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Dates to Remember

Feb 19	SciEd Tuesday
Feb 22	Polar Bears - Potluck
Feb 24	Bus Rally
Mar 1	March Bulletin Deadline
Mar 5	Board Meeting

Byways-By-Bus Schedule 2008

See Insert

2008 Membership Directory

See Insert

Online viewers: Access membership directory in the member's only area of the Obsidian website.

Summer Trips Campaign 2008:

Change Is In the Air!

By Barb Revere

WE HEAR IT WHISPERED on the wind, burbling in the raindrops and swooshing at our local coffee bar: "Big change is coming." – in Congress, the White House and our climate. The 2008 Obsidian Summer Trips Campaign is changing too! This year will be different.

We are changing the protocol for entering your trips into the 2008 Summer Trips schedule. We are asking leaders to step up *in the first two weeks of March* and email or phone in their trip selections. We hope to get most trips self-scheduled by the leaders -- and hope leaders get their trips in early, before we unleash the Summer Trips Committee *in the last two weeks of March*.



Summer trip planning is underway with Barb Revere at the helm. - Photo by Tom Revere

Remember, we usually need a bit of time for "trip-juggling" to accommodate and balance the schedule. First come, first served – so get your trips entered early and get the dates you want. Also, see the working schedule at www.obsidians.org/strips for possible conflicts.

How to Self-schedule Your Trips

Check your calendar, select your hikes, check the working schedule for conflicts, then email or phone in the information for your trips: place, date, distance and elevation are all we need. Email summertrips@obsidians.org or phone Barb at 726-4989, or Janet at 343-8030.

We know that change can be scary, but it's the only way to make things better. We've no advice for dealing with future occupants of the White House. As for climate change, remember summer is hot and getting hotter! So don't forget that some of the nicest hiking weather is in September, October and, even November.

Schedule

- Mar 1 – Mar 15** Leaders send trips to summertrips@obsidians.org or phone Barb at 726-4989, or Janet at 343-8030
- Mar 16 – Mar 31** Committee members email/phone leaders asking for trips
- Apr 1 – Nov 15** Summer Trip Schedule
 - Apr 1** Schedule posted online
 - Apr 6** Schedule in April Online Bulletin
 - Apr 9** Hardcopy schedule mailed with April Bulletin

South Ridgeline Habitat Study

by Janet Jacobsen

Editors Note: At the July 2007 Board meeting, President John Pegg asked for a volunteer to serve on the SRHS citizen task force. Since Janet led many hikes in the Ridgeline area and is knowledgeable of the area, the Board felt she would be a good representative.

THE SOUTH RIDGELINE Habitat Study (SRHS) mapped and evaluated approximately 2,600 acres of undeveloped upland habitat along Eugene's South Ridgeline. Six community workshops were held in the spring of 2007. I was part of a nine-member citizen task force that met from August through November to study the issues and to draft a conservation proposal.

The nine members included property owners, conservationists, developers, and recreationists (me). We were to leave our "hats" at the door and come to consensus for the greater good of the community. Before we made any conservation recommendations the nine members agreed on three priorities: 1. Biodiversity (habitats) 2. Stormwater (habitats with direct surface water) 3. Recreational Val-

ues (habitats that contribute to recreational experience).

There were two public hearings about the draft conservation proposal in January 2008. The next step in the timeline is a public hearing on the draft recommendations before presenting them to the Eugene Planning Commission in the spring. If you would like to read more about the proposal or offer feedback, visit the project web site at www.EugeneNR.org. It includes a new map portal that allows you to look up specific properties and view mapped habitat information. Here you can see how property is categorized in the draft conservation proposal.

This is the short version of what happened over the three-month period! The long version is on the project website.

OBITUARIES

Theodosia Leppman

Dody, as her friends called her, died at age 86, on January 24, 2008, after a lengthy illness. A service will be held later.

Born Oct. 2, 1921, in Winnipeg, Manitoba, to Kristian and Gerda Hal-dorson Olafson. She married Wolfgang Leppmann May 11, 1946 in Montreal.

She held a bachelor's degree from the University of Manitoba and a master's of social work from the University of Toronto. She was a social worker and homemaker, and owned the Jabberwocky card and gift store in Eugene.

Dody became a member of the Obsidians in 1990, with her first bus trip, which was to Proxy Falls. Altogether, she went on 97 bus trips. Her last trip was to visit Oregon City Historical Homes in April 2005.

Frances Newsom

Frances died January 12, 2008 in Olympia, Washington, where she moved about 3 years ago, to be near her son Keith.

The Bulletin will have a complete obituary in the March issue.

OBSIDIANS, INC

P.O. Box 322, Eugene, OR 97440

Website: www.obsidians.org

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Anne Dhu McLucas Jim Pierce
Barb Revere

Board meetings are held at 6 p.m. on the first Wednesday of each month, except August, at the Obsidian lodge.

Committee Chairpersons

Byways-By-Bus..... Liz Reanier
Climbs..... Larry Huff
Concessions..... Kathleen Floyd
Conservation..... Juli McGlinsky
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Extended Trips..... Jim Duncan
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The Obsidian Bulletin

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Deadline

for March 2008 Bulletin

Saturday, March 1, 2008

Assembly/Mailing Team

For January Bulletin

Don Baldwin, Marc Hansen, Yuan Hopkins, John and Lenore McManigal, and Lou Maenz, crew chief

Call Manager..... Vera Woolley
Assembly & Mail Manager..... Lou Maenz

Editorial Team

Writing & Editorial Staff..... Jean Coberly, Janet & John Jacobsen, Barb Revere, Beth Roy
Copy Editors..... Jean Coberly & Beth Roy
Graphics, Design & Desktop Publishing..... Stewart Hoeg & John Jacobsen

Welcome!

New Members

ANDERSON, CHRISSY (Active)

40205 Brice Creek Road

Culp Creek, OR 97427

946-1732 chrisyanderic@hotmail.com

PIERCE, CHARLENE (Active)

1775 Cameo Drive, Eugene 97405

344-1775 laodysey@juno.com

WANSER, SUSAN (Active)

170 Prasad Court, Springfield 97477

221-2753 smwanser@comcast.net

Reinstated Members

WEST, MARIAN (Active)

441 W D St, Springfield 97477

746-6263 laurel97477@yahoo.com

Land of the Thunder Dragon - Part II

Story and Photos by Chris Stockdale

HOW CAN A COUNTRY that has as its philosophy "Gross National Happiness" be anything but a delight? How can a country that has an extraordinary mixture of the old and new, such as a Buddhist monk with a cell phone to his ear, solar panels on old houses up in the mountains, or young children in remote, basic classrooms learning English, not be a fascinating place to visit? Friendly, beautiful people, spectacular scenery--what more could you want?

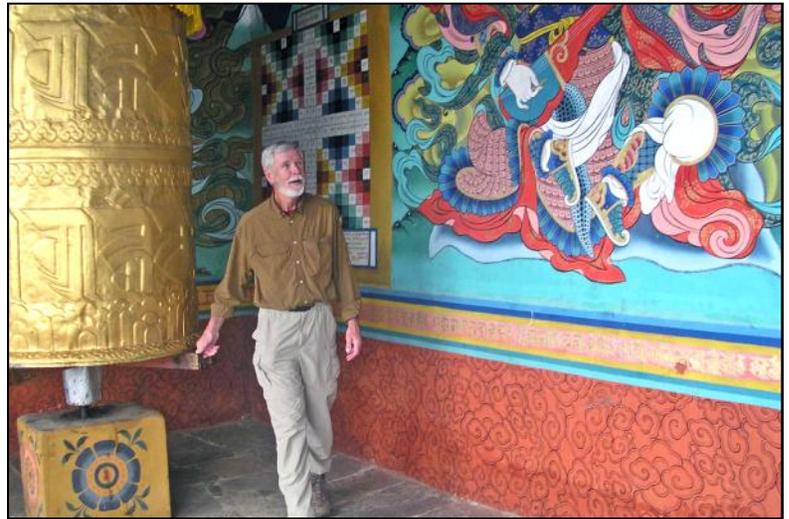
When the eight of us reconvened at the hotel for lunch after returning from our trek, we hardly recognized each other. Eight days worth of dirt and for some, beard growth, had been removed and we glowed. What a glorious feeling hot water can impart to a tired body.

But we didn't stop to rest. A shortage of time and too much to see kept us going.

After a great night's sleep, we headed east toward Thimpu, the capital of Bhutan. Along the way we stopped to watch a darts match played between two teams of men from separate towns. These are not the pub darts we're used to but are large ones that can be thrown a long distance. Targets are set up at two ends of the competition site and each team attempts to throw darts to hit

the opposing target. The team waiting at that end will perform little dances and songs of derision when the target is missed. When they hit the target of course the throwing team has their song and dance. This is one of the two national sports of Bhutan, the other being archery. Apparently women don't take part in either. When I asked our guide Sonam about that he replied that the women were at home cooking. And this in a country that boasts about the equality of men and women!

I DON'T WANT TO HEAR complaints about bad roads and potholes in Eugene ever again. The road to Thimpu, which is the main East-West highway, is horrendous. Not only is it extremely narrow, with barely room for two small vehicles to pass each other, but also in many places it hugs the edge of the river canyon, with steep, unprotected drops to the raging river. Although described as "paved," the road barely met that description in many places. Travel along this road is slow, not only because of the bad surface, but because every time two vehicles



Larry and prayer wheels at the Punakha Dzong

met they would have to get past each other without sending one into the ravine. The Bhutanese government is improving this road and Sonam told us, to our rather skeptical reception, that it would be done by 2010. Why skeptical? Because the improvement work is being done by thousands of imported Indian laborers, both men and women, who line the road making gravel by hammering at rocks. Talk about hard labor! A few modern machines help out every once in a while. The Indians are brought in to do this menial labor, as the Bhutanese don't want to do it. (Sound somewhat familiar?)

WITH JUST A BRIEF money-changing stop in Thimpu, we headed toward Punakha, which, at about 4500', was the lowest elevation we experienced in our trip. The scenery as we dropped down from a pass of about 10,000' was spectacular with hillsides covered with terraced golden rice paddies and houses scattered all over. The main attraction in Punakha is the Punakha Dzong. (Dzong is usually a combination of a fortress and a monastery and, as are others, the Punakha Dzong is used for the administrative offices of the region). It was built in 1647 at the confluence of two rivers and has recently undergone extensive renovation after suffering major dam-

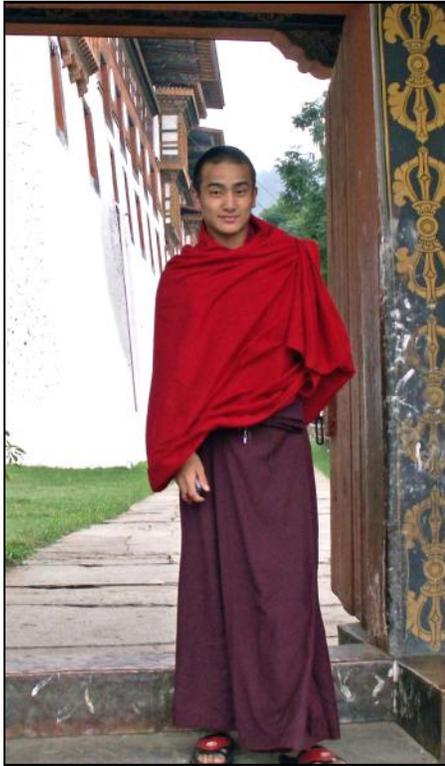
(Continued on page 4)



The Punakha Valley

Thunder Dragon

(Continued from page 3)



age in a flood a few years ago. Although we were unable to see the whole place we were able to watch a Buddhist prayer session and examine some gorgeously decorated woodwork.

Close by we found an archery contest between two teams. We were quite surprised at the sophistication of the bows, which obviously are not cheap. Again, as with the darts match, the opposing teams attempt to hit targets and tease each other with dancing taunts and songs. We were also a little startled to see how close the team members would stand to the target as the distance the arrow was shot was probably about 150 yards, so accuracy may not be absolute! But we didn't see anybody get hit or even experience a close encounter.

AFTER A COUPLE OF NIGHTS in the Punakha region where our exploration included hiking to more monasteries and crossing the longest suspension footbridge in Bhutan, we traveled back to Thimpu. Our hotel was right in the middle of the city, which allowed us to explore on our own. During our time there, we visited a paper making fac-

tory which was fascinating as the paper is made from plant fiber rather than trees and the finished product has a beautiful decorative finish. We visited the Takin Preserve to observe this extraordinary creature that is the national animal. Space is insufficient to describe this one, but try to imagine a rather klutzy cross between a cow and a goat. Another trip took us to an arts and crafts school where many disadvantaged youngsters are trained to make items that can be sold to tourists. Weaving is one of Bhutan's major arts and glorious fabrics are available – unfortunately very expensive. We also were welcomed to an elementary school and watched a group of 4-year olds sing a song in English for us. All children are taught English as the forward thinking government knows that knowledge of English is essential to be able to compete in the modern world. We gave the teachers gifts from Oregon such as postcards, picture calendars, pens and pads to distribute to the kids.

On our last night in Thimpu we had dinner with Sonam Jatsu, the owner of *Insiders Bhutan*, the company that organized our trip. Sonam is running for a seat in the soon-to-be elected new democratic government and his platform is mostly on education for all children. This election is taking place on March 24 and is an exciting time for this little country that has been a mon-

archy since the early 1900's. The current king is a young Harvard-educated man who has chosen to step into a role that will be more figurehead (similar to the British Queen) than governing. We bombarded Sonam with questions, perhaps a few too many!

ALL TOO SOON we had to head back to Paro for our flight out. But our last day also contained a wonderful experience. We went to see the 7th century Kichu Lhakhang, one of the oldest and most sacred Buddhist temples in Bhutan. King Songtsen Gampo of Tibet built it in 659. Upon our arrival, we found that the head of the Bhutanese religious group was just about to arrive. The monastery was highly decorated for this special occasion and many people had traveled long distances to see this revered being. Our group was invited into the inner courtyard to watch the procession of monks that preceded the arrival of the leader and we were allowed to take photographs.

I think all of us felt that we could have spent another two weeks happily exploring more of this beautiful, little known country, but families, jobs and other commitments called us back home.

The December '08 potluck will feature a presentation on their trip to Bhutan by Sam Miller and Chris Stockdale.



WOW! What a Party... Work Party That Is

Story & Photos By Brain Hamilton

I'VE KNOWN SOME Obsidians who joined the club to participate in winter or summer outings and have never been to the lodge. Other Obsidians joined for the climbs and may only have stepped into the lodge to attend the Climb School. In fact, for the first year that I was a member, I was part of the latter group. Not that there's anything wrong with that! We offer such a variety of outings that a member can be active in the club for years and have no reason to even know how to find the lodge.

For those of you who have not made it to a lodge event, I just have to say that you don't know what you're missing. From Science and Education presentations to first aid classes and trip leaders' training, there is a lot going on throughout the year. Of course, our centerpiece is the monthly potluck where you can have a great dinner with wonderful people with whom you'll share common interests, and then watch an entertaining presentation. If you're not making it to the lodge at least a few times each year, I think you're missing some of the value of your Obsidian membership (even though our events are open to non-members also!)

If you're a new Obsidian member, you may come to the lodge several times as I did without giving any thought as to how the lodge and grounds are kept clean and maintained. I had attended Climb School and a potluck, but it was-

The volunteers, all Obsidians (except for my 5-year-old granddaughter Zoey) who enjoyed working together on the Obsidian lodge and grounds were:

Tom Adamcyk	Zoey Hamilton	John McManigal
Pat Adams	Anne Hollander	Lenore McManigal
Max Brown	Sam Houston	Effie Neth
Rob Castleberry	Gary Kirk	Doug Nelson
Jim Floyd	Janet Jacobsen	Margaret Prentice
Shirley Froyd	John Jacobsen	Claire Tucker
Brian Hamilton	Sandra Larson	Janet Winter
Mary Hamilton	Norma Lockyear	

(My apologies to anyone whose name I've missed)

n't until I was asked to serve on the ad hoc Building Committee that I became conscious of how much work it takes to maintain the lodge and grounds.

A good example of the work required could be seen at the January 19 Winter lodge Cleanup Party. John Jacobsen, lodge Grounds Committee Chair, and I had prepared a list of items needing attention prior to the first potluck of the year. We arranged the list from highest to lowest priority, with the understanding that if very few volunteers arrived on Saturday morning, the high-priority items with the most visibility would be cleaned and the most critical maintenance items would be attended to. We know that

it's hard for someone to give up part of a Saturday so we would be surprised if much more than a half dozen volunteers showed up.

Wow! WERE WE SURPRISED at 9:00 AM Saturday morning when the volunteers started rolling in! By my count, 23 people took part in our work party. Folks were outside washing down the roof and gutters, cleaning the two outbuildings, sweeping the walks,

clearing branches and twigs from the ground, and pulling up weeds and blackberries. Inside, there was a flurry of activity: wood doors and trim were washed, light fixtures, fans, beams, and walls were dusted, floors were swept and mopped, the kitchen and restrooms were cleaned, the fireplace was washed, windows were washed, the gas stove in the entry was cleaned inside and out and the burners were adjusted, the wood bench in the entry was polished with linseed oil, and the upstairs Board room was cleaned top-to-bottom. Even the lowest priority items on the list were completed.



WHAT A SUCCESSFUL DAY! We had deliberately scheduled the work party for only 3 hours so people would not get burned out, yet everything got marked off on our to-do list. It sure makes a big difference when lots of people help out. However, after you've read this and the next work party comes along, don't think that we already have plenty of help and you won't be needed! The next work party will be in the spring and many more outside chores will be required.

I think everyone had a good time. I know I did, and I was able to meet several veteran and new members. John's and my gratitude goes out to all who volunteered, with special thanks to Janet and Mary for bringing treats.

Implications for Wave Energy Development

By Dick Hildreth

EDITORS NOTE: *An active Obsidian member since 1980, Richard G. Hildreth is a Professor of Law at the University of Oregon, where he is the director of the Ocean and Coastal Law Center. He is the author of numerous publications on ocean and coastal law and has consulted frequently with federal and state coastal management agencies in the U.S. on environmental legal matters. This article was presented October 11, 2007, at the Oregon Coast Aquarium, Newport, Oregon as the keynote address at a scientific workshop on Ecological Effects of Wave Energy Development in the Pacific Northwest*

WAVE ENERGY DEVELOPMENT (WED) is being proposed off the coast of Oregon in areas where activities such as fishing occur. Ocean zoning is a recognized technique for managing multiple ocean uses. It is a means for specifying human uses for particular ocean areas to reduce conflicts between ocean users and to support marine conservation. It is also known as area-based management, place-based management, and marine spatial planning.

The United States Exclusive Economic Zone (EEZ) is the world's largest and extends 200 miles off the coast of Oregon and other U.S. states and territories. Pursuant to federal law, resource management within the first three miles is primarily by the states. The need for zoning in particularly busy areas of the U.S. EEZ such as off the New England and southern California coasts was recognized in the recent reports of the Pew and United States commissions on ocean policy. President Bush's Action Plan and Executive Order and the Joint Ocean Commission Initiative following up on those reports also support the use of ocean zoning.

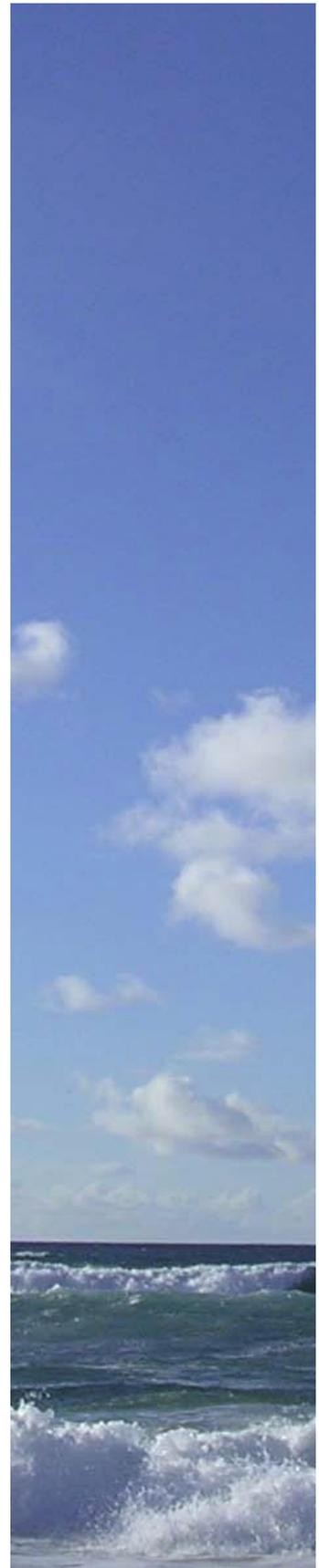
TWO LEADING EXAMPLES of ocean zoning are Australia's Great Barrier Reef Marine Park and the Northwest Hawaiian Islands Marine National Monument proclaimed by President Bush last year. Each is slightly larger than the state of California in area. The monument is slightly larger than the park, is the world's largest marine or terrestrial conservation area, and includes about 3% of the U.S. EEZ. Commercial fishing is prohibited in most of the monument and in 34% of the park.

Other U.S. federal ocean zoning schemes include 13 National Marine Sanctuaries whose total area includes about 1% of U.S. state and federal EEZ waters. Four of those sanctuaries are located off California and 1 off Washington. In 2005 Oregon Governor Kulongoski proposed that the entire continental shelf off Oregon be designated a sanctuary --it would be 4 times as large as the next largest sanctuary, the Monterey Bay National Marine Sanctuary off the central California coast. Within most sanctuaries, bottom trawling is banned and some other fishing activities are also regulated. Most significantly for my topic, wave and other renewable energy facilities are prohibited in federal sanctuary waters and stringently regulated in state sanctuary waters.

The Florida Keys and California Channel Islands sanctuaries contain networks of "no take" marine reserves. In state waters off the central California coast, the state recently established a network of 12 marine reserves. Almost all federal and state definitions of marine reserves exclude "extractive" activities. WED probably will not be viewed as an "extractive" activity like offshore oil and gas development or commercial fishing, but it does have impacts on local ecosystem dynamics of varying levels of significance which are being assessed as part of this state-of-the-art international workshop.

CURRENTLY OFF OREGON there are no marine reserves in state or federal waters and ocean zoning is limited to essential fish habitat areas designated by the federal regional Pacific Fishery Management Council and protected from damaging activities under the federal Fisheries Conservation and Management Act. Should more zoning be implemented before WED proceeds? My answer for the short term is no, WED may proceed without additional zoning. I base that conclusion in part on regulations recently adopted by the Oregon Department of State Lands which among other things require that WED development in state waters not "substantially impair lawful uses or developments already occurring within the area" such as fishing. Furthermore, Oregon Ocean Resources Management Goal 19, which has the force of law, requires that a precautionary approach be used with regard to the scientific uncertainties involved in deter-

(Continued on page 7)



Obsidians Editing, Dancing, On TV...

Lou Maenz is the new editor of "The Runoff" newsletter for the Many Rivers Group of the Sierra Club Oregon Chapter. It represents almost 3,000 Sierra Club members in Lane, Douglas and Coos Counties. Lou is also the assembly and mail manager for our Bulletin. Website:

oregon.sierraclub.org/groups/many_rivers

Melody Clarkson is editor of "Nature Trails", the newsletter for Eugene Natural History Society. Their newsletter is on their website:

biology.uoregon.edu/enhs

Shirley Cameron is the associate editor of the "Outdoors West" newsletter for the Federation of Western Outdoor Clubs. In the Fall/Winter issue, Shirley compiled news about member clubs' activities. Website:

www.federationofwesternoutdoorclubs.org

The **Eugene Folklore Society** hosted a colossal 90th birthday potluck party for **Dot Leland** on January 12th. Fifteen Obsidians joined Dot's family, friends, the Peace Choir, and contra dancers to pay tribute. Former Obsidian **Shawn Lockery** highlighted how Dot climbed all 10 major Oregon peaks after the age of 50. After the birthday cake festivities,

Dot spent the evening contra dancing while most of the younger Obsidians headed out for an early night's sleep.



Murriner Orum and Dot at gala.

Have you seen **Colleen Milliman** on a TV ad? Watch for her riding on a merry-go-round for the Oregon Medical Group. In an ad for an attorney, she says, "I now know how to say the word, "lawyer," correctly." Colleen made her own news in the club on September 2, 2001 when she climbed her first mountain, Diamond Peak, at 75 years young.

At the **lodge Clean Up** on January 19, President **Brian Hamilton** was asked to hang the print of Mt. McKinley in the stairwell going up to the boardroom. Two members offered "eyeball"

assistance to see if the picture was even and balanced. Instead Brian took copious measurements and vocalized his mental math skills to get the picture in the "right" spot. He is a master at picture hanging! **Joe Wilcox**, author of *White Winds*, autographed and donated the print to the lodge. Walk up the stairs and give it a viewing at the next potluck.

Lost and Found: After a Mt. Pisgah hike, **Sandy Reul** found her missing poles leaning against the Arboretum office. Sandy said, "I wish I could thank the person that left them in such a safe place."

Our club received an e-mail from a hiker in Canada asking if we have any copies of *White Winds* by Joe Wilcox for sale. Unfortunately, we sold all of our available copies. The lowest price for a used copy of *White Winds* on Amazon.com is now \$45.00.

Doug Quirk and Robin Harris were married New Year's Day along Sweet Creek (outside of Mapleton), at the uppermost part of the trail where the trail ends and two waterfalls come together (which seemed fitting). Congratulations.

Wave Energy

(Continued from page 6)

mining whether there are significant use conflicts or adverse ecosystem impacts. Under the federal Coastal Zone Management Act, both requirements are potentially applicable to federal approval of WED in federal waters off Oregon as well.

Over the longer term, expanded ocean zoning off Oregon could offer WED developers security of tenure at preferred seabed, water column, and surface locations through a lessened likelihood that expiring state and federal permits and leases up for renewal would not be renewed and the location allocated to some other use. That additional security of tenure would be supported by the use of zoning to harmonize WED to

the maximum extent possible with existing and future uses in the area. In this regard, it is increasingly clear that WED facilities offshore will have to be protected by some form of "no entry" zone.

AND IF WED DOES EXPAND up and down the west coast, the 2006 West Coast Governors' Agreement on Ocean Health specifically supports a coordinated three-state approach to ocean renewable energy development. And on the research side, the three states are developing a Regional Marine Research Plan for the California Current Ecosystem adjacent to all three states. Much of the research funded and carried out pursuant to that plan could be relevant to assessing the potential for and ecological impacts of WED on the west coast and the need for expanded ocean zoning.

Are there any downside risks for

WED through expanded ocean zoning? Yes, at least in theory. One only has to recall the initial hostile response to the proposed Cape Wind wind farm in federal waters off Massachusetts and the west coast federal and state "zoning out" of any more offshore oil and gas development to see the possibility of WED being zoned out. And of course further research following up on this workshop might reveal WED impacts which would require mitigation or compensation to affected users, or in a worst-case scenario, lead to WED's exclusion from certain areas.

But personally, as one concerned like many of you about the environmental implications of our continued heavy reliance on fossil fuels, I am hopeful that room can be made for WED off Oregon and elsewhere.

BOARD NOTES

February 6, 2008

By Laurie Funkhouser, Secretary

President Brian Hamilton called the meeting to order. The following members of the Board were present: Jim Duncan, Stewart Hoeg, Laurie Funkhouser, Marshall Kandell, Anne McLucas, Jim Pierce and Barb Revere. Other members present were Liz Reanier, Kathleen Floyd, Kathy Hoeg, Lenore McManigal, Doug Nelson, John Jacobsen, and Julie Dorland.

Treasurer's Report: Stewart Hoeg requested and received Board approval for payment of the bills.

OLD BUSINESS

Pacific Crest Trail Association Dues: Notice of payment of dues was received by the Club. It was decided to pay the \$100.00 dues.

NEW BUSINESS

Membership in Convention & Visitors Association of Lane County (CVALCO): Marshall Kandell supported membership in CVALCO to assist in promotion, primarily through website links, of the events during the Olympic Trials. Currently, a calendar is available through CVALCO to post events in Lane County and there is no charge. For a membership of \$165 (\$150 plus \$15 administrative fees), the club would be listed in a relocation directory and CVALCO would represent the club at the booth at the Olympic Trial Festival. The Board APPROVED a one-year membership in CVALCO.

COMMITTEE REPORTS

Summer Trips (Barb Revere): A Leaders' Meeting is planned for 4/29/08.

Winter Trips (Jim Pierce): 22 trips have been completed this season – 8 hikes and 17 x-country ski or snow shoe trips with a total of 197 participants (159 members and 38 non-members) and fees of \$309.00. Eight trips have been canceled and 4 rescheduled.

Climbs (Larry Huff): Doug Nelson supplied the report from Larry stating that the committee has met and are discussing holding the annual Spring Climb School on Thursday 4/10 and 4/17 and field sessions on Saturday, 4/12 and 4/17, and Sunday 4/13. The committee

is finalizing plans to promote the Climb School. Plan to use in-house registration as well as continue to work with the Eugene Mountain Rescue members.

By-Ways-By-Bus (Liz Reanier): The committee approved the schedule of 13 trips for 2008 which includes 11 one-day trips, 1 3-day trip and 1 5-day trip. The Rally will be held at the lodge on February 24th at 1:00 p.m. The committee members remain the same as last year.

The committee presented a check in the amount of \$2,000 in memory of Frances Newsom, a 51-year Obsidian member as well as Bus Committee member, to be disbursed evenly between the lodge remodel debt and the Endowment Fund.

Extended Trips (Jim Duncan): Received Board APPROVAL for additional committee member Jim Pierce.

Publication: Still seeking a chair.

Entertainment (Laurie Funkhouser): Bill Sullivan's presentation was a success with approximately 112 attendees and fees of \$98.00. The next program is Kevin McManigal's logistics and rewards of traveling to Churchill, Manitoba to see polar bears to be presented Friday, February 22nd.

Science and Education (Joella Ewing): The January program – "From Mountains to Meadowlarks" – was attended by 24 people with \$24.16 fees collected. Programs scheduled at this time: 2/19 – "Birds, Bergs, and Beauty" by Jim Maloney; 3/18 "Implications of the BLM Western Oregon Plan Revision" by Josh Laughlin.

Membership (Julie Dorland): Current membership is 545. The Board APPROVED three membership applications and one reinstatement.

Publicity (Anne Dhu McLucas): The 2008 Winterfest on was a success. See story Page 14. The event was not attended as well as other times. Publicity borrowed a display board which prompted ordering our own display board and accessories for use in the future.

Concessions (Kathleen Floyd): Total sales for the month were \$26.00 with no expenses.

Finance (Stewart Hoeg): No report. Asked that revenues and expenses be e-mailed prior to the Board meeting to

expedite preparation of checks and financial reports. The committee will be scheduling a meeting soon.

Library/Historian (Lenore McManigal): This month the activities count Was completed and updated trip logs are available on-line. All reports have been recorded. Two copies of *Forever on the Mountain*, one of which was donated by Janet Jacobsen, have been added to the lodge library and Janet Jacobsen is developing a checkout form.

Lodge Building (Brian Hamilton): A combined Building and Ground cleanup party on January 19th was attended by 23 volunteers! The lodge was rented by Renaissance music group which netted \$100. The Board APPROVED committee members: Doug Nelson, Effie Neth, Mary Hamilton and Brian Hamilton.

Lodge Grounds (John Jacobsen): Reiterated the success of the January 19th combined work-party. Pat Adams is working on the oak habitat restoration project by thinning spindly oaks. Reminder regarding snapping the gate lock cover has been successful!

Safety (Doug Nelson): The Board APPROVED committee members: Barb Revere, Glen Svendsen, Verna Kocken, Larry Huff, Wayne Deeter, John Jacobsen and Doug Nelson. The Eugene Mountain Rescue will be providing instructions for classes in first aid and map and compass with the dates TBA.

AD HOC COMMITTEE

Olympic Trials (Marshall Kandell): Had a successful meeting on January 10th. The hike schedule is set and news releases have gone out via e-mail. Further news and feature releases are in the planning stages.

After the Olympic Trial report, a general discussion took place regarding the mission of the club and how best to achieve the goals with the opportunity presented by the Olympic Trials events. It was concluded that time needed to be scheduled to further discuss the direction of the club as well as to invite interested members. Therefore, the hour after the next Board meeting – March 5, 2008 – has been set aside for discussion. Please come prepared to share the expense of dinner (pizza).

TRIP REPORTS & OTHER ACTIVITIES



Hikes

Three Mile Lake - Tahkenitch State Park

December 8, 2007

Leader: Becky Lipton

7 miles, 600 ft. (Moderate)

IT WAS A LOVELY DAY, as is often the case while hiking on the coast in December. Our savvy seven even had some opportunity to soak up the sun while eating lunch on the beach. The week's previous storms had created interesting changes in the overall beachscape and drainage pattern of creeks. Surprisingly, there were no trees down from all the windstorms. Members: Ken Augustson, Mari Baldwin, David Becker, Dick Hildreth, Janet Jacobson and Becky Lipton; and nonmember Steve Kelly.

Tahkenitch Dunes

January 1, 2008

Leader: Stewart Hoeg

7 miles, 650 ft. (Moderate)

THE WEATHER was less than ideal in the parking lot at Target on West 11th as people began to gather for our trip to the coast. It was foggy and about 35 degrees. However, about half of the 24 hikers were at least 15 minutes early for our 9:00am departure. We lost six of our potential 30 hikers via cancellation before we began--most due to weather concerns and at least one who called to say she had overslept. We managed to fit everyone

into five cars and headed for the trailhead. Despite the previous day's icy conditions and the still miserable valley weather, the drive was not treacherous and went without a hitch. We arrived at the trailhead with temperatures in the low 40's and high cloudiness. We hiked the route counterclockwise and were only rerouted about 100 feet back on the trail to get down to the beach by the creek for the beachwalk part of the hike. Depending on tides, etc., this hike can now require some major dune bushwhacking to get from the trail down to the beach. We stopped at the "fallen logs" entrance from the beach back into the dunes for lunch. There was no breeze, calm seas, and sunshine breaking through the high clouds.

In recognition of Sheila Ward, who had led New Year's Day hikes for years before passing away this past August, co-leader Dave Becker, Yuan Hopkins and myself (Stewart Hoeg), passed out chocolates to commemorate Sheila's January 1st birthday and her long service, including her New Year's Day hikes. Given the easy drive, excellent weather and the ease with which we were able to get to the beach, it was clear that Sheila was still taking care of us. An excellent time was had by all. Hikers included members Jim and Sharon Duncan, Kathy and Stewart Hoeg, Marshall Kandell, Barb Bruns, Sharon Ritchie, Max Brown, Yuan Hopkins, LaRee Beckley, John Agnew, Jim Pierce, Dave Becker, Walt Dolliver, Barbara Schomaker, Lynne Moody, Brenda Kameenui, Daniele Delaby, Sachiko Iwasaki, Pat Soussan, Jane Allen, Anne-Marie Askew, Mari Baldwin and non-member Charlene Pierce.

Kalapuya Talking Stones

January 2, 2008

Leader: Janet Jacobsen

6 miles, 0 ft. (Easy)

Photo: Barb Revere



That's no talking stone - it's Rick talking.

THE KALAPUYA TALKING STONES were installed in December 2002 in the Whilamut Natural Area of Alton Baker Park. The Whilamut encompasses 237 acres of publicly owned open space linking the neighboring cities of Springfield and Eugene, Oregon. The park includes about three miles of frontage along the north bank of the Willamette River. The 11 "talking stones" were quarried from a basalt deposit in traditional Kalapuya territory and each is inscribed with a Kalapuya word and its English equivalent. Sixteen of us started out in the rain at Alton Baker Park for the 5.5 mile loop walk that took us by the Hays Memorial Tree Garden, Cuthbert Amphitheater, Nearby Nature Native Plant Nursery, Pre's Trail, and Eastgate Woodlands. Rick Ahrens, a guide for Nearby Nature for 15 years, added the interesting bits and pieces to our trip. He was able to pronounce the Kalapuya words and share information about the Kalapuya people who numbered 15,000 at the time of Euro-American contact. He guided us on an obscure path around the Nearby Nature volunteer native plant restoration project and pointed out a camas field that will bloom in May. Without Rick, it would have been just a "brisk" walk past the stones. Hopefully, Rick will lead this hike in the spring when the flowers and birds are in abundance. One appreciates all of the volunteers who make the park such a rich resource for our community. For a map, see:

<http://emc.rio.com/KalapuyaMap.html>.

The names of the stones are:

De-Ha Yaba - Near a camas field



The long thin line at Tahkenitch Dunes. Photo by Jim Pierce

Ga-Ach-Li - Peaceful in daylight
Gaw-Ni - Trail through the woods
Ha-Yaba - Camas field
Hi-Dwa - In a wooded area
Illioo - Joyful
Kanaa - Going across place
Lak-Mi - Near a fish trap
Li-Yuu - Prairie
Wha-Lik - Place by the water
Whilamut - Where the river ripples and runs fast

Hikers were Rick Ahrens, Tom Berkey, Max Brown, Jean Coberly, Walt Dolliver, Dick Hildreth, Sam Houston, Janet Jacobsen, Kurt Koivu, Barb Revere, Julia Richardson, Ruth Romoser, Pat Soussan, Carol Stout, and Lynn Tracy. Nonmembers included Steve Kelly and Tina Schiff, who has recently moved back to Eugene (Tina hiked with our club in 1990).

New Carissa North Bend

January 12, 2008

Leader: Jim Pierce

4 miles, 100 ft. (Easy)

OBSIDIANS CANNOT FIND PACIFIC OCEAN. Well, it seemed that way. Leaving the valley rain behind, the Stalwart Six vainly searched for a route to the New Carissa shipwreck. On the way we explored Horsefall Beach Park, the North Bend sandspit and overlook and Winchester Harbor. As instructed, we drove to the end of the road. Climbing steep dunes and bushwhacking through the dense coastal brush, our way was finally blocked by an inter-dune coastal lake. At one high point we could see the wreck... a mile away in the surf. The Pink Ribbon Brigade stumbled upon several historical ruins from World War II days. Along the way we saw elk, deer, seals and a dozen bird species, including turkeys, wren-tit and bufflehead. The exploratory hike was exciting and fun. We will try again, before this spring when the salvage operations start to cut the New Carissa up for scrap. Next time we will follow the satellite images where the route LOOKS easier. Enjoying "getting lost" were non-member Charlene Pierce and members Max Brown, Margo Fetz, George Jobanek, Nancy Whitfield and leader Jim Pierce.

North Shasta Loop

January 25, 2008

Leader: Ruth Romoser

5 miles, 200 ft. (Moderate)

EIGHT HIKERS really enjoyed a brisk

two-hour hike up North Shasta Loop. There were great views of Eugene and the air was crisp and clear. We also walked down Agate, crossed 30th and strolled through the Masonic Cemetery. Three kitties greeted us on our hike. Hikers on the walk were Obsidians Max Brown, Kathleen Floyd, Dick Hildreth, Sandra Larsen, hike leader Ruth Romoser, Lynne Tracy, Marian West and non-Obsidian member Jennifer Canfield.

Heceta Head Loop

January 26, 2008

Leader: Ann-Marie Askew

6 miles, 800 ft. (Moderate)

Photo: Jan Pawling



On a damp trail to Heceta Head

TEN HIKERS WILLING to chance the weather met at the Target parking lot in a light drizzle that continued throughout the day. Despite the rain, we all enjoyed our hike from Washburne Park along the beach to the Hobbit Trail, then up and down through the Sitka spruce forest to Heceta Head lighthouse where we ate lunch in one of the former kerosene oil storage buildings. Four of us toured the lighthouse, then we all hiked back up and down the rather muddy trail to the Hobbit Trail. We crossed Highway 101 to return via the Valley Trail where we stepped carefully to avoid the numerous newts underfoot.

Not until we climbed back into our vehicles did the rain get serious, and after a stop for coffee and snacks in Florence's Old Town, we drove back to Eugene in heavy rain. The nine Obsidians on the trip included Ann-Marie Askew (leader), David Becker, Walt Dolliver, Julie Dorland, Norma Lockyear, Lynne Moody, Chris Pawling, Sharon Ritchie, and Beth Roy, plus nonmember Mary Arnott.



Snow Shoe Trips

Trapper Creek to PCT

January 19, 2008

Leader: Paul Flashenberg

5 miles, 500 ft. (Moderate)

AFTER LEAVING the overcast in Eugene, we hit sunshine near Oakridge, which lasted the whole day. There was at least six feet of snow on the trail with no previous skiers or snowshoers which made following it a challenge. We missed a sharp right turn shortly after crossing a narrow bridge which led to an extensive detour. With map and compass we headed cross country and luckily came out right at a blue diamond marker. After stopping for lunch we set out again on the trail hoping to make it to the railroad tunnel at the PCT. We lost the trail again and decided to head back. With only a minor detour on the return we happily returned to Shelter Cove Resort for some hot refreshments. Special thanks to Dick and Laurie for navigation and driving. Members: Walt Dolliver, Paul Flashenberg, Laurie Funkhouser, Dick Hildreth, Daphne James, Sue Meyers, Lynne Tracy and Elle Weaver.

Salt Creek Falls

January 19, 2008

Leader: Marianne Camp

4 miles, 500 ft. (Easy)

THE TRIP WAS ORIGINALLY PLANNED to start at the Gold Lake parking lot but REI was having their Winterfest on that day so plans changed. We parked at the Salt Creek winter parking lot that has relocated to a different area. This required a hike back down the road and up to the trail. It was well marked and this group had no difficulty finding their way. We had more snow than I have ever seen on this trail. It was perfect conditions with blue skies and sunshine. We made the loop and returned to the parking lot to find it full of families enjoying the new sledding area. It was fun to watch and a great place for outdoor play for young children. Participants included members Ann-Marie Askew, Marianne Camp, Heather Croson, Jim and Sharon Duncan, Pat Hutchins and Patrice McCaffrey and non-member Donald Burton.



Ski Trips

Marilyn Lakes Loop

December 29, 2007

Leader: Mary Hamilton

5 miles, 200 ft. (Moderate)

THE WEATHER AND SNOW CONDITIONS WERE FAVORABLE as eight cross country skiers made their way to the Gold Lake shelter via Marilyn Lakes Loop Trail. The group began by skiing on the Gold Lake Road for approximately ½-mile, following the Marilyn Lakes Loop Trail to the Gold Lake shelter, then returning on the Gold Lake Road, and crossing Hwy. 58 to the Gold Lake SnoPark. The snow was a little wet at times, but there was plenty of it! The off-road trail, which passes Upper and Lower Marilyn Lakes, makes this trip a little more interesting and challenging as it winds gently down through trees and across a creek. We were fortunate no snow bombs landed on any of us as they fell around us from limbs heavy with fresh snow. The four stronger, more experienced skiers who rotated responsibility in breaking trail were greatly appreciated by those who enjoyed a less strenuous adventure. This allowed the group to stay together and have lunch at the shelter. We left Eugene at 8:00; were on the trail by 10:30; returned to the cars at 2:30 and were back in Eugene at 4:30 in time to see a beautiful double rainbow near Mt. Pisgah. Members: Brian Hamilton, Brenda Kameenui, Carol Petty, Barb Revere, Charlie Van Deusen and Mary Hamilton, leader. Non-members: Chrissy Anderson and Susan Wanser (qualifying trip).

Midnight Lake

December 30, 2007

Leader: Laurie Funkhouser

6 miles, 600 ft. (Moderate)

YAHOO, THE SNOW IS HERE! After a short discussion regarding weather reports, the crew of eleven left South Eugene High School under gray, cloudy 37 degree weather at about 8:10. Met at Dairy Queen in Oakridge to reevaluate the weather conditions – looked okay and headed up. Snow was on the road at the train trestle but well packed and sanded.

Arrived at Gold Lake Nordic area shortly after 10:15. Geared up and off we went! The snow was light, fluffy and deep! Sue Wolling took the task of rebreaking the trail up the road to the PCT trail with the sun flirting with an appearance. The strong legs of Sue, John, Chrissy, Charlie and Susan reached Midnight Lake for lunch and met the rest of us at the Midnight Lake junction. It was a pleasant downhill ride down the road back to the full parking lot. Kurt, frustrated with his skis, had his own adventure of digging out of fluffy, deep snow and opted to exercise his speed skiing skills. Smiles were on all the faces of members Charlie Van Deusen, Susan Wanser, Doug McCarty, Kurt Koivu, Sue Wolling and Laurie Funkhouser, and nonmembers Chrissy Anderson, Teal Greyhavens, John Mahoney, Mary Ann Peterson and Jana Rygas. Thanks for a great trip!

Eagle Creek Rd.

December 30, 2007

Leader: Jim Pierce

3 miles, 200 ft. (Easy)

THE THREAT OF SNOW caused a couple of cancellations... fools! The trip started to Gold Lake, but as the snow got thicker on the roads and in the sky, we bailed at the railroad trestle. Eagle Creek Road is right there and it was perfect: nice snow conditions and only a couple of people who had kindly broken the trail and then were out of sight. There are several trees across the road, or part of the road, so there was some bushwhacking, but not much. The trees covered with new snow were spectacular. Enjoying the great ski day were non-members Charlene Pierce and Joyce Larson along with Leader Jim Pierce.

Maklaks

January 12, 2008

Leader: Lana Lindstrom

6 miles, 300 ft. (Moderate)

Photo: Laurie Funkhouser

WE LUCKED OUT! The forecast was for showers, and in fact, it rained most of the day in the Valley. But we actually saw the sun quite a bit! Moreover, we have a brand new member who is young, very congenial, and loves to break trail; she even checked in with the rest of us several times to be sure we didn't want to take turns! This trail which is on the east



Kurt Koivu doing x-country limbo

side of Odell Lake is little used and we didn't see any other skiers. We did, however, see the remains of a large animal which we thought was an elk - the head (sans meat) was on top of the snow and the rest of the body was barely visible underneath about 10 feet of snow. Two-thirds of the trail is a wide road, but then we turned off onto a little used, much more narrow road. There we encountered large moguls, plus downed trees. Most of us took the circuitous route around the trees, but one person demonstrated his limbo skills and went underneath. Thanks to Laurie for driving and to the group for a great trip. Members: Laurie Funkhouser, Sat Nam Khalsa, Kurt Koivu and Lana Lindstrom. Nonmembers: Chrissy Anderson and Mary Arnott.

Sand Mountain Plateau Loop

January 13, 2008

Leader: Sam Miller

10 miles, 900 ft. (Difficult)

DURING OUR 9.5-MILE JOURNEY to the base of Sand Mountain and return around the north side of Little Nash Crater, our group skied past signs nearly buried by snow. Yes, there's plenty of white stuff in "them thar hills" this year. We started with 12 skiers eager to enjoy a bright sunny day after weeks of valley clouds and rain. After two miles, several members decided to return to the trailhead due to boot and blister issues. We missed their company but understood their decision. The remaining skiers proceeded to our lunch spot on the Sand Mountain plateau where we enjoyed sunshine and views of Sand Mountain, Mt. Jefferson, Three Finger Jack, Mt. Washington, and the Sisters. The final section via a northern exposure presented frequent challenges as the route was uneven and icy. However, everyone exhibited their finest

survival skiing techniques and completed the loop. Participants sharing this spectacular day were Bob Smythe, Sue Wolling, Dick Hildreth, Mari Baldwin, Susan Wanser, Chrissy Anderson, John Couper, Brenda Kameenui, Lubos Hubata-Vacek, leader Sam Miller, and nonmembers Ann Hartheimer and Mike Unsworth.

Rosary Lakes
January 20, 2007
Leader: Sue Wolling
7 miles, 800 Ft. (Moderate)

AFTER A WEEK WITHOUT FRESH SNOW, I was regretting having offered to lead a trip to Rosary Lakes---the worst trail imaginable for icy conditions. But the day before the trip, the forecast changed dramatically. Perhaps it was the predictions of fresh snow that made the Obsidians on my sign-up sheet so flaky: 20 people were on the list at one time or another, and I arrived at SEHS expecting somewhere between 6 and 15 skiers. The 12 of us who showed up carpoled up to Willamette Pass for what turned out to be a beautiful day of skiing in powdery fresh snow that someone else had broken a trail through. Our climb up to the lakes was rewarded by a brisk slide back down through the forest that left most of the trees standing, even if the skiers were not. Members: Chrissy Anderson, Mari Baldwin, Bea Fontana, Ron Funke, Brian Hamilton, Diane Jeffcott, Clare Tucker and Sue Wolling; nonmembers: David German, Dave Jensen, John Mahoney and Carla Orcutt.

Walker Mountain (Gold Lake)
January 26, 2008
Leader: Kevin McManigal
5 miles, 0 ft. (Easy)

I MET NOBODY at the South Eugene High School parking lot so I drove up the pass and was met with rain and wet snow on top. I decided to ski into Gold Lake due to the snow conditions. The ski into Gold Lake shelter went nicely and I had the trail to myself. I got to the shelter and lit a fire and had a nice lunch watching the snow fall outside the shelter. I gathered my things and skied around the edge of the lake for a bit and hit the trail and headed out. On the way out I met several groups who were more than glad to use the tracks I set on the way in due to the wet heavy snow. Even though the snow was a bit wet I had a very nice ski in the snow.



Family
Fun

Salt Creek Snow Park
January 12, 2008
Leader: Scott Hovis
1 mile, 0 ft. (Easy)

THIS HIKE MET MANY OF THE GOALS the Youth Committee has been trying to do with family-friendly outdoor activities. The word is out! The Forest Service said it was not going to "advertise" the new Salt Creek Snow Park, but when we arrived it was very busy. Unfortunately it was also raining. We elected to drive up to Gold Lake Snow Park, which was for the best because the rain changed into snow. Salt Creek has new "outhouse" style bathrooms; I'd bring your own T.P. The sign off Highway 58 is confusing one mile past the tunnel: it says "closed." However, this is referring to the old restrooms by the falls, not the new snow park. I think kids in grade school would enjoy this area a lot, but teens would probably find the slope not challenging enough. The snowplow has only cleared out a single lane, so be prepared to back up. Participants included member Scott Hovis and nonmembers Aki Bryan, Keiko Bryan, Ken Bryan, Jewon Carp, Kenji Carp, Kiana Carp, Malia Carp and Ted Carp.



Byways
By Bus

Christmas Lights
December 8, 2007
Leader: Bette Hack

WE LEFT EUGENE and drove the short distance to Albany. Here we entered the Cascade Pavillion, where the Christmas Light Storybook Land was held. The building was lavishly decorated with greenery and lights. There were greeters everywhere in costume, and booths depicting every childhood story

book imaginable. Some of the displays were animated. In addition, there was a room where three train sets were running, and another area that contained about 400 teddy bears. As we left this enjoyable experience, we learned that there was to be a parade in Salem. We hurried to Alessandro's, where we planned to have dinner. It was not open, and the street was to be blocked off for the parade. Not wishing to be trapped in the parade traffic, we left for the next planned view of Christmas lights in Kaiser.

Before proceeding on the Christmas Lights route, we had a short break, and Verna Kocken of the Hospitality committee brought out Christmas goodies. The lights display route in Kaiser is marked by snowmen about two feet tall. All of the houses on the blocks had displays of lights of all shapes and sizes and it was very colorful. Again we wished to avoid parade traffic so we took the freeway from Kaiser and went to Applebee's for dinner. We arrived home about 9:30pm. Thanks to Verna Kocken, Liz Reanier, and our driver, John Goddard, who drove us through the Kaiser lights twice. Members: Ethel Allen, Lloyd Bissell, Mary-Lee Cheadle, Sharon Cutsforth, Rosemary Etter, Barbara Flanders, Dennis Flanders, Bette Hack, Dora Harris, Verna Kocken, Barbara Payne, Don Payne, Liz Reanier, Dick Speelman and Janet Speelman; nonmembers: Mervin Kisel, Edith Patten and Carol Voleska.

Trip Logs
Updated On
Website

The trip logs are now current as of January 17th and are posted on the Obsidian website in the members' only area.

The logs can be sorted alphabetically by name, by the number of trips taken, by the number of climbs summited, by the number of bus trips taken or by the grand total of activities participated in.

Lenore McManigal, Historian

The Gold Lake Sno-park Survival Experience

January 13, 2008 - Leader & Photo: Doug McCarty - 6 miles, 200 ft. (Easy)



Laurie Funkhouser heads into the wilderness from Gold Lake Sno-park. Will she survive? Read on....

WE DIDN'T ASK FOR MUCH, just a good day trip in the snow gone wrong. Like Gilligan's ill-fated boat, The Minnow, four intrepid travelers set out on a three-hour tour and found ourselves marooned. The concept was to construct and face a catastrophe in practice mode before it actually existed. The primary goal was NOT necessarily to be prepared for a trip disaster that forced a solo skier to spend a night stuck in the snow (that was the *secondary* goal); the primary goal was to raise our consciousness about how we go about our trips, the dangers we face and just how much we need to be watchful and cautious when venturing into the wilderness, to such an extent that the disaster scenario never arises.

The assignment was simple and handed out on a piece of paper to the four intrepid adventurers (Laurie Funkhouser, Steve and Melissa Billings and leader Doug McCarty):

Taking just our 10 essentials and whatever else we *NORMALLY* take on a day trip, along with a thermos filled with a hot drink, we proceeded into the Odell Lake overlook region near Westview Shelter and then, as individuals, faced this task:

It is late afternoon with only 2 hours of usable light; it is snowing and likely to snow heavier as the night goes on. You have been separated from your group, taken the wrong path, have equipment failure (say, a broken ski), but no injury, AND

you have no reasonable hope of being found/rescued until tomorrow morning. Now, with only the contents of your backpack, you need to improvise a shelter and methodology to make it through the night, which will be approximately 12~13 hours long.

We discovered three important things about snow country survival, a single most important survival technique, and made a list of 6 extremely valuable items to have in case the unthinkable happens.

THE FIRST THING WE FOUND out was that it does not take two hours to construct a shelter. Probably the most comfortable shelter (stomped depression in the snow covered by a tarp anchored by "snow pegs", sleeping pad, heatsheet bivy sack, down jacket with hood) was finished in less than 20 minutes, the others were finished before the first hour was up. So, if you have two hours of usable daylight, you can use the first one trying to make a little more progress back to civilization.

The second thing we discovered was that no matter how comfortable the makeshift shelter, the idea of lying down in the snowy woods was just not appealing, in fact it had more than a little bit of grimness to it. Robert Frost's view of snow and death ("lovely, dark and deep") came to mind, facing the silent woods. Perhaps William Cullen Bryant's view in Thanatopsis, is worth quoting here, since it actually mentions Oregon's woods:

*To him who in the love of Nature holds
Communion with her visible forms*

... When thoughts

Of the last bitter hour come like a blight

Over thy spirit . . .

Take the wings

Of morning, pierce the Barcan wilderness,

Or lose thyself in the continuous woods

Where rolls the Oregon, and hears no sound

...

Thou go...

By an unfaltering trust, approach thy grave

Like one who wraps the drapery of his couch

About him, and lies down to pleasant dreams.

As survivalists, we should of course skip Dylan Thomas' view ("Do not go gentle into that good night . . .") since all the shouting and rage he suggests would sap vital energy for surviving in the woods, although it would make for a dramatic finish. Frost's depressing suicidal woods, Bryant's comfy final lie-down with nature, or Thomas' rage against the dying of the light—these are not happy thoughts.

The third thing we were forced to contemplate is how long a night in the snow would actually be. Our day January 13, 2008, would see a sunset at 4:57 p.m. and would not see the next frozen sunrise until 7:45 a.m. on the 14th, a cool 14 hours 48 minutes in the Willamette Refrigeration District. Paraphrasing Samuel Johnson, "there's nothing like the prospect of sleeping on a

(Continued on page 14)

OBSIDIANS AT ANNUAL REI WINTERFEST

ON SATURDAY, JANUARY 19, five stalwart Obsidians drove to the Gold Lake Snowpark for the annual REI Winterfest event. They hosted the Obsidian table and provided information on Obsidian winter activities. It was a beautiful, if cold, day, and everyone alternated some skiing and snowshoeing activities with minding the table. Thanks from the Publicity committee go to Christine Stockdale, Bob Huntley, Zella Huntley, Anne Dhu McLucas, and Jim Gillette (pictured from right to left).

- Anne Dhu McLucas, Publicity Chair



Gold Lake Survival

(Continued from page 13)

bed of frozen snow for such a time to focus the mind.”

In any event, the executive summary of the most important survival technique on a day trip is laughably simple: plan and monitor the trip carefully to avoid making the 6 or 7 mistakes (late start, poor equipment, no maps, weak participants, etc.) that it takes to lead one to a disaster. In most disasters we know it is never a single mistake but rather a series of mistakes that lead into the abyss. Learn to recognize the series of mistakes before they snowball (pun intended) into a crisis. Turn back well before the attempt to push on to a trip goal endangers more than just a concept.

Finally, in the unhappy event of a disaster, from our hands-on, on-the-spot research, here is the executive summary of the *most valuable items* you would be likely to actually carry in your daypack, in any season:

1. **Some sort of blade with a saw edge.** Steve used his saw blade (Gerber, \$5) to construct a fairly nice horizontal tent support on which to lay his tarp structure. Doug used his saw edge (Swiss army knife, \$20) to harvest tree branches to use as “snow-anchors” (tent pegs) for strapping down his tent fly. Sharp edges are also key for trimming the guy lines that secure your tarp top (see below); teeth and ski edges somehow just won’t cut it (pun intended).
2. **A sleeping pad.** Each of us had one, each loved it. You use this to insulate your 98-degree body from the 32-degree snow pack. You can improvise with a smaller seat pad and backpack and branches, but the full pad is preferable.
3. **A plastic ground cloth or heatsheet.** This item is absolutely key, although the superior device is a 3.5 ounce emer-

gency bivy sack (Adventure Medical Kits) that Doug had; cost: \$13, comfort level: priceless. The emergency bivy sack weighs next to nothing, and gives immediate conservation of warmth to the survivor. Doug climbed into his to check it out and immediately settled down for a longish (45 minutes) winter’s nap on the snow. You could, too.

4. **A jacket and hat combination** to keep torso, arms, neck and head warm. The most effective is a down jacket with hood, which basically becomes one half of a down sleeping bag. You probably have one around the house; it’s worth putting it in a stuff-sack and packing it. Also good were an REI earflap hat, a woolly cap, a fleece beanie, and a crowd favorite (3 out of 4 survivalists agree), the fleece Head Sokz (approximately \$40).
5. **Warm feet.** The removable padded booties from plastic ski boots were excellent at keeping feet warm in the bivy and promised that the morning would not find frozen boots resisting entrance.
6. **A little thermodynamics goes a long way.** It is invaluable to have a little knowledge of thermodynamics as it relates to heat rising and pooling in closed overhead structures (tarp tops), cold falling and pooling inside closed “bucket-like” structures. The upshot: batten down the upside/mountainside of your tarps to a) allow the cold air descending the mountain to continue down and not enter your abode while b) holding onto as much of your body heat/warm air in the warm air canopy, AND dig a cold air drain through the snow at the bottom of your shelter to make sure the cold stuff has an escape route.

We each learned and relearned some things in the trip, and all recommend that day-trippers think long and hard about what they carry and the trips they take. It only takes an exercise like this in the snow to really appreciate a hot shower and flannel sheets on a January evening, safe at home.



Bill Sullivan's "Hiking in Europe" or *The Case of Einstein's Violin*

By Stephen Brander

TREKKER AND AUTHOR BILL SULLIVAN, best known for his hiking and trail guides of the Northwest, drew a large and appreciative crowd to the lodge to take in his perspective and advice on hikes throughout Europe. We got more than we expected. Bill came armed with knowledge and a beautiful slideshow of numerous and diverse hikes and bicycle rides through 10 countries, one of which I'd not heard of (Andorra in the Pyrenees between Spain and France). The slick part was that many of these places, visited by Bill and his family over the past decade, are the settings for scenes into Bill's second work of fiction called, "*The Case of Einstein's*

Violin". While it is lovely to see pictures of the Dolomites or Alps or the Carpathian Mountains, it was a kick to know that Bill had set a novel of intrigue in these places. Having a novel set the context for these hiking adventures just seemed to add a special flavor to the evening.

Bill took us along the beaches and caves of Crete, the nearly unreachable monasteries of Meteora of central Greece, the "5 countries" of the Italian Riviera, Pompeii, and Stromboli Island. Bill also explained the enormous trail system in Europe that spans the continent and has a straight forward numbering system. He also gave tips on what to expect from each of the countries' hut systems. He also shared infor-

mation about cycling in flatter areas such as around Svendborg, Denmark and the town of Stromness in the Orkney Islands of Scotland.

Our thanks to Bill Sullivan, an inspiring and informative friend of all those who enjoy and respect the outdoors, for providing such an interesting talk.

Janet Jacobsen sends along this note: It was a huge crowd for dinner, with the Scherer Room accommodating 10 people and the entry way another 5. For the potluck program all the chairs were used including the rocking chairs, bench, stool, some standing room only, so I estimate 115 attended. The parking attendants Rick Ahrens, Jim Floyd, and Jim Pierce did a good job. There were only one or two parking spaces vacant.

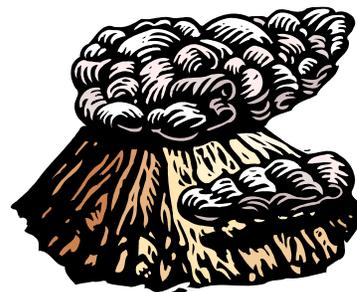


Willamette Valley Clay Linked to Mount Mazama

By Joella Ewing

ACCORDING TO EDUCATION Specialist Liz Myer of the Willamette Resources and Education Network (WREN), a study of the West Eugene Wetlands has tied a two to five foot thick surface soil unit in the West Eugene Wetlands to the eruption of Mount Mazama. The age of sediments, mineralogy and chemistry supports the concept that a dense cloud of fine-grained volcanic ash fell into the valley during one phase of the 200 year long eruption of Mount Mazama that occurred about 7,700 years ago. The samples collected from 19 soil auger borings may unravel the mystery of an anomalous gray clay layer found near the surface throughout the Willamette Valley. They share the same mineralogy, texture, degree of weathering, lack of any soil formation,

and lack of fluvial bedding. The massive clay with no reworking suggests that transport was not by water. The minerals found in West Eugene are also found in the samples taken in other areas around the Willamette Valley. A loose matrix with minerals lacking clay coatings and iron oxide stains indicates the soils are quite young. Also, pollen data indicate a huge change in flora occurring 7,800 years ago. Ms. Myer presented this and other information about the West Eugene Wetlands at a slide show for the January SciEd Tuesday program. She described wetlands as having standing water, supporting hydric plants, and containing hydric soil that holds water to create a vernal pool ecosystem. She noted that while unfortunately there is only one half of one percent of the original wetlands remaining in the Willamette Valley,



Eugene has won national awards for its extraordinary restoration efforts and successes. The Willamette Resources and Education Network (WREN), which Ms. Myer represents, is a partner with the West Eugene Wetlands Project.

Note: This article is a condensation of Ms. Myer's presentation and a synopsis of the study by the principle researchers, Karin Baitis of the Eugene District BLM and James Michael of James Geoenvironmental Services.)

OTHER ORGANIZATIONS' EVENTS



Mt. Pisgah

Lichen Walk

Saturday, Feb. 16, 1-3pm

Rain or shine. \$5; MPA members free. Limit 20.

Mysteries of Trees Walk

Friday, Feb. 22, 10am-noon!

Meet at the Mount Pisgah Arboretum Visitor Center, rain or shine. Limit 20.

Forest Journals: Patterns & Cycles

Saturday, Feb 23, 10am-2pm

This is a great hands-on time for you to start a new journal or add to your journal. This class is geared toward individuals ages 12 and up. Pre-registration required. Fee: \$20/\$15 MPA.

Map & Compass Navigation

Saturday, March 1, 1-5pm

There will be lots of hands-on practice during the class! Fee: \$15/\$10 MPA.

Spring Equinox Wine Tasting Hike

Wednesday, March 19, 6-8pm

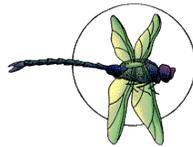
Celebrate the Vernal Equinox and welcome spring with a hike to the top of Mount Pisgah, then sample delicious local wines at the peak! Arboretum staff will lead this hike and discuss the ecology and history of the site. The sun sets at

7:30, so we'll hope for clear skies to observe the sun set due west, and then see if we can really balance a raw egg on one end. Fee: \$5.

Explore Nature with Kids

Do you have a strong sense that kids need to spend more time out in nature? Mount Pisgah Arboretum nature guides take 1800 elementary school students out into the woods every spring, sharing with them the wonders of nature and encouraging them to be good stewards of the earth. Training begins Tuesday, April 8. No experience required. Nature Guides are needed April 21-June 10.

All Events take place at Mount Pisgah Arboretum, 34901 Frank Parrish Rd., Eugene, 97405. Located off I-5 Exit 189, 15 minutes southeast of Eugene. Call (541) 747-1504 for more information or to sign up.



Nearby Nature

Wednesday, March 12, 2008

Love nature? Enjoy kids? Learn all about leading school nature walks in Alton Baker Park this spring as well as other Nearby Nature volunteer opportunities.

No experience needed--free training provided in early April. Meet from 6:30-8 pm in the Tykeson Room at the Eugene Public Library. Questions? Call Nearby Nature at 687-9699, email:

info@nearbynature.org

or see www.nearbynature.org.



FWOC

Wilderness Conference 2008 "Wilderness in a Time of Change"

April 3-5, 2008

The Mountaineers Building
300 Third Ave West
Seattle, Washington

The 2008 Conference "Wilderness in a Time of Change" will include speakers on the impact of climate change on wilderness, why wilderness protection is important now, endangered species preservation and the political realities in Washington, D.C. There also will be programs on building coalitions for wilderness and working with media.

For more information and registration forms, go to the FWOC website:

www.wilderness2008.org

High Cascade Forest Volunteers May 16-18, 2008 Westfir/Oakridge Training Weekend

THE HIGH CASCADE FOREST Volunteers and the Willamette and Deschutes National Forests invite you to attend the annual volunteer training weekend. The sessions offered are designed to train new and returning volunteers. The training weekend offers the opportunity to meet other people who are interested in working to provide quality recreation experiences for forest visitors. There is **no cost** for this training opportunity.

Mission Statement

The mission of the High Cascades Forest Volunteers is to help maintain, restore, and preserve the public lands and resources administrated by the National Forest Service for present and future generations.

Classes include first aid (4 hours) and CPR (2 hours), both taught by Obsidian Lyndell Wilken, training for x-cut certification, brushing, handsaw clearing, trail surveying,

map and compass fundamentals, GPS instruction, wilderness stewardship, historic site stewardship and more.

The weekend is held at the Westridge School in Westfir and participants are invited to tent camp or park their RVs at the school. Social events will be held Friday and Saturday evenings, with a potluck dessert on Friday and a BBQ and Dutch oven dinner hosted by the Emerald Back Country Horsemen of Oregon on Saturday.

It's a great weekend to meet other forest enthusiasts and find out how you can help keep our national forests the way we love them.

You need to register in advance, so call or email Judy Mitchell, Forest Volunteer Coordinator, 225-6319 (w), 461-4239 (h), or hayjudy@comcast.net

If you would like to talk to somebody who has attended two of these weekends, just call Chris Stockdale at 767-3668.

UPCOMING

Barb's Sampler:

Walking (& Snowshoeing & Skiing) In A Winter Wonderland

Sun., Feb. 24 –Circle Lake Trail – X-Ski, moderate. In the Ray Bensen Sno-park, trails of all skill levels circle around a central area crisscrossed with connector trails, giving leaders many choices. Leader Laurie Funkhouser will choose the routes with the best snow, or least wind -- whatever conditions demand -- to hook up with the wide looping Circle Lake Trail. With views of snow-covered lava fields, local buttes and forests, and a possible rest stop at Island Lake Shelter, there is much to spark your interest. Varied terrain and conditions should be expected. Distance makes this trip *moderate*.

Sat., Mar. 1 – Fawn Lake – X-Ski, moderate. Away from the hustle and bustle of Willamette Pass, this area off the southern shore of Odell Lake offers many nice views of Lakeview and Red-top Mountains. Leader Brian Hamilton expects some fine skiing on the trails of this wooded area. Seven miles long, with 800ft elevation gain, the trail loops through forest and open areas from southeast of Odell Lake.

Sun. Mar. 2 –Sweet Creek Falls – Hike, easy. Tumbling in the coastal mountains near Mapleton, Sweet Creek offers a 2.5-mile amble, with almost continuous waterfalls, rapids and cas-

cares. This scenic canyon stays green year round, but spring run-off provides the loudest roar. Catwalks, built out over the creek, provide a “whitewater emersion experience” and you’ll see why this is a favorite of many Obsidians. Led by Jim Pierce.

Sun., Mar. 9 – New Carissa Shipwreck – Hike, easy. An exploratory of sorts, this trip to view the remains of the New Carissa, which ran aground in 1999, will be on Coos Bay’s North Spit. Jim is using satellite images to chart the 4-mile round trip walk, which will be through woods and dunes. Good fitting hiking boots are recommended for walking in sand. The state plans to salvage the wreck this summer, which involves closing off the beach, so this may be your last chance to see this wreck. Four miles and ~100 ft of elevation gain.

Sat., Mar. 15 – Arrowhead Lake – X-Ski, level undeclared. Led by John Cooper, this trip traces part of the Pacific Crest Trail and begins at the Gold Lake Sno-park. Named for its distinctive shape, Arrowhead Lake nestles under a thick blanket of snow this time of year, so look for a small clearing to the south about a mile beyond Mid-

night Lake (another small snow-covered clearing). While gliding through this beautifully forested area, listen for the call of the camp robber (a.k.a. gray jay). This bold bird will come looking for food handouts wherever skiers stop on trails.

Same Day (Mar. 15) –Island Park to Autzen Bridge – Hike, easy. If you aren’t a ski bunny or snowshoe hare, and want exercise and a get together with Obsidian friends, join me on this in-town hike. It’s a flat, four-miler along a lesser-known part of Eugene-Springfield’s river path system. We will walk portions of East Alton Baker Park, Pre’s Trail and Willamut “Talking Stones” Park. Birders might want their binoculars and field guides, as we’ll surely spot a variety of water birds along the Canoe Canal.

Same Day (Mar. 15) – Trestle Creek Falls – Hike, moderate. Keep an eye out for the American dipper on this hike, especially near the falls. These birds like to nest behind falls and fly low over fast moving water. The trail winds along the creek, sometimes steeply, in a deep green fern-covered forest. Leader Ann-Marie Askew says the trail may be snowy or muddy.

By Ways By Bus Rally

THE ANNUAL By Ways by Bus Rally will be held at the lodge on Sunday, February 24, at 1:00 P.M. Registration for the 13 trips scheduled for 2008 will begin. Some trips require down payments.

Following is our first trip led by Mary Ellen West.

March 27th - “Newly Discovered Cottage Grove” - We will visit both the new and old Cottage Grove. New is the rejuvenated Village Green and

the surrounding gardens. Cindy, their designer-gardener, will lead our tour. We will stay at this resort for lunch, (at your cost) Our afternoon schedule will include a visit to the Territorial Seed Co., plus a guided tour of historic Cottage Grove, with a stop at the 1886 A.D. Dr. Snapp House. As usual, we depart Shopko at 8am, traveling back roads around Fern Ridge and Territorial Road, with our coffee-pastry stop at *Our Daily Bread* in Veneta (included).

Reminder

IN CASE YOU are missing regular Obsidian hikes, or are afraid you've gotten out of shape over the winter, the Monday Morning Irregulars are still meeting regularly to do the Mt. Pisgah summit trail. We meet in the main parking lot near the map kiosk and leave at 8:00 AM sharp. No signup, no dollar and no waiting --for anyone.

AT THE LODGE



POTLUCK

Friday, February 22:

Lions & Tigers & No wait... I mean Polar Bears! Where?

JOIN US ON **FRIDAY**, February 22, 2008 to find out! Obsidian, Kevin McManigal will be sharing his secrets on traveling to Churchill, Manitoba, to view the polar bears and other delights. In addition to showing slides, Kevin will give logistical pointers for travelers.

Kevin and his wife Margaret first traveled to Churchill in 1992. They returned again in late 2007, along with their children, Kelly and Daniel to see the polar bears that, as Kevin says, may not be there much longer due to global warming.



Friday, February 22, 2008

Obsidian Lodge

Potluck, 6:30 p.m. Program, 7:30 p.m.

Bring your favorite potluck dish to share...along with your own plates, utensils and cups...plus \$1 to help cover club expenses. Parking at the lodge can be crowded. Please consider carpooling.



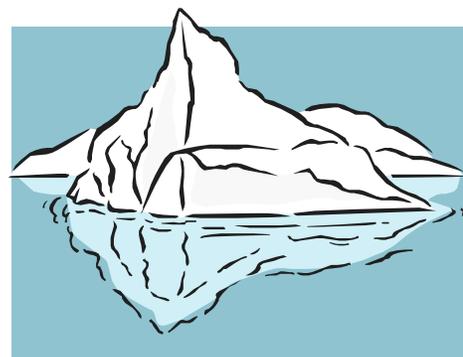
SciEd Tuesday, February 19:

"Birds, Bergs, and Beauty" Alaska's Copper River & Prince William Sound

IN THE SPRING OF 2005, Jim and Charlotte Maloney spent two weeks taking in the beauty and grandeur of the Copper River Delta and Prince William Sound in Alaska. They participated in the Copper River Shorebird Festival and then spent eight days cruising, hiking, and birding the waters and islands of the Sound. They will share their images of birds, glaciers, icebergs, whales, plants, and other scenic beauty.

You may remember Jim's SciEd program last spring on wind power. Until his retirement at the end of January, he served as EWEB's alternative energy specialist. In his retirement, Jim is joining the ranks of OSU students as he pursues a degree in his first educational passion, biology.

JOIN US ON TUESDAY, February 19 2008, 7:00PM, at the lodge.





Trail Maintenance Needs Your Help

THE NEXT TRAIL MAINTENANCE outing is Saturday, February 23rd, at 9:00 AM. We'll meet at the Amazon Headwaters Canyon Drive Trailhead off of Martin Street. Because of the January trail maintenance cancellation, there will be lots of work to do. Lorna Baldwin, the Volunteer in Parks coordinator, estimates that there will be 400 plants that need a "home." Please park on Amazon or the street before Canyon Drive so as not to block residents' parking. Call Peter Green at 541-510-1151 with any questions.

- Peter Green, Trail Maintenance Chair

What Do You Think?

PAST PRESIDENTS, COMMITTEE CHAIRS, and other interested Obsidians are invited to attend a planning meeting immediately following the March 5 Board Meeting to discuss the goals and objectives of the Obsidians Publicity Committee. How large should the Obsidians grow? How big is too big? These are some of the questions we want to address. We'll all share in the cost of pizza to be served during the meeting. Please RSVP to Brian Hamilton or Marshall Kandell if interested in attending. If you have opinions you want shared, but choose not to attend the meeting, you can send those to Brian or Marshall.

- Brian Hamilton, Obsidian Board President

Time to Get Your Togas Fitted!

ONE OF THE MORE UNUSUAL hikes the Obsidians are offering to visitors to the Olympic Trials and Bach Festival will be the togas optional "Animal House" stroll led by Dick Hildreth and Sam Miller on the final morning of the trials.

The two leaders are deep into serious (hah!) research on the film, determining which scenes were actually filmed on sites that can be included in the tour and memorizing key lines from the deep drama.

To be sure the out-of-towners get their best performance, Dick and Sam will be scheduling an "exploratory hike" -- a dress rehearsal on a date yet to be determined. Club members will be invited to sign up for the practice hike, so keep an eye out for the announcement and sign-up sheet.

But, remember, this will be a dry run. So, leave your kegs at home.

Camp Hamilton Reminder

IF YOU ARE THINKING about going to Camp Hamilton (Summer Camp 2008), there are a couple of items to plan on soon. First, the registration form will be sent out next month with the March Bulletin and secondly, registrations will be accepted at the Camp Hamilton Rally (March 28th Potluck).

Obsidian Calendar

February

19 Tues - **Birds, Bergs & Beauty** SciEd Tuesday
22 Fri - **Polar Bears in Manitoba** - K McManigal **Potluck**
23 Sat - **Trail Maintenance** - P Greene 510-1151
24 Sun - **Circle Lake Trail, X-Ski** 7.5m M, Funkhouser. 206-2303

March

1 Sat - **Fawn Lake, X-Ski** 6.8m 1000' M, B.Hamilton ... 343-6550
2 Sun - **Sweet Creek Gorge**, 2.5m 150' E, J.Pierce..... 344-1775
8 Sat - **Robinson Lake Road, X-Ski** 10m M, B.Johnson 746-1513
9 Sun - **New Carissa**, 4m 100' E, J.Pierce 344-1775
15 Sat - **Arrowhead Lake, X-Ski**, J.Cooper 344-8517
15 Sat - **Island Park to Autzen Bridge**, 5m E, Revere... 726-4989
15 Sat - **Trestle Creek Falls**, 3.5m 1000' M, A.Askew... 687-1659
16 Sun - **Alton Baker Bike Trail**, 5m E, R.Romoser..... 726-8154
16 Sun - **Southwest Hills of Eugene**, 4m E, J.Ledet..... 683-2603
18 Tue - **Cascadia Wildlands** **SciEd Tuesday**
18 Thu - **McKenzie River trail**, 8m 400' M, B.Revere ... 726-4989
20 Thu - **Lils Lake, X-Ski** 11.5m 1400' D, W.Deeter..... 942-0824
28 Fri - **Summer Camp Rally** **Potluck**
29 Sat - **Sand Mountain, X-Ski** 10m 1000' D, Johnson .. 746-1513

SciEd Program Calendar March - June

PLEASE MARK YOUR CALENDAR now for the upcoming SciEd Tuesday programs, because there is no guarantee your Bulletin will arrive before each of the monthly offerings. SciEd programs all begin at 7 p.m. at the lodge.

March 18 - Josh Laughlin, Conservation Director of the Cascadia Wildlands Project, will provide a slide show to help us understand the BLM Western Oregon Plan Revision and its implications for old growth forests, waterways, and species in western Oregon.

April 15 - Bruce Klepinger, president of IBEX Expeditions, will show slides on "Trekking in the Himalayas and Trans-Himalayas". He says people will be surprised to learn how the traditional, colonial definition of trekking differs from our current concept.

May 20 - Charlie Quinn, Associate Director of Development for the Nature Conservancy in Eugene Willow Creek Preserve will present a slide show entitled "Nature Conservancy Projects in the Southern Willamette Valley". He will include information about the Willow Creek and Coburg Ridge Preserve and update us on the Wildish property acquisition efforts.

June 17 - Adam Mims, facilities director with the Opal Creek Ancient Forest Center, will discuss, with slides, the 15 different species of salamanders and frogs nurtured by the preserve's forest of Douglas firs, western hemlocks, and red cedars just west of Salem. He will also provide information about the Center's education programs and the historic lodge at Jawbone Flats within the preserve that houses participants during multi-day workshops.

Joella Ewing, Sci Ed Chair



Brian Hamilton goes into the deep stuff to pass Mary Hamilton on the Marilyn Lakes Trail. Photo by Barb Revere



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