



# Newsletter

*Stonefly Maidens Women's Fly Fishing Club*

## Newberry Crater Trivia

**USDA Forest Service ([www.fs.fed.us](http://www.fs.fed.us))**

### East Lake

- East Lake has no surface outlet and acts like a giant rain gauge for the indication of climate. Within the 20th century the level of East Lake has fluctuated over a range of about 16 feet, from 6,366 to 6382.5 feet elevation.
- The first small bath house was built at East Lake hot springs in 1915. The first resort with overnight facilities was built in 1918 and burned in Nov. 1923. Another resort was built in 1924 and it burned in Nov. 1941. In the 1920's there was a flourishing business at the hot springs. Patrons came from all over the country to bask in the warm (120 degree), soothing, medicinal waters.
- The East Lake Hot Springs are drowned hot springs which emerge in the cold water of East Lake. The highest measured temperature is 175 degrees F. Gas bubbles smell of hydrogen sulfide (rotten eggs).
- In 1990, the Oregon Department of

Fish and Wildlife stocked Atlantic salmon for the first time in East Lake.

- The bald eagle nesting pair at East Lake is the highest-elevation active bald eagle nest site in Oregon.

### Paulina Lake

- The Paulina Lake Resort was built in the late 1920's.
- The Paulina Lake Guard Station is on the National Register of Historic Places. The Guard Station was built in the early 1930's by the CCC's. It is now the home of the Paulina Visitor Center.
- The old hand pump well (no longer works) at camp site 49 in Little Crater Campground produced water at a temperature of 86 to 97 degrees F., while most other wells in Newberry Crater produce water at temperatures of 36 to 50 degrees F.
- Did you know that Paulina Lake "turns over periodically." There is an upwelling which pushes water from

### Meeting Information

- August 11, 2004,  
6:00 pm Social Hour  
7:00 pm Business Meeting and Speaker
- Iron Horse Restaurant  
6034 SE Milwaukie Ave  
Portland, Oregon  
(503) 232-1826
- Speaker: Marc Williamson  
Oregon Council FFF  
Fly Fishing the Cascades

## This Month with the Stonefly Maidens

This month's presenter is Marc Williamson. Marc is the Vice President of Education for the Oregon Council, Federation of Fly Fishers. His presentation is on fly fishing the Cascades from Mt. Hood to Bachelor. It will lakes and a lot more.

This month's fish-a-long is August 14 & 15, 2004, at East Lake. This is a family outing. We will be camping at the Cinder Hill campground. There is an entrance fee to get into Newberry Crater unless you have a NW

Forest Pass. There is also a camping fee. East Lake Resort and Pauline Lake Resort have cabins, and East Lake Resort has an RV Park. Call either resort to find out availability. Marc will give us an idea about the best flies to use. I am partial to callibaetis mayfly nymphs, emergers and dries. Damselflies and dragonflies are also prevalent. Woolly buggers and leech patterns also work.

Come to the meeting to find out all the particulars for the trip.

## Fly Lines

I'm back from my vacation. I had a great time in Mexico, but it is nice to be back home. Saltwater fishing is fun and challenging, but I really enjoy the fishing around home.

I heard that the gals that went on the Umpqua trip had some great adventures with the gals from Women on the Fly. We have been invited to join them in sponsoring future Casting for Recovery events. This is a good opportunity for club members to help other women learn about fly fishing.

About eight of us went to Merrill Lake at the end of July. We didn't catch very many fish, but we did get to see the phenomenon that is a hexagenia hatch. There were fish splashing all over the place going after these 2 inch mayflies. I'm looking forward to going again next year.

East Lake will be fun. This is one of my favorite places to fish. There will be some great

## Tilda Runner

dry fly fishing along the beach in the evening. The day time fishing is just as good. East Lake is stocked with rainbows, browns, Atlantic salmon and kokanee. I have also heard there are some brook trout.

September's trip to the Steens will be a great time to learn about a part of the state that many of us don't get to fish very often because of the distance. It is also a good opportunity to spend some quality time with members of the club. Hope you can go.

Check out the websites of the fly fishing shops that support our club. Many of them have special events and classes this summer that you might find interesting. Go to the Links page on the Stonefly Maidens website ([www.stoneflymaidens.org](http://www.stoneflymaidens.org)) for links to the shops that support us. This is a good way to thank them.



## Goings On

### Oregon FFF Events

September 17-19, 2004 Casting for Recovery – Big K Guest Ranch, Elkton, OR

### BOW



BOW Workshop, August 21, Klamath Falls Sportsmen's Park, Klamath Falls, OR

Fly Fishing for Trout, July 10, Beaver Creek Reservoir near LaGrande, OR

Fly Casting Clinic, August 7, The Riffle Fly Shop, Madras, OR

Horse and Mule Packing, August 13-15, Eagle Cap Wilderness

Rod Building Workshop, August 28, Halfway, OR

Steens Mountain Backcountry Adventure, September 1-12, Frenchglen, OR

A Day at the Range, September 18, Emerald Empire Gun Club, Eugene, OR

Fly Fishing the Crooked River, October 16, Cobble Rock Campground, Prineville, OR

Fly Fishing for Steelhead, October 30, Valley of the Rogue State Park near Grants Pass, OR

Rod Building Workshop, December 4, Suttle Lake Church Camp, Sisters, OR

Native American Basket Weaving, December 4, Suttle Lake Church Camp, Sisters, OR

Information on 2004 workshops is available at [www.dfw.state.or.us/outdoor\\_skills/bow.html](http://www.dfw.state.or.us/outdoor_skills/bow.html). If you would like to put your name on the mailing list to receive registration materials, please contact Nancy Smogor, Becoming an Outdoors-Woman Program Coordinator, at (503) 947-6016 or [nancy.e.smogor@state.or.us](mailto:nancy.e.smogor@state.or.us).

## ***Newberry Crater Trivia***

the bottom of the lake to the surface, creating changes in oxygenation and fish feeding patterns. Only a few lakes in North America do this.

- Paulina Creek Falls continues to change. In the mid 1980's another large block of rock fell. Thousands of years from now the falls will be at Paulina Lake causing the lake level to drop 20 or more feet.

## **Newberry Volcano**

- Newberry Volcano is not an extinct volcano. It will erupt again both passively (lava flows) and explosively (ash and pumice).
- Newberry Volcano is a large shield-shaped composite volcano approximately 25 miles in diameter and covers 500 square miles. It is made up of ash, pumice, lava, cinders and mudflows and contains about 100 cubic miles of volcanic material.
- The age of volcanic deposits on Newberry Volcano ranges from 700,000 to 1,300 years ago. The youngest feature is the Big Obsidian Flow (1,300 years old, about 650 A.D.) which is the youngest dated volcanic feature in central Oregon.
- The average elevation of the base of Newberry Volcano is 4,400 feet. The highest point is Paulina Peak at 7,984 feet.
- The slopes of Newberry Volcano are covered with about 400 cinder cones. Lava Butte and Mokst Butte within the Monument are two excellent examples.
- At the summit of Newberry Volcano is Newberry Crater which is about 4 miles in diameter and covers about 17 square miles.
- Newberry Crater is a caldera formed from several enormous violent eruptions of ash and pumice. The summit of Newberry Volcano collapse during a series of eruptions over a period of a half million years. By contrast the top of Mt. Mazama (Crater Lake) collapsed in one vast eruption.
- John Strong Newberry (1822-1892) grew up in Ohio, but came to know much of the geology and botany of the West.
- In 1903 Dr. I.C. Russell examined central Oregon for the U.S. Geological Survey and attempted to use the name Mount Newberry for the Paulina Mountains and Paulina Peak. Dr. John Strong Newberry was a geologist with the Pacific Railroad Surveys in 1855 when they surveyed the central Oregon area. The name Mount Newberry never

found acceptance but the caldera at the summit has become known as Newberry Crater.

- In 1919 Professor W.O. Crosby studied the area around Benham Falls for a proposed reservoir site. In his report on the area he stated, "We feel that Newberry Crater is comparable in scenic and geologic interest with Crater Lake and recommend its designation as a national park or monument."
- The first detailed study of the geology of Newberry Volcano was published in 1935 by Dr. Howel William.
- In 1940 Dr. R.L. Nichols of Tufts College proposed including the Lava Cast Forest, Lava Butte, and the Lava River Caves as part of a national park on Newberry.
- The Lunar Geological Field Conference was held in Bend during August 1965. One of the major field trips during this conference was to Newberry Volcano.
- The Andesite Conference was held in Eugene and Bend during July 1968. One of the major field trips during this conference was to Newberry Volcano.
- The 1979 Pacific Northwest American Geophysical Union meeting was held in Bend during September 1979. One of the major field trips during this conference was to Newberry Volcano.
- The 2000 Friends of the Pleistocene Field Trip was held on Newberry during September 2000. Three days of field trips with more than 180 participants.

*You can find more information about Newberry Crater and East Lake at [www.fs.fed.us/r6/centraloregon/newberrynvm](http://www.fs.fed.us/r6/centraloregon/newberrynvm).*



*View from east rim of Newberry Caldera of East Lake and Central Pumice Cone. Cascade crest in distance.*



*Our mission is to create opportunities, encourage, educate, and mentor women's participation in the sport of fly fishing.*

*Our goal is to bring women together who share a love of fly fishing and the beauty of nature to create friendships and lasting memories.*

*Stonefly Maidens Women's Fly Fishing Club*

### **An Oregon Council-Federation of Fly Fishers Member Club**

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## **Calendar**

Date	Meeting	Fish-a-long Date	Location
August 11	Marc Williamson Fly Fishing the Cascades	August 14 & 15	East Lake (trout etc.)
September 8	Judith O'Keefe Float Tubing	September 17-20	Steens Outing; Donner & Blitzen River, Mann Lake; Krumbo Res. <u>women only</u>
October 13	Pete Pripke Sea-run Cutthroats	October 16	Nehalem River (sea run cutthroat trout) <u>women only</u>
November 10	Members Roundtable, Equipment Swap	None scheduled	
December 8	Christmas Party	None scheduled	