

**Return Bulletins to:
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**Dusty Rocks
October
2015**



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

OFFICERS & EXECUTIVE BOARD

President: Allen Hart 541-884-0935

Vice President: Vacant

Secretary/recorder: Kristin Sayles, 11575
Spring Lake Rd., Klamath Falls, 97603

Treasurer: Denise Sebastian, 541-331-1378,
3423 Altamont, Klamath Falls, 97603

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

NMFS Delegate: Alyssa Carnes

Past President: Laura Limb

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.

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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

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

Lacey Jarrell: 541-401-4652
lacey.jarrell@gmail.com

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

Club Members,

Your presence is requested! This October 12 meeting will give the membership a chance to vote on a change to our bylaws. The requested change makes the title of “Secretary” to that of “Recorder” to more closely match the duties.

In addition to this important happening, it is now time to nominate your officers for next year!

Please consider volunteering for one of our open positions and talk to any of the long-time members for more information.

This is a great opportunity to become more involved with your club!

Positions open include: President
Vice President
Treasurer
Recorder

Sincerely,
Allen



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Next meeting: November 9, 2015, @ 7 p.m.

We will have a special program featuring:
To be announced

August refreshments: Sam & Chris Chance

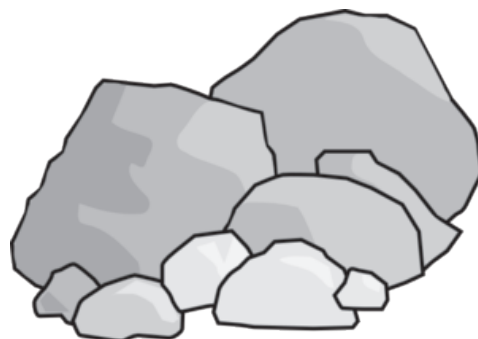


Minutes for the Klamath Rock and Arrowhead Club Meeting, September 14, 2015

1. The meeting was called to order by President Hart at 7:01 p.m.
 2. Flag Salute led by President Hart.
 3. Happy Birthday to September birthdays!
 4. Three door prizes were awarded.
 5. About 23 club members were in attendance.
 6. August meeting minutes. Newsletter had not arrived yet - no motion made.
 7. Treasurer's Report: Balance, deposits and bills paid were reported by Laura Limb. Dues are now due.
 8. Northwest Federation (NWF) Report: Kathi Milem reported their Facebook page is up and running. The August 29-31, 2016, meeting will be held in Albany, Oregon.
 9. Sunshine Report: No news to report.
 10. Bylaws changes: Change the officer name of Secretary to Recorder. It was presented and will be voted on by the membership at the October meeting.
 11. Klamath County Library Display Cases: The club has been asked to fill the glass display cases at the library for the month of October. Chris Chance volunteered to coordinate this with Marshall Curran and Marvin Stump.
 12. Nominating Committee: The nominating committee (Marvin Stump & Tom Endicott) reported the following positions are up for election:
 - President
 - Vice President
 - Secretary/Recorder
 - Treasurer
- If interested in serving in any of these positions, please speak with Marv or Tom.
13. Webmaster Report: Laura Limb reported that she has been working on the website. The membership list is out there, so check to make sure your information is correct.
 14. Newsletter: Lacey Jarrell handed out the newsletters. Thank you to everyone who contributed this month.
 15. Members reported on field trips taken.
 16. Fall Arts & Crafts Fair planning: We will need club members to contribute baked goods to the baked sale held at the Fall Fair this year. We can always use help with fair planning. The next meeting will be held on Thursday, Sept. 17, 2016, at 6 p.m. in the museum meeting room.
 17. Meeting adjourned at 7:41 p.m. by President Hart.
 18. No program this month.
 19. Refreshments provided by Bob & Barbara Massey - thank you! Next month's refreshments to be provided by Sam & Chris Chance.

The next club meeting will be held on Monday, October 12, 2016, at 7 p.m. at the Klamath County Museum's meeting room.

Respectfully Submitted,
Kristin Sayles
Club Recorder



2016 Officers

Marv Stump has come up with the following nominations for the slate of officers for 2016:

President (one-year term): Allan Hart-incumbent
Vice President (one-year term): Tom Endicott-incumbent
Recorder (two-year term): Judy Proctor
Treasurer (one-year term): Marolyn Davis
Federation Director: Kathi Milem

The nominees will be presented at the October meeting and voted on at the November meeting. Elected officers will take office in January.

Agates at The Oregon Coast

There are many good spots along Oregon beaches to find jasper, petrified wood and fossils. Agates are more likely to be found from December to March, especially after storms. Agates come from erosion of cliffs along beaches and rivers where they wash out to the ocean and get polished in the surf over time. In summer, agates on sandy beaches are deep beneath the sand. Winter storms remove sand and expose the agates underneath.

WHERE TO LOOK:

Cannon Beach to Cape Falcon: Access this area by way of Arcadia Beach, Tolovana Beach, Hug Point, Cove Beach, and Short Sand Beach.

Tillamook Bay: Along Bay Ocean Road you can find marine fossils, agate, and jasper.

Netarts and Oceanside: The beach between Netarts and Oceanside has gravel deposits where you can find agate, jasper, sagenite, zeolite, and "Oregon jade" (garnet).

Lincoln City: Here you can find agate, jasper, "Oregon jade," and fossilized coral.

Otter Rock to Newport, Beverly Beach & Moolack Beach: Agate, jasper, petrified wood, and fossilized clam and mollusk shells can be found here. Agate beach is no longer a good place to find agates, they are under many feet of sand.



Beverly Beach is the place to go if fossils are what you dig. During the winter, rocks wash up onto the beach that are loaded with fossil clams and snail shells. Even if the beach is bare, check the creeks along the beach — you can find fossil clam shells the size of your hand embedded in the rocks!

Newport north jetty: Interesting agates can be found here under the bridge.

Waldport Bay: Along the north side of Waldport Bay small but nice agates can be found.

Yachats to Florence: These are some of the best rockhunting beaches in the state because there are four creeks that empty here: the Cummins, Tenmile, Big, and China creeks.

There are several parks that access the beach in this area: Agate Point, Neptune Beach, Stonefield Beach, Roosevelt Beach, and Washburne Beach. Here you can find colorful agates, agates with inclusions, petrified wood, chalcedony, bloodstone, and jasper.

Cape Arago, especially north and south facing inlets trap agates. You can find multicolored flower jasper, banded agate and petrified wood here.

Coos Bay beaches are known for excellent petrified wood specimens.

Seven Devils Wayside has agatized myrtle wood, banded agate, and flower jasper.

IMAGES SUBMITTED BY CHRIS CHANCE:



Crystals from a geode



Agatized -----

The Grinder

SHOW DATES

Hillsboro, Oct. 9-11: 35th Annual Gem and Mineral Show. Portland Regional Gem and Mineral Association, Washington County Fair Complex; 873 NE 34th Avenue; Fri. 10 a.m. to 6 p.m., Sat. 10 a.m. to 6 p.m., Sun. 10 a.m. to 5 p.m. Adults \$5, children 12 and under get in free with paying adult. Forty-plus vendors of fossils, rocks, gems, minerals, tools, jewelry, beads and more. Kids' corner with games & activities. Exhibits of fossils and finished lapidary arts to learn about diversity of rocks and minerals. Speaker presentations from authors of geology, fossils, and rock collecting. More than 10 demonstrations in cutting precious stones, wire wrapping, cabochons, etc. Door prizes, win a bargains at the silent auction. For more information, contact L. Smith, PO Box 5401, Portland, OR 97228; e-mail: Portlandregional.Dealerchair@gmail.com. Website: www.PortlandRegionalGemandMineral.com

Hermiston, Oct. 17-18: Natures Treasures Under Foot Annual Gem and Mineral Show. Hatrockhounds Gem and Mineral Society, Hermiston Conference Center, Highway 395 South; Sat. 10 a.m. to 5 p.m., Sun. 10 a.m. to 4 p.m. Admission for adults, \$3. For more information, contact Mike Filarski at 541-571-2593 or e-mail: stonemorlin1@netscape.net

Canby, Oct. 24-25: 50th Annual Rock and Gem Show. Clackamette Mineral and Gem club, Clackamas County Fairgrounds. 694 NE 4th Avenue. Sat. 9 a.m. to 6 p.m.; Sun. 10 a.m. to 5 p.m. Admission is Free! Kid's corner, silent auction, magazine and rock slab sales, bargain rock by the bucket or the large piece, fluorescent show, demonstrations, raffle and door prizes along with our wonderful dealers. For more information, contact Beth Heesacker, 4145 NW Heesacker Road, Forest Grove, OR 97116 or e-mail: heesacker@coho.net.

Eugene, Nov. 6-8: Wholesale and retail show. Gem Faire Inc, Lane County Events Center, 796 W 13th Ave; Fri. Noon-6 p.m., Sat. 10 a.m. to - 6 p.m., Sun. 10 a.m. to 5 p.m. Students, adults & seniors \$7, Children ages 0-11 get in free. Fine jewelry, precious & semi-precious gemstones, millions of beads, crystals, gold & silver, minerals & much more at manufacturer's prices. Exhibitors from around the world. Jewelry repair & cleaning while you shop. Free hourly door prizes. ; contact Yooy Nelson, (503) 252-8300; e-mail: info@gemfaire.com; website: www.gemfaire.com.

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.





Alice Branson
Jennafer Diedrich
Duane Fitzsimmons

Ed Haas
Walter Jones
Nicole Sergi
Betty Williams

Recommended reading for

Oregon agates

“Oregon under foot: agate, jasper, opal and related gems,” by Dean McMullen.

“Agates of the Oregon coast: An illustrated guide of information on agates, jasper, fossils & petrified wood commonly found on the Oregon Coast,” by K.T. Myers and Richard L. Petrovic.

“Agates of the Oregon Coast: A field guide of the what - where - when - how,” by Rufus Cate.

Source: www.oregonstate.edu

MAKE YOUR OWN CRYSTALS

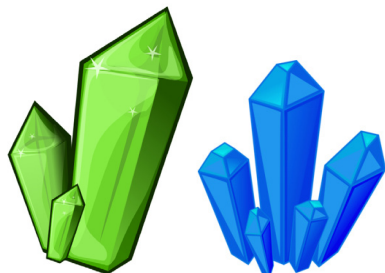
With careful work, you can create your own crystals at home. This recipe is for alum crystals. You can use salt instead of alum. If you use alum, you will be able to make clear, octahedral crystals. You can buy alum at a drugstore.

Step 1: Make a saturated solution of alum. A saturated solution is a mixture of water and alum (or salt) that has so much alum in it that no more will dissolve. You can make a saturated solution by boiling a cup of water in a sauce pan.

When the water is boiling, turn off the stove. Dissolve alum in the water by spooning in one tablespoon of alum at a time and stirring it into the water until it completely dissolves. Repeat this until the alum won't dissolve in the water anymore.

Step 2: Place the alum mixture aside and let it cool to room temperature.

Step 3: When the alum mixture is cooled, you will see alum on the bottom of the saucepan. Very carefully pour the water into a glass jar. Be sure it is cool. If it is still hot, the glass jar might break. Do not pour the undissolved alum into the glass jar.



Step 4: Put the jar in a warm place for two days. As the water evaporates, crystals will start to grow on the side and bottom of the jar. When you see a nicely shaped crystal (it will be diamond-shaped), care-

fully remove it from the jar with tweezers and dry it off with a soft cloth. This is called a seed crystal.

Step 5: Tie a very thin thread around your seed crystal. Tie the other end of the thread around the middle of a pencil.

Step 6: Prepare another jar of saturated alum solution.

Step 7: After the saturated solution has cooled to room temperature, lower the seed crystal into the new saturated solution. As the water evaporates, the alum molecules will attach to the seed crystal and it will grow larger and larger. (Be careful at this step: if you have not made a saturated solution or if the solution is still too hot, the seed crystal will dissolve in the water and you will have to start all over again!)

Source: www.wiregrassrockhounds.com

October

2015

October birthstone: Tourmaline

Tourmaline is a favorite gemstone among jewelry designers and gem collectors. These bi-color or tri-color gems are formed in many combinations; gemstones with clear color distinctions are highly prized. One multi-color variety is known as watermelon tourmaline, and features green, pink, and white colors bands; to resemble its namesake, the gemstone is cut into thin slices having a pink center, white ring, and green edge. Tourmaline is found in many localities including Brazil, Afghanistan, East Africa and the USA.



Secondary stone: Opal

The name opal derives from the Greek *Opallios*, meaning "to see a change (of color)." Opals range in color from milky white to black with flashes of yellow, orange, green, red and blue.

Source: <http://www.americasgemociety.org/october-birthstones>

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12 Monthly Meeting, 7 p.m. at the Klamath County Museum Columbus Day	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31 Halloween 