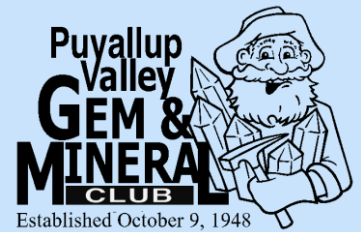


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 68

Volume 121

September

2023

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President's Perspective

Tony Johnson

We made it through August!!!! It has been a busy month, but we got a lot done in a short amount of time, but it was all very fun!

The Show in the Trees was a lot of fun, amazing vendors, great volunteers, and an impressive chef!!! Haha, it was the chef assistant, Larry & Debbie Mays who helped pull it all together.

The overnight was also so much fun! Last year the hot bed was the red and black agate site, and this year it was the George Creek Jasper site. It is a multicolored jasper that everyone had a lot of fun gathering.

The Picnic was also a lot of fun! Club member Kathy Brown made it out to visit with everyone. Can you believe she has been a member for 60 years! She is a true treasure for the club.

Field Trip Report

September 17 - Little Naches

Meeting place - 9:00AM on Hwy 410 at Forest Rd 19, mile marker 92

Hunting for - Jasper, Agate, Petrified wood, Thundereggs

Tools you need - **Rock hammer**, shovel, **pry bar**, hammer, **chisel**, treasure scoop, waders, and a backpack/bucket for your treasures

Access - moderate terrain, 1/2-mile hike to thunderegg site

Additional items - lunch/snacks and water, water, water. Dress in layers. Be prepared for ticks/mosquitoes

October 15 – Jordan Creek (Marblemount)

Meeting place - 10:00AM at Marable Mountain Fish Hatchery Hwy 20

Hunting for – Listwanite and Jade

Tools you need - Rock hammer, rubber boots or waders, and a backpack/bucket for your treasures

Access - moderate terrain, ½ mile hike from hatchery

Additional items - lunch/snacks and water, water, water. Dress in layers. Be prepared for ticks/mosquitoes

Please remember that even though we love to meet new people, fieldtrips are a member benefit and part of your membership dues covers you for injury liability.

Though injuries are rare, and we do everything we can to avoid them, we are going out into nature, and uncontrollable environment.

All individuals attending field trips will have to sign a release of liability, and if you are bringing guests, we will try to entice them into join the club by having Membership applications available.

SEPTEMBER 2023 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Friday				
2	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Tony Johnson
3	Sunday				
4	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
5	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
6	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
7	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
8	Friday	6:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
		7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
9	Saturday	10:00AM-2:00PM	Intro to Carving	Club House	Craig Oda
10	Sunday				
11	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
		7:00PM-8:00PM	Opal Club Business Meeting	Club House	Tony Johnson
12	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
13	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
14	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
15	Friday				
16	Saturday	10:00AM-2:00PM	Little Naches	Field Trip	Nate White
		10:00AM-2:00PM	Members Open Access	Club House	Tony Johnson
17	Sunday				
18	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
19	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
20	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Weaving	Club House	Jillian Higgins
21	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
22	Friday	7:30PM	Club Program Night	Fruitland Grange	Tony Johnson
23	Saturday	10:00AM-2:00PM	Intarsia	Club House	Tony Johnson
24	Sunday				
25	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
26	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
27	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
28	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
29	Friday				
30	Saturday	10:00AM-2:00PM	Opal Cutting	Club House	Tony Johnson

For questions about a specific class or event, contact the instructor

Dennis Batchelor (360) 870-8741	Ed Knoll (253) 651-7453	Tony Johnson (253) 863-9238
Tasha Parker (206) 291-8068	Kevin Higgins (253) 579-3404	Glen Ripper (253) 508-7545
Renera Barnes rsb1224@netscape.com	Jillian Higgins (253) 355-3146	Nate White (206) 349-7054

*** **Members Open Access** is the time when members can use the saws and cabbng machines

This schedule is subject to change. Please check the club website for updated information.

MEET THE MEMBERS

Name: Michael Day

What are your skills/past experience with the rock Club or rock hounding? None/ being able to bend over and pick up the rock.

What is your favorite rock, mineral or gem? Agates

What is your favorite thing to do with rocks, minerals or gems? Finding them because it's always an adventure and feels like an all year easter egg hunt.

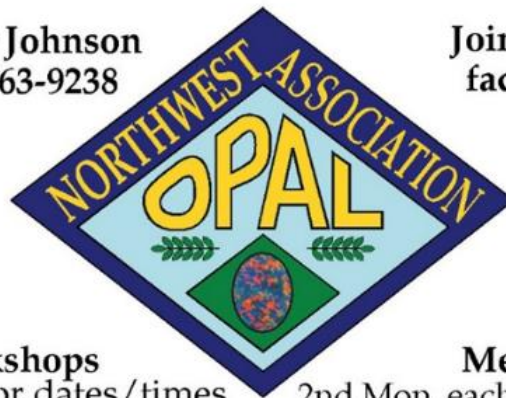
What is your favorite memory surrounding rockhounding/rocks in general? When I was younger my father and I would search the large sand pit on my grandparent's farm in MN for agates. More recently we were floating the Newaukum River and came across a duck with a large flock of ducklings. Just so happen that an eagle and owl were also eyeing the babies so we got to see them fly overhead a couple times as we all worked our way downstream.

In your opinion, what is the best thing about the Puyallup Valley Gem & Mineral Club? The instructors that I have learned from. They always make the person feel confident about the work they are doing and have some vast knowledge that they are willing to share.

What is your greatest accomplishment? I'm not dead yet so I have time to accomplish many other things that could be my greatest.

Tony Johnson
253-863-9238

**Join us on
facebook**



Workshops
call for dates/times

Meetings
2nd Mon. each month

Clubhouse report

Tony Johnson

The clubhouse is going well. We have some new pumps coming to help add more spritzing to the machines to help keep the wheel wet. This is also help cut down on rock dust and hopefully extend the life of the wheels.

We are planning on having a Clubhouse committee meeting in October, so if you have any suggestions, questions, comments, concerns, etc, please let your clubhouse instructors know and they will bring it to the committee for their consideration.

Associations Director Report

Hello my fellow rockhounds and pebblepups.

There again isn't anything to report so I thought I would cover the rules and regulations for DNR land in Washington State.

DNR manages two types of land:

1. State-owned aquatic land (the lands beneath the navigable water in the state).
2. State Trust land that the DNR manages in trust to provide revenue for various public institutions, including K-12 schools, universities, counties and junior taxing districts.

The DNR authorizes non-commercial gathering of rocks/minerals/fossils for recreation, research or educational purposes under the following conditions:

1. Individual recreational rockhounding/Mineral collecting on State Trust land is authorized without a permit.
2. Group recreational rockhounding/mineral collecting/educational activity is authorized by a non-exclusive land-use license for a fee. (Contact Jason Center for permit 360-790-8179).
3. DNR must have legal access which allows recreational use (e.g. don't block gates or roads).
4. Recreational rockhounding is not allowed in or near typed water*, also the activity must avoid special habitats per DNR's HCP (i.e. talus slopes, caves, cliffs etc.).
5. No mechanized equipment (or explosives) is allowed for exposing, collecting or transporting to a vehicle.

Gold planning is not allowed on State Trust land. It may be authorized on State-owned aquatic lands but the individual must obtain a use authorization from Aquatic Resources Division. If you get authorization, you will also need a copy of the Gold and Fish Pamphlet on you at all times.

Due to the rarity of meteorites, vertebrate fossils or any archeological or historic artifacts cannot be collected without a permit. Permits will only be granted for scientific purposes. If you've discovered any of these items please contact the appropriate agency (for example Washington Department of Natural Resources).

Rockhounding is not permitted on these lands:

National Parks
National Monuments
National Wildlife Refuges
National Scenic Areas
Tribal Lands

* Water Type Classifications

Type "S" = Shorelines : Streams and waterbodies that are designated "shorelines of the state" as defined in chapter 90.58.030 RCW

Type "F"= Fish : Streams and waterbodies that are known to be used by fish or meet the physical criteria to be potentially used by fish. Fish streams may or may not have flowing water all year round, they may be perennial or seasonal.

Type "Np"= Non-fish : Streams that have flow year-round and may have spatially intermittent dry reaches downstream of perennial flow. Type No streams do not meet the physical criteria of a Type F stream. This also includes streams that have proven to not contain fish using methods described in Forest Practices Board Manual Section 13.

Type "Ns"= Non-fish Seasonal : Streams that do not have surface flow during at least some portion of the year and do not meet the physical criteria of a Type F stream.

Type X is a symbol on DNR maps that identifies various water features (for example irrigation ditches, sanitation ponds, pipelines etc.) which are not part of the above classifications.

Type U is a symbol on DNR maps that identifies unknown water features that need to be verified and identified on proposed forest practices activity maps.

All this information and more may be found at <https://www.dnr.wa.gov><rockhounding

Respectfully, Mark Baumann Associations Director

You Know You Are Into All things Geology When...

1. Your wife also likes simulants but your love for real gemstones sees these imposters worthy of ridicule.
2. As a rockhound you are asked why go out and collect rocks when your yard, not to mention the city, is loaded with them and you fail to see the humor in it.
3. You find yourself walking past some decorative stone landscaping and pausing to look for anything interesting.
4. You were given a set of nice Thai rubies by your parents, and later some sizable alexandrite, only to have your hopes and the dollar signs in your eyes and brain deflated when finding out they were, well, the subject of point number one above.
5. You need to remind yourself that newbies to the lapidary and mineral collecting hobbies don't have command of the vocabulary that you have.
6. You carry around a particular rock you found on one of your rockhound field trips and make it your personal pet. (Anyone remember pet rocks?)
7. You see hidden patterns in a stone that nobody else (in their right mind) sees.
8. That bucket of rocks you purchased at a gem and mineral show overturns in the bed of your pickup and makes an ungodly racket with each curve and pothole.
9. You discover there's never enough display space for your wonderful collection.
10. You discover no less than a few duplicate books in your library. (You can never have too many rock and mineral books!)
11. You're dreaming of a nice rockhounding venture, find nice specimens then wake up and realize it was only a dream. Bummer!
12. You peruse Rock and Gem magazine ads and salivate, which leads to...
13. You dream of the perfect lapidary shop in your garage and even find yourself figuring out all the neat tools and equipment needed to fill it out.
14. You drive down the freeway and wonder what hidden treasures lie buried in that river or valley you're crossing.
15. The next rock club field trip elicits excuses for the sick day from work you're now planning. (Cough, cough...hack hack.)
16. Most normal people plan vacations to exotic destinations, but you are thinking of something more down-to-earth, like a mineral dig site.
17. The fee dig sight seems a little exorbitant, but you justify it in your mind with the nice treasures you tell yourself you will find.
18. Playing in the dirt isn't just for kids.

All in All You Really are Normal!

Aventurine

A translucent quartz or quartzite with sparkling reflections. It occurs in a range of colors.

Author: [Hobart M. King](#), PhD, GIA Graduate Gemologist



Translucent Aventurine: A small polished piece of aventurine about three centimeters across that shows the translucence, highly included nature and aventurescence of the material. The green inclusions in the stone are fuchsite, a green, chromium-rich mica similar to muscovite.

Aventurine is a variety of translucent [quartz](#) or [quartzite](#) with abundant small plate- or flake-shaped [inclusions](#). Light entering the quartz strikes these inclusions and reflects from them. This produces a sparkly appearance known as "aventurescence." The

inclusions can also impart a distinct, and often beautiful, color to the material.

When the inclusions are abundant and in a common orientation, their reflections can be eye-catching. This property, along with desirable colors, are what give aventurine its appeal as a [gemstone](#). Aventurine is most often green, but also occurs in orange, yellow, red, pink, brown, white, gray, and blue.

Spelling Note: Aventurine is spelled with a "v" as the second letter, but many people think the second letter is a "d". Speak distinctly and write carefully to help them learn.

Pink Aventurine: This photograph shows a tumbled stone of pink aventurine. The pink color and aventurescence is produced by tiny flakes of lepidolite mica within the quartz. Click [here](#) for a close-up view that shows how few flakes of lepidolite are needed to impart color in aventurine. Using a gemological microscope and focusing on individual flakes below the surface of the stone often reveals their pseudo-hexagonal habit.





Colorful Aventurine: Pieces of green, yellow, and reddish-orange aventurine tumbling rough from India. These pieces of rough average about 3 centimeters across.

The most common inclusion in aventurine is [fuchsite](#), a green chromium-rich mica. Just a few percent fuchsite by volume can impart a distinct green color to aventurine.

Some specimens of aventurine contain ten to twenty percent fuchsite. Such a large amount can cause problems. If the fuchsite flakes are in a common orientation, they can impart a "cleavage"

to the material. If the grains are coarse, they can form pits at each location where they intersect the polished surface.

Small reflective particles of other materials can cause aventurescence in quartz and quartzite. Flakes of [lepidolite](#) mica can impart a pink, red or purple color. [Hematite](#) and goethite can produce pink, orange, red, and brown aventurine. [Muscovite](#) and [ilmenite](#) can produce gray, yellowish or silvery aventurine. The bright reflections and attractive colors make aventurine a popular semiprecious gemstone.

Blue Aventurine: A blue specimen of aventurescent quartz from India. This specimen is about ten centimeters across.

Small amounts of aventurine have been found in many parts of the world. [India](#) is by far the most important commercial producer of aventurine. [Brazil](#) is the second-place producer. [Russia](#), [Spain](#), [Austria](#), and [Tanzania](#) produce smaller amounts of aventurine.

Some people hold the opinion that most of the material sold today as "aventurine" has inadequate aventurescence to merit the name. Immediately discernible aventurescence in quartz is hard to find, and remarkable aventurescence is rare.



Physical Properties of Aventurine

Chemical Classification	Silicate - SiO ₂
Color	Usually green. Also orange, yellow, red, pink, purple, white, brown, and blue.
Streak	Colorless (harder than the streak plate).
Luster	Vitreous, aventurescent.
Diaphaneity	Translucent to nearly opaque.

Cleavage	None, conchoidal fracture. Abundant mica inclusions with a common orientation can cause a preferential direction of easy breakage.
<u>Mohs Hardness</u>	6.5 to 7 (A lower apparent hardness is observed if mica inclusions are abundant.)
Specific Gravity	2.6 to 2.7 (can be higher if heavily included)
Diagnostic Properties	Aventurescence, often green, hardness, conchoidal fracture. Microscopic examination with darkfield illumination will show tiny color-causing inclusions.
Chemical Composition	SiO ₂
Crystal System	Trigonal.
Uses	Gemstones, small sculptures, utility items, ornamental stone.

Aventurine has most of the properties of quartz, its dominant ingredient. The presence of inclusions gives the quartz its aventurescence and alters some of its other properties.

Aventurine can have an apparent hardness of less than 7. The most common mineral inclusions associated with aventurine all have a hardness lower than the 7 of quartz. Abundant inclusions weaken the material and result in a lower apparent hardness.

Many of the common aventurine inclusions have a specific gravity that is higher than quartz. If abundant, inclusions such as hematite, ilmenite, and goethite can give aventurine a specific gravity that is higher than quartz.



Aventurine Cabochon: A brightly polished cabochon cut from a piece of light green aventurine.

Green aventurine is a common material used to produce beads and cabochons. These are used to make earrings, pendants, rings, and other jewelry. Other colors of aventurine are used to produce these items, but they are seen less often because nice aventurine in those colors is less common.

Aventurine is sometimes used to make bowls, vases, and small sculptures. Green aventurine is a popular and less expensive alternative for jade and amazonite. Some buyers simply want an attractive

green stone, and the flash of aventurine suits them.

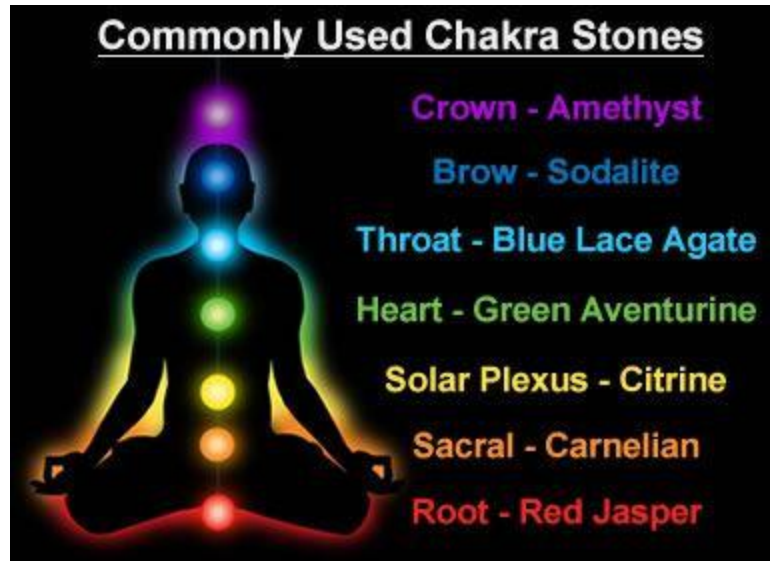
Chakra stones: Chakras are "spiritual centers" of the body. Commonly used chakra stones include: amethyst (crown chakra), sodalite (brow chakra), blue lace agate (throat chakra), green aventurine (heart chakra), citrine (solar plexus chakra), carnelian (sacral chakra), and red jasper (root chakra). Image copyright iStockphoto / Artecke.

Aventurine as a "Healing Crystal"

Many people use tumbled stones in crystal healing, color therapy, or other types of alternative medicine. The stones are placed on the body where discomfort occurs or on "spiritual centers" known as "chakras." Green aventurine is often used to represent the fourth, or heart, chakra.

These practices have a long history of use, and some people report benefits. But, they have not been scientifically proven to cure any condition that they are used to treat. Medical experts consider their benefits to be a result of the placebo effect.

The treatments themselves are usually not harmful. However, some people delay seeking genuine medical care while a dangerous condition is progressing.



Tumbled Aventurine: Light green aventurine that has been tumble-polished into attractive polished stones. Image provided by RockTumbler.com.

Aventurine is an inexpensive and popular material for making [tumbled stones](#) in a [rock tumbler](#). If the mica particles are small, a smooth and lustrous finish can be produced. Coarse mica particles tend to pluck out, giving the polished stones a pitted appearance. Aluminum oxide, cerium oxide, and tin oxide will all produce a bright polish on aventurine.

Dyed "Aventurine": Aventurine with very faint aventurescence and common quartz are often dyed to produce brightly colored cabochons and other items. The dyed cabochons in the photo above were sold as "aventurine" by



several different vendors. Shoppers should be aware that not all stones sold as "aventurine" are worthy of the name. Be cautious, especially when you see outrageous colors.

Aventurine and translucent quartz without aventurescence are often dyed bright colors. Dye is used to produce low-cost cabochons with bright colors that are often seen in inexpensive jewelry. The name "aventurine" can be inappropriate, but it is used for its greater appeal in the marketplace when compared to "translucent quartz" or other appropriate names.

Oregon Sunstone: Some feldspars are aventurescent. "Oregon Sunstone" is an example that is cut as both a faceted stone and a cabochon. The stone on the left is a 7 mm round aventurescent cabochon with abundant copper platelets weighing 2.29 carats. The unincluded stone on the left is a beautiful orange 7x5 mm oval faceted stone weighing 1.01 carats. Both varieties are known as "sunstone." These stones were cut from rough mined at the Spectrum Sunstone Mine near Plush, Oregon.

The phenomenon of aventurescence is the glittering appearance produced by light entering a stone and reflecting from small reflective grains of metal or mineral. This phenomenon is not confined to quartz.

Oligoclase and [plagioclase feldspars](#) sometimes contain inclusions of [hematite](#) or [copper](#) that produce an aventurescent luster. These are known as "aventurescent feldspars" or by the more popular name "[sunstone](#)."

A few lava flows in Oregon contain vugs that host small feldspar crystals. These crystals sometimes contain suspended flakes of copper or other minerals and display aventurescence under direct light. These feldspars, aventurescent or not, are all called "[Oregon Sunstone](#)." The [gem](#) material ranges in color from very pale yellow to orange to red. Some blue, green, and color-zoned crystals are also found. Aventurescent pieces are cut into cabochons, and some of the finest aventurescent pieces are cut into faceted stones. Pieces with perfect clarity are faceted. Oregon Sunstone is very popular with people who live in these areas and tourists who visit.



Aventurescent [iolite](#) is also known. Transparent blue iolite with inclusions of hematite platelets, mica, and other materials are known from locations in India and Tanzania. These are often sold under the misnomer "iolite sunstone."



Aventurescent Glass: Goldstone is a man-made aventurine simulant produced by mixing fine metal particles into a transparent glass. It has a much stronger aventurescence than most specimens of natural aventurine. The glass used for the base can be clear, green, blue, purple, or other colors.

"Goldstone" and "Aventurescent Glass"

The name "aventurine" originated in the 1600s when Italian glass makers accidentally blended tiny particles of copper into a batch of molten glass. The result was a sparkly glass that they named "avventura" or, in English, "by chance." It was beautiful. Soon they were using this new glass

to make a variety of products, and the name "aventurine" began to spread.

Similar glasses are still made today. They are known as "aventurine glass." The most popular of these glasses is a simulant of aventurine known as "[goldstone](#)." Goldstone is easy to recognize because the metal particles within the glass are such strong reflectors of light. The typical product is a clear glass with copper flakes, but sometimes blue or green "goldstone" is made by using colored glass instead of clear. Goldstone is a popular material for producing cabochons and other jewelry items.

Field Trip Recap

Nate White



The weekend was a successful rock hounding trip. Saturday a lot of people showed up at the ranger station and some were already at the campground. We had 32 cars in total for Saturday. Sunday we had about a dozen or so.

Everyone was able to find a good amount of stuff on each day. Thanks to the club members who had helped save the camp site so everyone could meet up before heading out on 70 or 72. Early evening on Saturday everyone pitched in to help Tony with the spaghetti cook out. There

was plenty of spaghetti and side dishes, brought by others. It was great seeing all the people who showed up, new and old members.



COMMUNITY SUPPORTERS

	<p style="text-align: center;">South Hill RV Sales</p> <p style="text-align: center;">Offering the highest rated starter, midline, and high end towables and RV's at the lowest prices which has made us a top volume dealer in Washington state.</p> <p style="text-align: center;">12414 Meridian East, Puyallup 98373 253-435-7751 or 866-435-7751 www.southhillrv.com</p>
	<p style="text-align: center;">Rice Museum of Rocks & Minerals</p> <p style="text-align: center;">To engage, inspire, and educate generations on the splendor and complexity of our Earth.</p> <p style="text-align: center;">26385 NW Groveland Dr., Hillsboro, OR 97124 503-647-2418 Info@ricenorthwestmuseum.org www.ricenorthwestmuseum.org</p>
<p style="text-align: center;">H & I Lapidary</p>	<p style="text-align: center;">Amber, Jewelry, Beads, Findings, Gemstones, Slabs, Rough Material, Fossils, and Aussie items.</p> <p style="text-align: center;">Mike and LaVon Siperek (253) 531-7294 4203 E 99th Street, Tacoma, WA 98446 Yankees_Diesel@comcast.net</p>

FROM THE BENCH

Having trouble holding multiple pieces of metal together for soldering? Having all those third hands in position can make it really hard to move around your piece and get an even flow and solder.

Solution: use a honeycomb soldering board and small drill bits as holders. Place your piece how you would like it, then insert the bits into the holes of the board. The weight of the bit shanks pressing down of the piece also helps to hold things together. You can maneuver around the vertical posts much easier and get the whole thing done in one go.

Local Area Shows for 2023

DATE & TIME	CLUB	SHOW	LOCATION
July 2023 14th 12am—8pm 15th 9am—5pm 16th 10am—4pm	1120 Rock Club	Annual show	Rutland Centennial Hall 215 Shepard Road Kelowna, BC
July 2022 21st 9am—6pm 22nd 9am—6pm 23rd 9am—5pm	Washington Agate and Mineral Society	2023 Rock & Gem Rendezvous	Tenino City Park On Park Avenue (next to the Quarry House and swimming pool) Tenino WA
August 2023 3rd 10am—5pm 4th 10am—5pm 5th 10am—5pm 6th 10am—4pm	Billings Gem and Mineral Club	2023 AM Fed and NW Fed Gem and Mineral show Adults \$5/day or \$15 4 day pass Under 12 free with adult	Billings Hotel & Convention Center 1223 Mullaney Lane Billings MT
August 2023 4th 10pm—5pm 5th 10am—5pm 6th 10am—4pm	Far West Lapidary & Gem Society	57h Annual Gem and Mineral Show \$1 adults, 12 & under free w/Adult	The Mill Casino The Salmon Room 3201 Tremont St, HWY 101 North Bend, OR
August 2023 12th 10am - 5pm 13th 10am - 5pm	Maplewood Rock and Gem Club	Annual Summer Rock and Mineral Sale	Maplewood Clubhouse 8802 196th St SW Edmonds, WA
August 2023 18th 9am - 5pm 19th 9am - 5pm 20th 10am - 4pm	Willamette Agate & Mineral Society	End of Summer Rock and Gem show Free admission	Polk County Fairgrounds 520 S. Pacific Hwy Rickreall, OR
August 2023 19th 9am—5pm	Shelton Rock and Mineral Society	13th Annual Tailgate Rock Sale and Swap Meet Tailgate spots \$40	MCRA 2100 E Johns Prairie Rd Shelton, WA
September 2023 8th 11am – 5pm 9th 9am – 5pm 10th 9am – 4pm	Southern Washington Min- eralogical Society	57th Annual show	Cowlitz County Fairgrounds Events Center 1900 7th Ave Longview, WA
September 2023 9th 10am—5pm 10th 10am—5pm	Marcus Whitman Gem and Mineral Society	Annual show	Walla Walla County Fairgrounds Community Center Building 831 Orchard St. Walla Walla WA
September 2023 9th 9am—5pm 10th 10am—4pm	Clallam County Gem And Mineral Association	Annual show	Vern Burton Community Center 308 East 4 th Street Port Angeles WA
September 2023 16th 10am - 5pm 17th 10am - 4pm	Cascade Mineralogical So- ciety	75th Anniversary show	Green River College 12401 SE 320th St Auburn, WA
September 2023 16th 10am - 5pm 17th 10am - 4pm	Fraser Valley Rock & Gem Club	Annual show	Aldergrove Kinsmen Community Centre 26770 29 Ave Aldergrove, BC
October 2023 6th 10am-6pm 7th 10am - 6pm 8th 10am—5pm	Portland Regional Rock and Gem Show	42nd Annual \$7, under 12 free with adult	New Location Wingspan Event Center 801 NE 34th Ave Hillsboro, OR
October 2023 7th 9am - 5pm	Idaho Falls Gem & Mineral Society	Annual Members Rock, Gem, and Jewelry sale Adults \$3, 12 and under free	Bonneville Co. Fairgrounds 1542 East 73rd South Idaho Fall, ID
October 2023 7th 10am - 5pm 8th 10am—5pm	Marysville Rock and Gem club	47th Rocktoberfest	Evergreen State Fairgrounds Display Bldg #500 14405 179th Ave SE Monroe, WA

2023 SHOW & TELL THEMES and PROGRAM NIGHT EVENTS

MEETING	DATE	SHOW & TELL THEME	PROGRAM NIGHT EVENT
January - 1st Meeting	January 13, 2023	Rocks & Their Uses or any field trip finds	
January - 2nd Meeting	January 27, 2023	Fortification or any field trip finds	TBD
February - 1st Meeting	February 10, 2023	Copper Related or any field trip finds	
February - 2nd Meeting	February 24, 2023	Hearts Made of Stone or any field trip finds	Carl Carlson
March - 1st Meeting	March 10, 2023	Quartz/Phantom Crystals or any field trip finds	
March - 2nd Meeting	March 24, 2023	Thundereggs, Geodes & Nodules any field trip finds	Jerry's Rock Shop
April - 1st Meeting	April 14, 2023	Wired-Up (Anything with wire) or any field trip finds	
April - 2nd Meeting	April 28, 2023	No Show & Tell	Auction/Potluck
May - 1st Meeting	May 12, 2023	Rocks Only a Mother Could Love or any field trip finds	
May - 2nd Meeting	May 26, 2023	No Show & Tell	Mineral Council
June - 1st Meeting	June 9, 2023	Lace Agates or any field trip finds	
June - 2nd Meeting	June 23, 2023	No Show & Tell	Tailgate Party @ Grange Parking Lot
July - 1st Meeting	July 14, 2023	Red, White, & Blue or any field trip finds	
July - 2nd Meeting	July 28, 2023	No Show & Tell	Jerry's Rock Shop
August - 1st Meeting	August 11, 2023	Carnelians or any field trip finds	
August - 2nd Meeting	August 25, 2023	No Show & Tell	Picnic & Tailgate Party at club house on Saturday
September - 1st Meeting	September 8, 2023	Your Choice or any field trip finds	
September - 2nd Meeting	September 22, 2023	No Show & Tell	Mini Demonstration Day
October - 1st Meeting	October 13, 2023	Jasper or any field trip finds	
October - 2nd Meeting	October 27, 2023	No Show & Tell	Auction/Potluck
November - 1st Meeting	November 10, 2023	Opals or any field trip finds	
November - 2nd Meeting	November 24, 2023	No Show & Tell	BINGO Night
December - 1st Meeting	December 9, 2023	No Show & Tell	Holiday Banquet/Officer Installation on Saturday
December - 2nd Meeting	No Meeting	No Show & Tell	

2023 Elected Officers

Title	Name	Phone	Email
President:	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Vice President:	Kevin Higgins	(253)579-3404	kevlar016@hotmail.com
Secretary:	Patti Dailey-Shives	(253)678-0029	pattidailey28@gmail.com
Treasurer:	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Association Director:	Mark Baumann	(253-310-5891	rocksnreptiles4me@gmail.com
1 Year Director:	Glen Ripper	(253)508-7545	glen311944@yahoo.com
2 Year Director:	Richard Yang	(208)596-8340	ryang0711@gmail.com
1 Year Trustee:	Glenn Rodrick	(253)531-4062	gtrodi@comcast.net
2 Year Trustee:	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com

2023 Committee Chairs

Title	Name	Phone	Email
Clubhouse Coordinator	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Club Show Coordinator	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Field Trips Coordinator	Nathan White	(206)349-7054	nate.white77@gmail.com
Web Master	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Editor/Communications	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Membership	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Sunshine	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Newsletter	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Mineral Council	Mark Baumann	(253-310-5891	rocksnreptiles4me@gmail.com



WASHINGTON STATE MINERAL COUNCIL

The Puyallup Valley Gem & Mineral Club is a member of the American Lands Access Association and the Washington State Mineral Council. You can find more information about the ALAA at: amlands.org or the WA Mineral Council at:

HAPPY BIRTHDAY

September 2023

Joe Davis – 1st
 Peter Barnstien – 7th
 Brian Jacobsen – 7th
 Sharon Sasseen – 7th
 Diane Small – 7th
 Djeneba Toure-Burke – 11th
 Kevin Hays – 11th
 Shannon Kanavan – 13th
 Edwin Stewart – 15th
 Judy Nix – 16th
 Stacey Tiffany-Diaz – 17th
 Jacob Hochstrasser – 18th
 Ma'at CC – 19th
 Linda Batchelor – 20th
 Jonathan Held – 22nd
 Fred Nix – 22nd
 Marilyn Clampitt – 23rd
 Gary Kappel – 23rd
 Adam Levine – 24th
 Miller Vance – 26th
 Charlie Rodriguez – 27th
 Ted Gibson – 28th
 Toby Sanger – 30th



ELEMENTS OF MINERALS III

S U Y R U C R E M U I C I R E M A
 A C C S E N P H O S P H O R U S S
 M E A M G I S C M U I R O H T P I
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|---------------|----------------|--------------|
| 1. AMERICIUM | 10. HOLMIUM | 19. RHENIUM |
| 2. ASTATINE | 11. INDIUM | 20. SAMARIUM |
| 3. BOHRIUM | 12. KRYPTON | 21. SCANDIUM |
| 4. CADMIUM | 13. LITHIUM | 22. SILVER |
| 5. CESIUM | 14. MERCURY | 23. TANTALUM |
| 6. COBALT | 15. NOBELIUM | 24. THORIUM |
| 7. DYSPROSIUM | 16. NUBIUM | 25. THULIUM |
| 8. FRANCIUM | 17. PHOSPHORUS | 26. URANIUM |
| 9. GOLD | 18. POLONIUM | 27. ZINC |

ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

Puyallup, WA 98371