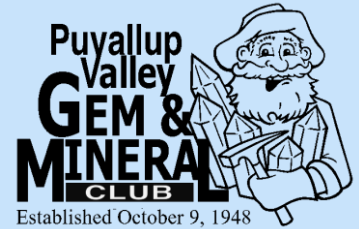


# ROCK-A-TEER

## Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins



Issue 52

Volume 105

May

2022

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## President's Perspective

Tony Johnson

The first auction of the year was a big success. Thank you to Glenn, Mark, and Dennis for the great show they put on. Thank you to everyone who donated items. And a big thank you to everyone who brought in food. The funds generated will be going to the scholarship fund and we will be distributing those funds soon.

The Show is coming up in a little over a month. We are still short in several areas for volunteers. Those areas are:

- Kitchen
- Kids area
- Outside sales
- Welcome desk

If you can help in any of these areas, please let us know at [PVGAMC@gmail.com](mailto:PVGAMC@gmail.com). All volunteers get free admissions into the show.

# Field Trip Report

## May 21<sup>st</sup> – Skycomish River

Meeting place – 9:00 at Covington Fred Meyer

Hunting for – Jade, Serpentine, & Jasper

Tools you need – Rock hammer, shovel, pry bar, hammer, chisel, hip waders, rubber boots for in the river and a backpack/bucket for your treasures

Access – Easy access, limited parking

Additional items - lunch/snacks and water, water, water. Dress in layers. **A Discover Pass.**

## June 18 – Wild Turkey Mine

Meeting place – at the mine location – contact Dennis Batchelor [hobbyhorse51@gmail.com](mailto:hobbyhorse51@gmail.com)

Hunting for - Washington 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

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 joining the club by having Membership applications available.

## MAY 2022 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Sunday				
2	Monday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
3	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Renera & Ed
4	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
5	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
6	Friday				
7	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
8	Sunday				
9	Monday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
		7:00PM-8:00PM	Opal Club Business Meet.	Club House	Tony Johnson
10	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Renera & Ed
11	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
12	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
13	Friday	7:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
		7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
14	Saturday	10:00AM-2:00PM	Gold Panning/Open Clubhouse	Club House	Rick Beehler/ Tony Johnson
15	Sunday				
16	Monday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
17	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Renera & Ed
18	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
19	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
20	Friday				
21	Saturday	10:00AM-2:00PM	Skykomish River	Field Trip	Bill Clark
		10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
22	Sunday				
23	Monday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
24	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Renera & Ed
25	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
26	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
27	Friday	7:30PM	Club Program Night	Fruitland Grange	Tony Johnson
28	Saturday	10:00AM-2:00PM	Fire Agate Carving	Club House	Craig Oda
29	Sunday				
30	Monday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
31	Tuesday	4:00PM-8:00PM	Members Open Access - Beginner	Club House	Renera & Ed

**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
	Bill Clark (360) 893-6919	
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: **Debbie Mays**

Favorite Quote: God grant me the Serenity to accept the things I cannot change, the Courage to change the things I can, and the Wisdom to know the difference.

What are your skills/past experience with the rock Club or rock hounding? Joined the club about 5 years ago, then took a break from Rock Hounding. Joined the club again 2 years ago, strictly a hobby, enjoy learning & visiting new areas.

What is your favorite rock, mineral or gem? Opal

What is your favorite thing to do with rocks, minerals or gems? I have been learning how to cab. Since I now have a few cabs, I'm learning wire wrapping.

What are your three favorite books/podcasts?

I'm more of an audio book listener. Excellent for driving to rock hounding spots.

- I enjoy murder mysteries,
- Drama's
- And Comedy!

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

Went to Rabbit Springs, Idaho, just north of Jackpot, NV. It's sage brush with seam agate laying on the ground. I spotted a black shiny rock that just did not fit in the area. I picked it up to find an arrow head.

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

The club members are fantastic with educating and teaching.

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

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

- Since I was 16, I worked on cars, tearing engines apart, restoring 57 Chevy's and drag racing.
- I was a school bus driver for 7 years then started driving semi's.
- Raise pugs, currently 8 pugs

What is your greatest accomplishment?

Teaching my daughters to follow their dreams, respect others, and never give up.

## Clubhouse report

**Tony Johnson**

Big thank you to Roger Forsythe, Kaitlyn Kiehart, and Teddy McGuire for helping with the club house grounds cleanup. They help trim all the fruit trees, weed wacked, picked up garbage (an entire truck bed full), and helped organize items down by the container.

No big problems happening at the club house, which is a good thing. Let's keep it that way!

## *Associations Director Report - May 2022*

**WASHINGTON STATE MINERAL COUNCIL (WSMC)** - <http://mineralcouncil.cwordpress.com>

made up of reps from over 25 rock and mineral clubs in Washington, <https://mineralcouncil.wordpress.com/>.

**March Meeting Notes:** Walker Valley lease is only one maintained by WSMC. Check the website for upcoming articles about the lease.

### **NEXT FIELD TRIPS**

5/21/2022 Marblemount, donation fee at mine. Talc and listwanite 9 am

5/21/2021 Verlot Ranger Station for Rainbow Chert 9 am.

### **UPCOMING MEETINGS**

4/30/22 Combined Board meeting via zoom. Patti will report out at May Business meeting.

### **MEMBER CLUB SHOWS IN WA**

5/28-29/2022 - Everett Rock & Gem Club - Evergreen State Fairgrounds.

### **WALKER VALLEY UPDATE**

If the gate is locked, park off the side of the road, so not to block traffic, and walk around the gate. The collecting area is less than 250 feet from the gate. Be sure to have a Discover Pass for each vehicle or you might get ticketed as the quarry is on state property. Be sure to fill out the Walker Valley Questionnaire about conditions during your field trip.

### **Walker Valley Questionnaire**

### **RED TOP ACCESS UPDATE**

Access to the rockhounding parking site is open and currently being used. Damage to the road has been repaired and slow travel is recommended going to the top. The area is presently fire restricted.  
Updated 09/14/12

**AMERICAN LANDS ACCESS ASSOCIATION** - [amlands.org](http://amlands.org))

Nothing new posted yet for 2022

### **Mineral and Fossils in Washington**

(from WA DNR website)

Updated 09/01/19

### **Discover Pass required for Washington State Lands**

Updated 04/19/12

## **Field Trip Recap**

**Dennis Batchelor**

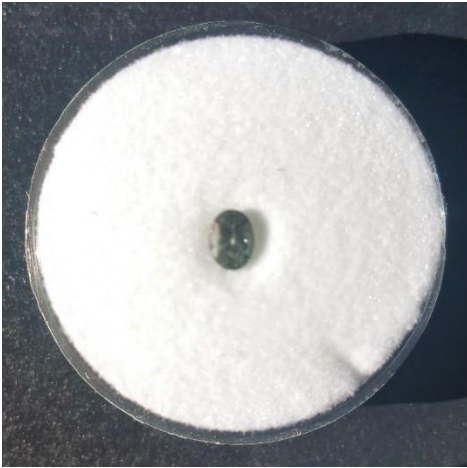
9 people showed up but 1 got caught up in the Kitsap Club caravan. Everyone got a good amount of picture wood, a couple of first timers thoroughly enjoyed the experience.

Then we went to the diatomaceous pits for a cap off.

The roads were clear and dry, it did snow lightly on the mountains and the wind was biting, a vast difference from last year's 80s lol. That's why we dress in layers.

# My Gemstones

## The Pretty, The Odd, The Rare...Alexandrite



Stone size and shape: .205ct. 4.1x3.07mm oval cut

Some information: chemical composition – beryllium aluminum oxide; MOHS hardness – 8.5; specific gravity – 3.70-3.78

A variety of chrysoberyl, alexandrite was first discovered in 1830 in Russia's Ural Mountains and named after Czar Alexander II. The gemstone's primary claim to fame is its ability to change color usually from green in daylight to red in incandescent light. The cause of the effect is chromium, (a chromophore or contaminant that enters into the crystal structure during creation) which is the same element that gives green to emerald and red to ruby. Some have referred to it as emerald by day and ruby by night. Colors can be: green to greyish purple, green blue to purplish-red, yellowish-green to brownish-purple, and green to purplish-pink. See the attached images and see what you think. The purer the green and red colors, along with the percentage of color change (100% the highest), are determiners of the gemstone's pricing.

Alexandrite also exhibits strong pleochroism, or the ability to appear a different color, or lack thereof, depending on the angle it is viewed from. I find it also to be somewhat similar to both corundum and spinel. The former is an aluminum oxide while the latter adds a magnesium atom to the mix instead of the one beryllium in chrysoberyl. Sources of alexandrite are Russia (though I understand not much material comes from there at present), Brazil, Sri Lanka, Tanzania, and Madagascar. Alexandrite is also the birthstone for June including pearl and moonstone, as well as the gem for a couple's 55<sup>th</sup> anniversary.

This stone is one of my favorites in my collection and recently determined to be genuine as most material is created. As a matter of fact, several years ago I had the opportunity to show a jeweler at a Gem Faire event a pair of large stones given to me. Obviously, as I expected, both were synthetic. He further explained that of all the purported alexandrite stones brought to him for a look see over the years he could only remember a couple he felt were genuine. Oh well. I guess my riches will have to come from elsewhere.

Be that as it may, mine is one of two genuine stones in my possession. The second is 26-pointer but exhibiting only some color change. I am unsure of the veracity of the following story relayed to me but, truth or not, the seller, again another Gem Faire vender, claimed this particular stone was part of a parcel smuggled out of Russia. When they complained to the US, President Lynden Johnson's supposed response was, "Finders keepers losers weepers." A few other stones in this vender's stock were closer to a full carat and were going for \$20K+! I could only ogle at these beauties and hope. Maybe when my ship comes in...





# Ammolite

An organic gemstone with a spectacular flash of iridescent colors!

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



**Ammolite cabochons:** Three Ammolite cabochons made from material mined from the Bearpaw Formation at the Aurora Ammolite Mine in Alberta, Canada. All of these cabochons are assembled triplet stones with a transparent quartz cap. The two rectangular stones are 12 x 5 millimeters in size, and the oval-shaped stone is 10 x 8 millimeters in size.

## What is Ammolite?

Gem-quality Ammolite produces a spectacular display of iridescent color when it is observed in reflected light. The colors of an individual stone

can run the full range of the visible spectrum or be limited to just one or two colors. The color display can rival fine [opal](#) and [labradorite](#) in its intensity and beauty.

Ammolite is a trade name given to a thin iridescent aragonite shell material that is found on two species of extinct ammonite fossils (*Placenticerus meeki* and *Placenticerus intercalare*). Other less-frequently used trade names for Ammolite are "Calcenite" and "Korite." It is also known simply as "ammonite shell."

Ammolite is a rare material. All of the world's commercial production comes from a small area along the St. Mary River in southwestern Alberta, Canada. There, two companies mine Ammolite from thin layers in the Bearpaw Formation where the ammonite fossils are found.

**Ammolite jewelry:** Ammolite triplet cabochons used in two pendants and a pair of earrings, all with diamond accents. The jewelry and Ammolite gemstones were produced by Korite International. Photo used here under a [GNU Free Documentation License](#).





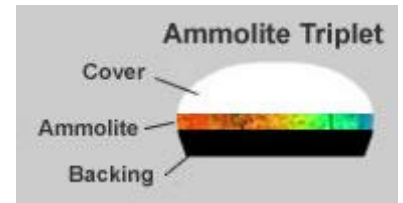
**Iridescent ammonite fossil:** An ammonite fossil with iridescent shell material (Ammolite) mined from the Bearpaw Formation of Alberta, Canada and expertly prepared for display as a fossil specimen.

## Ammolite Gemstones

The color-producing shell layer of Ammolite is usually very thin (often less than one millimeter) and attached to a dark gray to brown base of [shale](#) or siderite. Exceptional pieces can be cut into gems without stabilization.

Most Ammolite is used to produce triplets. These are made by backing the fragile iridescent material with a thin slab for stability and topping it with a transparent cover for protection.

Clear [quartz](#) or [spinel](#) can be used for the transparent cover. Black shale or another material can be used for the backing. Some Ammolite is made into doublets, which only requires adding a backing or transparent cover as needed. Many stones are impregnated with epoxy for stability.



The best stones: 1) produce a vivid display of multiple colors; 2) have a strong iridescence that can be observed from a wide range of angles; and, 3) have a pleasing pattern of color with minimal interruption by gaps, inclusions or fractures.

The highest quality rough is usually cut into freeform shapes to produce gems of maximum carat weight. These are used in designer jewelry. Other grades of material are cut to standard shapes for use in commercial jewelry.

When assembled stones include a clear cap, it normally has a minimum amount of doming to provide the best view of the Ammolite below. A small number of stones have a faceted cap for customers who like that appearance. Uncapped stones are best used in earrings, brooches, pins and pendants where abrasion and impact are less likely. This is because the material is soft (H: 3.5 to 4), brittle, and can cleave upon impact.

**Ammolite map:** A paleogeographic map showing the position of the Western Interior Seaway in which the Bearpaw Formation and Ammolite-producing ammonites were deposited. Image by the United States Geological Survey.



## Geology of Alberta Ammonite



The story of Ammolite begins about 70 to 75 million years ago when forces within the Earth were building the Rocky Mountains in what is now northwestern North America. The area on the east side of the mountains was covered by a broad body of water known as the Western Interior Seaway. It connected what is now the Gulf of Mexico to the Arctic Ocean.

Rains falling on the eastern flank of the young Rocky Mountains washed sediments into the seaway. These sediments accumulated and eventually formed a rock unit known as the Bearpaw Formation. The Bearpaw is composed primarily of marine [shale](#) but contains some thin [sandstones](#) and layers of [volcanic ash](#).

The Western Interior Seaway contained many forms of life, including bony fish, shellfish, sharks, sea turtles, and ammonites. Ammonites (the source organisms for Ammolite) are an extinct group of marine invertebrates that possessed a tightly coiled shell similar to the modern *Nautilus*. The ammonites in the seaway grew to a diameter of up to one meter - but most were about 1/4 to 1/2 that size.

When the ammonites died, their shells fell to the bottom of the seaway and were covered with sediment. Many of them served as a nucleus for the formation of siderite concretions which are now found in the Bearpaw

Formation. The ammonite fossils within these concretions sometimes have an outer shell layer composed of gem-quality Ammolite.



**Mining Ammolite** in the Bearpaw Formation of Alberta, Canada at the Korite International mine.

Photo used here under a [GNU Free Documentation License](#).

## The Bearpaw Formation

The Bearpaw Formation is exposed at Earth's surface in parts of Alberta, Saskatchewan, Montana, and Utah. The only area known to yield gem-quality Ammolite in commercial amounts is located along the St. Mary River in southwestern Alberta, but small amounts of gem Ammolite have been found in other areas.

Iridescent ammonite fossils are found in many outcrops of the Bearpaw Formation, but these are often too damaged by weathering to serve as good gem materials. The best gem-quality material is found in the excavations of mining operations where depth has protected the Ammolite from weathering. Some of it still requires stabilization to be used as a gem material. Some of it is too thin for use in manufacturing.

**Madagascar ammonite:** Iridescent ammonite shells are not unique to the Bearpaw Formation. They are found in many parts of the world. This ammonite specimen was collected in Madagascar and shows beautiful iridescent zones in its shell. The difference between most other iridescent ammonites and those found in the Bearpaw is



that the Bearpaw Formation specimens have a layer of iridescence that is thick enough to cut into gems or to use in manufacturing assembled gems. This specimen is about 33 millimeters across.

## Other Iridescent Ammonites

Ammonites with iridescent material in their shells are not unique to the Bearpaw Formation or to Canada. They have been found in Utah, England, Morocco, and Madagascar. When compared to iridescent material from the Bearpaw formation, these materials typically have iridescence that is: 1) too thin to use in the production of gems; 2) too patchy to produce a good display; or, 3) too weak to catch the eye.

### Physical Properties of Ammolite

<b>Chemical Classification</b>	Carbonate
<b>Color</b>	Iridescent colors that can traverse the entire spectrum - red, orange, yellow, green, blue, indigo and violet. Red and green are the most common colors.
<b><u>Luster</u></b>	Vitreous, accepts a bright polish
<b>Diaphaneity</b>	The gem layer is transparent to translucent.
<b>Cleavage / Fracture</b>	Brittle with distinct cleavage
<b><u>Mohs Hardness</u></b>	3.5 to 4
<b>Specific Gravity</b>	2.6 to 2.9
<b>Diagnostic Properties</b>	A thin layer of iridescent color, often with a fractured appearance, on a base of siderite or shale
<b>Chemical Composition</b>	CaCO <sub>3</sub>
<b>Mineral Composition</b>	Aragonite, usually on a base of siderite or shale
<b>Crystal System</b>	Orthorhombic
<b>Uses</b>	Gemstone

## Ammolite History

The Blackfoot people have known about iridescent ammonite fossils for hundreds of years. They called the material "Iniskim" (meaning "buffalo stone") and used it as a talisman.

Scientists from the Canadian Geological Survey described iridescent ammonite shells in 1908, but the first exhibition of iridescent ammonite in lapidary projects did not occur until 1962, when cut gems were mounted in jewelry and exhibited in a small gem show in Nonton, Alberta.

In 1967, Marcel Charbonneau, owner of a Calgary rock shop, began assembling doublets of iridescent ammonite shell on matrix with a clear quartz cover and calling them "Ammolite." The material quickly became popular. In 1981, Ammolite was recognized as a gemstone by CIBJO Colored Stones Commission, and in 2004 it was named as the official gemstone of the Province of Alberta. The Colored Stones Commission brought

international attention to Ammolite, and its becoming the "Official Alberta Gemstone" produced enormous local popularity.

Today, two companies operate Ammolite mines in the Bearpaw Formation. They are the only mines in the world that produce gem-quality Ammolite. The companies are Aurora Ammolite Mine and Korite International. Korite's marketing materials report that they produce 90% of the world's supply of Ammolite. Most of the Ammolite they produce is cut into finished stones before leaving the company. As a result, very little rough enters the lapidary market.

The size of Alberta's Ammolite resource is difficult to assess. Searching outcrops does not yield reliable information because weathering has destroyed and altered much of the original Ammolite. The productive zones in the Bearpaw Formation are only a few feet thick, and the gem material is concentrated in large fossils. This makes drilling an ineffective [exploration](#) method.

In areas where there is a potential for gem-quality material, the Bearpaw Formation is typically dipping. This limits mining to a thin zone between the outcrop and where the overburden is too thick to mine profitably. This limits the size and value of any discovery. Together, these facts make the long-term availability of Ammolite uncertain.

## COMMUNITY SUPPORTERS

	<p><b>South Hill RV Sales</b></p> <p>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>12414 Meridian East, Puyallup 98373 253-435-7751 or 866-435-7751 <a href="http://www.southhillrv.com">www.southhillrv.com</a></p>
	<p><b>Rice Museum of Rocks &amp; Minerals</b></p> <p>To engage, inspire, and educate generations on the splendor and complexity of our Earth.</p> <p>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><b>H &amp; I Lapidary</b></p>	<p>Amber, Jewelry, Beads, Findings, Gemstones, Slabs, Rough Material, Fossils, and Aussie items.</p> <p>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

Ever wonder how to keep solder from flowing to a place you do not want it? For me, it always seems like the area I am focused on not getting solder all over is the first place it goes.

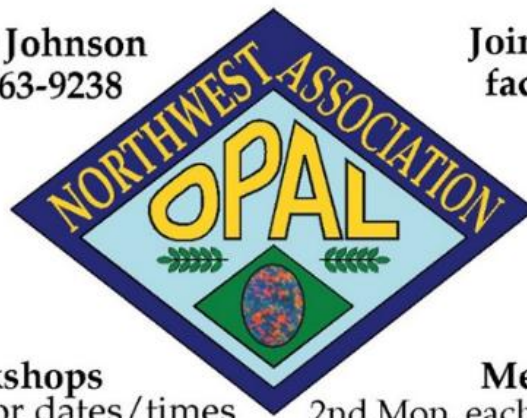
I have found that if you use yellow ochre powder mixed in alcohol, you can make a paste that stops the solder from flowing to the area painted. I use several paintbrushes of different size and shape to get into those areas I want to keep clean.

You can buy yellow ochre powder on Amazon, any art supplier, and some local craft stores. You can also get it at any metal smithing supplier as Anti-Flux.

This really helps to keep pieces clean and saves time during the cleanup process. I highly recommend this for everyone who solders metal together.

**Tony Johnson**  
253-863-9238

Join us on  
facebook



**Workshops**  
call for dates/times

**Meetings**  
2nd Mon. each month

## 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.

Nicole Davis had a strock and is in a recovery facility.

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](mailto:ynotopals@outlook.com) (253) 863-9238 or  
Jillian Higgins at [J.Y.Higgins@gmail.com](mailto:J.Y.Higgins@gmail.com) (253) 355-3146

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



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

## Local Area Shows for 2022

DATE & TIME	CLUB	SHOW	LOCATION
February 2022 12th 9am—5pm 13th 9am—4pm	Whidbey Island Gem Club	Annual Gem Show	The Center in Oak Harbor 51 Jerome St. Oak Harbor WA
March 2022 5th 10am - 6pm 6th 10am - 5pm	Owyhee Gem & Mineral Society	68th Annual Rock and Gem Show	O'Conner Field House 2207 Blaine Caldwell, ID
March 2022 11th 10am—5pm 12th 10am—5pm 13th 10am—5pm	Tualatin Valley Gem Club	62nd Annual Rock and Mineral Show \$1 Adults, 12 & under free	Forest Grove National Guard Amory 2950 Taylor Way Forest Grove OR
March 2022 12th 9am - 6pm 13th 10am - 5pm	Northwest Montana Rock Chucks	Gold, Gem, and Mineral Show	Flathead County Fairgrounds Expo Building (next to grandstands) 265 North Meridian Road Kalispell MT
March 2022 12th 9am - 4pm 13th 9am - 4pm	Magic Valley Gem Club	Annual Show	Twin Falls County Fairgrounds 215 Fair Ave. east of Filer on US Hwy. 30
March 2022 11th 8:30am - 6pm 12th 9am - 5pm	Panorama Gem and Mineral Club	Annual Show	Stevens County Fairground Ag and Trade Center 317 West Astor, Colville, WA
March 2022 26th 10am - 6pm 27th 10am - 5pm	Mt. Baker Rock & Gem Club	Annual Rock and Gem Show	Pioneer Pavilion 2007 Cherry Street Ferndale, WA
March 2022 26th 10am—5pm 27th 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 2022 9th 10am - 6pm 10th 10am - 5pm	Idaho Falls Gem & Mineral Society	56th Annual Show \$3 adults, 12 & under free	Idaho Falls Recreation Center Corner of Memorial Drive and B Street Idaho Falls, ID
March 2022 25th 10am - 6pm 26th 10am - 6pm 27th 10am - 4pm	Rock Rollers Club of Spokane	Annual Gem, Jewelry and Mineral Show Adults \$6, Scout in uniform and children under 12 free	Spokane County Fair & Expo Center N. 404 Havana Spokane WA
March 2022 26th 10am—6pm 27th 10am - 5pm	Sweet Home Rock & Mineral Society	72nd Annual Rock & Mineral Show	Sweet Home HS Activity Gym 1641 Long St. Sweet Home, OR
April 2022 15th 9am - 5pm 16th 9am - 5pm 17th 10am - 4pm	Willamette Agate & Mineral Society	65th Annual Rock and Gem show "River of Gems" \$2, 11 & under free/adult	Polk County Fairgrounds 520 S. Pacific Hwy Rickreall, OR
April 2022 22nd 10am - 4pm 23rd 10am - 5pm 24th 10am—4pm	Yakima Rock & Mineral Club	59th Parade of Gems Adults—\$6 Students—\$2.00 12 & under free	Central Washington State Fair Ground Modern Living Building 1301 South Fair Avenue Yakima ,WA 98901
April 2022 23rd 10am - 5pm 24th 10am - 5pm	West Seattle Rock Club	54th Annual Rock Show	Alki Masonic Temple 4736 40th Ave. SW. Seattle, WA
April/May 2022 30th 10am—5pm 1st 10am—4pm	Billings Gem and Mineral Club	Gem and Fossil Show	Al Bedoo Shrine Auditorium 1125 Broadwater Avenue Billings MT
May 2022 6th 10am - 5pm 7th 10am - 5pm 8th 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 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



# HAPPY BIRTHDAY

## May 2022

Danie Poore Jr. – 1<sup>st</sup>  
 Mary Burkholder – 2<sup>nd</sup>  
 Jeff Kuranko – 3<sup>rd</sup>  
 Dawn Travers – 4<sup>th</sup>  
 Jim Macool – 5<sup>th</sup>  
 Denyl Bledsoe – 6<sup>th</sup>  
 Wesley Ames – 11<sup>th</sup>  
 Mark Bright – 12<sup>th</sup>  
 Sherry Lawrence – 12<sup>th</sup>  
 Annette Briggs – 13<sup>th</sup>  
 Kaitlyn Kiehart – 13<sup>th</sup>  
 Bob Van Putten – 13<sup>th</sup>  
 Jennifer Killion – 15<sup>th</sup>  
 MaKayla Kuranko – 15<sup>th</sup>  
 John Gates – 17<sup>th</sup>  
 Robert Brownlee – 18<sup>th</sup>  
 Mary Drutis-Porter – 18<sup>th</sup>  
 Mike Siperek – 18<sup>th</sup>  
 Kaitlin Hochstrasser – 21<sup>st</sup>  
 Abigale Buzzetta – 24<sup>th</sup>  
 Maile Ganacial – 25<sup>th</sup>  
 Sonara Hauser – 26<sup>th</sup>  
 Michele Forsythe – 28<sup>th</sup>  
 Jerry Rheault – 30<sup>th</sup>

## WASHINGTON, A ROCKHOUND PARADISE

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- |                |                |                    |
|----------------|----------------|--------------------|
| 1. ACTINOLITE  | 11. COPROLITE  | 21. OPAL           |
| 2. AGATE       | 12. EPIDOTE    | 22. PETRIFIED WOOD |
| 3. AMETHYST    | 13. GARNET     | 23. PYRITE         |
| 4. ARAGONITE   | 14. GEODE      | 24. QUARTZ         |
| 5. AUTUNITE    | 15. GOLD       | 25. REALGAR        |
| 6. BARITE      | 16. ILMENITE   | 26. RHODONITE      |
| 7. BERYL       | 17. JADE       | 27. SIDERITE       |
| 8. CALCITE     | 18. JAMESONITE | 28. SILVER         |
| 9. CARNELIAN   | 19. JASPER     | 29. THULITE        |
| 10. CHALCEDONY | 20. MIMETITE   | 30. ZEOLITES       |

# ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

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