

July 2024

corc.rocks@gmail.com

CENTRAL OREGON ROCK COLLECTORS



**Join us for our
Annual CORC Picnic
on July 20th!
Please RSVP by July 17th**



**July 20th
11-2**

Set up begins at 9

**American Legion Park
850 SW Rimrock Way
Redmond**




Silent Auction

This is our primary fundraiser for the year and a great way to add to your collection. Please bring rocks or rock related items to donate to the auction. Please print and fill out your bid sheets ahead of time. 1 sheet/item.

**CASH, CHECK & CREDIT
CARD ACCEPTED**

Vendors

Any member may sell their rocks and rock related items at the picnic. Setup starts at 9 AM. Please provide your own table and shade. Canopies are required by city to be weighted down on all four corners with sandbags or water jugs. No exceptions.



Baldy's BBQ pulled pork and chicken wings will be provided.


Please bring a side dish or dessert to share.

Bottled water will be provided.

Raffle

We will be raffling off a Highland Park 33 rotary tumbler and 25 lbs of grit and media. Each member will receive one free ticket for attending and may purchase more for \$5 each or 5 tickets/\$20. Raffle will be drawn at the end of the picnic. You need not be present to win. Tickets may be purchased at the July meeting.

Please bring your own chairs or picnic blankets. No dogs are allowed at this event.



See you there!

A Great Day at Glass Butte

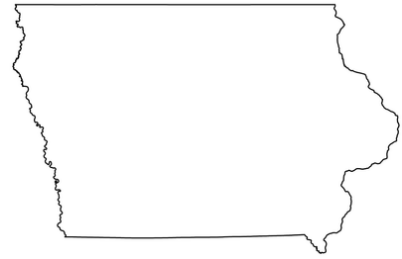


STATE BY STATE

ROCKS, GEMS,

MINERALS

IOWA



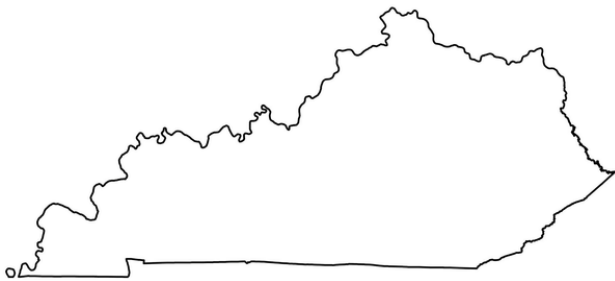
State Rock: Geode

A geode; from Ancient Greek 'earthlike' is a geological secondary formation within sedimentary and volcanic rocks. Geodes are hollow, vaguely spherical rocks, in which masses of mineral matter (which may include crystals) are secluded. The crystals are formed by the filling of vesicles in volcanic and subvolcanic rocks by minerals deposited from hydrothermal fluids; or by the dissolution of syn-genetic concretions and partial filling by the same or other minerals precipitated from water, groundwater, or hydrothermal fluids.

Geodes are common in some formations in the United States (mainly in Indiana, Iowa, Missouri, western Illinois, Kentucky, and Utah). Geodes are also abundant in the Mendip Hills in Somerset, England, where they are known locally as "potato stones". The term geode generally describes hollow formations.



Kansas: No Rocks, Gems or Minerals



Kentucky

State Rock

Kentucky agate

Courtesy of Roland MacIntosh



On July 14, 2000, agate was officially designated Kentucky's State Rock. The Kentucky Geological Survey was not consulted prior to this designation, which is unfortunate, because agate is a microscopically crystalline variety of the mineral quartz, and not a rock. Rocks are composed of many minerals and are formed through sedimentary, igneous, or metamorphic processes. Kentucky has a state rock that is really a mineral, and a state mineral (coal) that is really a rock!



Agate has delicate and varying shades of color arranged in layers. The color banding is usually related to chemical impurities; for example, iron gives a red or orange color and manganese or calcium give black or blue colors. The bands are typically irregular, curved, or in concentric patterns. Agate is used as an ornamental material or in semiprecious jewelry.

State Mineral: Coal

Coal is a sedimentary deposit composed predominantly of carbon that is readily combustible. Coal is black or brownish-black, and has a composition that (including inherent moisture) consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material.



State Gemstone: Freshwater Pearl

A pearl is an ulcer that is formed when an irritant, such as a parasite, enters an oyster, who responds by coating it with nacre (a crystalline substance that gives pearls their luster). Stress is what prompts an oyster to secrete nacre (just like stress worsens human ulcers).

Because pearls naturally form in only one in 10,000 oysters and because the creation of a pearl can take up to three years, pearl-makers have devised a process called “culturing,” or cultivating, that allows them to exploit oysters faster and cheaper.

Culturing involves surgically opening each oyster shell and inserting an irritant in the oyster. Freshwater pearls are cultured by inserting another oyster’s mantle tissue. Saltwater pearls have beads and another oyster’s mollusk tissue inserted. Fewer than half of the oysters may survive this process.

Cultivators further stress the oysters by suspending them in water in a cage, washing their shells, moving them around in different waters, and raising and lowering their cages to subject them to changing water temperatures.

References:

statesymbolsusa.org geology.com mineralexpert.org www.usgs.gov
www.gemsociety.org peta.org google.com mrsd.org amnh.org
gisgeography.com en.wikipedia.org uky.edu diamond buzz



**HAPPY
FOURTH OF JULY
INDEPENDENCE DAY**

**Thank you
to all those who
served.**



Our next Club Meeting is:

July 17th

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

**History of Peterson Rock Garden and
Future Plans**

***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 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 when CORC has its annual picnic in July or August. 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

The three types of rocks are:

Sedimentary: Sediment carried by water and wind is deposited in layers. When sediment becomes cemented together it forms sedimentary rocks. These rocks are the best places to search for fossils.

Igneous: Igneous rocks form when magma, or melted rock from inside the Earth, cools and hardens. They can form above ground when magma erupts from a volcano as lava. They can also form deep inside the Earth's crust and then be exposed at the surface by the overlying rocks wearing away. The crystals found in igneous rocks have angular shapes. They have not been worn like sedimentary rocks or squished like metamorphic rocks.

Metamorphic: Deep inside the Earth, intense heat and pressure can change rocks into entirely new metamorphic rocks. In fact, the conditions are so extreme, they can change the rock's texture, color, and the shape of its crystals. Even the rock's minerals are broken down and new ones are formed. This can happen to any rock: igneous, sedimentary, even other metamorphic rocks. It's all part of the Earth's rock cycle.

2024 Field Trip Dates

*All field trips are
subject to
change

July: No Field Trip Due to Annual Picnic on the 20th, (Saturday)

August 3rd: Saturday Lucky Strike Mine
Thunderegg **This is a fee dig**

August 24th: Saturday Milepost 32
Leaf fossils and petrified wood

September 14th: Saturday TBA

October 12th: Saturday Ochoco Amigos, CORC claim
Agates, moss agates, jasper, crystals

2024 Rock

Show Dates

July 11-13 Thunderegg Days
Nyssa South Park Nyssa, OR

July 13-14 Rock'n the Coast Rock and Gem Show 2024
National Guard Amory Newport, OR

July 20 Oregon Geo Fest
Broadway Center Eugene, OR

August 2-4 Far West Rock & Gem Show
The Mill Casino - in the Salmon Room North Bend, OR

August 16-18 End of Summer Rock Show
Polk County Fairgrounds Rickreall, OR

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

Renewals are due by April 30th.

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

CORC members receive a discount.

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.