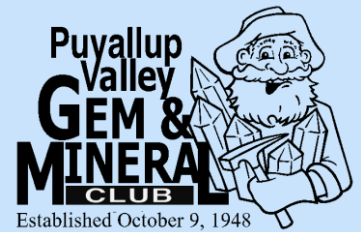


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 62

Volume 115

March

2023

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It's been sort of a slow start to the new year, but we are enjoying the taking it easy.

Field trips are about to start up and we are looking forward to having more of them, some to our neighboring states.

The clubhouse keeps getting better and our instructors are the very best.

We as a club keep growing and with the addition of new members comes "new life" within the club. We are starting a YouTube channel that will start featuring items about our club, like our club shows, field trips, classes, and possibly meetings.

Field Trip Report

March 19 – Damon Point

Meeting place - 10:00AM Damon Point Parking Lot

Hunting for – Beach Agate, Jasper, Pet Wood, Shells

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

Access - this area is fairly easy to access, will be walking on a beach

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

April 16 - Saddle Mountain

Meeting place - 10:00AM at the Shell Station at 723 Government Way, Mattawa, WA

Hunting for - Petrified Wood

Tools you need - Shovel and Rockhammer and a backpack/bucket for your treasures

Access - this area is fairly easy to access, walking down 300 feet on a slight incline (more important for when you come back up)

Additional items - lunch/snacks and water, water, water. Dress in layers. After done, if there is interest, we can go to the diomaceous earth and common opal sight

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.

MARCH 2022 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
2	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
3	Friday				
4	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
5	Sunday				
6	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
7	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
8	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
9	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
10	Friday	6:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
		7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
11	Saturday	10:00AM-2:00PM	Amber Carving	Club House	To be Determined
12	Sunday				
13	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
		7:00PM-8:00PM	Opal Club Business Meeting	Club House	Tony Johnson
14	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
15	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
16	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
17	Friday				
18	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
		10:00AM-2:00PM	Damon Point	Field Trip	Nate White
19	Sunday				
20	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
21	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
22	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
23	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
24	Friday	7:30PM	Club Program Night	Fruitland Grange	Tony Johnson
25	Saturday	10:00AM-2:00PM	75th Anniversary Project - Finish	Club House	Tony Johnson
26	Sunday				
27	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
28	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed & Renera
29	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Weaving	Club House	Jillian Higgins
30	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
31	Friday				

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

*** **Membership Workshop** 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: **Larry Hoffman**

Favorite Quote: "Tell me and I forget. Teach me and I remember. Involve me and I learn." – Benjamin Franklin

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

Try to help where I can, serve where I should, teach what I know and learn all I can.

What is your favorite rock, mineral or gem?

Picture agate/jasper and sapphires.

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

Look for, dig and collect them. Then polish and display them.

What are your three favorite books/podcasts?

- "The Long Walk" by Slovomir Rawicz
- "Unbroken" by Laura Hillenbrand
- "Agates" by Pat McMahan

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

- 1) Scooping up agates and jaspers off the Oregon coast beaches.
- 2) Digging sapphires in a campout with my friend in Rock Creek and Missoula, Montana, accessed by horseback only.

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

I think the sharing of lapidary knowledge and skills through presentations, answering questions and hands-on learning at the Club House.

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

Perhaps the sharing of more Club document details with Club members.

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

- I was a radar maintenance and repairman in the US Air Force and was stationed just a few miles from the Yogo sapphire mine near Lewistown, Montana
- My son and I went to Germany last October (2022) and toured the Neuschwanstein Castle among other things.
- I worked for Tacoma Power as a Senior Utilities Economist for almost 37 years.

What is your greatest accomplishment?

Being married to my incredible wire for 50 years. And raising two wonderful and talented children and spending time with my four grandchildren. And we all love the Lord.

Clubhouse report

Tony Johnson

This weekend, Sunday, March 4 at 10:00 we are going to be cleaning out the slab saws and replacing the oil. We will also be doing any routine maintenance while we have them opened up. A big thank you in advance to the individuals who have agreed to do this.

Please remember to schedule yourselves if you are planning on attending the clubhouse so your spot is guaranteed.

Associations Director Report

Hi all! Nothing has changed on the legislative side of rockhounding with in the last month so I thought

I would list the Rockhound Code of Ethics:

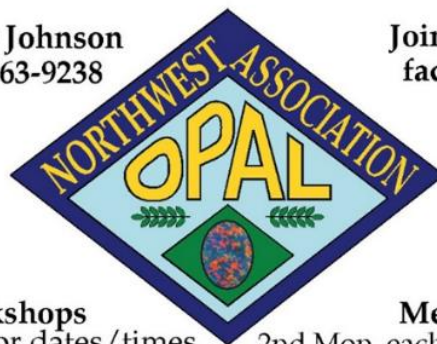
- I will respect both private and public property and do no collecting on privately owned land without permission from the owner.
- I will keep informed on all laws, regulations and rules governing collecting on private lands and will observe them.
- I will to the best of my ability ascertain the boundary lines on which I plan to collect.
- I will use no firearms or blasting materials in collecting areas.
- I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires in designated or safe places and will be certain they are completely extinguished before leaving the area.
- I will discard no burning materials - matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks or other water supplies.
- I will cause no damage to collecting materials and will take home only what I can reasonably use.
- I will support Rockhound Project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter regardless of how it was found
- I will cooperate with Field Trip Leaders and those in designated authority in all collecting areas.
- I will report to my Club or Federation Officers, Bureau of Land Management or other proper authorities any deposits of petrified wood or other material on public lands which should be protected for the enjoyment of future generations and for public educational and scientific purposes.
- I will appreciate and protect our heritage of Natural Resources.
- I will observe the "Golden Rule", will use Good Outdoors Manners and will at all times conduct myself in a manner which will add to the stature and Public Image of Rockhounds everywhere.

Happy Rockhounding,

Mark Baumann
Associations Director

Tony Johnson
253-863-9238

**Join us on
facebook**



Workshops
call for dates/times

Meetings
2nd Mon. each month

Emerald – Part 1

The bright green gem of the beryl mineral family and May birthstone.

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



Emeralds from Colombia: Emerald crystals in a calcite and graphitic shale matrix from the Coscuez Mine, near Muzo, northwestern Colombia. The well-formed crystal with an attractive bluish-green color is about 1.1 centimeters tall. Specimen and photo by Arkenstone / www.iRocks.com.

Emeralds are gem-quality specimens of the [beryl](#) mineral family with a rich, distinctly green color. They are found in [igneous](#), [metamorphic](#), and [sedimentary rocks](#) in a small number of locations worldwide.

For over 5000 years, emeralds have been one of the most desirable and valuable [colored stones](#).

Ancient civilizations in [Africa](#), [Asia](#), and [South America](#) independently discovered emeralds and made them a [gemstone](#) of highest esteem. In the [United States](#) and many other countries, emerald serves as the [birthstone](#) for people who were born in the month of May.

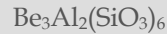
Today emerald, together with [ruby and sapphire](#), form the "big three" of colored stones. The "big three" generate more economic activity than all other colored stones combined. In 2015 the value of emeralds imported into the United States exceeded the value of all colored stones outside of the "big three" combined.

Emeralds from Russia: Photograph of emerald crystals in mica schist from the Malyshevskoye Mine, Sverdlovsk Region, Southern Ural, Russia. The large crystal is about 21 millimeters in length. Photograph copyright iStockphoto / Epitavi.

Physical Properties of Emerald

Color	A distinctly green color that ranges between bluish green and slightly yellowish green. Stones with a light tone or a low saturation should be called "green beryl" instead of emerald.
Clarity	Almost every natural emerald has eye-visible characteristics that can be inclusions, surface-reaching fractures, or healed fractures. Treatments to fill the fractures with oils, waxes, polymers, flux and other materials to reduce their visibility has been common practice for hundreds of years.
Luster	Vitreous
Diaphaneity	Transparent to translucent
Cleavage	One direction of imperfect cleavage
Durability	Emerald is very hard, but almost all specimens have inclusions and surface-reaching fractures that compromise their durability.
Mohs Hardness	7.5 to 8
Specific Gravity	2.7 to 2.8

Chemical



Composition

Emerald's green color is caused by trace amounts of chromium or vanadium.

Crystal System

Hexagonal. Often as prismatic crystals.

Beryl, the [mineral](#) of which emerald is a variety, has a chemical composition of $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$. When pure, beryl is colorless and known as "goshenite." Trace amounts of [chromium](#) or vanadium in the mineral cause it to develop a green color. Trace amounts of iron will tint emerald a bluish green or a yellowish green color depending upon its oxidation state.



Emerald is defined by its green color. To be an emerald, a specimen must have a distinctly green color that falls in the range from bluish green to green to slightly yellowish green. To be an emerald, the specimen must also have a rich color.

Stones with weak saturation or light tone should be called "green beryl." If the beryl's color is greenish blue then it is an ["aquamarine."](#) If it is greenish yellow it is ["heliodor."](#)

This color definition is a source of confusion. Which hue, tone, and saturation combinations are the dividing lines between "green beryl" and "emerald"? Professionals in the gem and jewelry trade can disagree on where the lines should be drawn. Some believe that the name "emerald" should be used when chromium is the cause of the green color, and that stones colored by vanadium should be called "green beryl."

Calling a gem an "emerald" instead of a "green beryl" can have a significant impact upon its price and marketability. This "color confusion" exists within the United States. In some other countries, any beryl with a green color - no matter how faint - is called an "emerald."

Be careful if you are buying an "emerald". Make sure that you are getting a gem that has a rich green color instead of a "green beryl". Buying from a website where people from outside of the United States are acting as third-party sellers and photographs might not have representative color can be especially risky.

By definition, emeralds are gem-quality specimens of the beryl mineral family with a rich, distinctly green color. Because of that, it is inappropriate to use the name "emerald" when marketing a beryl of any other color.

The Federal Trade Commission publishes a set of *Guides for the Jewelry, Precious Metals and Pewter Industries*. They use "yellow emerald" as an example of an incorrect name that when used in marketing can be "unfair", "misleading" and "deceptive" (the words here in quotes are straight from FTC guidance for jewelers). More information [here](#).

If you are going to buy a "yellow emerald" it might be a good idea to compare it with an equivalent material that is properly marketed as ["heliodor or yellow beryl"](#). Heliodor is a beautiful gem. It sells for a lot less than emerald and it usually does not suffer from the durability and clarity problems that are common in emeralds.



Emerald from Zambia: Emerald crystal from the Kagem Emerald Mine, Zambia, on a matrix of quartz and mica schist. This specimen is about 6.5 centimeters in height and has the blue-green color and medium dark tone that is common in many emeralds mined in Zambia. Specimen and photo by Arkenstone / www.iRocks.com.

Emerald has a **Mohs hardness** of 7.5 to 8, which is normally a very good hardness for jewelry use. However, most emeralds contain numerous **inclusions** or surface-reaching fractures. These can weaken the gem, cause it to be brittle, and make it subject to breakage.

These are expected characteristics of emerald. It is rare to find an emerald that does not have inclusions and surface-reaching fractures that can be seen with the unaided eye. Under low magnification, most emeralds are said to have a "garden" of inclusions.

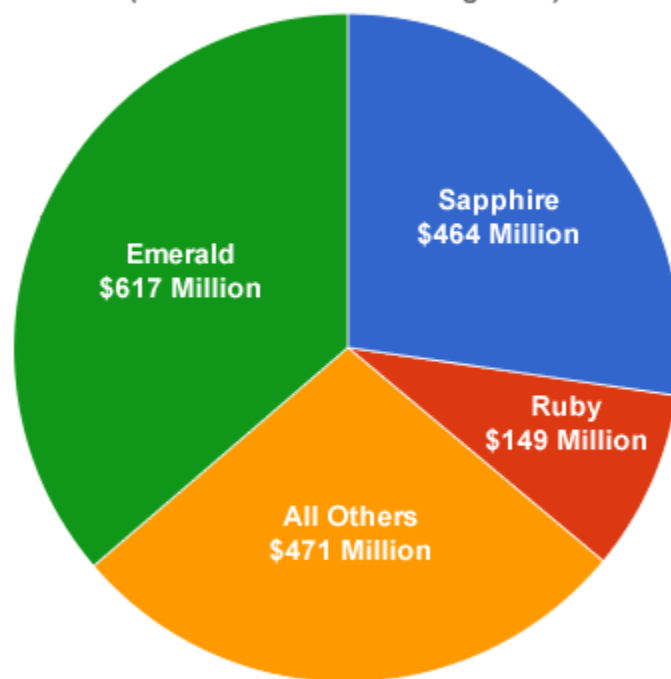
To improve appearance, most cut emeralds are treated with oils, waxes, polymers, or other substances that enter the fractures and make them less obvious. Although these treatments might improve appearance, they often do not improve the durability of the gem and they may discolor or deteriorate over time.

With that information, emerald should be considered a fragile stone that is best worn as a ring stone on special occasions rather than daily. Emerald is better suited for earrings and pendants that are usually subjected to less impact and abrasion than rings and bracelets. Settings that protect the stone are much safer than those that present the stone to impact and abrasion.

Cleaning emeralds should be done carefully. Steam and ultrasonic cleaning can remove oils and other fracture-filling treatments. A light washing in warm water with a mild soap is safer for cleaning and should be done only when needed.

Emerald imports: This graph illustrates the popularity of emeralds in the United States. The pie represents all colored stones imported into the United States during 2015 on the basis of dollar value. As a single gem variety, emerald holds the biggest share of the pie. More dollars' worth of

Colored Stones Imported into the USA
(Dollar value basis during 2015)



Data from the USGS Minerals Yearbook, March 2018

emeralds were imported than any other colored stone. More dollars' worth of emeralds were imported than ruby and sapphire combined. Data from the USGS Minerals Yearbook, March 2018. [1]

Gemstone	Quantity (carats)	Customs Value (Dollars)	Average Cost/carat
Diamond	11,200,000.00	\$22,900,000,000	\$2,044.64
Emerald	3,650,000.00	\$617,000,000	\$169.04
Ruby	3,680,000.00	\$149,000,000	\$40.49
Sapphire	6,640,000.00	\$464,000,000	\$69.88
Other	NA	\$471,000,000	---

Gemstone import value: This chart shows the quantity and value of diamond, emerald, ruby, sapphire, and other colored stones imported into the United States during 2015. This chart shows that, on the basis of cut but unset value, emerald is the most important gemstone import for the United States after diamond. It also has an average per-carat price that is much higher than ruby and sapphire. These amounts are approximately equal to consumption because the amount of domestic production was just several million dollars total. Data from the USGS Minerals Yearbook, March 2018. [1]

Beryl is a rare mineral with a chemical composition of $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$. It is rare because [beryllium](#) is an element that occurs in very small amounts in the Earth's crust. It is unusual for enough beryllium to be present in one location to form minerals. In addition, the conditions in which beryllium is present in significant amounts are different from the conditions where chromium and vanadium, the sources of emerald's green color, are expected. This is why emerald is rare and only found in a small number of locations.

Today, most emerald production originates in four source countries: [Colombia](#), [Zambia](#), [Brazil](#), [Ethiopia](#), and [Zimbabwe](#). These countries reliably produce commercial amounts of emeralds. Minor amounts of production or irregular production comes from [Madagascar](#), [Nigeria](#), [Afghanistan](#), [Pakistan](#), [Canada](#), [Russia](#), and a few other countries.

Field Trip Recap

Nate White

There was no field trip for the month of February, so there is no field trip recap. Look for next months to see what the club has been up-to on the field trip.

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>
<p style="text-align: center;">Jerry's Rock & Gem</p>	<p style="text-align: center;">Rocks, Minerals, Fossils, Equipment, Beading Supplies, Gemstones, Jewelry and Jewelry Repair</p> <p style="text-align: center;">(253) 852-0539 804 West Valley Hwy, Kent, WA 98032 http://jerrysrockandgem.com/</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 each other's attention members who need healing thoughts or prayer sent their way.

If you know of anyone else who needs to be recognized in next months Sunshine Report , please email or call

Tony Johnson at ynotopals@outlook.com (253) 863-9238

MINERAL OF THE MONTH



I know you are probably say, "There is no way these two minerals are related. They look nothing alike." But they are invact the same. These are the incredibly rare mineral named Vishnevite. It is name for the place it was found, Vishnevite Russia. It is part of a complicated family group called Sulfatic Cancrinite or just Cancrinites, which contain Carbon, Sillicate, Sodium,

Calcium, Aluminum, and Feldspare, to name a few.



Mostly found in a clear, to milky to light blue and even orange and yellow color. It is mostly just for specimen and has very little commerical value. Given the feldspar inclusion, Vishnevite can appear to have a pearly luster, but it is only a 5 - 6 on the Mohs. It could be used in lapidary settings, except it as a perfect plan of cleavage, making it brittle when worked in multiple directions.

FROM THE BENCH

Keeping Things Shinny while Patinating

Sometimes there are parts of your work that you want to keep shinny while you are patinating a piece that are hard to reach while polishing, so how do you keep them from turning black in the Liver of Sulfer?

There are a couple of ways. My favorite is to paint the area in liquid latex, let it dry, then peel it off when you are done patinating the piece.

But what if it is someplace hard to get to like inside a stone setting? Sometimes your stone is transparent and you want the inside of your setting to remain bright. You can place a piece of molding putty into the setting, then pull it out once you are done patinating your piece.

The third way, is to only apply the patina to the area you want to have darken using a paint brush. This is sort of the opposite of the first two, where you are leaving the majority of the piece out of the LOS and keeping it shinny instead of putting the whole project into the LOS but with parts protected against the chemical process.

Local Area Shows for 2023

DATE & TIME	CLUB	SHOW	LOCATION
February 2023 11th 9am—5pm 12th 9am—5pm	Whidbey Island Gem Club	57th Annual Sweetheart of Gems Show	The Center in Oak Harbor 51 Jerome St. Oak Harbor WA
February 2023 25th 10am—6pm 26th 10am—5pm	Idaho Gem Club	Annual Gem, Mineral, and Fossil Show	Expo Idaho 5610 Glenwood Boise, ID
March 2023 4th 10am - 6pm 5th 10am - 5pm	East KingCo	Annual Rock and Gem Show	Pickering Barn 1730 10th Ave NW Issaquah, WA
March 2023 4th 10am - 6pm 5th 10am - 5pm	Owyhee Gem & Mineral Society	69th Annual Rock and Gem Show \$5, kids under 11 free	O'Conner Field House 2207 Blaine Caldwell, ID
March 2023 3rd 10am—5pm 4th 10am—5pm 5th 10am—5pm	Tualatin Valley Gem Club	64th Annual Rock and Mineral Show \$1 Adults, 12 & under free	Forest Grove National Guard Amory 2950 Taylor Way Forest Grove OR
March 2023 3rd 9:30am – 5:30pm 4th 9:30am – 5:30pm 5th 9:30am – 5:00pm	Oregon Agate and Mineral Society	72nd OAMS Gem and Mineral Show	OMSI 1945 SE Water Avenue Portland OR 97214
March 2023 10th 9am-6pm 11th 9am - 5pm	Panorama Gem and Mineral Club	Annual Show	Stevens County Fairground 317 West Astor Colville, WA
March 2023 11th 9am - 6pm 12th 10am - 5pm	Northwest Montana Rock Chucks	Gold, Gem, and Mineral Show \$2 high school and up, Middle school & under	Flathead County Fairground Esxpo Building, 265 North Meridian Road Kalispell MT
March 2023 11th 10am - 5pm 12th 10am - 4pm	Magic Valley Gem Club	73rd Annual Show	Twin Falls County Fairgrounds 215 Fair Ave. east of Filer on US Hwy. 30
March 2023 18th 9am - 6pm 19th 10am - 5pm	Hellgate Mineral Society	28th Annual Gem, Fossil, & Mineral show \$3, under 14 free w/adult	Hilton Garden Inn 3700 North Reserve St. Missoula MT
March 2023 24th 10am – 6pm 25th 10am – 6pm 26th 10am – 4pm	Rock Rollers Club of Spokane	62nd Annual Gem, Jewelry and Mineral Show Adults \$8, Seniors/Military \$7, Scouts in uniform and children under 12 free	Spokane County Fair & Expo Center N. 604 Havana Spokane WA
March 2023 25th 10am—5pm 26th 10am - 5pm	SE Idaho Gems & Mineral Society (SEIGMS)	Annual Rock and Gem Show \$3, 12 & under free/adult	Bannock County Fairgrounds 10588 Fairground Dr. Pocatello ID 83201
April 2023 1st 10am—6pm 2nd 10am - 5pm	Sweet Home Rock & Mineral Society	73rd Annual Rock & Mineral Show	Sweet Home HS Activity Gym 1641 Long St. Sweet Home, OR
April 2023 14th 9am - 5pm 15th 9am - 5pm 16th 10am - 4pm	Willamette Agate & Mineral Society	66th Annual Rock and Gem show \$5, 11 & under free/adult	Polk County Fairgrounds 520 S. Pacific Hwy Rickreall, OR
April 2023 15th 10am - pm 16th 10am - 5pm	Idaho Falls Gem & Mineral Society	57th Annual Show \$3 adults, 12 & under free	Idaho Falls Recreation Center Corner of Memorial Drive and B St Idaho Falls, ID

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

March 2023

James Hightower – 1st
 Charmayne Tubig – 1st
 Lynn Pacione-Holman – 2nd
 Ken Schlimme – 2nd
 Tony Siadak – 3rd
 Dennis Small – 4th
 Rea Ganacial – 6th
 Shirley Rheault – 8th
 Jubilee Griffith – 9th
 Alexis Schlimme – 10th
 Kaylie Coolidge – 11th
 Wanda Hightower – 12th
 Peryl Linville – 14th
 Barbara Englander – 15th
 Miguel Lee – 15th
 Brenden Mitchell – 17th
 Ron Williams – 18th
 Bill Clark – 20th
 Beverley Nichols – 21st
 LaVan Siperek – 23rd
 Megan Hochstrasser – 25th
 Oliver Rawson – 27th
 Theresa Pharms – 28th
 Linda Williams – 29th
 Earlene Skinner – 31st
 Wanda Perry – 31st
 Glen M. Ripper – 31st

NAME THAT AGATE

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

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|---------------|---------------------|-----------------|
| 1. BANDED | 11. ELLENSBURG BLUE | 21. MOSS |
| 2. BLUE LACE | 12. ENHYDRO | 22. NIPOMO |
| 3. BOTSWANA | 13. EYE AGATE | 23. PLUME |
| 4. BRAZILIAN | 14. FAIRBURN | 24. PRIDAY |
| 5. BRECCIATED | 15. FIRE | 25. RAINBOW |
| 6. CARNELIAN | 16. FORTIFICATION | 26. SAGENITE |
| 7. CHALCEDONY | 17. GRAVEYARD POINT | 27. SNAKESKIN |
| 8. CLOUD | 18. LAGUNA | 28. SWEETWATER |
| 9. CRAZY LACE | 19. MEXICAN LACE | 29. THUNDER EGG |
| 10. DENDRITIC | 20. MONTANA | 30. TUBE |



ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

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