

# Bretz Club 2014

Fire, Water, Mud, and Wine: Geology, Geomorphology, and Hydrology of the Cascades

5<sup>th</sup> Annual Bretz Club Schedule, April 9-12, 2014

## Thursday, April 10, 2014:

Organizers and Most Participants arrive 5pm-10pm. Check in at Rec Lodge.

## Friday, April 11, 2014: Scientific Program, Camp Collins, Sandy River, Oregon

*All activities are in the Rec Lodge unless otherwise noted.*

8am Breakfast (*Collins Memorial Lodge – cafeteria*)

8:45am Check-in for Friday Arrivals

9am Introductions and orientation to Bretz Club & Camp Collins

9:30am Key note #1: **David Sherrod** (USGS)

Geology of the Cascade Range

Coffee break (*Hot beverages available in the cafeteria, bring your own snacks*)

10:45am Key note #2: **Gordon Grant** (USFS)

Hydrology and geomorphology of the Cascade Range

12:00pm Lunch (*cafeteria*)

1:30pm 3 minute Pop-ups (3-minutes each) on whatever comes to mind (*those who preregister have priority*)

Coffee break (*ditto*)

4pm Key note #3: **Scott Burns** (PSU)

Quaternary soils and the terroir of wine in Oregon

5:30pm Dinner (*cafeteria*)

7:00pm Evening Extravaganza: Poster session, raffle and merriment.

## Saturday, April 12, 2014: The restless river, eruptions, lahars, and dam removal on the Sandy

**River:** Tom Pierson, McKenzie Keith, Jim O'Connor, Gordon Grant and Lisa Ely

8am Breakfast & make your own bag lunch (*Collins Memorial Lodge – cafeteria*)

8:45am Room inspection by student volunteers – please leave your room as you found it.

9am Field trip departs Camp Collins parking lot (*see field guide for details*) – please carpool if possible.

*This year's trip focuses on the Sandy River. First we'll be guided by Tom Pierson to a couple locations in adjacent Oxbow Park, where we'll discuss a bit of the Quaternary history of the Sandy River and look more closely at volcanogenic deposits left by late Holocene eruptions of Mount Hood. From there we'll drive to the former Marmot Dam site, where Mackenzie Keith, Jim O'Connor, Gordon Grant, and Lisa Ely will describe the 2007 dam removal and the geomorphic consequences.*

~3pm Field trip ends at location of former Marmot Dam, Sandy River (*shuttles back to Camp Collins Parking lot*)

Ideas without precedent are generally looked upon with disfavor and men are shocked if their conceptions of an orderly world are challenged - J. Harlen Bretz, 1928

## The 2014 Bretzels (as of April 7, 2014)

Email	Last Name	First Name	Affiliation	City	State
tim@naturaldes.com	Abbe	Tim	Natural Systems Design	Seattle	WA
carmen.abbe@gmail.com	Abbe	Carmen	Roosevelt High School	Arlington	WA
albertd@hort.oregonstate.edu	Albert	Dennis	Oregon State University	Corvallis	OR
Vance.Almquist@oregonstate.edu	Almquist	Vance	Oregon State University - Cro	Corvallis	OR
hwbeeson@gmail.com	Beeson	Helen	University of Oregon Departm	Eugene	OR
georgieb@uoregon.edu	Bennett	Georgie	University of Oregon	Eugene	OR
boothad@pdx.edu	Booth	Adam	Portland State University	Portland	OR
boxes@onid.orst.edu	Box	Sam	Oregon State University	Gresham	OR
mbruneng@pdx.edu	Brunengo	Matt	Geology Dept, Portland State	Portland	OR
burnss@pdx.edu	Burns	Scott	Portland State University	Portland	OR
corinacd@uoregon.edu	Cerovski-Darriau	Corina	University of Oregon	Eugene	OR
schoinh@gmail.com	Choi	Na Hyung	Oregon State University	Corvallis	OR
jdietric@uoregon.edu	Dietrich	James	University of Oregon	Eugene	OR
rdorsey@uoregon.edu	Dorsey	Rebecca	University of Oregon	Eugene	OR
jduffin@uoregon.edu	Duffin	Jenna	University of Oregon	Eugene	OR
ely@cwu.edu	Ely	Lisa	Central Washington University	Ellensburg	WA
fonstad@uoregon.edu	Fonstad	Mark	University of Oregon	Eugene	OR
freeb@geology.cwu.edu	Free	Bryon	Central Washington Univeristy	Ellensburg	WA
lizgilliam@gmail.com	Gilliam	Liz	Otak, Inc.	Portland	OR
gordon.grant@oregonstate.edu	Grant	Gordon	USDA Forest Service, PNW Res	Corvallis	OR
Eduardo.Guerrero@geo.oregonstate.edu	Guerrero	Eduardo	CEOAS, Oregon State Universi	Corvallis	OR
hammondj@science.oregonstate.edu	Hammond	John	Oregon State University: Wate	Corvallis	OR
handwerg@uoregon.edu	Handwerger	Alexander	University of Oregon	Eugene	OR
tharden@usbr.gov	Harden	Tess	Bureau of Reclamation	Denver	CO
hezhongtai@126.com	He	Zhongtai	visiting scholar	Beijing	Beijing
hempell@geo.oregonstate.edu	Hempel	Laura	Oregon State University	Corvallis	OR
hhgeology@gmail.com	Hurtado	Heather			
mej_mdsgv@yahoo.com	James	Michael			
kljones@usgs.gov	Jones	Krista	U.S. Geological Survey	Portland	OR
mkeith@usgs.gov	Keith	Mackenzie	U.S. Geological Survey	Portland	OR
paul_kennard@nps.gov	Kennard	Paul	Mount Rainier National Park	Ashford	WA
kirbye@geo.oregonstate.edu	Kirby	Eric	Oregon State University	Corvallis	OR
elahart@pdx.edu	Lahart	Eleanor	Portland State University Geol	Portland	OR
lancasts@geo.oregonstate.edu	Lancaster	Stephen	Oregon State University	Corvallis	OR
langston.trevor@gmail.com	Langston	Trevor	University of Oregon	Eugene	OR
nleg461@ecy.wa.gov	Legg	Nick	Washington Department of Ec	Portland	OR
sarah.lewis@oregonstate.edu	Lewis	Sarah	Oregon State University	Corvallis	OR
rivergrove.environmental@frontier.com	MacDonald	Anne	City of Lake Oswego/ Rivergro	Lake Oswego	OR
ian.madin@dogami.state.or.us	Madin	Ian	Oregon Department of Geolog	Lake Oswego	OR
lmark@esassoc.com	Mark	Linda	ESA Vigil-Agrimis	Portland	OR
jillm@uoregon.edu	Marshall	Jill	University of Oregon	Eugene	OR
meigsa@geo.oregonstate.edu	Meigs	Andrew	Oregon State University CEOA	Corvallis	OR
waterboy3@comcast.net	Moffatt	Bruce	Oregon State University	Salem	OR
nashca@onid.orst.edu	Nash	Caroline	Oregon State University	Corvallis	OR
jay.noller@oregonstate.edu	Noller	Jay	Oregon State University	Corvallis	OR
oconnor@usgs.gov	O'Connor	Jim	U.S. Geological Survey	Portland	OR
kristopher.osterloh@oregonstate.edu	Osterloh	Kris	Oregon State University	Corvallis	OR
pacek@geo.oregonstate.edu	Pace	Kylie	Oregon State University	Corvallis	OR
bdp@uoregon.edu	Penserini	Brian	University of Oregon	Eugene	OR
tpierson@usgs.gov	Pierson	Thomas	U.S. Geological Survey	Vancouver	WA
punkem@gmail.com	Punke	Michele	Historical Research Associates	Portland	OR
frecken@mac.com	Reckendorf	Frank	Reckendorf and Associates an	Salem	OR
maryann@naturaldes.com	Reinhart	Mary Ann	Natural Systems Design	Seattle	WA
jroering@uoregon.edu	Roering	Josh	University of Oregon	Eugene	OR
mohammad.safeeq@oregonstate.edu	Safeeq	Mohammad	Oregon State University	Corvallis	OR
safran@lclark.edu	Safran	Elizabeth	Lewis & Clark College	Portland	OR
seenoe@onid.oregonstate.edu	Seenoe	Elizabeth	Oregon State University	Lebanon	OR
dsherrrod@usgs.gov	Sherrrod	David	U.S. Geological Survey	Vancouver	WA
ssobie@usgs.gov	Sobieszczyk	Steven	U.S. Geological Survey	Portland	OR
lcs2@pdx.edu	Standley	Laura	Portland State University	Gresham	OR
strattol@onid.oregonstate.edu	Stratton	Laurel	Oregon State University	Corvallis	OR
sweeney3@uoregon.edu	Sweeney	Kristin	University of Oregon	Eugene	OR
taylor@wou.edu	Taylor	Steve	Western Oregon University	Monmouth	OR
tnt2150@hotmail.com	Taylor	Ty	Portland State University	Beaverton	OR
rosewall@usgs.gov	Wallick	Rose	U.S. Geological Survey	Portland	OR
lrw@uoregon.edu	Wetherell	Logan	University of Oregon	Eugene	OR
jzunka@gmail.com	Zunka	Jack	Oregon State University	Corvallis	OR

*Dear 2014 Bretzl,*

It's the 5<sup>th</sup> Annual Bretz Club event and we'll be gathering along the banks of the Sandy River at YMCA Camp Collins in Gresham, Oregon. (<http://ymcacw.org/locations/ymca-camp-collins/campcollins.html>).

**The conference talks and scientific program is set for all-day Friday, April 11, and the field trip is Saturday, April 12.**

**Bretz Club website:** <http://www.fsl.orst.edu/wpg/events/bretz2014.htm>

#### **Check-in and accommodation**

- Directions to Camp Collins AND a map of Camp Collins are attached here or available on-line: <http://ymcacw.org/locations/ymca-camp-collins/campcollins.html>.
- Plan to arrive at Camp Collins between 5pm and 10pm on Thursday. When you do, please go to the Rec Lodge for your room assignment.
- **Lodging is included for Thursday and Friday nights.**
- The group will be housed in the Rotary Village "Hobbit Houses". Each building has an open floor plan with 14 twin beds and toilet/sink facilities. We will designate a few houses as gender specific and Burns House will be for those who snore. Shower facilities are located in the nearby Rotary bathhouse.
- Bedding/towels: **Bring your own bedding & pillow (twin mattress) or sleeping bag as well as hand/shower towels.** If you have paid for reserved linens, you can pick them up in the Rec. Lodge on your arrival.
- If you're arriving on Friday morning, you will find us in the cafeteria in the Collins Memorial Lodge (8am) or at the Rec. Lodge if you arrive after Friday's program begins at 9am.
- We need to completely check out of our rooms on Saturday morning before the field trip begins.
- We need to leave the rooms as we found them (minor cleaning). We've ask for student volunteers to coordinate that effort, but you are responsible for leaving your immediate sleeping area the way you found it.

#### **Food & Beverages**

- Dinner will NOT be provided on Thursday night. Please **plan to eat Thursday dinner before arriving at Camp Collins.** The nearest food is a 15-20 minute drive away.
- All meals (Friday breakfast, lunch, dinner, and Saturday breakfast) are included and will be served in the Collins Memorial Lodge cafeteria. On Saturday, you'll make sack lunches for the fieldtrip. We are working with the cafeteria staff to have vegetarian, dairy-free and/or gluten-free options available for those who indicated a dietary restriction.
- Meal times are:
  - Breakfast: Friday at 8am and Saturday at 8am
  - Lunch (Fri): noon
  - Dinner (Fri): 5:30pm
- Hot beverages are available in the cafeteria for our coffee breaks
- The Rec Lodge has a refrigerator for storage of beverages or other necessities.
- We'll provide some basic snacks and beverages (alcoholic and non), but **please bring your preferred beverages** for Friday night's post-dinner Extravaganza.
- We are sharing of Camp Collins with other groups; please be sensitive to YMCA policies and discreet about alcohol consumption and disposal of containers.

#### **Connectivity**

- **There is poor/no cell phone coverage at Camp Collins.** In an emergency, the main office number is 503-663-5813, and a pager number is 503-441-2980.
- **There is wifi (yqwest13) in the cafeteria** and possibly the lodge, not in the hobbit houses.

### Field Trip (Saturday)

- We'll depart for the field trip at 9 am on Saturday morning. Everyone needs to have their bags packed and be fully checked out of their rooms.
- A pdf of the field trip guide will be distributed tomorrow (Wednesday) and posted on the Bretz Club website. **You are responsible for printing out a paper copy of the field guide if you want one.** If it presents a hardship to you to print your own copy (I know a couple of you are traveling this week) let me know.
- Vehicles not needed for transportation on the field trip may remain in the parking lot for the day, and we'll shuttle drivers back to Camp Collins to collect them at the end of the day.
- The current weather forecast looks promising, low 60s during the day, 40s at night and partly cloudy. Please be prepared with layers and rain gear (just in case) and appropriate footwear for walking to our field stops.

### Other Notes

- **Bring a flashlight.**
- All of the talks and poster sessions and festivities will be held in the Rec Lodge, which is centrally located at Camp Collins. We'll be moving back and forth between the Rec Lodge and Collins Memorial Lodge on Friday for meals, the hobbit houses are close by.
- New this year: **"Bretz" water bottles will be for sale (\$10).** Correct change much appreciated.
- **Posters:** Please bring your poster to the Rec Lodge on Friday morning. They will be put up on the walls during the day for the evening poster session.
- Name tags, chocolate, room assignments, and the field trip guide will be handed out when you arrive.
- **Raffle:** All attendees are automatically entered in the raffle. Prizes include cool maps, publications, and other assorted swag. Please consider donating your own item of geomorphological interest to the cause! You can purchase additional tickets for \$5 and the money goes towards the Bretz Club Sustainability Fund.
- **Students:** Each of you should have signed up by now for a volunteer position. Check here for the list: <https://docs.google.com/spreadsheet/ccc?key=0An5NU5q9ut-FdHRHZUFac2ZNTzhIZDR4TkZWVIFMTVE&usp=sharing>. We could still use some help with Set-up on Friday am (new opportunity!) and check-in on Thursday evening.
- **Please check the attached participant list:** You are encouraged to carpool with your neighbors. If you are not listed correctly, please contact OSU conference services ASAP at 1-800- 678-6311 or email [conferences@oregonstate.edu](mailto:conferences@oregonstate.edu) to correct your reservation. If you have any additional questions, please don't hesitate to call or email us.

# YMCA Camp Collins

## Driving Directions

### From Interstate 84

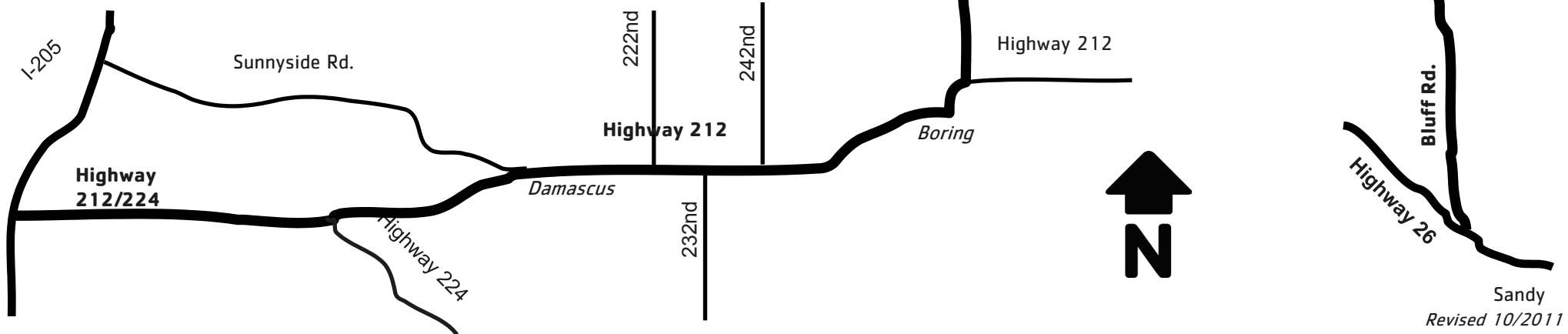
From I-84 east take exit #17 (Troutdale). Drive past the truck stops and turn right on Graham Ave./257th. Continue straight onto 257th/Kane Road, heading south, and continue about 2.5 miles. Turn left onto Division. As you drive eastward on Division, you will see signs indicating Oxbow Park. Keep in mind that YMCA Camp Collins is adjacent to this Park. Stay on Division for about 6 miles, about halfway you may notice that this main road turns into Oxbow Drive. Turn left onto Oxbow Parkway; it is one mile down the hill to Camp.

### From Sandy

From Highway 26 turn right onto Bluff Road. Follow Bluff Road about 5 miles and turn right onto 347th/Cottrell Road for about 1 mile. Turn left on Lusted Road then right onto Hosner Road. Continue straight onto Oxbow Parkway; it is one mile down the hill to Camp.

### From I-205 at Clackamas

Proceed east on Highway 212/224 about 10 miles staying on Highway 212 to Boring. Turn left on 282nd/Troutdale Road after going through the town of Boring. Drive about 4 miles crossing Highway 26 and the Orient Drive intersection to the stop sign at Lusted Road. Turn right on Lusted Road go about 3 miles and turn left on Hosner Road. Continue straight onto Oxbow Parkway; it is one mile down the hill to Camp.



# • Camp Collins •

