

**Return Bulletins to:
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**Dusty Rocks
July
2017**



**ROCK AND ARROWHEAD CLUB
P.O. BOX 1803
KLAMATH FALLS, OR 97601
www.klamathrockclub.org**

OFFICERS & EXECUTIVE BOARD

President: Laura Limb, 541-273-7503, 1528 Dayton St., Klamath Falls, 97603

Vice President: Kristin Sayles, 541-539-1452, 11575 Spring Lake Rd., Klamath Falls, 97603

Secretary/recorder: Cheryl Lee, 503-867-4112, 2226 Applegate Ave., Klamath Falls, 90601

Treasurer: Vacant

NFMS Director: Kathi Milem, 541-892-7371, 4045 Altamont, Klamath Falls, 97603

NMFS Delegate: Alyssa Carnes

Past President: Allen Hart

Member at Large: Marvin Stump

Club mailing address:

P.O. Box 1803, Klamath Falls, Ore., 97601
www.klamathrockclub.org
nicee1214@gmail.com

Rock and Arrowhead Club meetings are held at the Klamath County Museum Meeting Room @ Main and Spring Street, using the **West** entrance. Meetings are held on the 2nd Monday of each month at 7 p.m., with the exception of December when we have our Christmas Luncheon and Party and after the March show.

Visitors are cordially invited: Dues are \$13.50 per year, per adult, and \$7.50 for ages 16-18. Families can join for \$25, plus \$1 per child.

General club objectives: To promote popular interest, knowledge and understanding in earth sciences, such as geology, mineralogy, paleontology, lapidary, and other related subjects.

To sponsor and provide means of coordinating the work and efforts of all persons interested therein.

Helping others: The club participates in the NFMS stamp program, saving large commemoratives, airmail, pre-canceled, and foreign stamps of all values. Proceeds from stamp sales will be used to benefit any charity deemed worthy by the NFMS Endowment Fund.

Committee Chairs

- Sunshine Chris Chance
- Program Doris Newnham
- Greeter/Door prize
- Refreshment Chris Chance
- Historian Don Perryman
- Librarian
- Claims Rep Garwin Carlson
- Field Trips Marv Stump
- Black light display Marshall Curran
- Show Chair Garwin Carlson
- Asst Show Chair Marvin Stump
- Safety Officer Jeff Eastburn
- Webmaster Denise Sebastian

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THE NORTHWEST NEWSLETTER is published 11 times a year.

Copies are sent to each member's household. The cost is included in your annual dues.

Two free copies of the **AFMS NEWSLETTER** are mailed to each member club.

Subscriptions are available at \$3.50 for 9 issues. Send payment to:

American Federation of Mineralogical Societies
PO Box 26523, Oklahoma City, OK, 73126

We are affiliated with

- ▶ Northwest Federation of Mineralogical Societies
- ▶ American Federation of Mineralogical Societies

Newsletter Editor

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Visit us at www.klamathrockclub.org

Please e-mail nicee1214@gmail.com to get on our e-mail list.

Reference to use of arrowheads within our club is limited to flint napping activities during workshops, annual shows, and personal creations. No gathering of arrowheads on field trips is authorized or suggested by any club member.



DUSTY ROCKS

~ Rock and Arrowhead Club ~ Klamath Falls, Oregon ~



From the President

Fellow Rockhounds,

I can hardly believe it is July already. Seems like we were just planning the next year of field trips a year ago. I hope you have had the opportunity to spend time out collecting rocks. A reminder if you happen to find a few large rocks for the auction table we would appreciate the donation.

It has been a rough go for some of our members in regards to illness and death. Please keep Kathi Milem, Larry Philips, Chris & Sam Chance, Alyssa Carnes, Chuck Newnham, Gene Newnham and their families in your prayers. The events of late have made me think more and more of the knowledge that our club members have and the time is short for passing that knowledge on. Ask our elder club members about their craft and gain as much knowledge as they can give.

Please send in to our editor, Lacey Jarrell, any pictures and stories from your adventures this summer. We would all love to hear about where you went and what you did or did not find.

Be safe on the 4th of July, thank a Veteran and rock on!!!

Your president,
Laura Limb

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Next meeting: July 10, 2017

Refreshments: Bob and Barbara Massey



General Meeting Minutes for June 12, 2017, 7 p.m. Location: Elmer's Restaurant

The meeting was called to order by President Laura Limb at 7 p.m., followed by the salute to the flag.

Birthday greetings to all born the month of June.

36 Members in attendance. No door prizes were drawn.

Welcome to guests: No guests.

Review of the minutes: It was moved by Barbara Massey and seconded by Garwin Carlson to accept the minutes as posted in the newsletter. Motion carried.

Treasurer's Report: Report was given by Leah Stump. Robert Stoope volunteered to be treasurer. Don Perryman moved and Marvin Stump seconded the motion for Robert to be the treasurer. Motion carried.

Northwestern Federation (NWF) Report: Kathi Milem had a good but long trip to the May 19 annual meeting at Hamilton, MT. Presented NWF Book & Committee reports. There will be a \$1 one-time reduction in dues. Next year's annual meeting will be April 27-29, 2018, in Yakima, WA.

Sunshine Report: Chris Chance – Laura reported that Kristen Sayles' mom had passed away, also that Mike Milem had passed away — card to be sent. Larry Phillips is home and improving.

Webmaster Report: Denise Sebastian – nothing new to report.

Newsletter: Lacey Jarrell not in attendance. Keep those pictures and articles coming in.

Club member field trips: Robert Stoope went to the Reno Rock & Mineral Show. They had four rows of cases. Met several people who gave favorable comments on RAC's rock show. Robert felt that the Reno Show's kids' corner and wheel of fortune was not as well done as RAC's. Ken and Marolyn Davis, Marv and Leah Stump attended the Lakeview rock show, which had a very low attendance of 180.

Club Field Trips: Marvin Stump - There will be no yadenite field trip this year.

Hampton Butte trip for petrified wood: 11 in attendance. Productive digging trip. Rick and Juliet brought in samples to show.

June 17-18: Rye Patch Reservoir, NV – With Prospector's Club for quartz, agate, jasper, tungsten, possibly turquoise and metal detecting for gold. Two campgrounds at end of reservoir. Meet at Humboldt River Ranch Saturday at 8 a.m.

June 23-25: Plush sunstone claim. Sunscreen, polarized sunglasses, and lots of water advised.

July 14-16: Lassen Creek/Davis Creek, CA – obsidian

August 11-13: Virgin Valley, NV – opals

September: (pending) Tuledad – agate

Sept/Oct date pending Potential gold panning at Beaver Creek in California. Needs to be coordinated with Prospector's Club.

Oregon Rock Shows:

Sisters, Ore., June 30-July 4: Sisters Round Up of Gems at Creekside Park.

North Bend, Ore., August 4-6: Annual show. Far West Lapidary and Gem Society at the North Bend Community Center, 2222 Broadway. Friday and Saturday 10 a.m. to 5 p.m.; Sunday 10 a.m. to 4 p.m. Adults \$1, Children under 12 free get in free.

August 26-27: Ashland, OR. Annual show; Scott Blair, First United Methodist Church; 175 North Main Street, Wesley Hall; Sat. 10-5, Sun. noon to 5 p.m. Admission \$2. Children get in free.

September 1-4: Canby, OR. Show and sale. Sari Trevarthen, Clackamas County Event Center, 694 NE 4th Ave. Daily 9 a.m. to 5 p.m. Free Admission.

Old Business: None.

New Business: None.

Program: Garwin Carlson demonstrated how he made up the case favors. He is looking for volunteers to help make the case favors for 2018.

Next meeting: July 10, 2017 at 7 p.m. Location TBD as museum is closed for repairs.

Meeting adjourned at 8:15 p.m.

Silent auction was not held.

Refreshments: No evening refreshments due to location change.

Refreshments list for the remainder of the year:

July: Bob and Barbara Massey

August: Denise Sebastian and Dennis Sly

September: Tom and Cheryl Endicott with Jerry and Averil Anderson

October: Brian and Clarisa

November: Laura Limb and Denise Sebastian

December: Christmas Party

Respectfully submitted by,

Cheryl Lee
Recorder



A glassy, translucent stone, Carnelian is an orange-colored variety of Chalcedony, a mineral of the Quartz family. Its color varies from pale pinkish-orange to a deep rusty brown, though it is most known for its brilliant orange and red-orange crystals. Its name comes from a Latin word meaning "flesh."

July birthstone: Ruby

Source: www.americangemsociety.org/en/



Symbolic of passion, protection and prosperity, the ruby has been revered since ancient times.

Rubies have been particularly prized in Asian countries. Records suggest that rubies were traded along China's North Silk Road as early as 200 B.C. Chinese noblemen adorned their armor with rubies because they believed the gem would grant protection. They also buried rubies beneath building foundations to secure good fortune.

Ancient Hindus believed they'd be reborn as emperors if they offered rubies to the god Krishna. In Hindu folklore, the glowing fire within rubies burned so hot that they allegedly boiled water. Greek legends similarly claimed that ruby's warmth could melt wax.

In Burma—a significant ruby source since at least 600 AD—warriors believed that rubies made them invincible. They even implanted rubies into their skin to grant protection in battle.

Many cultures also admired ruby as a symbol of love and passion. Rubies have long been considered the perfect wedding gem.

Though ruby has a long history, it wasn't recognized as a variety of corundum until 1800. Prior to that, red spinel, tourmaline, and garnet were also believed to be ruby. Even the Black Ruby, one of the famed crown jewels of England, was considered one of the largest cut rubies until determined to be spinel.

Imitation ruby dates back as far as Roman times, though it wasn't synthesized until the early 1900s.

Happy Birthday

Ralph Branson
Brett Chase
Carolyn Ford
Richard Ford
Sandi Masterson
Tarin Milem
Sue Neal
Michael Peterson
Brian Wade

Rye Patch Reservoir, Nevada

June 16-19, 2017, joint field trip with Klamath Prospectors

By Cheryl Lee

Twelve hearty souls traversed over the mountains and across the desert to the oasis known at Rye Patch Reservoir to try their luck finding gold with their metal detectors and a crystal source. The Rye Patch Reservoir campground was located below the dam and along the Humboldt River.

Most of the camp sites were nicely shaded by cottonwood and Russian olive trees. There was a variety of wildlife in and around the campground. Turkeys came begging for food and provided an early morning wake up call. The showers tended to be muggy, but it was nice to rinse off the dust and sweat. This campground is a favorite for the locals; many were friendly and shared advise on locations to check out.

Guided by Mike, we headed west and a bit north of the reservoir to spread out and start searching specimens of gold or crystals. For some both of these items were elusive. For others the gold was elusive, but a few crystals were found. Glen Damrow found a fine, but roughed up crystal specimen of approximately 5 inches or so in a wash at the foot of the Majuba Mountains. He was unable to find the source. Many of us came home with quartz yard art.

Sandi and Allen Hart, with myself tagging along, visited Dun Glen, a draw east of the reservoir and highway. The goal was to search for crystals and a few small ones were found along with a few samples of ore bearing rock (we think) in the tailings of an old mine.

It was noted by myself and others that those with ATVs or dirt bikes had an advantage in being able to roam the desert without worrying about staying on the road.

LASSEN CREEK FIELD TRIP FOR OBSIDIAN

July 14, 15, 16, 2017

By Marv Stump

This is really a nice outing for everyone. A lot of fine obsidian can be brought home to work and show off. Obsidian can be obtained in electric blue, pink lady, mahogany, and rainbow colors, and, also, obsidian needles. The electric blue area is about one mile from the campground. The other obsidian areas are quite a way from the campground and you will need to drive to them.

Lassen Creek Campground is a beautiful grassy campground with large pine trees. Lassen Creek flows along its easterly edge with lots of willows along its banks. The campground is approximately 135 miles from Klamath Falls via either Alturas or Lakeview. The road into the campground is approximately 11 miles north of Davis Creek and 7 miles south of the Oregon/California border, on Highway 395. Take County Road #47 (also signed as Forest Service Road #30), easterly from Hwy 395. It is plus or minus five miles into the campground. A few signs with RAC on them will guide you into the campground from Highway 395.

Lassen Creek Campground is a beautiful place to camp and has a pit toilet. The campground is grassy, has big pine trees, and Lassen Creek flows along the easterly edge of the campground and is a good place for kids (and adults) to splash around in. Each vehicle should have a shovel, axe, at least a gallon of water, and if possible a fire extinguisher when traveling on forest roads.

Traditionally, Saturday evening includes a potluck followed by a silent auction. We will need to discuss at the July meeting if we want to continue having the silent auction and potluck or discontinue having them. If we decide to have the silent auction, bring a few rocks (or whatever) to contribute and a few bucks to buy the rocks you can't do without. Proceeds from the auction go to offsetting the costs of sending the club's representatives (Kathy Milem) to the Northwest Federation meetings.

Bring tools for digging, as most of the rock is recovered by sweat labor, except for the needles that are fairly easy to dig. Bring a bucket or two to carry your rocks home in. Good gloves and footwear should

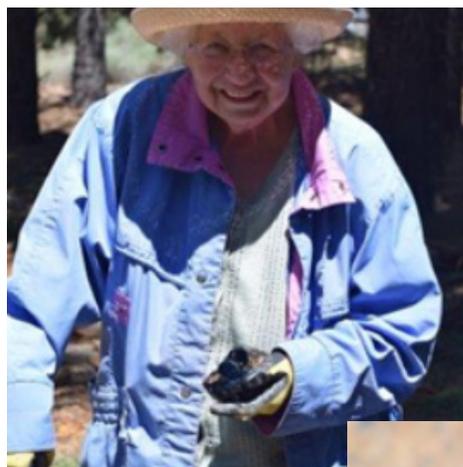
be worn as obsidian can cut fingers, feet, arms, legs, and pet paws (foot wear for pets? Why not!). Tires are often an issue as obsidian is very sharp and can cut a tire. So bring a good spare tire (check to make sure it is inflated) and know how to take the flat tire off and put on the one with air. We had to do this four years ago and then drive into Alturas to have the flat fixed (actually had to buy a new tire). Actually two spare tires is a great thing to have in this area. And bring a good first aid kit.

Davis Creek Store has a fabulous barbecue on Friday evenings starting about 4 p.m., that can certainly be one of the highlights of the weekend. There is plenty of food and it is delicious. Last year we stuffed ourselves with one of the following: tri-tip, beef ribs, or chicken, (or if you prefer for a little more money, you can have all three), and coleslaw and beans.

Permits are required to collect obsidian, they are free, and can be obtained at the Davis Creek Store. Maps of the obsidian sites are attached to the permit.

See Gem Trails of Northern California, specifically Lassen Creek, Fandango Pass, Sugar Hill, and Davis Creek sites for more information.

Lassen Creek 2016



Photos submitted by Marv Stump



HAMPTON BUTTE 2017

Photos submitted by Marv Stump



See the World's Largest Collection of Fluorescent Rocks

And get glowing in this mine's Rainbow Tunnel

Written by Jennifer Billock for
smithsonian.com. Published March
28, 2017.

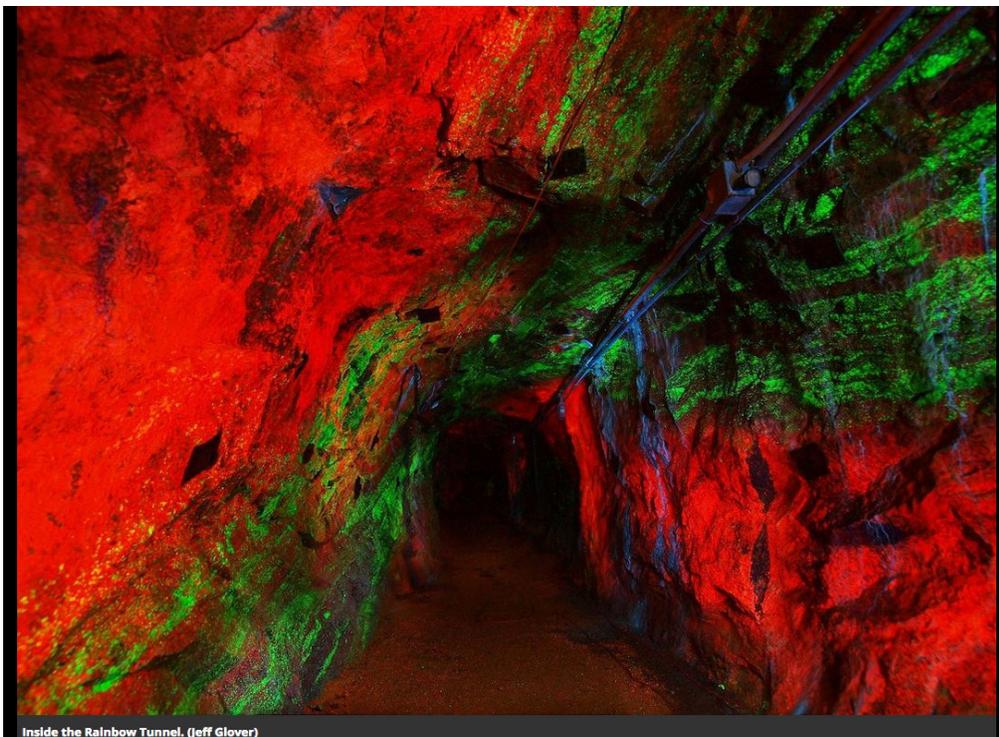
In a New Jersey mine spanning 2,670 vertical feet—more than twice as deep as the Empire State Building is tall—visitors might notice a little glow. Well, a lot of glow, actually. The Sterling Hill Mining Museum is known to have the world's largest publicly displayed collection of fluorescent rocks—ones that beam bright neon colors under certain types of light. The museum is an old zinc mine—one of the oldest in the country, having opened in 1739 and in operation until 1986, during which time it was an important site for hauling out zinc, as well as iron and manganese. The abandoned mine was purchased in 1989 and converted to a museum in 1990, and now welcomes about 40,000 people every year. The museum itself includes both outdoor and indoor mining exhibits, rock and fossil discovery centers, an observatory, an underground mine tour, and the Thomas S. Warren Museum of Fluorescence devoted to the glowing minerals.

The fluorescence museum occupies the mine's old mill, a structure dating to 1916. There's about 1,800 square feet of space, with more than two dozen exhibits—some of which

you can touch and experience on your own. Even the entrance is impressive; more than 100 huge fluorescent mineral specimens cover an entire wall that's lit up by different types of ultraviolet light, displaying the glowing capabilities of each mineral type. For kids, there's a "cave," complete with a fluorescent volcano, a castle, and some glowing wildlife. And there's an exhibit comprised solely of fluorescent rocks and minerals from Greenland. All told, more than 700 objects are on display in the museum.

About 15 percent of minerals fluoresce under blacklight, and they generally don't glow in the daytime. Essentially, ultraviolet light shining on these minerals is absorbed into the rock, where it reacts with chemicals in the material, and excites the electrons in the mineral, thus emitting that energy as an outwardly glow. Different types of ultraviolet light—longwave and shortwave—can produce different colors from the same rock, and based on other materials inside the mineral or cutting through a rock (called activators), it may glow multiple colors.

"A mineral might pick up different activators depending on where it forms, so a specimen from Mexico might fluoresce a different color than one from Arizona, even though it's the same mineral," Jill Pasteris, a professor of earth and planetary sciences at Washington University, told the college's newspaper. "On the other hand, some minerals are just good fluorescers. Calcite, for example, can glow in just about all the fluorescent colors. But, oddly enough, having too much of an activator can prevent fluorescence as well. So an overdose of a generalized activator like manganese can keep a good fluorescer like calcite from lighting up."



Inside the Rainbow Tunnel. (Jeff Glover)



Among the most impressive parts of the mine tour at Sterling Hill is the walk through the Rainbow Tunnel, which ends in an entire fluoresced room called the Rainbow Room. Much of the route is illuminated by ultraviolet light, causing a burst of glowing, neon reds and greens from the exposed zinc ore in the walls. The green color signifies a different type of zinc ore called willemite. The mineral's color can vary wildly in the daylight—everything from the typical chunks of reddish-brown to crystallized and gem-like blues and greens—but it fluoresces bright neon green. When the mine was active, the ore covered the walls throughout, so anyone shining ultraviolet light would have had a similar experience to what occurs in the tunnel today.

FROM MARV:

Todd at the museum, is 95 percent sure that the meeting room at the museum will be available for our regular July meeting. If it is NOT, we will post on the meeting room door where the meeting has been moved too.

SECOND ITEM from Marv:

For several years the Rock & Arrowhead Club has assisted the Klamath County Museum in a field trip looking for Yadenite. The museum has had some problems arranging this field trip, but it is now scheduled for this Saturday July 8, and the club needs club members to help. So if you are interested in finding some Yadenite and helping where possible, please come.

It is scheduled for this Saturday July 8 at 10 a.m. It will be held on 10 acres belonging to the City of Klamath Falls located just southerly of the NEW Call Center. We will meet at the south end of the NEW parking lot, same location we were at three years ago.

To get there, take Dan O'Brian Way just north of the Pilot Travel Center on Highway 97 north, go about 1/4 mile and turn left (north) on New Way (street name). Stay on New Way until you reach the parking lot. Bring a small bag or bucket, small hand tools (we will not be digging holes), drinking water, and wear good shoes. No bathroom facilities are available. This field trip generally lasts about two hours and is fun for the kids (adults too).

For more information, look in the Herald and News Limelighter this Thursday, July 6.

The Grinder

SHOW DATES

Portland, Ore., July 7-9: Wholesale and retail show; Gem Faire Inc, Oregon Convention Center at 777 NE MLK Jr Blvd. Fri. 12-6, Sat. 10-6, Sun. 10-5; Admission \$7. Children free (ages 0-11). Fine jewelry, crystals, gems, beads, gold & silver, minerals & much more at manufacturers' prices. Exhibitors from all over the world will be on site. Jewelry repair & ring sizing while you shop. Free hourly door prizes. Contact Allen Van at 503-252-8300 or by email at info@gemfaire.com. Website: www.gemfaire.com.

Eureka, Calif., July 21-23: Wholesale and retail show. Gem Faire Inc, Redwood Acres Fairgrounds at 3750 Harris St; Fri. 12-6, Sat. 10-6, Sun. 10-5; Admission \$5. Children free (ages 0-11). Fine jewelry, crystals, gems, beads, gold & silver, minerals & much more at manufacturers' prices. Exhibitors from all over the world will be on site. Jewelry repair & ring sizing while you shop. Free hourly door prizes. Contact Allen Van at 503-252-8300 or by email at info@gemfaire.com. Website: www.gemfaire.com.

C-2 HYDRAULICS MAY HAVE O-RING TYPE BELTS FOR SMALL EQUIPMENT (TUMBLERS, TRIM SAWS, ETC.). WE HAVE USED THEM ON GY-ROC TUMBLERS AND THEY WORK GREAT. They are located at 5156 Harlan Drive, between Hope and Homedale. - Marv & Leah Stump

Have an item you don't want anymore?

Having a yard sale next month?

Contact newsletter editor Lacey Jarrell at lacey.jarrell@gmail.com and have your items listed for other club members to see.

