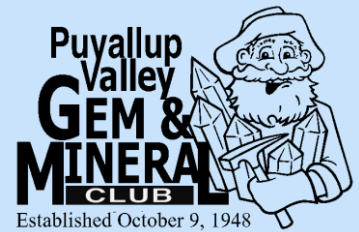


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 57

Volume 110

October

2022

THIS ISSUE

President's Perspective P.2
Field Trip Report P.2
October Club House Schedule P.3
Meet the Member P.4
Clubhouse Report P.4
Nominating Committee Report P.5
"My Gemstone" by Brett Lawrence P.5
Membership Renewal Time P.6
"Ethiopian Opal" P.6-10
Field Trip Recap P.10
Community Supporters & Sunshine Report P.11
Mineral of the Month & From the Bench P.12
Local 2022 Shows P.13
2021 Show and Tell P.14
2021 Officers and Chairs P.15
Word Search & Happy Birthday P.16

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President's Perspective

Tony Johnson

A huge, huge thank you to everyone who helped out at the fair, both directly and non-directly. We did it!!!! There were so many happy kids and parents, such good questions asked and the volunteers stepped up had handled everything without a hitch. There were a couple cases of COVID that took some volunteers out of the rotation, but others stepped up to cover for them. So much information about the club was handed out, including applications, that we had to get everything reprinted and by the end we only scrapped by with less than a dozen of each.

Entrance into the competition cases was awesome and the director of Hobby Hall now wants to be a member of the club because he and his wife were so impressed by everything we do. We had 2 Grand Champions this year, Richard Yang took the Grand in lapidary and Jillian Higgins to the Grand in Jewelry.

The October program is the Second club Auction and Potluck of the year were we raise funds for our scholarships. An email will be sent out with all the details as we get closer to the date, so keep checking your emails.

Field Trip Report

October 15 – Jordan Creek (Marblemount)

Meeting place - 10:00AM at MaWayrble 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

November 19 – Twin Rivers (Joyce)

Meeting place - 10:00Aam Joyce General Store on Hwy 112

Hunting for – Concreations

Tools you need - Rock hammer, shovel, hammer, backpack/bucket for your treasures

Access - easy terrain, based on the tides

Additional items - lunch/snacks and water, water, water. Dress for wet weather in layers

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.

OCTOBER 2022 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
2	Sunday				
3	Monday				
4	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed & Renera
5	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
6	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
7	Friday	6:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
		7:30PM	Club Business Meet	Fruitland Grange	Tony Johnson
8	Saturday	10:00AM-3:00PM	Amber Polishing	Club House	Tony Johnson
9	Sunday				
10	Monday	7:00PM-8:00PM	Opal Club Business Meet.	Club House	Tony Johnson
11	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed & Renera
12	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
13	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
14	Friday				
15	Saturday	10:00AM-2:00PM	Jordan Creek	Field Trip	Dennis Batchelor
		10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
16	Sunday				
17	Monday				
18	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed & Renera
19	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
20	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
21	Friday	6:00PM	Club Auction & Potluck	Fruitland Grange	Tony Johnson
22	Saturday	10:00AM-3:00PM	Fire Agate Carving	Club House	Craig Oda
23	Sunday				
24	Monday				
25	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed & Renera
26	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
27	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
28	Friday				
29	Saturday	10:00AM-2:00PM	Opal Cutting	Club House	Tony Johnson
30	Sunday				
31	Monday		CLOSED HALLOWEEN		

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
Renera Barnes rsb1224@netscape.com	Jillian Higgins (253)355-3146	Glen Ripper (253) 508-7545

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

MEET THE MEMBERS

Name: **Karen Anderson**

Favorite Quote: Easy Peezy

What are your skills/past experience with the rock Club or rock hounding?

We started rockhounding because of the pandemic. Didn't find many so we started joining rock clubs.

What is your favorite rock, mineral or gem?

I found one Murry Mountain Agate. I think it is the prettiest but too many fractures.

What is your favorite thing to do with rocks, minerals or gems?

What are your three favorite books/podcasts?

- Rock Hugger on YouTube
- I collect cookbooks, Thai is my favorite

What is your favorite memory surrounding rockhounding/rocks in general?

Saddle Mountain when we ended up with the Kitsap Club. I kept looking around and didn't know anyone. Richard gave us the pin of our club's site. The next time we had to wait for people to leave so we could check it out and I found a part of a limb cast.

In your opinion, what is the best thing about the Puyallup Valley Gem & Mineral Club?

The best part of the club is how many people share their knowledge and teach classes at a price everyone can afford. The clubhouse makes that possible.

In your opinion, where/how does the club need to improve?

The only think I would like is more field trips but that is because we missed all but Saddle Mt. this year.

What are three (3) things people might not know about you?

- We have two children
- Three grandchildren
- And two great grandchildren

What is your greatest accomplishment?

Leaving Missouri and coming back to Washington. The whole time Mike was in the Army we couldn't wait to go home, but we found we had grown past our roots.

Clubhouse report

Tony Johnson

Everything is going well. We are starting to see and increase in attendance of classes as we are heading into fall/winter.

So far, we have not had any major issues so do not have any scheduled maintenance planned at the clubhouse for over the winter.

Nomination Committee Report

The nominating committee is publishing the recommendations for the 2023 club board as follows. The committee will be providing this information to all club members by email as well as newsletter. Nominees will be confirmed by the club at the October business meeting.

The nominating committee recommends the following club members for the 2023 Board of Directors.

President: Tony Johnson
Vice President: Kevin Higgins
Secretary: Open Position
Treasurer: Jillian Higgins
Associations Director: Patti Dailey-Shives & Mark Baumann
1 Year Director: Glen Ripper
2 Year Director: Richard Yang
1 Year Trustee: Glenn Rodrick
2 Year Trustee: Dennis Batchelor

My Gemstones

The Pretty, The Odd, The Rare...Jeremejevite

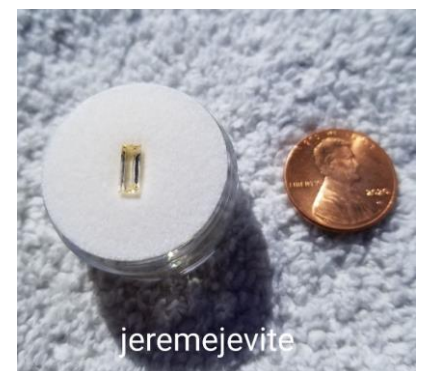
Stone size and shape: .49 ct., 7.3x2.07mm baguette cut

Some information: chemical composition – hydrous aluminum borate $\text{Al}_6(\text{BO}_3)_5(\text{FOH})_3$; MOHS hardness – 7; specific gravity – 3.28

Jeremejevite is among the rarest of minerals and, hence, few are cut as gemstones. It was first described as small loose crystals out of Siberia in the 1800's. Material is found in Tajikistan, Namibia, and Germany. Facetable material now comes mostly from near Usakos, Namibia. It occurs in association with tourmaline, albite, quartz, and rarely gypsum.

Jeremejevite ranges in color from an aquamarine blue to yellow to white to colorless. It has also been seen rarely as a violet color. As can be seen in the image my specimen is a very light yellow. One of its properties is pleochroism. This is an optical phenomenon where a gemstone will display a different color, or a variation of same, when viewed from different angle. Other examples are tanzanite, andalusite, iolite, and kyanite. Another property is piezoelectric. When placed under mechanical stress it, like tourmaline, quartz, and topaz, generates a small electrical charge. Fluorescence is present with blue-white to white.

Due to its rarity and value, especially as a mineral specimen it is not much faceted as mentioned above. Synthetic material has been created but is not used in the jewelry industry. It has good durability and, with its hardness of 7 might suffice in a ring setting. Most faceted stones range in size from 1-2 carats but up to 5 carats is not unknown. The largest gemstone is 254 carats and was found in Sri Lanka.



Membership Renewal Time

Normally, the membership renewal and applications for the next year would be included in the October newsletter, but this year we are going to be a little bit delayed. There is a proposal that the membership dues be increased to help cover the skyrocketing increases in operation costs like, insurance, rent, and postage/printing.

The proposal was discussed at the September 2023 Business Meeting with a vote to be had at the October Business Meeting. Until we have either accepted or rejected the proposal, the forms cannot be published. After the October 14th meeting, the forms will be emailed and posted on the website, so start checking your emails after that date.

Ethiopian Opal

"Welo opal" is named after the Wollo Province of northern Ethiopia.

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



Ethiopian opal: Striking play-of-color in a cabochon of Ethiopian opal. Domains of bright color in a translucent to transparent opal is commonly seen in Welo opal.

The New Opal Heavyweight

[Australia](#) has been the dominant force in the [opal](#) market for over 100 years. During that time as much as 95% of the worldwide opal production has been mined in Australia. Today, [Ethiopia](#) is on its way to becoming the second heavyweight in the opal market.

A small discovery in 1994 put Ethiopia on the worldwide opal map. This was followed by important discoveries in 2008 and 2013. These are now producing beautiful [precious opal](#), [fire opal](#), and [black opal](#) with spectacular play-of-color in a variety of patterns and body colors.

Ethiopian opals are not only beautiful, but they generally cost less than similar-quality opal from Australia. People now go to the store looking for "Welo opals" or "Ethiopian opals." They also use the internet and search for these opals by name. This surge of public awareness has developed in just a few years without a major

mining company or jewelry brand spending millions of dollars to promote them. This popularity is being driven by the beauty of Ethiopian opal and their current attractive prices.

Faceted Ethiopian opal: Many translucent to transparent pieces of Ethiopian opal are faceted, such as these four small trillion-cut gems about 8 millimeters across.

Table of Contents

- [The New Opal Heavyweight](#)
- [A Short History of Ethiopian Opal](#)
- [Welo "Precious Fire Opals"](#)
- [Hydrophane Opals](#)
- [Ethiopian Opal Treatments](#)
 - [Dye Treatment](#)
 - [Smoke Treatment](#)
 - [Sugar/Acid Treatment](#)
- [What's the Future of Ethiopian Opals?](#)

Ethiopian opal beads: Beads are an especially popular product made from Ethiopian opal. The photo above shows a small sample of its diversity.



A Short History of Ethiopian Opal

Precious opal mined in Ethiopia began entering the gem and jewelry market in 1994. This opal originated from a discovery made in the Menz Gische District in the northern part of the Shewa Province. Opal from this area occurs in a wide range of body colors. Much of the opal has a brown, red, or orange body color; however, yellow, white, and clear body colors are also found.

Shewa Province opal is found in stratified [igneous rocks](#) such as [rhyolite](#), [tuff](#), and ignimbrite. Although much of this opal has crazing problems, stable material enters the gem and jewelry market. These opals are often called “Shewa opals” or “Mezezo opals” after their locality of origin.



The most important opal discovery in Ethiopia to date was made in 2008 near the town of Wegel Tena in the Wollo Province in the northern part of the country. This opal can have vivid play-of-color flashing from a body color of clear, white, yellow, orange, or brown. It is more stable than the North Shewa opal. This material quickly became known in the trade as “welo opal,” but the names “wollo” and “wello” are also encountered.

Much of the welo opal is produced from a single area of stratified volcanic rocks. The main vein is an opalized rhyolitic ignimbrite up to one meter thick that overlies a base of clay. The opal likely formed as silica-bearing waters accumulated on top

of the impermeable clay. Silica gel precipitated in the pore spaces of the ignimbrite and was later transformed into opal.

The seam outcrops along steep valley walls, where short horizontal tunnels are excavated to mine the opal. Underground mining here is very dangerous work, as the ignimbrite is often fractured, friable and poorly lithified. The seam can be traced along the valley walls where it is being mined, but its full geographic extent is unknown because the opal-bearing stratum is covered by up to 350 meters of stratified volcanic deposits. However, the deposit may extend over several kilometers and could become a major source of gem-quality opal. [1]

A third deposit was found in 2013, again in the Wollo Province, but about 100 kilometers north of the Wegel Tena area. Much of the opal in this deposit has a translucent gray to black body color. [3] It occurs in a seam of mineralized ignimbrite. The seam is in an extensive sequence of stratified volcanic rocks. It is up to 60 centimeters thick and rests atop of an impermeable clay. This deposit is also poorly defined but the seam can be traced along the steep valley walls. Current mining is by horizontal tunnels dug into the seam's outcrop on steep hillsides.

Precious fire opal: Some of the opal produced from the Wollo Province has an orange, yellow or reddish body color along with play-of-color. The orange, yellow or reddish body color meets the definition of a [fire opal](#), and the play-of-color meets the definition of a [precious opal](#). Meeting both of these criteria, these opals could be called "precious fire opals."

Welo "Precious Fire Opals"

Much of the opal produced from the Wollo Province has an orange, yellow or reddish body color along with play-of-color. The orange, yellow or reddish body color meets the definition of a [fire opal](#), and the play-of-color meets the definition of a [precious opal](#). Meeting both criteria, these opals could be called "precious fire opals."

The orange body color opal in the accompanying image is an example of one of these "precious fire opals." It has an orange body color, and if played in the light it has a play-of-color that flashes between electric green and purple. It is a beautiful example of Ethiopian opal.



This type of opal is quite abundant in the production currently coming out of the Wollo Province. It is transparent, like the example shown here, and that enables play-of-color deep within a bead, cabochon, or faceted stone to be visible.

Ethiopian opal: A nodule of dark body color opal from the Shewa Province of Ethiopia. Public domain image by Elade53.

Hydrophane Opals

Many of the opals mined in Ethiopia, especially from the Welo deposits, are hydrophane opals. "Hydrophane" is a name used for a porous opal that has the ability to absorb water. A change in color or transparency often accompanies the water absorption. These opals typically have a lower specific gravity than other types of opal because of their porosity. Some of these opals can absorb enough water to produce a weight gain of up to 15%.

The hydrophane property of Ethiopian opals sometimes causes durability issues. The absorption of water can result in cracking. Because of that, owners of hydrophane opal should avoid immersing it in water. [2] They do not absorb water instantly. It may take several hours for the opal to absorb a significant amount of water. Hydrophane opal will dehydrate if allowed to dry, and the dehydration can occur in a few days to a few weeks. After dehydrating, the opal will have the same appearance and properties as before the water was absorbed.

The hydrophane properties of these opals are important considerations when examining and purchasing rough or cut opals. Their stability, appearance and weight can all be altered by immersion in water.

Ethiopian Opal Treatments



Many Ethiopian opals are sold in their natural state, and some are treated. Their porosity makes them good candidates for dye, smoke, and sugar/acid treatments. All of these treatments, when disclosed, reduce the price of the opal to much less than natural opal with the same appearance. When undisclosed they can deceive inexperienced buyers and sometimes even experienced buyers.

Dyed Ethiopian opal beads: The hydrophane nature of much Ethiopian opal makes it easy to dye. A person who is familiar with opal will probably realize that the outrageous colors of these beads have been

produced by dye. People who have seen a lot of opal might be fooled when dye is used to produce a more subtle and believable color.

Dye Treatment Hydrophane opals, like those found in Ethiopia, are easy to dye because their porosity naturally absorbs liquids. People who know opal can identify dyed opal on-sight when an outrageous color is used. However, the practice of slightly enhancing an opal's body color with dye can be much less obvious. In these cases, dye treatments can often be detected with microscopic examination or by cutting into the opal to see if the color is concentrated near the surface.

Some large buyers of cut opal or finished jewelry require vendors to provide samples of the opal rough when making large purchases. The samples are used for testing and



comparison to assure that the finished stones and jewelry they are purchasing have not been treated. Color enhancements can increase the marketability and price of the opal if not obvious or disclosed. For this reason, if a buyer wants natural-color opal, testing to confirm that the color is not caused by dye is important.

Ethiopian opal with smoke treatment: The dark body color of this cabochon of Welo opal has been produced by smoke treatment. The smoke produces a dark body color that contrasts strongly with the opal's play-of-color.

Smoke Treatment

Smoke is a suspension of very fine particles in air or gas. Fine smoke particles can enter the pore spaces of opal and change its body color. The smoke treatment can be done by wrapping the opal in paper and heating the paper to a temperature that produces smoldering. The smoldering paper releases fine particles of black soot that enter the pores of the opal and darken its body color. The darker body color contrasts with the opal's play-of-color, making it appear stronger and more obvious.

Smoke treatment can sometimes be detected by looking for black soot particles during microscopic examination. These can often be seen individually, or in concentrations along microfractures within the opal. Laboratory tests, such as Raman spectroscopy, have the ability to detect smoke treatment because they can detect carbon, which is normally absent in opals of volcanic origin.

Sugar/Acid Treatment

The sugar/acid treatment is done by soaking opal for a few days in a warm solution of sugar water, then submerging the opal in sulfuric acid. The acid oxidizes the sugar in the pore spaces of the opal, producing dark-colored carbon particles and stains. This imparts or darkens a gray, black, or brown body color in the opal. Like smoke treatment, these can often be detected by microscopic examination or by laboratory tests for carbon.

What's the Future of Ethiopian Opals?

The future is very bright for Ethiopian opals. They are becoming much more visible in the gem and jewelry market, and the gem-buying public is becoming aware of them. All of this has occurred without a major mining company or jewelry brand spending millions of dollars to promote them. They occur in a variety of translucent to transparent basecolors with vivid play-of-color in a variety of patterns. They currently sell for very reasonable prices when compared to similar-appearance material from Australia. Significant amounts of Ethiopian opal are being produced and the country might become the first important challenger to Australian opal, which has dominated the world opal market for over 100 years.

Field Trip Recap

Tony Johnson

Little Naches

11 Cars made it up to Little Naches. We were able to get up there this year finally after two - three years of it being shut down due to Fire Danger. People found some really nice Thundereggs that they have already been cutting up as well as making cabs of the Lilypad Jasper. We even had some nice fossils collected. You should be seeing some of the finds at the next meeting during show and tell, so keep an eye out.

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>

SUNSHINE REPORT

With everything going on, we have started meeting again, but our attendance at the meetings is still low as members are staying safe. As a group we need to bring to eachother's attention members who need healing thoughts or prayer sent their way.

Linda Batchelor's father (Dennis Batchelor's father in law) passes suddenly.

If you know of anyone else who needs to be recognized in next months Sunshine Report , please email or call either
Tony Johnson at ynotopals@outlook.com (253) 863-9238

MINERAL OF THE MONTH



Look at this absolutely stunning gemstone. At first glance you might think it is blue topaz, but you would be incorrect. This is the very hard to say, and even harder to find mineral known as Phosphophyllite (say that 5 times fast!).

Phosphophyllite is a very rare mineral made of hydrated zinc phosphate. What makes it rare is that it is very hard to collect owing to the fact that the crystalline structure is very brittle and fragile which makes breaking it apart into individual crystals almost impossible. It is also only found in 3 places in the world, Bolivia (where it is no longer allowed to be mined), New Hampshire, USA, and Germany.

Phosphophyllite gets its name from the Greek word phyllon meaning "leaf" due to its cleavage angles, and its chemical composition of Phosphate. It comes in light shades of blue and green.



FROM THE BENCH

Have a hard time keeping track of the grit on your radial discs or any of your bits?

I have a hard time keeping track of the grit on many of my bits, discs, and burs. The only way I have found that helps me is to use a fine point sharpie (red shows up particularly well) and I write grit size on a part of the disc that will not be getting any wear unless something has gone terribly wrong.

For my bits and burs, if there is no safe place to write, I take a piece of colorful tape and write it on the tape, then attach it to the shank.

I also store a lot of my bits, burs, and discs in tackle boxes that I have labeled with the grit size both in the tray and on the lid so that I can grab what I need really fast.

The only difficult part is putting them all back where they belong when I am done, haha.

Local Area Shows for 2022

DATE & TIME	CLUB	SHOW	LOCATION
May 2022 14th 10am - 5pm 15th 10am - 4pm	Hatrockhounds Gem & Mineral Society	\$3 12 and under free	Eastern Oregon Trade & Event Center 1705 East Airport Road Hermiston OR
May 2022 14th 10am - 6pm 15th 10am - 4pm	Bozeman Gem & Mineral Club	Annual Rock Show \$3 adults, 12 & under free w/adult	Gallatin County Fair Grounds 901 N. Black, Bldg. #1 Bozeman, MT
May 2022 21st 10am - 5pm 22nd 10am - 4pm	Lakeside Gem & Mineral Club	25th Annual Rock & Mineral Show \$5 adults, 12 & under free	Benton Franklin County Fairgrounds 1500 S. Oak Kennewick, WA
May 2022 28th 10am—6pm 29th 10am—5pm	Everett Rock and Gem Club	67th Annual show NEW LOCATION	Evergreen State Fairgrounds 18359 Cascade View Drive near Monroe, WA.
May 2022 28th 9am - 6pm 29th 10am - 4pm	Clackamette Mineral & Gem Club	58th Annual Show	Clackamas County Fairgrounds 694 NE 4th Ave Canby, OR
June 2022 3rd 10am—5pm 4th 10am—5pm 5th 10am—5pm	Puyallup Valley Gem & Mineral club	“Come Rock with Us”	Swiss Park 9205 198th Ave East Bonney Lake, WA
June 2022 4th 9am—5pm 5th 10am—4pm	North Idaho Mineral Club	Annual Show \$5 adults, 12 & under free w/Adult	Kootenai County Fairgrounds Jacklin Building 4956 North Government Way Coeur d’Alene ID
June 2022 11th 9am—5pm 12th 10am—4pm	Butte Mineral and Gem Club	Annual Show \$3 adults, 12 & under free w/Adult	Butte Civic Center Annex 1340 Harrison Avenue Butte MT
June 2022 11th 10am—5pm 12th 10am—5pm	West Seattle Rock Club	Re-Scheduled 54th Annual Rock Show	Alki Masonic Temple 4736 40th Ave. SW. Seattle, WA
June 2022 17th 10am - 5pm 18th 9am - 5pm 19th 10am—4pm	Lower Umpqua Gem & Lapidary Society	Annual Rock And Gem Show	Reedsport Community Building 451 Winchester Avenue Reedsport OR
June 2022 18th 10am - 6pm 19th 10am - 5pm	Bitterroot Gem and Mineral Society	Annual Gem and Mineral show \$3 admission, children 12 & under free	Hamilton Fairground Interstate Building 100 Old Corvallis Road Hamilton, MT
July 2022 22nd 9am—6pm 23rd 9am—6pm 24th 9am—5pm	Washington Agate and Mineral Society	2022 Rock & Gem Rendezvous	Tenino City Park On Park Avenue (next to the Quarry House and swimming pool) Tenino WA
August 2019 5th 10pm—5pm 6th 10am—5pm 7th 10am—4pm	Far West Lapidary & Gem Society	59th Annual Gem and Mineral Show \$1 adults, 12 & under free w/Adult	The Mill Casino 3201 Tremont St North Bend, OR
August 2022 13th 9am - 5pm 14th 10am - 5pm	Maplewood Rock and Gem Club	Rock and Mineral Sale	Maplewood Clubhouse 8802 196th St SW Edmonds, WA
August 2022 20th 10am - 6pm 21st 10am - 4pm	Cascade Mineralogical Society	Annual show	Green River College 12401 SE 320th St Auburn, WA
August 2022 19th 10am - 6pm 20th 10am - 6pm 21st 10am - 4pm	Puyallup Valley Gem & Mineral club	2022 Gem Show In The Trees	Tacoma Sportsmen’s club 16049 Canyon Rd East Puyallup, WA

2022 SHOW & TELL THEMES and PROGRAM NIGHT EVENTS

MEETING	DATE	SHOW & TELL THEME	PROGRAM NIGHT EVENT
January - 1st Meeting	January 14, 2022	Tiger's Eye or any field trip finds	
January - 2nd Meeting	January 28, 2022	Lace or any field trip finds	Mini Lapidary Demonstrations
February - 1st Meeting	February 11, 2022	Heart shaped or any field trip finds	
February - 2nd Meeting	February 25, 2022	Red, Pink, & Purple or any field trip finds	Carl Carlson
March - 1st Meeting	March 11, 2022	"Sham" rocks or any field trip finds	
March - 2nd Meeting	March 25, 2022	Green or any field trip finds	Jerry's Rock Shop
April - 1st Meeting	April 8, 2022	April Fools Gold or any field trip finds	
April - 2nd Meeting	April 22, 2022	No Show & Tell	Auction/Potluck
May - 1st Meeting	May 13, 2022	Flower rocks or any field trip finds	
May - 2nd Meeting	May 27, 2022	No Show & Tell	Mineral Council
June - 1st Meeting	June 10, 2022	Fancy Slabs & Fossils + any field trip finds	
June - 2nd Meeting	June 24, 2022	No Show & Tell	Tailgate Party @ Grange Parking Lot
July - 1st Meeting	July 8, 2022	Red, White, & Blue or any field trip finds	
July - 2nd Meeting	July 22, 2022	No Show & Tell	Jerry's Rock Shop
August - 1st Meeting	August 12, 2022	Carnelians + any field trip finds	
August - 2nd Meeting	August 27, 2022	No Show & Tell	Picnic & Tailgate Party at club house on Saturday
September - 1st Meeting	September 9, 2022	Crystals + any field trip finds	
September - 2nd Meeting	September 23, 2022	No Show & Tell	Glenn Rodrick
October - 1st Meeting	October 14, 2022	Wood + any field trip finds	
October - 2nd Meeting	October 28, 2022	No Show & Tell	Auction/Potluck
November - 1st Meeting	November 11, 2022	Thundereggs & Geodes + any field trip finds	
November - 2nd Meeting	November 25, 2022	No Show & Tell	BINGO Night
December - 1st Meeting	December 10, 2022	No Show & Tell	Holiday Banquet/Officer Installation on Saturday
December - 2nd Meeting	No Meeting	No Show & Tell	

2022 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:	Teresa Rodrick	(253)531-4062	gtrodi@comcast.net
Treasurer:	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Association Director:	Patti Dailey-Shives	(253)678-0029	pattidailey28@gmail.com
1 Year Director:	Jack Ragusa	(253)389-3119	jackragusa@gmail.com
2 Year Director:	Glen Ripper	(253)508-7545	glen311944@yahoo.com
1 Year Trustee:	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com
2 Year Trustee:	Glenn Rodrick	(253)531-4062	gtrodi@comcast.net

2022 Committee Chairs

Title	Name	Phone	Email
Clubhouse Coordinator	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Club Show Coordinator	Glenn Rodrick	(253)531-4062	gtrodi@comcast.net
Field Trips Coordinator	Dennis Batchelor	(360)870-8741	hobbyhorse51@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	Patti Dailey-Shives	(253)678-0029	pattidailey28@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

October 2022

Brenda Guay – 1st
 Margaret Englund – 3rd
 Dylan Miljour – 3rd
 Tracy Byington – 4th
 Gideon Eshpeter – 4th
 Greg Collins – 6th
 Loren Gates – 6th
 Maria Yang – 8th
 Cohen DeJong – 9th
 Becky Conwell – 10th
 Virginia Patterson – 11th
 Sandra Skinner – 13th
 Cindy Hileman – 14th
 Marisa Maestas – 15th
 Tony Miljour – 15th
 Catherine May – 16th
 Ruth Foster – 17th
 Jessica Clark – 18th
 Crystal Day – 18th
 Tyra Hart – 20th
 Madaline Pipitone – 20th
 Sadie Crane – 21st
 Jillian Higgins – 21st
 Kyle Gunn – 22nd
 Donald Roy – 22nd
 Naomi Ainge – 25th
 Alber Osche – 26th
 Natalia Blankenship – 28th
 Pattie Dailey-Shives – 28th
 Stephen Sample – 28th
 Paul James – 29th
 Kevin Higgins – 30th
 Debbie Mays – 31st
 Andrea Teal – 31st

INTERNATIONAL GEM TREASURES

D N A L T O C S P A I N O S P C M
 A B I R S A M O R O C C O R I Z Y
 P S A R T H N F L R E E E N J E A
 N A U I C N W Z G O T A D A U C N
 Y E K R U T O A A T M I I D G H M
 U E N I E L E O I N A B A A M R A
 N T A G S R Y R A S I T I N A E R
 I A T E L T O L Z M S A A A I P G
 T D S A C A A M A E B U I C L U E
 E N I U A R N N S X C I R E A B N
 D A N R I F M D T I L C E R R L T
 S L A U B N P A M C Z L G I T I I
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 A A G U M A N H D T B E N Z U G A
 T H F A A E J I G S E N A P A J V
 E T A Y N H A L H F B I B N A R I
 S O U T H A F R I C A I V I L O B

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| 1. AFGHANISTAN | 11. INDIA | 21. SCOTLAND |
| 2. ARGENTINA | 12. IRAN | 22. SOUTH AFRICA |
| 3. AUSTRALIA | 13. JAPAN | 23. SPAIN |
| 4. BOLIVIA | 14. MEXICO | 24. TANZANIA |
| 5. BRAZIL | 15. MOROCCO | 25. THAILAND |
| 6. CANADA | 16. MYANMAR | 26. TURKEY |
| 7. CHINA | 17. NAMIBIA | 27. UNITED STATES |
| 8. COLOMBIA | 18. NIGERIA | 28. URUGUAY |
| 9. CZECH REPUBLIC | 19. PAKISTAN | 29. VIETNAM |
| 10. ENGLAND | 20. RUSSIA | 30. ZAIRE |



ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

Puyallup, WA 98371