

APRIL 2023

corc.rocks@gmail.com

CENTRAL OREGON ROCK COLLECTORS NEWSLETTER

It's in our name...It's what we do...We collect rocks!!!



Note From Our President

Thank you to everyone who joined us in person or via livestream for our first meeting of the year in March! I am so done with snow, but I know that better weather is just around the corner. If you go out, please be mindful of the conditions and keep in mind the preparation tips we learned at the last meeting.

Shop Update

We are still looking for someone to take the lead on our shop project. We have an opportunity to start with classes and demonstrations, but this will not happen without someone stepping forward to generate a plan to bring before the club for approval, then making it happen. Until someone volunteers, we are at the mercy of my busy schedule. If you are interested in taking on this project, please let me know.

Oregon Council of Rock and Mineral Clubs

Now that the club has left the Federation, I have received a request from a few members to have the club join the Oregon Council of Rock and Mineral Clubs. We will bring this to a vote at the April meeting. A few quick facts about the OCRMC:

Note from President continued...

- The purpose of the OCRMC is to preserve access to public lands for rock and mineral collectors.
- As a 501c3, CORC cannot engage in political lobbying. The OCRMC is a 501c4 non-profit, which allows them to lobby for political causes such as public land management. By joining, we would be gaining a voice in Oregon.
- As members, we can send representatives to their meetings three times per year.
- The president and board of OCRMC are members of the Oregon Public Land Advisory Committee, directly having a voice in public policy.
- OCRMC has a committee that actively partners with the BLM at least once a year, bringing together rocks clubs from across the state to clean up popular rockhounding areas such as Hampton Butte.
- There are 16 Oregon clubs who are members.
- Membership to OCRMC is \$0.25 per year per member, somewhere around \$100 total.
- Additional information can be found at <https://www.ocrmc.org/>

I hope you are all looking forward to our first field trip, and a great year to come!

Rock on!

April



A Visit to Dobell's Ranch for Arizona Rainbow Petrified Wood by Suzie Meeker



A year ago or so, Mike and Marty Betsch couldn't stop talking about the amazing stop they made in northeastern Arizona, just outside of the small town of Holbrook on Interstate 40 (the old Route 66). The Dobell Ranch is family owned since the 1930's and is headed up by Rhonda. She welcomes calls to the ranch to get exact directions. Her cell phone number is 928-245-9010, and she only needs a half hour notice in advance.

You can either dig out the petrified wood right there on the ranch property or you can buy pieces that are already dug up and cleaned. The cost for the 5-gallon bucket is \$50 (Bring your own bucket) and the owners don't care about the size of the pieces that you put in it. This year on the way to visit family in Arizona, I happily filled two buckets in February despite the snow and wind. The colors of the wood are spectacular. I highly recommend a stop at Dobell's if you plan to visit any of Arizona's natural attractions, such as the Grand Canyon. You can find any number of YouTube videos about Dobell's.



*Welcome
Spring!*

The Birthstone for April is: Diamond

“They” say; “Diamonds are forever”...or a “Diamonds are a girl’s Best Friend.” I’m not sure just what these mean, but here are some facts about diamonds:

Diamonds have a long history as beautiful objects of desire
Diamond is VERY valuable
Diamond is the hardest known natural substance.
Diamond is chemically resistant and has the highest thermal conductivity of any natural material.
A diamond has to go through a lot before it reaches the jeweler’s display case



Diamond is a solid form of the element carbon with its atoms arranged in a crystal structure called diamond cubic. Another solid form of carbon known as graphite is the chemically stable form of carbon at room temperature and pressure, but diamond is metastable (being an unstable but relatively long-lived state of a chemical or physical system) and converts to it at a negligible rate under those conditions. Diamond has the highest hardness and thermal conductivity of any natural material, properties that are used in major industrial applications such as cutting and polishing tools. They are also the reason that diamond anvil cells can subject materials to pressures found deep in the Earth.

Because the arrangement of atoms in diamond is extremely rigid, few types of impurity can contaminate it (two exceptions are boron and nitrogen). Small numbers of defects or impurities (about one per million of lattice atoms) color diamond blue (boron), yellow (nitrogen), brown (defects), green (radiation exposure), purple, pink, orange, or red. Diamond also has a very high refractive index and a relatively high optical dispersion.

Most natural diamonds have ages between 1 billion and 3.5 billion years. Most were formed at depths between 150 and 250 kilometers (93 and 155 mi) in the Earth's mantle, although a few have come from as deep as 800 kilometers (500 mi). Under high pressure and temperature, carbon-containing fluids dissolved various minerals and replaced them with diamonds. Much more recently (hundreds to tens of million years ago), they were carried to the surface in volcanic eruptions and deposited in igneous rocks known as kimberlites and lamproites.

Diamond continued...

Synthetic diamonds can be grown from high-purity carbon under high pressures and temperatures or from hydrocarbon gases by chemical vapor deposition (CVD). Imitation diamonds can also be made out of materials such as cubic zirconia and silicon carbide. Natural, synthetic and imitation diamonds are most commonly distinguished using optical techniques or thermal conductivity measurements.

Diamonds can be used in:

Jewelry

Small particles of diamond are embedded in:

saw blades

drill bits

grinding wheels.

Diamonds are ground into a fine powder and made into a "diamond paste" that is used for very fine grinding or polishing.

synthetic diamond abrasives are made in hundreds of factories and their cost is under \$1 per carat and they perform just as well as abrasives made from natural diamonds in industrial use.

Diamond windows

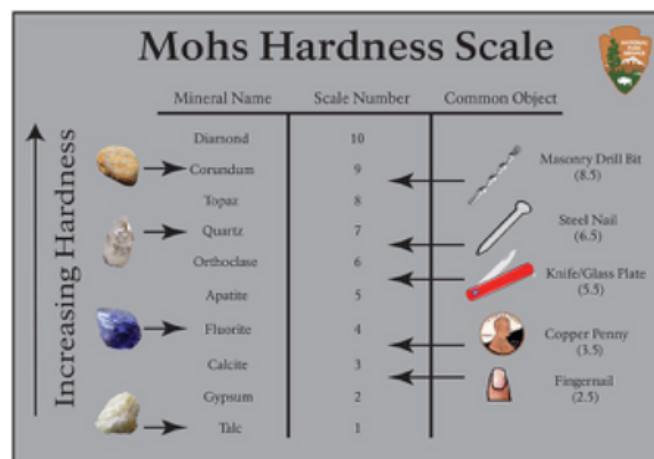
Diamond speakers

Heat sinks (absorb or transmit excess heat)

Low friction Micro bearings

Wear resistant parts

All in all Diamonds are beautiful, tough and useful...but are there prettier gems out there???



Mineral Name	Scale Number	Common Object
Diamond	10	
Corundum	9	Masonry Drill Bit (8.5)
Topaz	8	
Quartz	7	Steel Nail (6.5)
Orthoclase	6	
Apatite	5	Knife/Glass Plate (5.5)
Fluorite	4	
Calcite	3	Copper Penny (3.5)
Gypsum	2	
Talc	1	Fingernail (2.5)

sources:

<https://www.gia.edu/diamond-history-lore>

<https://en.wikipedia.org/wiki/Diamond>

<https://geology.com/minerals/diamond>

→ **Extended til April 19th!** ←



"Name the Claim"



As most of you know we are working on filing the rights to a mineral claim for the club. During this process we are in need of "Naming the Claim" so we are asking you, the members, to submit your ideas to us no later than April 19th. Once we get the entries we will narrow it down to 3 for the club to vote a final name.

There are some rules we would like you to adhere to:

2 words max

No using rocks or minerals in the name

No telling exactly where the claim is located. "Ochocos" may be used.

We would like to thank Jules Wetzel, Mark Lehrbass and Erik Badzinski, for finding the claim and then getting the process going, plus all the work you are still putting in to make this a success.

This should be fun and we are looking forward to hearing from you.

Send your ideas to: corc.rocks@gmail.com

and

When submitting your ideas put "name the claim" in the subject line.



Field Trip on Sunday, April 16, has Location Change

Due to the weather and poor road conditions, the planned field trip to Camp Creek and Bear Creek for jasper and petrified wood has been postponed. We will instead be going to Richardson's Rock Ranch outside of Madras. The ranch has a small museum free to all with excellent examples of thunder eggs from many locations. The shop also has rocks from all over the world for sale, as well as uncut thunder eggs from their Friday Agate Beds. Some years ago the owners closed the ranch to public digging, but eggs from all of the thunder egg beds are available for sale. The thunder egg is the state rock of Oregon. On Sunday, April 16, we plan to meet at 9:30 AM in the Madras Safeway parking lot in the northwest corner near the gas pumps. The Safeway store is at the north end of town. Richardson's is located off HWY 97 north of Madras, and the road is suitable for all vehicles. You don't have to spend any money there, but you may wish to go shopping!

For more information, please go to Richardson's website at <https://richardsonrockranch.com/> The story of the thunder egg is also posted on their site. Their winter hours are Friday-Tuesday 9 AM - 4 PM. More information about fossils, mineral and gems found in Oregon is located at <https://www.oregongeology.org/learnmore/fossilsmineralsgems.htm> Additional photos can be found at <https://richardsonrockranch.com/photos/>



Photos
courtesy of
richardson
rockranch.
com



by Suzie Meeker

Membership renewals are due by April 30th

A Friendly Reminder

from Nick Braun

Just a friendly reminder that it's still winter in the high desert, and many of our usual rock hounding spots are still a long ways from being accessible for collecting or digging.

Be smart!!!! Don't make bad choices!!!

There is no harm in turning around, or planning ahead and doing some research about weather, forecasts, and current conditions where you are traveling to.

Please be safe and smart out there folks!

Glad this had a happy ending.



CROOK COUNTY SHERIFF'S OFFICE

SHERIFF JOHN GAUTNEY

Contact: Deputy Andy Pearson

Date: 3-30-23

Event: Search and Rescue Mission

Location: 12 mile road



Media Release

On 3-29-23 at around 1803 hrs, Crook County 911 Dispatch received a 911 call from a stranded motorist. The cell connection was not good, but coordinates were obtained from the call. The subject said she was with her two children and stuck on the 12 mile road near Van Lake road. No calls were possible to the subject due to the cell phone limitations in the area. Crook County SAR responded to the SAR building with 13 members. Three members stayed to manage the Command Post and the rest of the team deployed with several vehicles and the tracked side-by-side. Using the Ham Radios, and GPS communications, all units were tracked and monitored by the command post.

The subjects were located approximately 1.5 along the 12 mile road stuck in the snow on the road. The electric vehicle they were in was running low on charge so they were using the heater sparingly and were chilled and damp from trying to dig the car out.

All subjects were brought back to Prineville where they stayed the night and will make arrangements to retrieve the vehicle in the morning.

This is Crook County SAR's 19th mission this year. We would like to remind traveling folks to have a plan, communicate the plan and stick to the plan when traveling and especially when off main roads. Have enough food and warm clothing for an unplanned extended stay. Also, pay attention to the road conditions. If the road conditions start to deteriorate, turn around before you need to and make it safe good day for everyone.

FOR IMMEDIATE RELEASE

308 NE Second Street, Prineville, Oregon 97754
Phone (541) 447-6398 | Fax (541) 416-0353 | Website <http://sheriff.co.crook.or.us/>

Please check out
the Glass Butte
Knapin Facebook
page for pictures
from this year's
Knapin!

2023 Club Meeting Dates

April 19th

Doors open at 5:30 PM for visiting

Meeting starts at 6 PM

Jules Wetzel and John Moreau Rock Identification and what you may find and where in the Northwest. Rock Docs, Al and Sue Liebetrau, Jules, and John will attempt to identify any rock that you do not know what they are. Please come with your rock and as much information about it as possible.

Show & Tell for last names starting with M-S

*Those that won a door prize last month please bring a door prize this month.

Meetings are held every third Wednesday of every month from March through October at the OSU Extension Service Building

3800 SE Airport Way Bldg 3 "The Annex"

Redmond, OR at 6:00 PM. The only exception is August when CORC has its annual picnic. In November, CORC has its annual holiday party. The club does not meet from December through February.

Upcoming Area Rock Shows

April 14-16 WAMS River of Gems 66th Annual Rock Show

Polka County Fairgrounds, Rickreall, OR

Contact Person: Ken Stubenrauch wams.riverofgems@gmail.com

www.WAMSI.net

May 6-7 Umpqua Gem & Mineral Club

Douglas County Fairgrounds, Roseburg, OR

Contact Person: Jason Jakubus (541)580-7584

rockandwool@gmail.com www.facebook.com/Umpquagem

May 13-14 Hatrockhound Gem and Mineral Society

Eastern Oregon Trade and Event Center Hermiston, OR

Contact Person: Mike Filarski (541)571-2593

stonemorlin1@netscape.net

May 20-21 Mt Hood Rock Club's Rock and Gem Show

Kliever Memorial Armory, Portland, OR

Contact Person: Darrell Engelhard mhrcdc@gmail.com

www.mthoodrockclub.com

For more Rock Shows please check out February's Newsletter on our website

REMINDER:

Please mail membership form and check to:
Central Oregon Rock Collectors (CORC)
P.O. Box 6265
Bend, OR 97708

Annual membership dues are \$20 for individuals, \$25 for household
and \$5 for juniors.

You may find the form on our website at corockcollectors.com

OR

**You may now go to our website corockcollectors.com to pay your
membership dues online. Click on the Membership page.**

Club website: corockcollectors.com

Please join our Facebook page:
Central Oregon Rock Collectors

If you have any
ideas for field trips please
email Ken Lawson & Suzie
Meeker at
corc.rocks@gmail.com

CORC Board Members

April Anable
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Patricia Moreland
Vice President

Tonia Smith
Secretary

Terri Coffey
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Co-Field Trip Chair

Gale Rivera
Co-Program Committee Chair

Marty Betsch
Co-Program Committee Chair

Barb Thompson
Claims Chair

April Anable
Social Media & Webmaster

If you would like to reach any of the board members please email them at
corc.rocks@gmail.com

Business cards and announcements

CigarboxRock

The temporary office is a "job shack" located at 63271 Nels Anderson Rd.

Give us a call before coming in! Currently open: Monday-Friday
9:00 am to 3:00 pm

CORC members receive a discount at CigarboxRock!

CBR@BENDNET.COM

Call (541)389-9663 or visit our website, <https://cigarboxrock.com>



From Nina Hurst -- I am a lapidary metal artist with a wide variety of jewelry for sale. For example, I have metal earrings, barrettes, bracelets made with stones and freshwater pearls. Just give me a call for a personal showing.

(541)382-1921 or email me
nina.c.hurst@outlook.com

Classified Ads: If you have a rockhound-related item you wish to advertise, send the announcement to Tonia Smith and Nancy Johnston at corcrocks@gmail.com