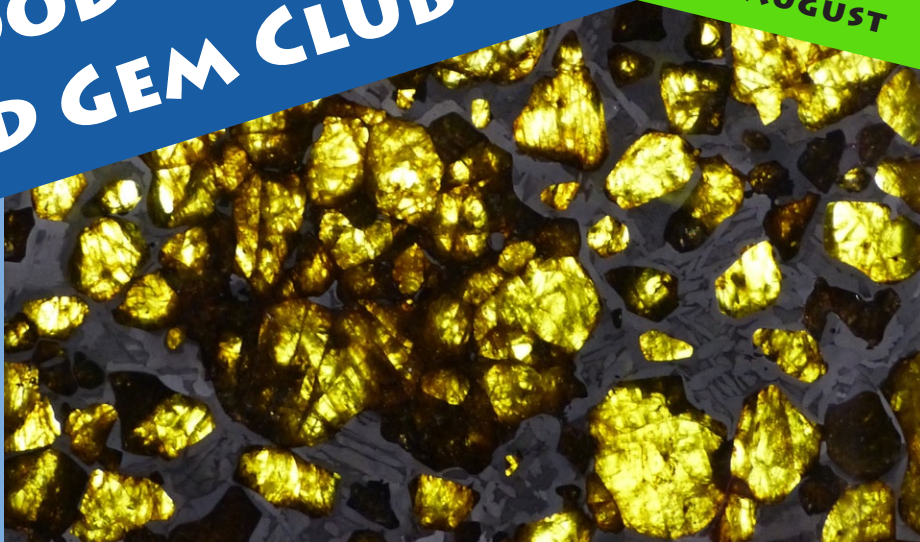


MAPLEWOOD ROCK AND GEM CLUB

2021
AUGUST



Inside this issue

August Birthdays	4
Board meeting	7
Connect with us	7
Donate to the club	6
Facebook	6
Field trips	3
General meeting: August 16	1
Image license attributions	7
Juniors' Page	2
Pallasite meteorite	1
Silent auction	6
Sister club in Australia	8

General meeting: August 16

Our August meeting will be in-person on the clubhouse lawn. This will not be a regular meeting, but rather a long hoped for chance to gather together and socialize. Bring a chair and a snack for yourself, if you want to. We won't have a pot luck with shared food this month.

The silent auction will be open and we will also have prizes. Questions? Contact our Board President, Sandra: ask.sandra@yahoo.com

Pallasite meteorite

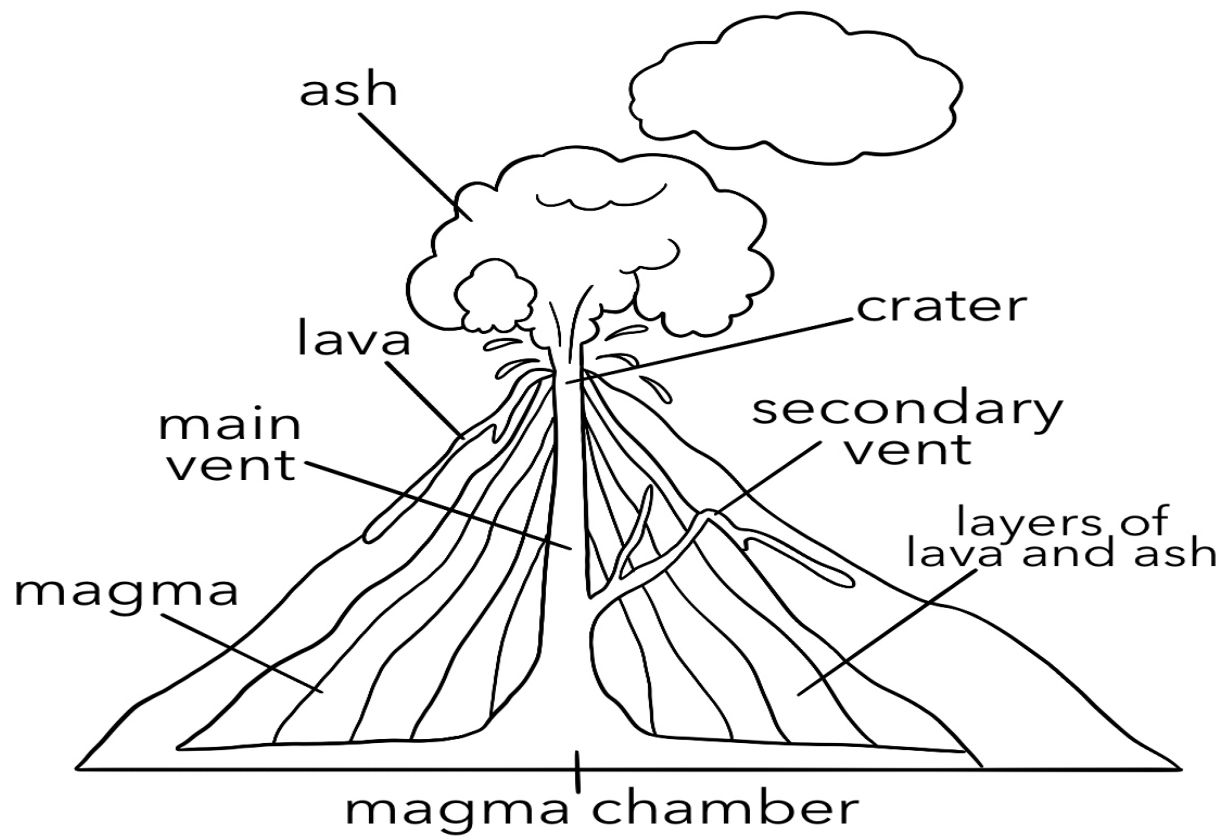
The image in the banner above is a pallasite meteorite rich with olive green peridot crystals. This stone was found in Fukang, China and is now in the Natural History Museum in Vienna, Austria. Photo by [Wolfgang Sauber](#). License: [CC BY-SA 3.0](#)

Juniors' Page

Peridot is a green gemstone (shown at the right) that is unusual among gems because it forms deep in the earth. Nearly all other gems form in the earth's crust, which means near the surface. Peridot is usually carried to the surface in magma which is called lava once it leaves the volcano. Can you color this volcano with green peridot crystals flowing with the magma and lava?



PARTS OF VOLCANO



kidadl

Visit www.kidadl.com for more free coloring pages

Field trips

Questions? Email Ed Lehman at wsmced2@outlook.com or call him at (425) 334-6282 or (425) 760-2786.

August 21st and 22nd at 9 am

Meet at the Enumclaw Ranger Station: 450 Roosevelt Ave E, Enumclaw, WA 98022
Trip ends at Greenwater, WA

September 18 at 10 am

Meet on Hwy 410 and NF-19 (Little Naches Road): 46.989699, -121.096497
Looking for: Thunder eggs, lily pad jasper, and fossils

October 16th at 9 am

Meet at the Money Creek Campground
off Hwy 2 before Skykomish
Stevens Pass Hwy, Skykomish, WA 98288
Looking for: Picture jasper

November 13th at 9 am

Meet: Take I-5 exit #240 and go toward Blanchard Hill. Meet at the Shell Gas Station by the exit.
Looking for: Dalmation stone

August Birthdays

Happy birthday to everyone born in August. This month has three birthstones, sardonyx, peridot, and spinel.

Peridot

Peridot is always green, but it comes in a multitude of green hues including lime, grass, and olive green. Most commonly, peridot is a light green, and the intensity of color increases with the iron content. Peridot is one type of olivine.



Peridot is unusual among gemstones because it does not form in the earth's crust. Instead it grows in magma deep underground in the upper mantle. These gems form in silica-deficient rocks like volcanic basalt and pallasitic (stony, iron-rich) meteorites. Pushing to the surface, magma carries peridot upward and expels it with lava that cools to become basalt. Another way peridot rises is by upthrust from two tectonic plates pushing against each other and causing material from the upper mantle to rise to the surface. Most peridot is not gem-quality due to the damage done by the journey to the earth's surface.

Sardonyx

Sardonyx has the oldest claim as an icon for August; it was mentioned in the book of Exodus as one of the 12 gems in the high priest's breastplate which represented the tribes of Israel. Over the centuries, these 12 gems came to be associated with the months of the year with Sardonyx representing August.



Red Sardonyx
by [Shihmei Barger](#)
[CC BY-NC-ND 2.0](#)

Spinel



Spinel crystal
by [Orbital Joe](#)
[CC BY NC-ND 2.0](#)

Spinel is a popular gemstone which occurs in every color of the rainbow plus colorless and black. At 7.5 - 8 on the Mohs scale, this gem is harder and more durable than peridot, especially when crafted into rings.

Peridot basics

Category: Silicate mineral

Formula: $(\text{Mg}, \text{Fe})_2\text{SiO}_4$

Crystal system:
orthorhombic

Color: yellow-green, olive green, brownish green, lime green, emerald green

Cleavage: poor but it improves with increased iron

Fracture: conchoidal

Mohs: 6.5 - 7

Luster: vitreous to oily

Streak: colorless

Diaphaneity: translucent to transparent

Refractive index: 1.64 - 1.70

Pleochroism: weak

Silent auction

Bidding on items in the silent auction is a way to give back to the club. You get a gorgeous specimen of rock or mineral and the club has a little more money for paying bills. All the items available in the silent auction were donated, so even before you bid, people have already generously supported our club.



Selenite desert rose

When bidding, remember that this is a fundraiser where you might get a huge bargain; you might pay a fair price; or you might even bid generously. Don't be afraid to bid up on something you like. The previous bidder, might respond in kind to your bid.

Buy grit for your rock tumbler

Contact Sandra to buy grit: ask.sandra@yahoo.com

Donate to the club

Our club is a 501(c)(3) organization, so if you itemize deductions, you might receive a tax deduction. Ask your tax expert.

Checks can be made out to *MRGC* if you don't want your hand to cramp from writing the entire club name, *Maplewood Rock and Gem Club*. The club address is

8802 196th Street SW
Edmonds, WA 98026

Facebook

Our [facebook page](#) has up to date information about what is happening at our club. When we have online auctions, they happen on our page.

We also have a Facebook group — [MRGC Sales and Trades](#) — which is open to members of our club.

Maplewood membership

While the world around us seems in a state of confusion, we have the unique opportunity of having a nice place to meet with friends that we enjoy and the harmony of fellowship.

~ Merle DeGarmo,
President 1974



Board meeting

If you have questions for the board or if you'd like to attend a meeting, please email our Board President, Sandra: ask.sandra@yahoo.com

Connect with us

Website: <http://www.maplewoodrockclub.com/>

Facebook page: [Maplewood Rock & Gem Club](#)

Facebook group for members: [MRGC Sales and Trades](#)

Address: 8802 196th St SW, Edmonds, Washington 98026

Washington State Mineral Council

Our club, along with many other rock and gem clubs in the state, is a member of the [Washington State Mineral Council](#).

This organization helps us by

- advocating for access to public lands
- advocating for beneficial land use policies
- compiling and sharing maps and other information
- publicizing shows and field trips so members learn about and can participate in events at other clubs

Read their latest [Newsletter](#).



Image license attributions

We use abbreviations in the license attributions. Here are the definitions.

CC: Creative Commons license

BY: attribute the author, link to the license, and indicate if changes were made.

SA: share alike - If you publish the image, you must use the same license.

ND: no derivatives - You may not alter the image.

NC: non-commercial use - You may not use the image for commercial use.

3.0 or other number: version of the license

Sister club in Australia

Our sister club in Australia is the Atherton-Tableland Mineral & Lapidary Club in Tolga, Queensland. Connect to them on Facebook:

www.facebook.com/groups/197340266987276

One hundred million years ago the eastern edge of the Australian continent extended much farther to the east. Tectonic forces broke off and submerged into the ocean the eastern section while a rising mantle caused the remaining land to lift.

Beginning 4 million years ago large basalt flows filled river valleys and formed a relatively flat landscape. Following that period the volcanoes became more gaseous spewing lava in violent eruptions. This landscape is now called the Atherton Tablelands. You can learn more on Wikipedia.



This issue

Maplewood Rock and Gem
Club News

Volume 8

Publication Year: 70

News to share? A suggestion? A correction?

Please send news ideas and images you'd like to share to the newsletter editor, Nancy Samuels at mrgc@nancysamuels.com.