

CENTRAL OREGON ROCK COLLECTORS



Hampton Butte Rockhounding

Hampton Butte has long been a popular collecting site for rockhounds who are interested in finding petrified wood with a unique green color. The 120-acre rockhounding area, located 12 miles northeast of Highway 20 near the unincorporated community of Brothers, is listed on the Central Oregon Rockhounding Map which is available for purchase.

The specimens here are white, gray, black, and yellow but the most prized ones range from turquoise to dark green colors that are probably caused by iron or copper inclusions. The wood appears as petrified wood or limb casts where original structures were replaced by agate, jasper, or common opal. Agate and jasper can be found here as well.

This site has been visited frequently by rockhounds in past years but you still can find tumbler-size materials on the surface. Digging one to two feet below the surface with a shovel or pick would yield larger pieces of wood. The soil is relatively soft. Avoid digging under trees and around tree roots.

Not every piece you find will polish well, there are a lot of porous materials.

The site is surrounded by BLM lands on the north and east with private property on the west and south.

A beautiful Juniper forest covers Hampton Butte offering a great rockhounding and camping experience in the shady area. The site is extremely popular because of an easy access and great materials that are found here. Please keep this place clean, pack out all your trash and fill in your holes.



Here are several samples of petrified wood from Hampton Butte. There is more than just green petrified, which is only found in Oregon and Arizona in the United States. You can find agates, jasper and petrified wood.



Thank you to
Suzie Meeker
for sharing her
Hampton Butte
collection with me
and allowing
me to take
pictures.



Our trip to Richardsons Rock Ranch



If you have not renewed, your
membership

please do so now. You will not be
allowed to participate in field trips or
classes if you have not renewed.

STATE BY STATE

ROCKS, GEMS,

MINERALS

Georgia



State Gem: Quartz



Quartz is our most common mineral. Quartz is made of the two most abundant chemical elements on Earth: oxygen and silicon. Atoms of oxygen and silicon join together as tetrahedrons (three sided pyramids). These stack together to build crystals. Billions of

tetrahedrons are needed to build even a small crystal. Quartz is an almost pure chemical compound with constant physical properties.

Quartz makes up about 12 percent of the land surface and about 20 percent of the Earth's crust. Most of the remaining crustal rocks are rich in silicate minerals which include silicon and oxygen together with other

elements.

Quartz is divided into two groups; crystalline or visible crystals and cryptocrystalline or hidden crystals which, require a microscope.

State Mineral: Staurolite

Staurolite is a mineral that is commonly found in metamorphic rocks such as schist and gneiss. It forms when shale is strongly altered by regional metamorphism. It is often found in association with almandine garnet, muscovite, and kyanite - minerals that form under similar temperature and pressure conditions.

The name "staurolite" is from the Greek word "stauros," which means "cross." The mineral commonly occurs as twinned, six-sided crystals that sometimes intersect at 90 degrees to form a cross. (An intersection angle of 60 degrees is more common.) In some localities these twinned crystals are collected, made into jewelry, and sold under the name "fairy crosses."



Metamorphism

Alteration of the composition or structure of a rock by heat, pressure, or other natural agency. "all the rocks were subjected to several phases of metamorphism and deformation"

Schist

Schist is a metamorphic rock that shows visible flat grains that lie like sheets on top of each other. It is mostly made of long and flat minerals like mica, that sparkle in light.

STATE BY STATE

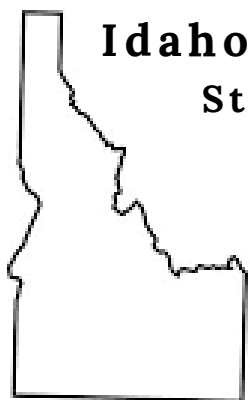
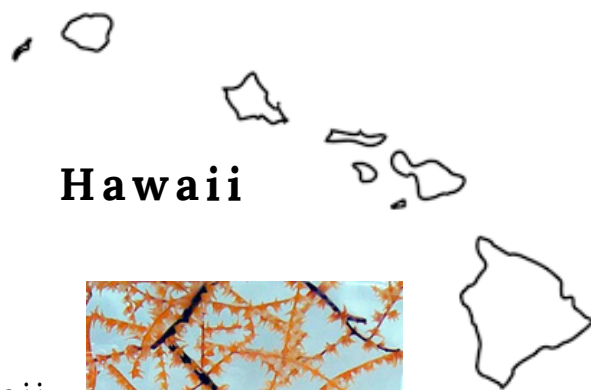
ROCKS, GEMS,

MINERALS

State Gem: Black Coral

Precious Hawaiian Black Coral—the official Hawaii state gemstone and world's finest coral—grows slowly in deep-sea colonies, maturing only after 50 years or more. We sustainably harvest it only in designated waters and in strict accordance with state, federal, and international laws to protect the precious source that we first discovered off Lahaina, Maui in 1958. This exquisite gemstone symbolizes the mysterious depths of the ocean that surrounds us.

Named for their stiff black or brownish skeleton, black coral is related to sea anemones and stony corals. Sometimes called “little thorn corals” because of tiny spines found on the surface of the skeleton. Black coral is often seen in jewelry. The living coral may be black, red, orange, brown, green, yellow, or white.



Idaho

State Gem: Star Garnet

Garnet is the name used for a large group of rock-forming minerals. These minerals share a common crystal structure and a generalized chemical composition.

These minerals are found throughout the world in metamorphic, igneous, and sedimentary rocks. Most garnet found near the



Earth's surface forms when a sedimentary rock with a high aluminum content, such as shale, is subjected to heat and pressure intense enough to produce schist or gneiss. Garnet is also found in the rocks of contact metamorphism, subsurface magma chambers, lava flows, deep-source volcanic eruptions, and the soils and sediments formed when garnet-bearing rocks are weathered and eroded. Most people associate the word "garnet" with a red gemstone; however, they are often surprised to learn that garnet occurs in many other colors and has many other uses.

References:

www.geologypage.com statesymbolsusa.org minerals.gia.edu geology.com mindat.org
mineralexpert.org gemrockauctions.com www.usgs.gov www.gemsociety.org
www.britannica google.com uwaterloo.ca mauidivers.com

Our next Club Meeting is:

May 15th

**Doors open at 5:30 PM for socializing
Meeting starts at 6 PM**

How to Tumble Rocks

by Plaid Peterson

*Don't forget about Show and Tell!

*Those who won a door prize at our last meeting please bring one this meeting.

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 PM. The only exception is July or August when CORC has its annual picnic. In November, CORC has its annual holiday party. The club does not meet from December through February.

Meeting minutes can be found at corockcollectors.com

QUICK FACT

Drusy: A crust of small crystals lining the sides of a cavity (or vug) in a rock. Sometimes spelled druzy. Borrowed in the late 18th century from German druse, "weathered ore."

**CORC Annual Picnic
July 20**

We will be selling raffle tickets for the
Highland Park Tumbler and grit pack
at our next 3 meetings and at the picnic. We will pick the winning ticket at the picnic. You do not have to be present to win.

2024 Field Trip Dates

*All field trips are
subject to
change

May 18th, Saturday Hampton Butte
Jasper replacement petrified wood

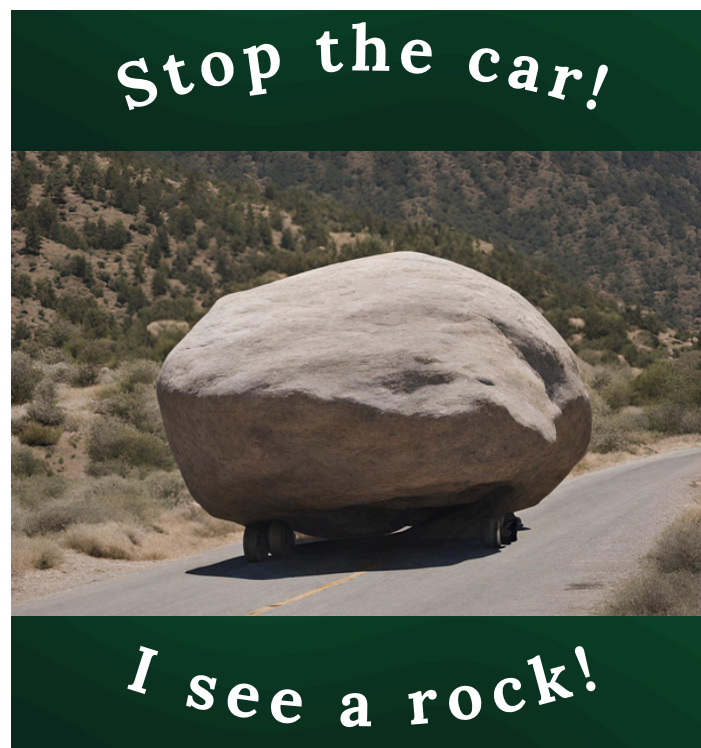
June 23rd, Sunday Glass Butte
Obsidian

July No Field Trip Due to Annual Picnic on 20th, Saturday

August 25th, Sunday Milepost 32
Leaf fossils and petrified wood

September 14th, Saturday Old Marker Ranch (Hollywood Ranch)
Sweet Home, Oregon
Agates and petrified wood
This is a fee dig \$2/lb

October 13th, Sunday Ochoco Amigos
Agates, moss agates, jasper, and crystals



2024 Rock

Show Dates

- May 4-5** **Everett Rock & Gem Club**
Evergreen State Fairground, Weikel Event Center near Monroe, WA
- June 13-16** **Prineville Rockhound Pow Wow**
Crook County Fairgrounds Prineville, Oregon
- June 14-16** **Lower Umpqua Gem & Mineral Society**
Reedsport Community Center Reedsport, OR
- June 20-23** **Madras Rock Show**
Jefferson County Fairgrounds Madras, Oregon

As Del Walker has often said,
clubs thrive with volunteers and
die from the lack of same.
Please consider where you can
volunteer. We have many
volunteer areas, including a club
historian. Please let us know if
you are interested.

Celebration of Life for Roger Whiteman

June 1st, 2024 2 PM

Larkspur Community Center

1600 SE Reed Market Rd

Bend, OR 97702

It's time to renew your membership!

2024 CORC Board Members

April Anable
President

Patricia Moreland
Vice President

Tonia Smith
Secretary

Nancy Johnston
Treasurer

Ken Lawson
Co-Field Trip Committee
Chair

Eric Smith
Co-Field Trip Committee
Chair

Barb Thompson
Claims Committee Chair

Scott "Plaid" Peterson
Program Committee Chair

You may now go to our website
corockcollectors.com to pay your
membership dues online.

Click on the
Membership page. It will take you
to Cheddarup. Follow the
instructions to fill out the
membership form and make
your payment.

Or you may print off the membership form
instead and mail it with a check.

Central Oregon Rock Collectors (CORC)
4817 SW Volcano Ave
Redmond, OR 97756

Non Board Members

Tonia Smith
Nancy Johnston
Newsletter Editors

April Anable
Social Media
Webmaster

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

If you have questions, please
contact Tonia at
corc.rocks@gmail.com

***If you would like to contact a board member please email
corc.rocks@gmail.com**

ANNOUNCEMENTS

CigarBoxRock Lapidary
63291 Nels Anderson Rd
Bend, Or
Open Tuesday- Saturday
9:00am - 3:00 PM
CBR@Bendnet.com
541-389-9663 Or 541-280-5574
Follow us Facebook and Instagram

Coming soon!

In house shows of specialty Cabs and Slabs

Cigarboxrock.com

**After a longer than anticipated wait we are
back in our buildings and ready to serve you!**

To post an announcement or ad in the
CORC newsletter please email
corc.rocks@gmail.com.

You must be a current member to do so.