submarine Hydrothermal Field
2/8/05	John Balla, <i>Consultant</i>	Gold Deposits of the Russian Far East
3/8/05	Tom Pratt, <i>USGS at UW</i>	Earthquake-Caused Ground shaking in the Puget Sound Basin
4/19/05	Dave Yamaguchi, <i>North Seattle CC</i>	Tree Ring Evidence of Catastrophic Events in the PNW
5/10/05	Tom Bush, <i>Pierce College</i>	Basalts, Beaches and Boobies of the Galapagos Islands
6/4-5/05	Ted Doughty, <i>EWU.</i> Andy Buddington, <i>Spokane CC</i> Bob Derkey, <i>WADNR Spokane</i>	<b>Field Trip: Washington's Pre-Jurassic North American Margin</b>
10/9/05	Cynthia Gardner, <i>USGS Vancouver</i>	<b>Field Trip: Mt. St Helens</b>
10/11/05	Jim Vallance, <i>USGS Vancouver</i>	Something Hot is happening in the Carter of Mt St Helens
11/8/05	John Whitmer, <i>NWGS member</i>	A Potpourri of Outstanding Landforms and Outcrops
12/13/05	Kathryn Hoppe, <i>UW ESS</i>	Tracking Mammoths & Mastodons; Lifestyles of Extinct Animals
1/10/06	Jeffery Tepper, <i>U of Puget Sound</i>	Birth of the Cascades ca 39mya: Evidence From Volcanic Rocks
2/14/06	Paul Zehfuss, <i>Shannon &amp; Wilson</i>	Mt. Rainier Lahars' Influence on the Geology of Seattle
3/14/06	Bill Normark, <i>USGS Menlo Park</i>	Lake Missoula Turbidite Flows into the Northeast Pacific
4/11/06	Peter Clark, <i>Oregon State Univ.</i>	Climate Change: Present/Past/Future: What Can We Expect?
5/16/06	Pat Pringle, <i>Centralia CC</i>	Buried and Submerged Forests

<b>Dates</b>	<b>Speakers and Leaders</b>	<b>Title</b>
6/2-4/06	Ted Doughty, <i>EWU</i> Andy Buddington, <i>Spokane CC.</i>	<i>Field Trip: Priest River Metamorphic Core Complex, N ID/NE WA</i>
9/30-10/2/06	Alan Neim, <i>Oregon State Univ.</i>	<i>Field Trip: Invasive Columbia R Basalts in SW WA &amp; NW OR</i>
10/10/06	Reed Lewis, <i>Idaho Geologic Survey</i>	Geologic History of Northern Idaho and Surrounding areas
11/14/06	Amelia Shevenell, <i>UW ESS</i>	Relationship of Mid-Miocene Antarctic Ice & Columbia R Basalts
12/12/06	Vicki McConnell, <i>Oregon Dept. Geol.</i>	Research by Dept, incl. Faults & Structures, Willamette V. & CRB
1/9/07	Robert Winglee, <i>Chair, UW ESS</i>	Space Travel and the Universe: Research in the UW EES
2/13/07	Kathy Troost, <i>UW ESS</i>	Seattle Geology - Then and Now
3/13/07	Al Eggers, <i>Univ. Puget Sound</i>	Microgravity Changes, Kilauea: An Answer to Missing Olivine
4/10/07	Mitchell Reynolds, <i>USGS Denver</i>	Montana Thrust Belt Thru Time: New Findings, Myths Countered
5/8/07	Rowland Tabor, <i>USGS Menlo Park</i>	An Overview of the Geology of the North Cascades
6/2-3/07	Bernie Dougan, <i>Whatcom CC</i>	<i>Field Trip: Chuckanut Formation, Mt. Baker and Sucia Island</i>
9/22/07	Eric Cheney, <i>UW ESS</i>	<i>Field Trip: The Chiwaukum Structural Low of the E. Cascades</i>
10/13/07	Eric Cheney, <i>Sym. Chair, UW ESS</i>	<i>20<sup>th</sup> Anniversary Symposium and Reception</i>
11/13/07	Tom Pratt, <i>USGS at UW</i>	Update and Findings on the East End of the Seattle Fault
12/11/07	Tom Bush, <i>Pierce College</i>	Step Aside Darwin, Geology Rules in the Galapagos Islands!
1/8/08	Scott Burns, <i>Portland State Univ.</i>	Terror - Geology of Oregon and Washington Wines
2/11/08	Dave Montgomery, <i>UW ESS</i>	Dirt: The Erosion of Civilizations
3/13/08	Steve Porter, <i>UW ESS (Ret)</i>	Late Plies. Glaciation of the Pacific NW - a 40-yr Retrospective
4/8/08	John Whitmer, <i>NWGS Past President</i>	Rocky Mtn Quakes: Madison Canyon (1959) & Challis (1983)
5/13/08	Anne Trehu, <i>Oregon State University</i>	Gas Hydrates in the Cascadia Margin
6/21-22/08	Bruce Bjornstad, <i>Pac NW Natl Lab</i>	<i>Field Trip: Bretz' Floods of the Western Scablands &amp; Coulees</i>
9/28-29/08	Bernie Dougan, <i>Whatcom CC</i>	<i>Field Trip: Geology of Cypress Island</i>
10/14/08	Jon Riedel, <i>NPS, N. Cascades NP</i>	Shrinking Glaciers in the North Cascades
11/11/08	Peter Ward, <i>UW ESS</i>	Extinctions Astrobiology
12/9/08	Don Brownlee, <i>UW Astronomy</i>	Minerals From the Edge of Space
1/13/09	Tom Bush, <i>Pierce College</i>	Breccias, Breccias, Everywhere, But Where's the Gold?
2/10/09	Joshua Banfield, <i>UW ESS</i>	Geology of Mars
3/17/09	Don Swanson, <i>USGS at HVO</i>	Kilauea, an Explosive, Not Milquetoast Volcano!
4/14/09	Tim Walsh, <i>WDGER</i>	Tsunami Hazards
5/1/-09	Jody Bourgeois, <i>UW Burke Museum</i>	Does Kamchatka Belong to North America?
6/13-14	Eric Cheney, <i>UW ESS</i>	<i>Field Trip: Floods, Folds, Faults, Gneiss: Chelan to Wenatchee</i>
9/16-21	Tom Bush, <i>Pierce College</i> Lynn Simmons, <i>USGS at UW</i> Don Swanson, <i>USGS at HVO</i>	<i>Field Trip: Geol. Of Kilauea, Mauna Loa, &amp; Mauna Kea, Hawaii</i>
10/13/09	David Williams, <i>Author</i>	Stories in Stone: Travels Through Urban Geology
11/10/09	Charlotte Sullivan, <i>Pacific NW Lab</i>	CO <sub>2</sub> Sequestration in Continental Flood Basalts of Eastern WA.
12/8/09	Brittany Brand, <i>UW ESS</i>	Mafic Hydrovolcanism in the Northwest
1/12/10	Richard Fiske, <i>Smithsonian Institute</i>	Submarine Pyroclastic Volcanism of the Izu-Bonin Arc (Japan)
2/10/10	Eric Cheney, <i>UW ESS</i>	Future of Hydrocarbons: Hubbert's Peak or Plateau?
3/10/10	John Figge, <i>North Seattle CC</i>	The Challis Enigma
4/13/10	Paul Hammond, <i>Portland State Univ.</i>	Structure of the CRB Group South of Snoqualmie Pass
5/18/10	Dave Montgomery, <i>UW ESS</i>	Evidence for Mega-Landslides on Mars
6/12-13/10	Paul Hammond, <i>Portland State Univ.</i>	<i>Field Trip: Structure &amp; Stratigraphy of the Grande Ronde Basalt</i>
8/ /10	Dave Tucker, <i>WWU Geology</i>	<i>Field Trip: Holocene Deposits of Mt. Baker</i>
10/2/10	Tom Pratt, <i>USGS UW</i>	Seattle Fault: A New Look at the Cracks in Our Basement.
11/9/10	Liz Shermer, <i>WWU Geology</i>	Mesozoic Deformation & Metamorphism in the North Cascades
12/14/10	Al Eggers, <i>Univ. Puget Sound</i>	Shallow Magma Accumulation at Kilauea Volcano, Hawaii
1/11/11	Darrel Cowan, <i>UW ESS</i>	Active Low-Angle Tension Faults Beneath Death Valley, CA.

Dates	Speakers and Leaders	Title
2/8/11	Pat Pringle, <i>Centralia CC</i>	Buried Forests-New Evidence of Volcanism, Mt. Hood & Rainier
3/8/11	Sian Davies-Vollum, <i>UW Tacoma</i>	Making a Mudrock Sandwich - Modern & Ancient Floodplains
4/12/11	Trenton Cladouhos, <i>AltaRock Energy</i>	Future of Geothermal Energy at Newbery Volcano
5/17/11	John Dilles, <i>Oregon State University</i>	Mineral Resources in Academia: An Impending Crisis?
6/11/11	Brian Sherrod, <i>USGS at UW</i>	<b>Field Trip: Active Tectonics of Western and Central WA.</b>
10/15/11	Kathy Troost, <i>Troost Geosciences</i> Darrell Sofield, <i>aMap PLLC</i>	<b>Field Trip: Jökulhlaups From Glacial Lake Puyallup</b>
10/11/11	Deborah Kelley, <i>UW Oceanography</i>	Volcanic Eruptions & Life at 5000 Feet Off the Oregon Coast
11/8/11	Sandy Williamson, <i>USGS, Retired</i>	Hydrology, Water Infrastructure in Pakistan & Afghanistan
12/13/11	Peter Selkin, <i>UW ESS</i>	Tracing Mineral Contamination From the Tacoma Smelter
1/19/12	(Meeting cancelled due to weather)	
2/14/12	Eric Cheney, <i>UW ESS</i>	Rare Earth Elements: Geologic, Economic, & Political Issues
3/13/12	Steve Reidel, <i>WSU Tri-Cities</i>	Late Cz Evolution of the Columbia River System in CRB Prov.
4/10/12	Tom Pratt, <i>USGS at UW</i>	Fracture Mechanics: C. Washington's Folds, Faults, & OWL
5/8/12	Vicki McConnell, <i>DOGMI</i>	All About State Geological Surveys
5/19-20/12	Steve Reidel, <i>WSU Tri-Cities</i>	<b>Field Trip: Cz Evolution of the Columbia River System in CRB</b>
8/14-18/12	Kristinn Gudjonsson, <i>Nattours</i>	<b>Field Trip: Land of Ice and Fire (Iceland)</b>
9/8-9/12	Eric Cheney, <i>UW ESS</i>	<b>Field Trip: Reg. Geol. &amp; Tect. Hist. E. Flank Cascade Range</b>
10/9/12	Paul Kennard, <i>National Park Service</i> Chris Magir, <i>USGS Tacoma</i>	Landscape Response to Climate Change From the Summit of Mount Rainier to Puget Sound
11/13/12	Bill Laprade, <i>Shannon &amp; Wilson</i>	Landsliding in the Puget Lowland
12/11/12	Kathy Troost, <i>Troost Geosciences</i>	The 14,000 Year Geologic History of Lake Washington
1/8/13	Members of the 2012 Iceland FT	The Geology of Iceland as Seen by the NWGS Field Trip of 2012
2/14/13	Joshua Banfield, <i>UW ESS</i>	Mars: Geologic History Revealed by Spacecraft Images
3/13/13	Jim Sears, <i>U. of Montana Geology</i>	Origin of the Grand Canyon: the Canadian Connection
4/9/13	Tony Irving, <i>UW ESS</i>	Forensic Science: Meteorites From Other Planets and Asteroids
5/3-4/13	Lars Gilmour, Sym. Chair, <i>UW ESS</i>	<b>2<sup>nd</sup> NWGS Symposium and Reception</b>
5/5/13	Eric Cheney, <i>UW ESS</i>	<b>Field Trip: Geology of Fidalgo Island</b>
5/18/13	Eric Cheney, <i>UW ESS</i>	<b>Field Trip: Geology of Fidalgo Island</b>
10/8/13	Eric Cheney, <i>UW ESS</i>	Geology of Northeastern (Laurentian) Washington
11/12/13	Dave Montgomery, <i>UW ESS</i>	Megafloods Down the Tsangpo River Gorge, southeastern Tibet
11/16/13	Bruce Stoker, <i>Earth Systems</i>	<b>Field Trip: Cadman High Rock Quarry</b>
12/10/13	Julie Masura, <i>UW Tacoma</i>	Characterizing microplastics from waters Van. I. to Puget Sound
1/14/14	Kate Allstadt, <i>UW ESS</i>	Seismically Induced Landsliding in Seattle
2/11/14	Jim Miller, <i>GeoEngineers</i>	Alaska Gold: Geology and Mysteries
3/14/14	Chris Brummer, <i>GeoEngineers</i>	Sediment Budget & Geomorphic Response, Lower White River
4/8/14	Jody Bourgeois, <i>UW ESS</i>	Travels in Geology: Antarctica and the Scotia Arc
5/13/14	Anne Tréhu, <i>OSU</i>	New Seismic Data from Outer Forearc of Cascadia Subd. Zone
5/17/14	Ralph Haugerud, <i>USGS UW</i>	<b>Field Trip: The Seattle Fault Zone S. End of Bainbridge Is.</b>
10/4-5/14	Eric Cheney, <i>UW ESS</i>	<b>Field Trip: Geol Ancestral Margin N. America: Laurentia NE WA</b>
10/14/15	Ron Harris, <i>BYU Geology</i>	Active Banda Arc-Australian Continental Collision E. Indonesia
11/11/15	Jeff Tepper, <i>UPS Geology</i>	Deciphering Environmental Histories of Tacoma Area Lakes
12/9/15	Grace Winer, <i>SCCC</i>	Iceland: La Terre Vivante
1/13/14	Michael Polenz/Trevor Contreras, <i>Wa DNR</i>	Hood Canal: Seven Years of Mapping Rocks, Faults and Water