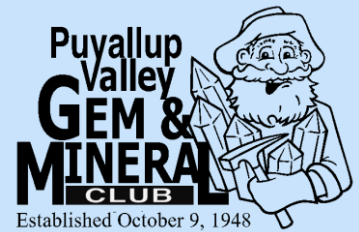


# ROCK-A-TEER



## Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 65

Volume 118

June

2023

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## President's Perspective

Tony Johnson

The club show is this first weekend in June. We are still looking for volunteers to help with the Kitchen and the Kids area's. If you can, please contact us as soon as possible to help make this the best show the club has ever had.

The next couple of months are going to be pretty busy for the club so mark your calendars for the following:

- June – Club Show
- June – Club Tailgate for the Program night
- July – Jerry's Rock Shop for the Program night
- August – Mike and LaVon's annual Sale 1<sup>st</sup> weekend
- August – Show in the Trees – 2<sup>nd</sup> weekend
- August – Overnight Field Trip at Greenwater – 3<sup>rd</sup> weekend
- August – Club Picnic – 4<sup>th</sup> weekend (Saturday only)
- September – WA State Fair Starts – we will need volunteers

# Field Trip Report

### **June 10<sup>th</sup> and 11th – Wild Turkey Mine**

Meeting place – 9:00am through 4:00pm daily

Hunting for – Noble Serpentine

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

Access - this area is fairly easy to access

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

### **July 16 - Red Top**

Meeting place - 10:00AM at Mineral Springs Recreational mile marker 156 on hwy 97

Hunting for - Agate, Jasper, Fossil Shells and Crystal Plates

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

Access - Moderate climb up a steep road cut.

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.

## JUNE 2023 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Thursday		<b>ANNUAL CLUB SHOW</b>		
2	Friday		<b>ANNUAL CLUB SHOW</b>		
3	Saturday		<b>ANNUAL CLUB SHOW</b>		
4	Sunday		<b>ANNUAL CLUB SHOW</b>		
5	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
6	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed Knoll
7	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
8	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
9	Friday	6:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
		7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
10	Saturday	10:00AM-2:00PM	Flint Knapping	Club House	Craig Oda
		9:00AM-4:00PM	Wild Turkey Mine	Field Trip	Nate White
11	Sunday				
12	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
		7:00PM-8:00PM	Opal Club Business Meeting	Club House	Tony Johnson
13	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed Knoll
14	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
15	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
16	Friday				
17	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
18	Sunday				
19	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
20	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed Knoll
21	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
22	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
23	Friday	6:00PM	Tailgate in Parkinglot	Fruitland Grange	Tony Johnson
24	Saturday	10:00AM-2:00PM	PMC - Precious Metal Clay	Club House	Sonora Hauser
25	Sunday				
26	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
27	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Ed Knoll
28	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
29	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
30	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
Jillian Higgins (253) 355-3146		Nate White (206) 349-7054

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

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

## MEET THE MEMBERS

Name: **Dana James**

Favorite Quote: "That which doesn't kills us only makes us stronger." – Fredrick Nietzsche

What are your skills/past experience with the rock Club or rock hounding? I have been a member since 2001 and I got into rockhounding with a friend of mine for the sole purpose of rockhounding. I have NEVER been, not once. I started taking the lapidary classes, amber polishing, opal cutting, gem trees, etc. and then I started teaching them. I have been the secretary and the president of the club at various times. I took over the newsletter and by the time I was done, the newsletter had won national awards. When the club show moved from Maccord Airforce base, to the Grange Hall, Paul and I were in charge of the Kitchen and did it every year the show was at the Grange.

What is your favorite rock, mineral or gem? #1 Opal and #2 Amethyst

What is your favorite thing to do with rocks, minerals or gems? Make jewelry, silversmithing and wire wrapping, and them full time gem trees.

What are your three favorite books/podcasts?

- Gana Deleon – Any books by her, comedic mysteries
- Hope Hallaway – Family sagas

What is your favorite memory surrounding rockhounding/rocks in general? Doing the club show in the kitchen, helping doing the organization, purchasing, making sure the club made money. Fixing good, healthy food for the people who attended the show.

In your opinion, what is the best thing about the Puyallup Valley Gem & Mineral Club? The ability of the members to give back to the community. Going to schools, the fair, having the kid's area at the show, all of that stuff.

In your opinion, where/how does the club need to improve? Because we are limited in our amount of engagement at this time, I am not comfortable giving an opinion.

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

- I am a published author.
- Paul and I adopted our Granddaughters and received them at age 15 months, and they are now 9 years old.
- We love to travel as a family, last trip was to Brazil to the Amazon Rainforest.

What is your greatest accomplishment? Being a Mother, definitely the hardest thing I have ever done. When the girls are grown, this will be the greatest thing I have ever done.

## Associations Director Report

I hope that everyone is doing well and is having a great time rockhounding. Here is my report for this month.

### **Mineral Council:**

A delegates meeting was held on May 16th at the Maplewood Rock and Gem Clubhouse. Meeting was called to order at 7:45pm. The treasurer reported that all bills have been paid. The next field trip is to Saddle Mountain on June 10th. They are still looking for someone to step forward to act as Wagonmaster. A discussion was had about encouraging Washington rock clubs to join the Mineral Council and if they already are members to send delegates to the meeting. They are also seeking people for a committee to oversee the selling of the map guides and ensuring that they are available for sale at the rock shows. Also looking for people to talk to the various agencies and legislators in Olympia about rockhounding. Meeting was adjourned at 8:15.

### **American Land Access Association:**

Mojave Trails National Monument is the only national monument that allows recreational rockhounding. That could change real soon. The Bureau of Land Management (BLM) is drafting a final management plan for the monument and is asking for public comment on potential changes, additions and clarifications for the existing plan. You can send your comments by email to [BLM\\_CA\\_NFO\\_MTNM\\_Plan@blm.gov](mailto:BLM_CA_NFO_MTNM_Plan@blm.gov). All comments must be submitted by June 20th.

Respectfully submitted by  
Mark Baumann  
Associations Director

## Clubhouse report

**Tony Johnson**

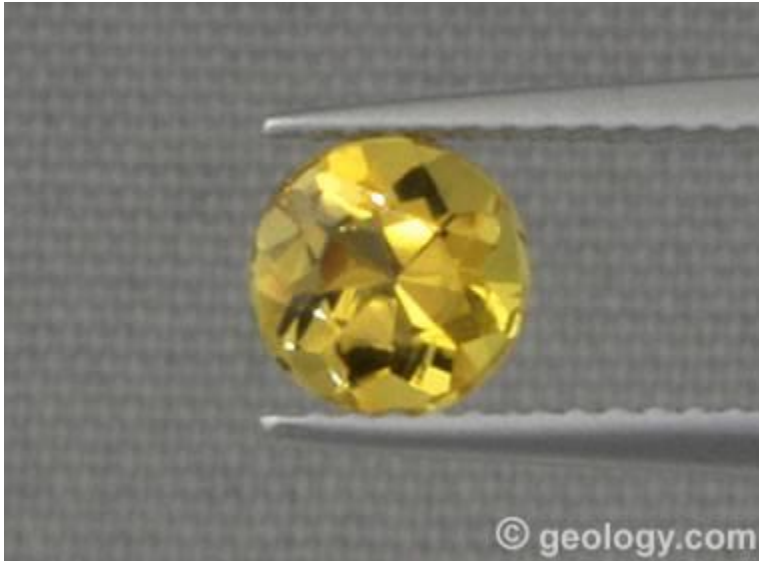
It is the Annual Club Show at the first of June. The clubhouse will be closed from May 31<sup>st</sup> – June 4<sup>th</sup>. I hope you will be able to make it to the show and see all the vendors and club members who will be helping the club put on this wonderful event.

The clubhouse is in full swing. We have a saw that is under repair, but all the others are working just fine. We are very happy to announce Renera will be back in the clubhouse on Tuesday nights, just in a modified capacity. We are happy to have her back and know the beginners who will be learning from both her and Ed will be happy she is back as well.

## Heliodor

*Also known as golden beryl or yellow beryl. Inappropriately as yellow emerald.*

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



**Heliodor:** A round faceted heliodor with a golden-yellow color from Madagascar, measuring 5.97 millimeters in diameter and weighing 0.72 carats.

Heliodor is a name used by mineralogists and gemologists for specimens of the mineral [beryl](#) with a yellow, greenish yellow, or golden-yellow color. Pure beryl is colorless, but impurities within the [mineral](#) cause beryl to occur in a variety of different colors. The yellowish colors of heliodor are usually caused by small amounts of iron within the mineral's crystal structure.

Yellow beryl and golden beryl are other appropriate names for heliodor. They identify the mineral species (beryl) and use color (yellow) as an adjective.

The name "heliodor" is derived from two Greek words: *helios*, which means "sun," and *doron*, which means "gift." They combine as "gift from the sun."

**Etched Heliodor Crystal:** A highly etched greenish yellow heliodor crystal of gem quality from Ukraine. The etching most likely occurred when acidic hydrothermal solutions came into contact with the crystal. Approximately 4.4 x 2.5 x 2.0 centimeters in size. Specimen and photo by Arkenstone / [www.iRocks.com](http://www.iRocks.com).

Some vendors have used the name "yellow emerald" when the gems being sold are heliodor. The name "yellow emerald" is a misnomer. Misnomers are incorrect names that are sometimes misleading.

The name "yellow emerald" is inaccurate and inappropriate. The name "[emerald](#)" represents a variety of beryl with a rich green color caused by [chromium](#) or vanadium. By definition, emeralds have a green color. The name "yellow emerald" can be misleading because it associates less expensive heliodor with more expensive emerald.

The Federal Trade Commission publishes a set of *Guides for the Jewelry, Precious Metals and Pewter Industries*. In the next revision of these





guides, they propose language stating that "it is unfair or deceptive to mark or describe a product with an incorrect varietal name." The names "yellow emerald" and "[green amethyst](#)" will be held up as examples of names that could be misleading "based upon consumer perception evidence." [1]

**Golden Beryl:** A very clear and transparent crystal of golden beryl from Minas Gerais, Brazil. Approximately 3.0 x 1.4 x 1.2 centimeters in size. Specimen and photo by Arkenstone / [www.iRocks.com](http://www.iRocks.com).

## Physical Properties of Heliodor

Chemical Classification	Silicate
Color	Yellow, greenish yellow, golden-yellow
<a href="#">Streak</a>	Colorless (harder than the streak plate)
<a href="#">Luster</a>	Vitreous
Diaphaneity	Translucent to transparent
Cleavage	Imperfect
<a href="#">Mohs Hardness</a>	7.5 to 8
Specific Gravity	2.6 to 2.8
Diagnostic Properties	Crystals are prismatic hexagons with flat terminations, and without striations. Hardness and relatively low specific gravity.
Chemical Composition	$\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$
Crystal System	Hexagonal (occurs in prismatic to tabular crystals), often etched.
Uses	Gemstones for jewelry and collectors. Specimens for mineral collectors.

Heliodor with good clarity and a rich yellow, yellow-green or golden-yellow color can often be cut into attractive [gemstones](#). Its [Mohs hardness](#) of 7.5 to 8 enables it to stand up well to abrasion. It is a suitable gemstone for rings, pendants, pins, earrings, bracelets, and almost any other jewelry use.

The demand for heliodor is small compared to the demand for other gem beryls such as emerald (a green beryl), aquamarine (a blue to greenish blue beryl) and [morganite](#) (an orange to pink beryl). The jewelry-buying public is not familiar with the gem. It has only been used in limited amounts in commercial jewelry because a steady supply of calibrated stones in large numbers has not been developed.

As a result, heliodor is rarely seen in mall jewelry stores. Instead, it is more likely to be found in design shops and stores specializing in interesting [gems](#) and jewelry. Heliodor is a popular stone with gem collectors, and well-formed crystals with good color are popular with mineral collectors.

The iron contained in heliodor can be altered by heat treatment. Light heating will sometimes improve the yellow color of a stone. In some stones, further heating will transform yellow heliodor into a greenish blue to blue material. If the color is appropriate, this material will be sold as heat-treated aquamarine. The color of some yellow heliodor can also be improved by irradiation. Irradiated heliodor is common in the marketplace.



**Cat's-Eye Yellow Heliodor:** This yellow heliodor was mined in Madagascar and cut into a 10 x 8 millimeter chatoyant oval weighing 4.22 carats. It has a beautiful translucent yellow color and a faint cat's-eye.

Rare specimens of heliodor contain a "silk" of tiny, straight, parallel, needle-shaped [inclusions](#). When this heliodor is cut into a cabochon with the silk oriented parallel to the flat bottom of the stone, the dome of the stone will exhibit a phenomenon known as chatoyancy or [cat's-eye](#). The most desirable chatoyant beryls have a highly desirable body color and a bright, thin eye that perfectly bisects the gem. These stones must be cut by a highly skilled person, who can determine the orientation of the silk within a piece of rough, then cut a stone that best displays a well-centered cat's-eye.

Much of the world's heliodor is produced in [Madagascar](#), [Brazil](#), [Namibia](#), [Nigeria](#), [Zimbabwe](#), [Sri Lanka](#), [Russia](#), and other countries.

## Field Trip Recap Nate White

The field trip to Enumclaw went really well. There were nine members, plus one dog. The weather was nice, not too cold and not too hot. Not everyone was able to get in the spot for digging but everyone was able to get down to see where the spot was. With some help from Richard we were able to break off some pieces for everyone to take and a little extra. One of your club members sadly went to the meeting spot on Sunday instead of on Saturday.





## COMMUNITY SUPPORTERS

	<p style="text-align: center;"><b>South Hill RV Sales</b></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 <a href="http://www.southhillrv.com">www.southhillrv.com</a></p>
	<p style="text-align: center;"><b>Rice Museum of Rocks &amp; Minerals</b></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 <a href="mailto:Info@ricenorthwestmuseum.org">Info@ricenorthwestmuseum.org</a> <a href="http://www.ricenorthwestmuseum.org">www.ricenorthwestmuseum.org</a></p>
<p style="text-align: center;"><b>H &amp; I Lapidary</b></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 99<sup>th</sup> Street, Tacoma, WA 98446 <a href="mailto:Yankees_Diesel@comcast.net">Yankees_Diesel@comcast.net</a></p>

## FROM THE BENCH

### Making consistent wires lengths

An easy way to get consistent lengths when it comes to wires, like if you are wanting to make a lot of French ear hooks, you can make a jig.

The first is to have a piece of thin, light wood with a vertical and perpendicular piece at a 90% angle to the "base" piece. Make a notch in the base piece at the desired length. You can make multiple notches on the same jig if you would prefer. Just make sure you measure a couple of times before you file in the notch. This notch should be wide enough for your flush cutters or your jewelers saw blade to fit in.

Another way is to use a tube cut to the length you want (hardware stores carry small gauge steel tubing for wiring). You will be able to insert your wire for cutting into the tub and cut using your flush cutters resting against the end of the tub or your jewelers saw cutting against the end of the tub jib.

## 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](mailto:ynotopals@outlook.com) (253) 863-9238

## MINERAL OF THE MONTH



If this looks like cryptonite to you, I would say I have to agree. Fortunately for the Man of Steal, this is not in fact cryptonite, it is a mineral called Fayalite. This is a unique presentation, but because this mineral is a member of the olivine family, in extremes it can present in this very unique, neon green color. Fayalite is an iron-rich silicate mineral of the olivine sub-family of forsterite-fayalite.

It forms in volcanic and plutonic rocks in the upper mantle of the Earth and crystals start to form on a host rock. If the host rock contains

magnesium the crystals will form in a metallic sheen on the exterior the crystals (see images by the word search) and it will present a reddish brown to pink if there is a substantial amount of iron present.

Fayalite was named by Christian Gmelin after the location it was found on the Fayal Island, Portugal in 1840. It has a hardness of between 6.5 to 7 on the Mohs scale, but usually is in such small deposits that it is not really cuttable.



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

## Local Area Shows for 2023

DATE & TIME	CLUB	SHOW	LOCATION
May 2023 12th 10am-8pm 13th 10am-6pm 14th 1am-5pm	BC Lapidary Society	The BC Rock & Gem Show Admission—\$6 or \$12 3 day pass Students 6-17 \$2 Children under 6 free	Chilliwack Heritage Park 44140 Luckakuek Way Chilliwack, BC Exit 116 (Lickman Rd) off Hwy 1
May 2023 13th 10am - 5pm 14th 10am - 4pm	Hatrockhounds Gem & Mineral Society	\$3, 12 and under free	Eastern Oregon Trade & Event Center 1705 East Airport Road Hermiston OR
May 2023 13th 10am - 6pm 14th 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 2023 19h 10am - 5pm 20h 10am - 5pm 21st 10am—3pm	Mt Hood Rock Club	Mt Hood Rock Club's Rock And Gem Show	Kliever Memorial Armory 10000 NE 33rd Dr. Portland, OR., 97211
May 2023 20th 9am—5pm 21st 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
May 2023 27th 10am—6pm 28th 10am—5pm	Everett Rock and Gem Club	68th Annual show	Evergreen State Fairgrounds 18359 Cascade View Drive Monroe, WA.
May 2023 27th 9am - 6pm 28th 10am - 4pm	Clackamette Mineral & Gem Club	59th Annual Show	Clackamas County Fairgrounds 694 NE 4th Ave Canby, OR
June 2023 3rd 10am—5pm 4th 10am—4pm	North Idaho Mineral Club	Annual Show \$5 adults, 12 & under free w/ Adult	Kootenai County Fairgrounds Jacklin Building 4056 North Government Way Coeur d'Alene ID
June 2023 3rd 10am—5pm 4th 10am—4pm	Kokanee Rock Club	Annual show	Castlegar & District Community Complex 2101 6th Ave Castlegar, BC
June 2023 3rd 9am—5pm 4th 10am—4pm	Ripple Rock Gem & Mineral Club	Annual show	Campbell River Community Centre 401 - 11th Avenue Campbell River, BC
June 2023 9th—12th	Quesnel Tumbling Rivers Rock Club and Two Rivers Rock Club	BC Lapidary Society  RENDEZVOUS 2023	Barlow Creek Hall 3801 Trembley Rd. Quesnel, BC
June 2023 15th 9am—5pm 16th 9am—5pm 17th 9am—5pm 18th 9am—4pm	Prineville Rockhounds	Prineville Rockhound Pow Wow	Crook County Fairgrounds 120S Main Street Prineville OR
June 2023 16th 10am—5pm 17th 10am—5pm 18th 10am—4pm	Lower Umpqua Gem & Lapidary Society	Annual Rock and Gem Show	Reedsport Community Building 451 Winchester Avenue Reedsport OR
June 2023 17th 10am—6pm 18th 10am—5pm	Bitterroot Gem And Mineral Society	Annual Gem show	Ravali County Fairground Farmer's State Bank Event Bldg 100 Old Corvallis Rd Hamilton, MT
July 2023 14th 12am—8pm 15th 9am—5pm 16th 10am—4pm	1120 Rock Club	Annual show	Rutland Centennial Hall 215 Shepard Road Kelowna, BC

## 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](http://amlands.org) or the WA Mineral Council at:

# HAPPY BIRTHDAY

## June 2023

Susie Diedrich – 1<sup>st</sup>  
 Coralyn Armstrong – 2<sup>nd</sup>  
 Benjamin Small – 2<sup>nd</sup>  
 Daniel Walsh – 2<sup>nd</sup>  
 Larry Mays – 3<sup>rd</sup>  
 Debra Olson – 4<sup>th</sup>  
 Tisha Coats – 6<sup>th</sup>  
 Goldi Griffith – 7<sup>th</sup>  
 Anthony Orantes – 7<sup>th</sup>  
 Jennifer Barnstien – 9<sup>th</sup>  
 Judy Rainey-Bellows – 12<sup>th</sup>  
 Matthew Sorensen – 12<sup>th</sup>  
 Carol Wallace – 13<sup>th</sup>  
 Steve Marotta – 15<sup>th</sup>  
 Melanie Morales – 15<sup>th</sup>  
 Gabriel Sanchez – 16<sup>th</sup>  
 Timothy Lamb – 17<sup>th</sup>  
 Makenzi Baker – 17<sup>th</sup>  
 Virginia Currah – 19<sup>th</sup>  
 Miguel Aguirre – 19<sup>th</sup>  
 Danny Englander – 20<sup>th</sup>  
 Roger Forsythe – 21<sup>st</sup>  
 Lyric Guajardo – 21<sup>st</sup>  
 Leah Banner – 22<sup>nd</sup>  
 Susan Crawford – 23<sup>rd</sup>  
 Nick Hernandez – 23<sup>rd</sup>  
 Conor Bod – 28<sup>th</sup>  
 Glenn Rodrick – 28<sup>th</sup>  
 Wren Williams – 28<sup>th</sup>  
 Ajax Griffith – 29<sup>th</sup>  
 Taylor Quigley – 29<sup>th</sup>  
 Sumer Todd-Harding – 29<sup>th</sup>  
 Samuel Williams – 29<sup>th</sup>  
 Shibani Williamson – 30<sup>th</sup>

## IT'S ONLY TERMINOLOGY

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

- |                 |                  |                      |
|-----------------|------------------|----------------------|
| 1. BRITTLE      | 11. FIRE         | 21. MONOCLINIC       |
| 2. CABOCHON     | 12. FLAW         | 22. PLEOCHROISM      |
| 3. CHROMOPHORE  | 13. FLUORESCENCE | 23. REFRACTION       |
| 4. CLARITY      | 14. FRACTURE     | 24. REPLACEMENT      |
| 5. CLEAVAGE     | 15. GEMOLOGY     | 25. SHEEN            |
| 6. COLOR CHANGE | 16. HABIT        | 26. SPECIES          |
| 7. CRYSTAL      | 17. HARDNESS     | 27. SPECIFIC GRAVITY |
| 8. CUBIC        | 18. INCLUSION    | 28. TABULAR          |
| 9. DICHROISM    | 19. LAPIDARY     | 29. TERMINATION      |
| 10. FACET       | 20. LUSTER       | 30. TWINNING         |



# ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

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