

In this issue

Please Renew	2
Big impacts	2
Web Editor Needed	3
Sparkling Clean	3
Committees	4
Join a committee	4
Juniors	7
"Diamond" Hunting	8
Luminescence	13
Fluorescence	13
Phosphorescence	14
Incandescence	15
Juniors display case	15
Hi! My name is...	15
Luminescence Puzzle	16
Rags needed!	19
Our Maplewood Club	19
Rock of the Month	19
Library	20
Silent Auction	20
Spread some sunshine	20
Lapidary Shop	21
Puzzle Answers	22
Connect with us	23
Our Board	23
Rock lovers everywhere	24
Trips and Shows	25



February meeting

Monday, February 19

General meeting at 7 pm

Juniors meet at 6 pm

Radiate your love of luminescent rocks by bringing specimens from your collection that glow under UV light. For our Rock of the Month presentation Jim Miller will give a short introduction to why some rocks glow.

Following Jim, our members will share their luminescent rocks. Bring yours and tell us what you know about them. If you have a UV flashlight, please consider bringing it so more people can look at specimens during the meeting.

Paul Newby will have a silent auction set up for you to bid on items to add to your collection.

If your last name begins with a letter from N to Z, please bring food to share. Regardless of your last name, if you have old towels to spare, please donate them to the shop.

Banner image

The banner photo is an amethyst and white gold ring photographed by [sarakgraves](#) and republished here under the [Pixabay content license](#).



Please Renew

If you haven't renewed your membership dues, please do so.

Membership type	Cost
Individual	\$30
Student (up to age 18 or to age 22, if in college)	\$25
Family (1 or 2 adults and their children)	\$55

Small commitments with big impacts

Members often ask how they can help. People feel good knowing they are contributing to our community, and as an added benefit volunteering is the best way to get to know others. Here are some ways you can help.

- Rock of the Month presenters – Give a presentation about some aspect of rocks, minerals, or gems during a monthly meeting.
- Speakers for the Juniors program – Tell the kids about lapidary arts, rockhounding, rocks, or minerals.
- Offer a class in lapidary arts.
- Write a short article for the newsletter – You might write about a mineral that fascinates you or tell us about a recent rockhounding trip. You could take photos at one of our shows or events and contribute those.
- Volunteer to help at a show with a task, like acting as the host for the vendors, which might include bringing them coffee or giving them short bathroom breaks away from their booths.
- Join a committee.

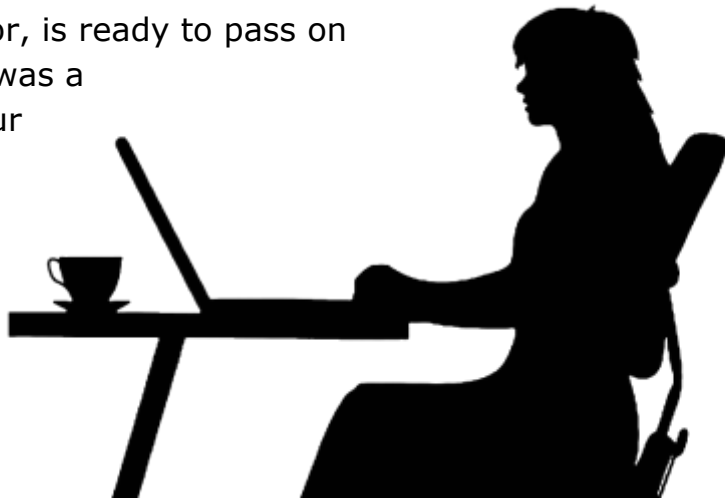


Web Editor Needed

Mel Milnes, our current Web Editor, is ready to pass on the Web duties to someone. Mel was a key designer and developer on our current website, and she has managed the content for many years.

The basic webmaster skill requirements begin with being familiar with

- WordPress
- the Elementor plugin



If you are interested in learning more about this important role in our club, please contact Mel Milnes or Carla James who is our Web Administrator.



Sparkling Clean

The Board set up a new committee and is looking for a team of people who want to work together. This new Sparkle committee will work together to plan how they share the job. They might organize work parties of club members to get some work done, like a spring garden cleanup.

The Sparkle Committee will handle these tasks:

- Clean the building as needed at least once a week. This includes floors, bathrooms, kitchen, and the main room.
- Clean the building before rentals. This can be the weekly cleaning.
- Purchase bathroom, kitchen, and cleaning supplies as needed.
- Have a system for occasionally purchasing supplies for other committees, like getting paper towels for the Lapidary Shop.
- Mow the lawn and maintain the garden areas.

Committees

Why do our members join the club? To cut and polish rocks. To learn about fossils, minerals, and rocks. To add to their collections of specimens. To be in a warm friendly community with others who share their love of beautiful rocks. And other reasons. None of these goals could be achieved without volunteers who plan, organize, lead, communicate, and more.

Most of our committees are humming along under the leadership of members who have stepped up to help.

- Community Displays: Joy Wiley
- Facilities: Randy Peterson
- Kitchen: Carla James
- Lapidary Shop: Nathan O'Brien, Rich Osborne, Bruce Samuels, Ashley Martin
- Membership: Linda Willemarck
- Publicity: Marion Richards
- Parliamentarian: open
- Rentals: Craig Kosovich
- Seattle Regional Gem and Mineral Shows Liaison: Nancy Samuels
- Library: Nancy Ross
- Newsletter: Nancy Samuels
- Sunshine: Nancy Ross
- Washington State Mineral Council Liaison: Nathan O'Brien
- Website Admin: Carla James

Will you lead a committee? Perhaps with a friend?

Linda Willemarck is on the Ways and Means committee, but we are looking for a couple more people. This is a fun job to share and an important contribution for helping the club. Ask Linda to learn about joining this team.

Web Editor is a great job for someone who likes to do their volunteering from home. Being somewhat techy helps too. Reach out to Mel Milnes to learn more.



Join a committee or team

We couldn't have this club without the generosity of those who step forward and take on the task of joining a committee. A few of our important committees don't have a leader yet. A few other committees need more people to join their teams.

Do you know someone in the club you'd like to share an open position with? The following table lists the committees currently needing more volunteers.

Committee	Chair and Help Needed	Need help with
Classes	One person needed	Finding people to lead classes; submitting class announcements to the newsletter; announcing upcoming classes at meetings; organizing class enrollment
Field Trips	Marion Richards A couple more people are needed.	The additional helpers would assist Marion in getting people signed up for field trips.
Historian	One person needed	Keeping historical copies of photos, donation records, and other data that the club might want to retain.
Juniors	Amaryah Daniels A couple more people are needed for organizing	Amaryah needs a couple volunteers to help her organize the lessons and monthly speakers.
Parliamentarian	Need one person	Attending meetings and keeping us in line with Roberts Rules of Order
Shows	Heather Martin Need a couple people	The new team members would help Heather recruit volunteers, and oversee operations during shows.
Sparkle	Need four people	This new team will share the responsibility of making our building sparkle before rentals and meetings. They will keep the lawn mowed and grounds looking good. They will purchase some supplies too.
Ways and Means	Linda Willemarck Need a couple people	Together with Linda the new volunteers will become a team that identifies and values specimens in our collection and that plans and implements sales at our shows.
Website Editor	Mel Milnes Mel is ready to turn over the website.	The new volunteer would take over Mel's duties for updating content and managing the pages of the website.

If you were born in February

Happy Birthday!



A thing of beauty is a joy for ever:
Its loveliness increases; it will never
Pass into nothingness.

John Keats

Your birthstone is amethyst which has symbolized royalty for millennia because of its purple color. Since the 15th century BCE people in Sidon and Tyre, Phoenicia (now Lebanon) have made a Tyrian Purple dye, rich in color. That dye was so expensive to produce that only kings, emperors, Popes, and other extremely wealthy people could afford clothes dyed from it.

To make the dye Tyrians collected thousands of small sea snails. They cracked the shells, removed the snails and soaked them. Next, a tiny gland and its ink was extracted. They would leave the bowl of ink in the sun which transformed the color of the ink from white to yellow-green to green to violet and finally to red. When the color was the deep shade of purple or red they wanted, they brought the bowl out of the sun.

Because royals and other wealthy rulers wore purple, amethyst and other purple gems were associated with royalty.



Juniors

Amaryah Daniels

Rookie Rockhounds had a great time learning about petrified wood and fossils at our first meeting last month. We had 12 juniors and were excited to welcome two new families to the club.

Big thanks to Michele McGraw who shared her knowledge and petrified wood collection with the kids and to Lynz who generously provided petrified wood for each junior to take home.



The juniors made salt dough trace fossils that were baked in the oven during the general meeting (see photo attached), and they had fun polishing their petrified wood with squares of denim.



We now have a juniors display (located on the bottom right of the wooden display case). Antha Huffines (14) displayed her collection in January (photo at the left). Maddox Daniels (7) (above) will be displaying in February.

This month we will be discussing luminescent rocks! Thanks again to Michele McGraw for being our teacher and Diane Marie for donating rocks for

the kids. Many others lent us UV flashlights to use for the meeting. We cannot do this without our members' generosity--thank you!

“Diamond” Hunting in New York State

By Jim Miller

Back in 2012 I traveled to northeast Pennsylvania and south-central New York on a weeklong business trip. Before flying home I took an extra day to search for Herkimer “diamonds” near the small town of St. Johnsville, New York. The collectible crystals found near the communities of Herkimer and St. Johnsville are not truly diamonds – they are beautiful quartz crystals that are typically as clear as window glass and pointed on both ends. Commonly known as “Herkimers,” these doubly terminated quartz crystals are world famous. So I was really excited to have the opportunity to travel to the source location and search for these pointy gemstones while on a company-paid business trip.



Herkimers form in open cavities (vugs) that exist in hard dolostone bedrock (dolostone is a variety of sedimentary rock that is similar to limestone). The vugs in the rock can be tiny, or sometimes up to several feet across. The larger the vug, the larger the quartz crystals that may occupy a part of the vug.

Although there are several commercial mines in the central New York area that are open to the public for collecting Herkimers, I was advised to visit the “Crystal Grove Diamond Mine” because it is best known for having crystals attached to the cavity walls of the host rock. I arrived at the Crystal Grove quarry shortly after it opened at 9 AM. The attendant there provided a rough map of the quarry property and a brief description of the digging areas. I paid the attendant a \$10 fee for a full day of diamond collecting using the tools I had brought with

me (a 2-pound crack hammer, a rock hammer, a couple of chisels and a small pry bar). Tools also could be rented from the attendant.

The area I selected to work consisted of a ledge of exposed dolostone about four feet high with piles of broken rock below the ledge. I quickly learned that my small hand tools were no match for the tough rock that encloses the Herkimer vugs. A couple of experienced collectors showed me their techniques. They were using 16-pound sledgehammers, leaf spring wedges, and heavy pry bars to detach large blocks of rock from ledge and then roll the rocks onto the rubble pile below. Then they would break the large pieces of rock into smaller chunks that may contain vugs with Herkimers. With my small hand tools, I was only able to break up smaller chunks of rock that had been removed from the ledge and abandoned by earlier collectors. The photo below shows the ledge of dolostone that was being attacked by me and several other diamond-hungry enthusiasts.



Besides being hard, physical work, the weather was hot and humid and there was no shade available in the rock quarry. The experienced collectors had assembled pop-up canopies to shade their work areas. I wasn't so lucky, and I worked in the blazing sun and heat all day, taking frequent rest and water breaks to avoid heat exhaustion.

During my rest breaks I had the chance to see what the experienced folks were finding. Wow! One guy broke into a vug that was about a foot in diameter and more than two feet long. Needless to say, he found some real beauties!

Despite my inexperience and inadequate tools, I managed to find a few small vugs with beautiful Herkimers! Some of the crystals were totally clean when I broke into a vug. However, most of the crystals had a yellowish coating of iron oxide. All of the vugs with Herkimers were lined with a crust of druse quartz (a surface coating of tiny quartz crystals). Some of the vugs without Herkimers were lined with small rhombohedral crystals of the mineral dolomite. The photo below shows a typical vug with druse quartz and two nice Herkimers that were attached loosely to the wall of the vug. Note the yellowish film of iron oxide on the crystal surfaces.



Obviously, these lovely crystals would look much better if the iron oxide film could be removed safely. For that purpose, I used a remarkable product called “Super Iron Out.” This powder (sodium metabisulfite and sodium hydrosulfite) can be purchased at most hardware stores and is used for removing iron stains from hard surfaces and clothing. It does not damage the dolostone or the quartz. When mixed with warm water, it removes the yellow and brown iron stains from the surface of minerals in just an hour or two of soaking.

The two photos below show a Herkimer vug before and after soaking in Super Iron Out. What a difference! If any of your favorite rocks or minerals are stained with iron, give this product a try!



One of the most interesting vugs that I found was only about 2 inches long and appeared to be full of dirty sand. As I looked more carefully I realized that the sand actually consisted of dozens of loose, tiny quartz crystals, each of which was doubly terminated. When I later cleaned these little beauties and put them in a glass vial, they looked like a bunch of faceted jewels (see photo on the next page). It is easy to see how these lovely crystals came to be called diamonds!



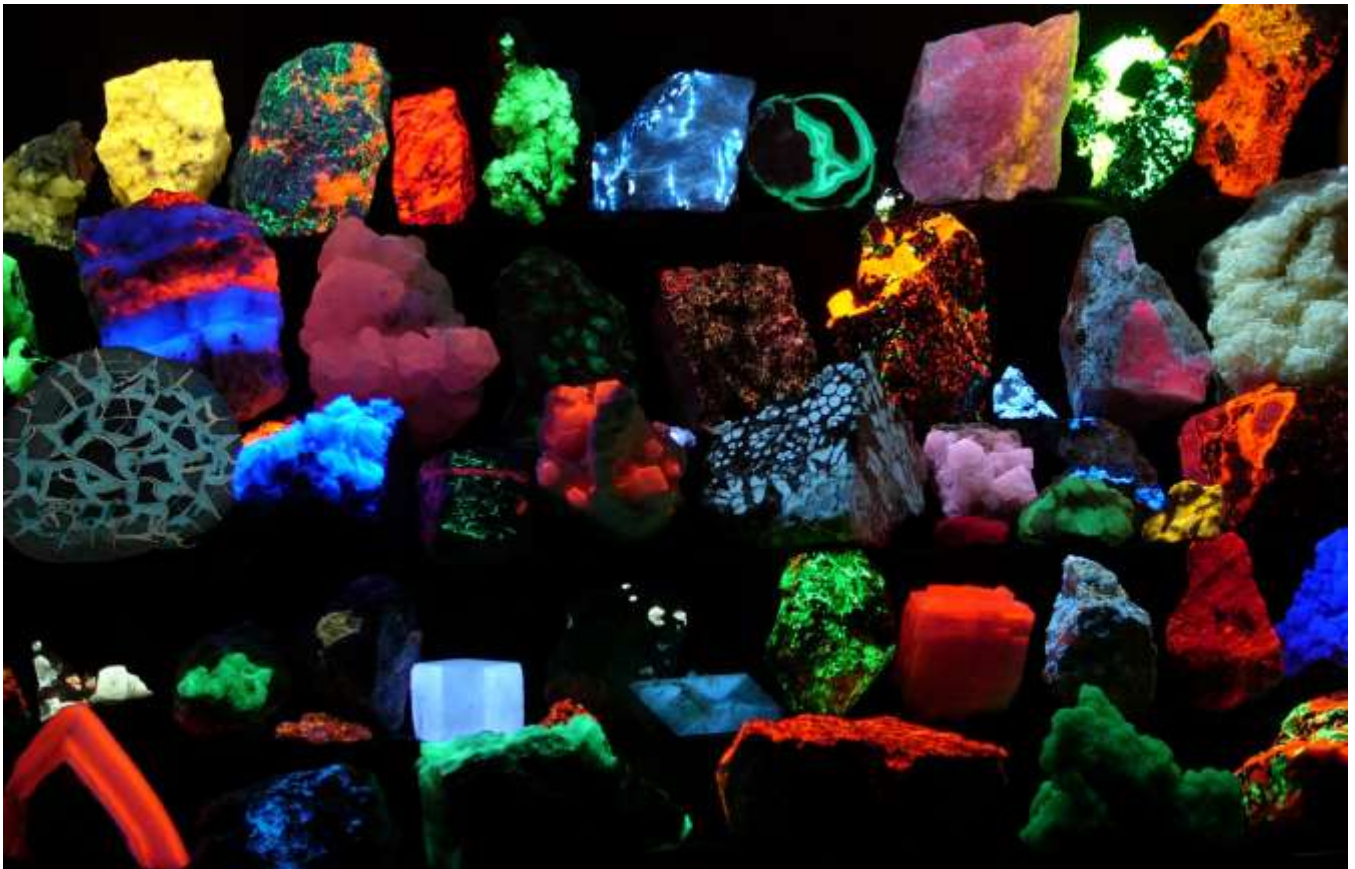
If you get a chance to visit central New York, I strongly recommend a visit to the Crystal Grove site. Go prepared for hard work and bring some large tools with you (or rent them somewhere). Given a chance, I would go again during cooler weather. This time I would be armed with heavier artillery! After all, it isn't every day that you get a chance to collect Herkimer diamonds!

Jim Miller

Luminescence

Some rocks emit light — luminesce — after some of their component minerals are excited by being hit with [electromagnetic radiation](#) such as UV light. All light waves are types of electromagnetic radiation, but visible light doesn't create luminescence.

Luminescence occurs when high-energy radiation is absorbed and some of it is re-emitted as a lower energy light in the visible spectrum. There are about 500 minerals that luminesce under UV light.



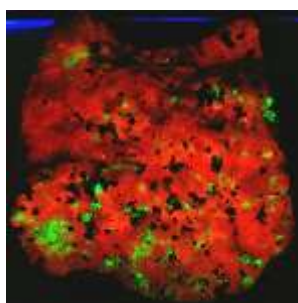
Fluorescent minerals by [Hannes Grobe](#); License [CC BY-SA 2.5](#)

Fluorescence

Fluorescence is one type of luminescence. Typically, non-visible light, e.g. UV light, is absorbed by an atom and part of that energy is re-emitted as a lower energy light somewhere in the visible spectrum from red to violet. The color of the

luminescence is distinctive for each mineral and wavelength of the light source. For example, calcite can become anything from hot pink to Halloween orange under various UV wavelengths. These vivid colors return to the familiar ones as soon as the high-energy input is shut off.

Diamonds can fluoresce in green, blue, or other colors depending on the mineral inclusions and UV wavelength.

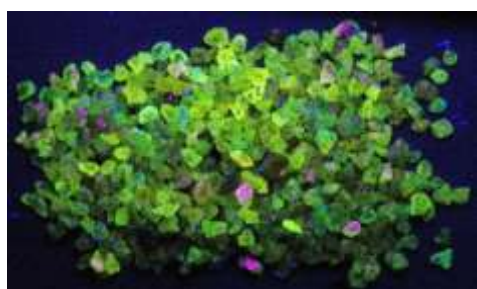


In these two photos of zinciferous marble from Franklin, New Jersey, we see three minerals and their colors under daylight on the left and UV light on the right.

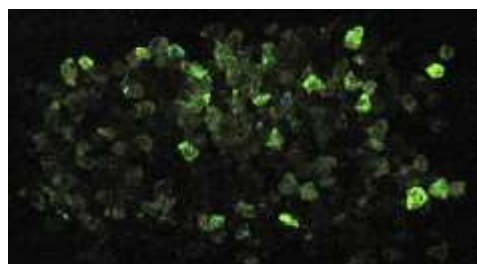
Zinciferous marble under sunlight and UV light.
by [James St. John](#); License [CC BY 2.0](#)

Mineral	Daylight color	UV light color
calcite	White	orange-red
willemite	Light brown	green
franklinite	black	Black (it doesn't fluoresce)

Phosphorescence



Another type of luminescence is phosphorescence. Unlike fluorescent minerals, phosphorescent ones might not start glowing immediately, but they will continue glowing for a while after the input source is turned off.



In the top photo we see a pile of diamonds fluorescing under a UV light. Below, the UV light has been turned off and the diamonds continue to phosphoresce.

Diamonds; 1 – 1.5 mm; from Zaire;
Fluorescing (top) and phosphorescing (bottom)
By [James St. John](#); License [CC BY 2.0](#)

Incandescence



In addition to luminescence, materials can glow from incandescence. In this process a glow is created by heating the mineral which in turn causes it to light up. This is called incandescence or hot light. Luminescence is called cold light, because heat is not involved.

Many years ago light bulbs used an incandescent process to generate light through heat. A lot of the energy was expended in creating heat rather than light, so those bulbs are far less efficient consumers of electricity.

Juniors display case

The lower right shelf of the wooden display case holds collections of individual Junior members. This month Antha's specimens are on display. Check out the display and ask Antha about her rocks. Next month Maddox will be showing his rock collection.

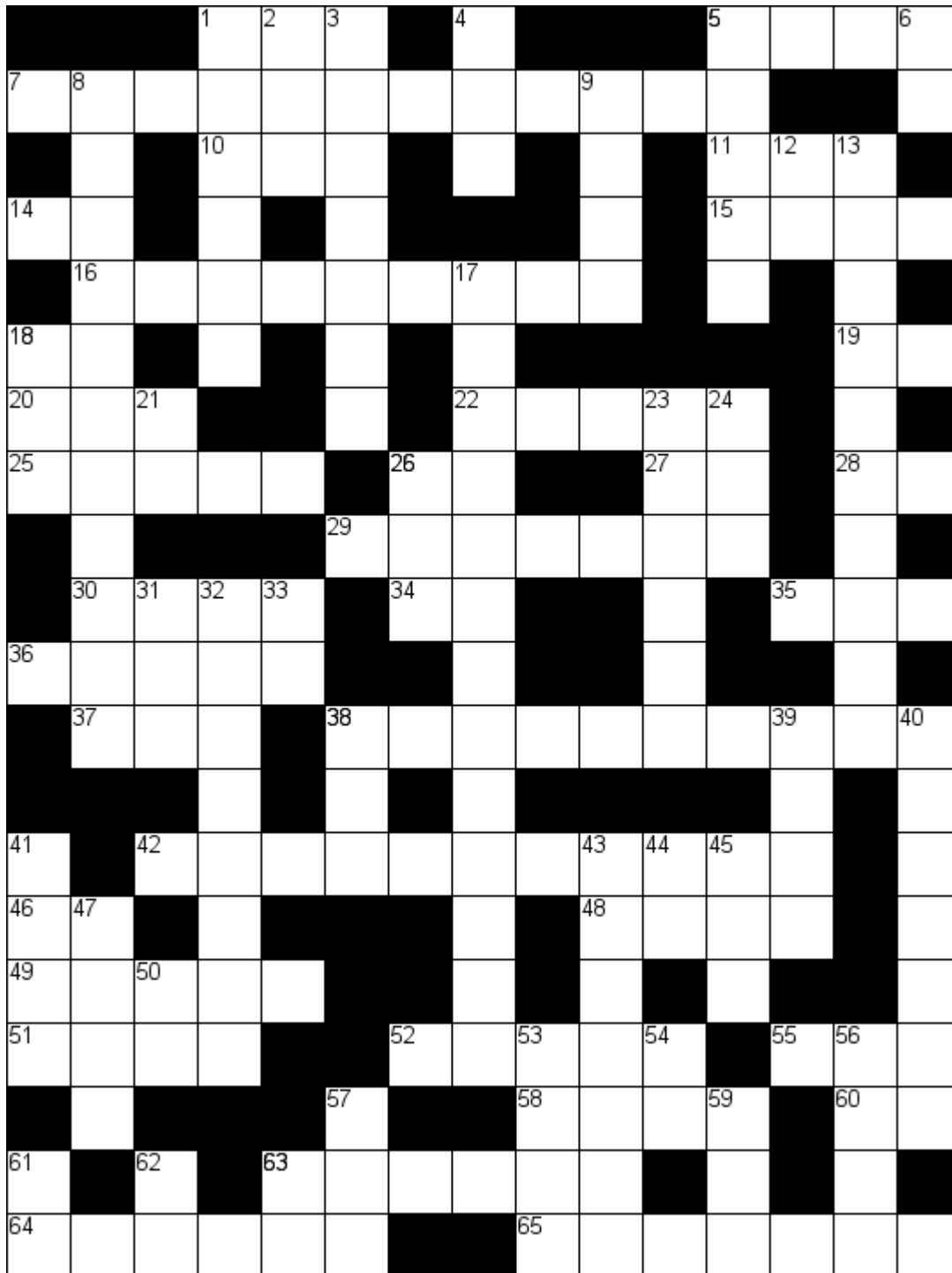


Hi! My name is...

Do you have a name badge? If you joined in the past year and haven't picked up your new badge, please find Linda Willemarck at the meeting and she will probably have yours. She's usually in the back by a table with a box of badges.

If you had a badge and cannot find it, you can order a new one. Talk to Linda at the meeting.

Luminescence Puzzle



Across

- 1 a casual way to refer to someone who has a PhD in medicine
- 5 desire or wish
- 7 emission of light caused by shining UV light on some minerals
- 10 A state with three official state rocks: granite, marble, and slate. This small state would be on the Atlantic, if New Hampshire wasn't in the way.
- 11 not night
- 14 a company department that manages computers and keeps them secure and working
- 15 When a rock luminesces, the rock has a _____.
- 16 electromagnetic waves such as light. X-ray machines produce this type of energy.
- 18 The official mineral of this state is agate. For hundreds of years the state has had a popular Mardi Gras festival.
- 19 a Greek letter that sounds delicious
- 20 mammal eggs
- 22 You might relax on this in your living room after a long day of rockhounding.
- 25 not dark
- 26 "you" in slang as in "See _____ later!"
- 27 friendly greeting
- 28 in a letter or email this abbr. means "about"
- 29 relating to heredity
- 30 final, end
- 34 The Fairburn Agate is the state gemstone of this state which is more famous for the 4 presidents carved into the rock of Mt. Rushmore.

- 35 You can add to your rock collection if you _____ in our Silent Auction.
- 36 You've probably seen this very large bird around water. It should be blue but it just looks gray.
- 37 "_____ Talks" are videos from experts on business, science, tech and more.
- 38 When a plant or animal that lived in a past geological age left preserved remains, shells, or impressions, we say it is _____.
- 42 Type of light bulb popular before LEDs.
- 46 Ma's sweetie
- 48 region. If you prefer math, it's length x width.
- 49 type of chalcedony; kids and adults like to look for this on beaches
- 51 crazy _____ agate
- 52 a great place to find agates or jasper next to a lake or large body of water
- 55 rough calculation, abbr.
- 58 "Bye" to Giovanni
- 60 not "she" or "they"
- 63 useful for carrying rocks you find
- 64 how you likely feel after hearing a joke
- 65 Semiprecious and precious gems can have many types of these, like fractures or inclusions.

Down

- 1 separate or sort
- 2 the loneliest number
- 3 sure
- 4 a spooky month
- 5 a tool used with a hammer to break rocks apart
- 6 a quick "thank you" in Sydney

- 8 beyond purple in the rainbow
- 9 a great time for lunch
- 12 state where the official rock is marble;
This state is directly west and north of FL
- 13 a rock from the upper peninsula of MI
that glows under UV light
- 17 Glowing caused by heat. Common light
bulbs used to light up from this, but LEDs
don't heat up in order to glow.
- 18 "That's funny" in texts
- 21 chief atty. for a state or the USA
- 23 a bladed tool used with a hammer to split
or carve rock
- 24 sound someone makes when they are
having involuntary spasms of the diaphragm
- 26 The best answer to "Can you help with a
job at the club?"
- 31 "were" in the present.
- 32 A mineral with a name that sounds like a
diet soft drink. It's often royal blue.
- 33 Limestone is the state rock of this place.
This state is famous for Dollywood, Graceland,
and whiskey.
- 38 State with agatized coral as its state
stone. They have about one alligator for every
20 people. Abbr. is the first 3 letters of the
name.
- 39 To an English speaker, this Greek letter
seems like it should be the last one in the
Greek alphabet, but it's not.
- 40 a place that rockhounds return to and
where they use shovels to find cool rocks
- 41 a mineraloid that is a form of silica with a
water content usually between 6 and 10%.
There are two main types. Precious ____ has
iridescent fire inside. Common ____ has
none. Thunderegg often have common ____
inside.
- 43 This mineral is the main component of
limestone and it glows under UV light.
- 44 um; something to utter when you don't
yet have words
- 45 something to catch fish with
- 47 jelly-like substance made from red algae
that is popular in Asian desserts and as a
substance to grow bacterial cultures
- 50 cooling system for a building; abbr.
- 53 Did an outstanding job, like on a test
- 54 the sound of laughter
- 56 vaccination
- 57 something that rockhounds must endure
at some wet collection sites
- 59 thunderegg is the official rock for this
state which is also known for obsidian,
sunstone, and cheddar cheese
- 61 Egyptian god of the sun, sky, and light
- 62 a Greek letter representing the prefix
"micro" or one millionth of a part.
- 63 Hamlet's conundrum: "To ____ or not to
____"



Rags needed!

When the oil-cooled saws are cleaned, the volunteers use rags and then throw them away. They need a continual supply of old towels they can use and dispose of. Any size towel is appreciated.

Please donate any old towels you can spare. Just bring them to a member meeting and give them to one of our shop Stewards: Rich Osborne, Bruce Samuels, Ashley Martin, and Nathan O'Brien.

Our Maplewood Club

Rock of the Month

At the monthly meetings we usually enjoy a 20–30-minute presentation about rocks, minerals, or lapidary. We call this the Rock of the Month presentation. Members and people from the community can give this presentation; it's nice to have a mix of topics and knowledge bases.

What is your arena of expertise or skill? Our past president, Michele McGraw, has been talking with various members about sharing their knowledge by giving a Rock of the Month presentation. If she asks you, please consider giving a short talk at a meeting. If she hasn't asked you yet, please talk with Michele or a Board member to explore how you can enrich the club experience for our members.



Jason Sedivy who gave a Rock of the Month presentation on metal detecting.

Do you know of an outside expert who might speak at a meeting? Please tell a Board member about them.

Library

Our library is open for perusing and borrowing books at each meeting. Stop by to see what interesting books you find on the shelves. If you have questions, ask Nancy Ross, our Librarian.

Silent Auction

Paul Newby chooses about 10 rock or mineral specimens for the silent auction at the meeting each month.



Spread some sunshine

Nancy Ross is our Sunshine committee. If you are aware of a member who might be cheered by a get-well card, please contact her, and she will write and send a card.

Grit for sale

The Shop Stewards have grit. On Thursdays when the shop is open you can buy grit. Please let them know a day ahead that you will stop by to purchase grit.

To contact the Shop Stewards, email shop@maplewoodrockclub.com

Each grit package is \$4, and this is what they sell:

- 1 lb of 60/90
- 1 lb of 120/220
- $\frac{3}{4}$ lb of pre-polish
- $\frac{1}{2}$ lb of polish

Lapidary Shop

Our lapidary shop is reserved for members who have paid their dues. Inside are five slab saws, three CabKing™ machines for polishing cabochons, and two trim saws.

Sign up for shop time

All shop users must sign up for a time slot at least a day before the session. On their first visit, new shop users will be trained on shop procedures and safety before being able to use any equipment.

You can [sign up for shop time online](#). The system will send you a confirmation email which you should save until after your session. You will need the email if you want to cancel your reservation. Each Thursday we have shop sessions available:

- Session 1: 3:00 to 5:30 pm
- Session 2: 5:30 to 8:00 pm (except on the first Thursday of each month)

How to cancel

If you sign up for shop time online and later realize you won't be able to make it to the session, you need to cancel your reservation no later than the day before the session. This enables someone else to sign up. If you do not cancel, you will be charged for the session. To cancel, click the link in the confirmation email you received after you signed up.

What to bring

You need to bring \$7 (cash or check) to pay for the session. Additionally, you might like to bring these:

- Face mask to not breathe rock dust or for Covid protection
- Hearing protectors

Before you leave the shop

The shop stewards are volunteers who generously give 6 hours a week to enable us to use the tools. Before you leave a tool station, please wipe it down and leave it in the same condition as you found it. If you discover a problem with a saw or tool, please let the Shop Steward know.

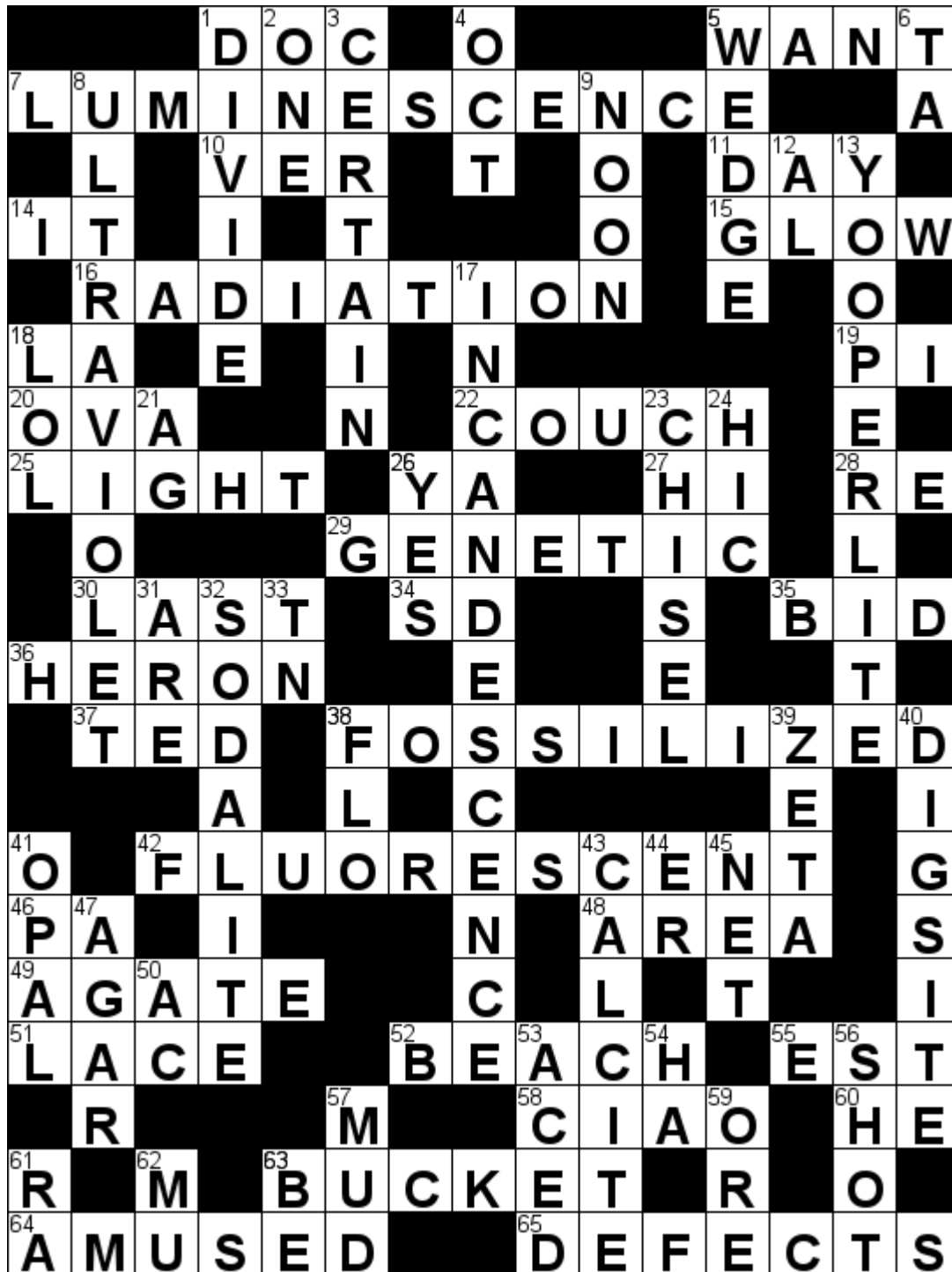
Shop Stewards

Rich Osborne
Bruce Samuels
Ashley Martin
Nathan O'Brien

Shop@maplewoodrockclub.com



Puzzle Answers



Connect with us

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

Facebook page: Maplewood Rock & Gem Club

Facebook group for members: MRGC Sales and Trades

Email us: info@maplewoodrockclub.com

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



Our Board

Our club is run entirely by volunteers; and we are grateful for the time, energy, and expertise they give to our community.

President: Chris Huffines

Secretary: Nancy Samuels

Treasurer: Bruce Samuels

Members at large: Linda Willemarck, Paul Newby, Marion Richards, and Randy Peterson

Image licenses

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

Rock lovers everywhere

East King Co. Show



**2024 East KingCo
Rock & Gem Show**
March 2-3, 2024
10 to 6 (Sat), 10 to 5 (Sun)
Pickering Barn
1730 - 10th Ave. NW (by Costco)
Issaquah, WA 98027
Admission: \$1
(Kids 12 and under: Free!)

- 30 Gem, Jewelry & Mineral Dealers
- Gem & Mineral Displays
- Stone Sculpture Exhibit
- What's My Rock?
- Door Prizes
- Silent Auction
- Kids' Activities

 **EastKingCo.org**
Photo and graphics by Bruce Kelley



The logo is circular with the text "EAST KINGCO ROCK CLUB, INC." around the top and "REDMOND, WASHINGTON" around the bottom. In the center is a map of Washington state with a hammer and pickaxe crossed over it.

Trips and Shows

Here are many shows and field trips in our area. If you know of a show or field trip not listed here, please contact Nancy Samuels at mrgc@nancysamuels.com.

We have copied field trip information from the [Mineral Council website](#). However, you should check their website for updates. Please contact the person at the club hosting the field trip to let them know you are coming and to learn of any changes to the information given here. Many trips require a Discover Pass, Trailhead Pass & Forest Pass. Ask the host about required parking passes.

Contact information for the clubs:

Club	Contact person	Email	Phone
Cascade Mineralogical Society	Roger Danneman	Roger.Danneman@gmail.com	
Marysville	Ed Lehman	wsmced@hotmail.com	H (425) 334-6282 C (425) 760-2786
Marysville	Nique Wicks	nwhoppyfrog41@gmail.com	(509) 670-0630
Darrington	Nique Wicks	nwhoppyfrog41@gmail.com	(509) 670-0630
Opal	Tony Johnson	ynotopals@outlook.com	(253) 863-9238
Puyallup Valley	Dennis Bachelor		(360) 870-8741
All Rockhounds Pow Wow (small fee)	Larry Vess	vessel3755@gmail.com	(253)473-3908

Date and Time	Host and Location	Details
March 2	Cascade Mineralogical Society Mt. Baker	Field trip for Dunite and olivine
March 2 10 am – 6 pm	East King County Rock Club Pickering Barn	Show Admission \$1 for ages 13 to adult
March 3 10 am – 5 pm	1730 10 th Ave. NW Issaquah, WA 98027	Ages 12 and under are free.

Date and Time	Host and Location	Details
March 16 9 am	Marysville Rock Club Cherry Creek site Duvall and Cherry Valley Road	Field trip for Jasper Bring: Rock hammer and small pick
March 23	Cascade Mineralogical Society Mt. Baker	Field trip for Agate, gneiss, jasper
April 6 – 7 10 am – 5 pm	Maplewood Rock and Gem Club 8802 196th St. SW, Edmonds	Show
April 6 – 7 10 am – 5 pm	<u>East King County Rock Club</u> Pickering Barn 1730 10 th Ave. NW Issaquah, WA 98027	Show Vendors are signing up now: shows@maplewoodrockclub.com
April 20 8 am	All Rockhounds Pow Wow Saddle Mountain site Matawa Boat Launch	Field trip for petrified wood Bring: Shovel, rock hammer, small pick
April 20	Cascade Mineralogical Society Biggs Junction, OR	Field Trip for Jasper and agate
April 21	Cascade Mineralogical Society Saddle Mountain	Field trip for Petrified wood
April 28	Cascade Mineralogical Society Saddle Mountain	Field trip for Petrified wood
May 11	Cascade Mineralogical Society First Creek	Field trip for Agate, crystals, and geodes

Date and Time	Host and Location	Details
May 18 9 am	Darrington Rock Club Bailey Trail site Verlot Ranger Station	Field trip for chert Bring: rock hammer, large hammer, and pry bar
May 19	Cascade Mineralogical Society First Creek	Field trip for Agate, crystals, and geodes
June 8	Cascade Mineralogical Society Little Naches	Field trip for Thunder eggs, lily pad jasper, and leaf fossils
June 15 9 am	Marysville Rock Club Saddle Mountain Matawa Grovery	Field trip for petrified wood Bring: shovel, rock hammer, small pick
June 15	Cascade Mineralogical Society Red Top	Field trip for Agate, jasper, and geode fragments
June 29-30	Cascade Mineralogical Society Kent Commons	Rock, Gem, and Jewelry Show
July 20 11 am	Darrington Rock Club Sweetwater	Field trip for travertine Bring: rock hammer, 3-pound hammer, chisel, small pry bar
Aug. 10 – 11 10 am – 5 pm	Maplewood Rock and Gem Club	Show
Aug. 17 – 18 9 am	Puyallup Valley Green Water FR 70 at the washout	Field trip for jasper, opal Bring: shovel, small pick, rock hammer, 3-pound hammer
Aug. 24 9 am	Marysville Rock Club Lake Wenatchee State Park	Field trip for garnets Bring: small shovel, ¼" mesh screen box, tweezers

Date and Time	Host and Location	Details
Sept. 7 – 8 8 am	All Rockhounds Pow Wow Red Top Teanaway Campground	Field trip for agate, jasper, geodes Bring: shovel, small pick, rock hammer, 3-pound hammer, and chisel
Sept. 21 10 am	Opal Little Naches Hwy 410 & FR 91	Field trip for thundereggs, fossils, lilypad Bring: shovel, small pick, rock hammer, 3-pound hammer, and chisel
Oct. 19 9 am	Darrington Rock Club Index Hwy 2 and Index Rd	Field trip for picture jasper Bring: rock hammer, wading boots
Nov. 16 9 am	Marysville Rock Club Blanchard Hill 15 and Alger Rd Gas and Go	Field trip for dalmation stone Bring: heavy hard rock tools, safety glasses
November	<u>Maplewood Rock and Gem Club</u>	Community Demonstration Show
December	<u>Maplewood Rock and Gem Club</u>	Holiday Gift Show

Discover Pass Free Days

Normally, you need a Discover pass to park at Washington state parks, Washington Departments of Fish and Wildlife land, and Natural Resources (DNR) land. But, on the following days, you don't need a pass.

Jan. 1 – First Day Hikes; New Years Day	June 9 – Free Fishing Day
Jan. 15 – Martin Luther King, Jr. Day	June 19 – Juneteenth
March 9 – Billy Frank Junior's Birthday	Sept. 28 – National Public Lands Day
March 19 – State Parks' 111 th Birthday	Oct. 10 – World Mental Health Day
April 22 – Earth Day	Nov. 11 – Veterans Day
June 8 – National Get Outdoors Day	Nov. 29 – Autumn Day

Rock Candy



Petrified wood from the Petrified Forest National Park in Arizona

Washington State Mineral Council

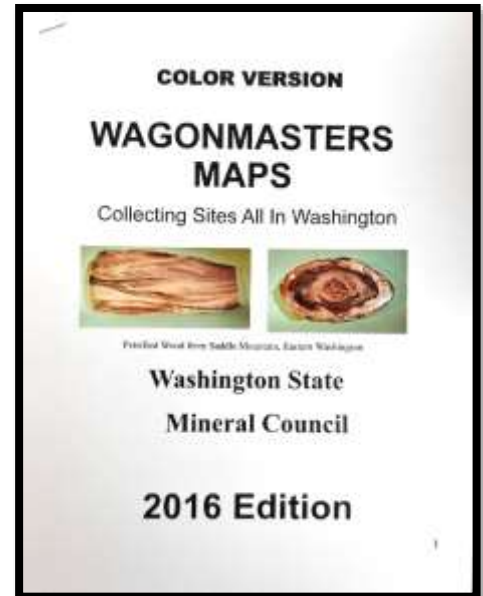
Our club, along with many other rock and gem clubs in the state, is a member of the Washington State Mineral Council. This organization helps us by

- 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](#).

Maps for Rockhounds

The Washington State Mineral Council has put together a 62-page booklet with maps for finding rock hounding sites. You can buy a copy for only \$20 at the meeting.



Seattle Regional Gem and Mineral Shows Committee

Our club is a member of a Seattle area organization of rock clubs. Together we share wooden display cases that we use at our shows. These cases are stored in the new shed behind our building. The other member clubs are the North Seattle Lapidary Gem and Mineral Club and the West Seattle Rock Club.

Northwest Federation of Mineralogical Societies

Our club is a member of the Northwest Federation of Mineralogical Societies: <http://Northwestfederation.org>.

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 the eastern section into the ocean 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.



News to share?

Did you go rockhounding? Have you acquired a beautiful new specimen? Please send stories, images, or simply ideas for articles that Nancy would write to the newsletter editor, Nancy Samuels at MRGC@nancysamuels.com.

This issue

Maplewood Rock and Gem Club
News

Volume 2, Publication year: 73