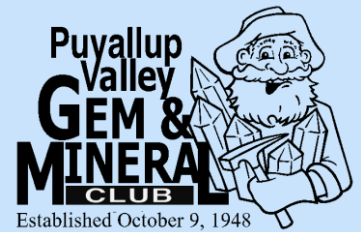


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 60

Volume 113

January

2023

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President's Perspective

Tony Johnson

I feel like this last year (2022) was one of the best years the club has ever had. Given what the club, and the world at large, has gone through over the last couple of years, it has been really amazing the club has gotten back to as close to normal as we did. It was due largely to the work of numerous volunteers, you know who you are, and I cannot say thank you enough to all of you.

I feel like this next year, 2023, will be even better. We have a couple of ideas that we are hoping to bring to fruition that should bring even more benefit to club members for the future development of this amazing group. We might be making some small committees or even asking individual members who we think have skill sets to help the club with these projects, so please be ready to jump in if you think you can help or if you are asked.

As always, if you have any ideas, or just want to pass along information or comments, please reach out to your Directors, Glen Ripper or Richard Yang, and they will bring your ideas forward to the board. You can always reach out to any member of the Board of Directors, but Glen and Richard are your primary contacts. We are always interested in what you have to say.

Field Trip Report

January 22 - No Sights due to Weather

February 19 - No Sights due to Weather

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.

Field Trip Recap

Dennis Batchelor

December's field trip to the Rice Museum is well worth the drive if you have not been there before. Very easy access to the building and the displays are the best you will see on the West Coast.

Since this was a self-guided trip, I hope many of you were able to make use of it and your discount as a member of the club.

JANUARY 2023 CLUB HOUSE SCHEDULE

| DATE | DAY | TIME | ACTIVITY | LOCATION | INSTRUCTOR |
|------|-----------|----------------|--------------------------------|------------------|------------------|
| 1 | Sunday | | | | |
| 2 | Monday | 10:00AM-2:00PM | Members Open Access | Club House | Tasha Parker |
| 3 | Tuesday | 4:00PM-8:00PM | Members Open Access - Beginner | Club House | Ed & Renera |
| 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 | Tasha Parker |
| | | 7:00PM-8:00PM | Opal Club Business Meeting | Club House | Tony Johnson |
| 10 | Tuesday | 4:00PM-8:00PM | Members Open Access - Beginner | Club House | Ed & Renera |
| 11 | Wednesday | 10:00AM-2:00PM | Members Open Access | Club House | Dennis Batchelor |
| | | 4:00PM-8:00PM | Wire Wrapping | Club House | Tony Johnson |
| 12 | Thursday | 4:00PM-8:00PM | Members Open Access | Club House | Tony Johnson |
| 13 | Friday | 6:00PM | Club Board Meeting | Fruitland Grange | Kevin Higgins |
| | | 7:30PM | Club Business Meeting | Fruitland Grange | Tony Johnson |
| 14 | Saturday | 10:00AM-2:00PM | 75th Anniversary Project | Club House | Tony Johnson |
| 15 | Sunday | | | | |
| 16 | Monday | 10:00AM-2:00PM | Members Open Access | Club House | Tasha Parker |
| 17 | Tuesday | 4:00PM-8:00PM | Members Open Access - Beginner | Club House | Ed & Renera |
| 18 | Wednesday | 10:00AM-2:00PM | Members Open Access | Club House | Dennis Batchelor |
| | | 4:00PM-8:00PM | Opal Cutting | Club House | Tony Johnson |
| 19 | Thursday | 4:00PM-8:00PM | Members Workshop | Club House | Tony Johnson |
| 20 | Friday | | | | |
| 21 | Saturday | | NO FIELD TRIP | Field Trip | Nate White |
| | | 10:00AM-2:00PM | Members Open Access | Club House | Glen Ripper |
| 22 | Sunday | | | | |
| 23 | Monday | 10:00AM-2:00PM | Members Workshop | Club House | Tasha Parker |
| 24 | Tuesday | 4:00PM-8:00PM | Members Open Access - Beginner | Club House | Ed & Renera |
| 25 | Wednesday | 4:00PM-8:00PM | Members Workshop | Club House | Tony Johnson |
| | | 4:00PM-8:00PM | Members Open Access | Club House | Tony Johnson |
| 26 | Thursday | 10:00AM-2:00PM | Opal Carving | Club House | Craig Oda |
| 27 | Friday | 7:30PM | Club Program Night | Fruitland Grange | Tony Johnson |
| 28 | Saturday | 10:00AM-2:00PM | Intarsia | Club House | Tony Johnson |
| 29 | Sunday | | | | |
| 30 | Monday | 10:00AM-2:00PM | Members Workshop | Club House | Tasha Parker |
| 31 | Tuesday | 4:00PM-8:00PM | Members Open Access - Beginner | Club House | Ed & Renera |

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) 291-8069 | Kevin Higgins (253) 579-3404 | Glen Ripper (253) 508-7545 |
| Renera Barnes rsb1224@netscape.com | Jillian Higgins (253) 355-3146 | Nate White (206) 291-8069 |

*** **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: **Richard Yang**

Favorite Quote: "We are the best club in the country!" (or something similar) by Tony Johnson

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

Joined the first club, PVG&MC I August 2021, and currently still in the club. First time rockhounding was in 2023 with a friend in college

What is your favorite rock, mineral or gem?

Anything that takes good polish without crack or fracture.

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

Cut it open to see what's inside then polish or make cabs.

What are your three favorite books/podcasts?

- Don't like reading much, so favorite books are comic books.

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

My favorite memory rock hounding is my first field trip with the club to Jordan Creek of Listwanite. That was the first time went to a spot that I am literally surrounding by nice rocks. It is easy access and not far from parking lot, so I tried really hard not to take home every rock I picked up. That trip was also right before I started to learn cabbing, so the first few cabs I ever made is using Listwanite I found during that trip.

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

I think the best thing about the club is the resources our club has; the knowledge combines from all the members about rocks and minerals including rockhounding location, lapidary, and identification. The best part of the club is the people. What is more fun than a bunch of nice happy rockhounder get together and talks about rocks?

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

In my opinion, we can improve on new members onboarding, so the new member know what kind of activities and resources we have. When we join the club, I was a little confused about how the club and clubhouse works, so I think some kind of handbook that we can hand out to new members will be great.

Clubhouse report

Tony Johnson

Over the break there were some minor repairs made, including the sealing up of the largish crack around the A/C unit (so the clubhouse should be warmer), some minor rewiring in the kitchen area, and others.

We are super excited to announce Monday classes are back on. Tasha Parker has agreed to be our newest instructor and we couldn't be happier. This will bring our weekly classes back up to 5 days a week and will hopefully open some space for our Wednesday morning clubhouse attendees to filter between the two classes, freeing up space in both. We would like to thank Tasha in advance for her willingness to join our clubhouse team and become our newest instructor.

Red Beryl

An extremely rare gemstone that receives its red color from trace amounts of manganese.

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



Red Beryl: Crystals of red beryl on matrix from the Violet Mine in the Wah Wah Mountains of Beaver County, Utah. Approximately 11 x 7 x 4 centimeters in size. Specimen and photo by Arkenstone / www.iRocks.com.

Red beryl is an extremely rare variety of [beryl](#) that receives its red color from trace amounts of [manganese](#). In the entire world, crystals suitable for cutting [gems](#) have been found in only one location, the Ruby-Violet claims in the Wah Wah Mountains of Beaver County, [Utah](#). The Utah Geological Survey estimated that one crystal

of red beryl is found for every 150,000 gem-quality [diamonds](#). [1]

Red beryl has been found at a few locations in Utah (Wildhorse Springs, Topaz Valley, Starvation Canyon), New Mexico (Beryllium Virgin prospect, Black Range, East Grants Ridge), and Mexico (San Luis Potosi). [2] At these locations, crystals of red beryl are normally just a few millimeters in length and are too small or imperfect to facet.

Red Beryl: A faceted red beryl with a beautiful medium red color. It measures about 5.2 x 3.9 millimeters in size. From the Wah Wah Mountains of Utah. Photo by TheGemTrader.com.

Red beryl is a rare mineral because its formation requires a unique geochemical environment. First, the element [beryllium](#) must be present in large enough amounts to form [minerals](#). Second, manganese must be present and available at the same time and location. Third, the correct geochemical conditions must be present for beryllium, manganese, aluminum, silicon, and oxygen to crystallize into red beryl. For gem-quality red beryl to form, fractures and cavities must also be available to serve as a space for nice crystals to grow.



Physical Properties of Red Beryl

| | |
|-------------------------|--|
| Chemical Classification | Silicate. |
| Color | Pink to deeply saturated red. |
| <u>Streak</u> | Colorless (harder than the streak plate). |
| <u>Luster</u> | Vitreous. |
| Diaphaneity | Translucent to transparent. |
| Cleavage | Imperfect. |
| <u>Mohs Hardness</u> | 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. Red color. |
| Chemical Composition | $\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$ Trace amounts of manganese produce the red color. |
| Crystal System | Hexagonal (occurs in prismatic to tabular crystals), often etched. |
| Uses | Gemstones for jewelry and collectors. Specimens for mineral collectors. |

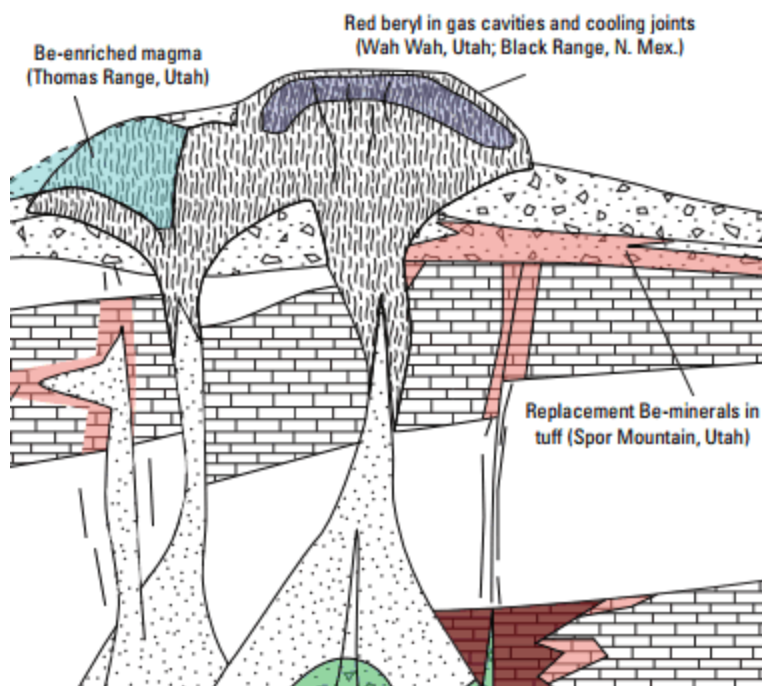
Mineral deposit model for beryllium, showing examples for red beryl localities in Utah and New Mexico. Illustration by the United States Geological Survey. [4]

At the Ruby-Violet mine, the topaz rhyolite member of the Blawn Formation is a lava flow that erupted from volcanic vents about 18 to 20 million years ago. As the lava flow moved and cooled, fractures and cavities developed in the rock. These openings allowed superheated beryllium-rich water and gases to enter the formation. These were being released from a magma chamber that was degassing below.

At the same time, surface water was entering fractures above and moving downwards. It carried oxygen, manganese, aluminum, and silicon leached from the rocks above. Superheated water and gases from below encountered cool waters from above, which produced a change in geochemical conditions that triggered mineral crystallization within the fractures and cavities of the topaz rhyolite. This crystallization is thought to have occurred at temperatures between 300 and 650 degrees Celsius.

Red beryl deposits at other locations in Utah did not form at the same time as the Ruby-Violet deposit. They are in different rhyolite flows with different eruption dates. Mineralization within the region ranges from about 5 million years ago to about 20 million years ago. [1] [2]

Mineral Deposit Models for Beryllium





Red Beryl Crystal Cluster: This cluster of crystals is one of the finest examples of red beryl in the world. It is a small specimen (all specimens of red beryl are small), measuring 6 x 2.7 x 2.6 centimeters in size. It was collected from the Harris Claim in the Wah Wah Mountains of Utah. Specimen and photo by Arkenstone / www.iRocks.com.

The largest crystals of red beryl found at the Ruby-Violet claim are about 2 centimeters wide and 5 centimeters long. But most gem-quality crystals are under 1 centimeter long. This limits the size of faceted stones that can be produced. Red beryl rough is rarely larger than one carat in weight and most faceted red beryls are only 1/4 carat or less.

Fortunately, most specimens of red beryl from Ruby-Violet have a rich saturated red color. This allows tiny faceted stones to exhibit a vivid red color.

Red beryl of 0.2 carats or less is sometimes used as colorful melee. Color-matched melee with a vivid red color can sell for over one thousand dollars per carat. Nice [gems](#) above one carat are very rare and cost several thousand dollars per carat.

Like its beryl cousin, [emerald](#), red beryl is often

included and fractured. These stones are often impregnated with resin to fill fractures, stabilize the gem, and improve durability and appearance. Similar treatments are regularly done to emerald and are acceptable if disclosed to buyers.

Some people use the name "red emerald" when referring to red beryl. This name is a misnomer because emerald, by definition, is green. The Federal Trade Commission disapproves of this type of name because it might cause some people to think that red beryl is an unusual variety of emerald when it is not.

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". [[View Excerpt](#)]

Synthetic Red Beryl: A beautiful synthetic red beryl faceted into a 7.4 x 5.4 millimeter emerald-cut stone weighing 1.23 carats. It would be unprecedented to find red beryl rough with comparable clarity and size in nature - and if such a specimen was discovered as a nicely formed crystal, it would be extremely valuable to a collector or museum as a mineral specimen. Therefore, it would probably not be cut into a faceted stone.



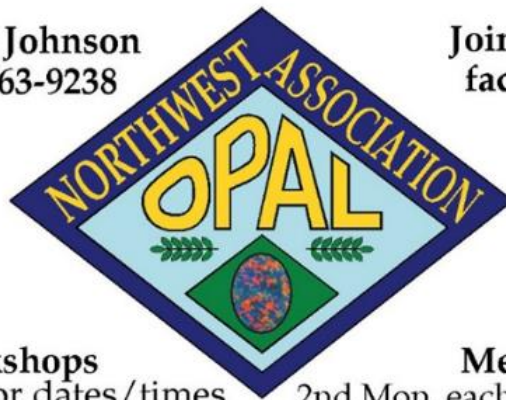
Maynard Bixby discovered red beryl in Utah in 1904. Two years later, Alfred Eppler gave it the name "bixbite" in honor of Bixby. That name was often confused with "bixbyite," a manganese oxide mineral also named after Bixby. The name bixbite was depreciated by the World Jewelry Federation. It is seldom seen today outside of the historical literature.

Lab-created red beryl was first produced in Russia by the hydrothermal process in the mid-1990s. As of January 2016, the lab was no longer producing red beryl. [3]

Lab-created red beryl has the same composition and physical properties as natural red beryl. Gemologists familiar with the materials are able to distinguish lab-created from natural red beryl on the basis of crystal shape, [inclusions](#), and absorption spectra. [2] Lab-created red beryl cut into faceted stones sells for a small fraction of the price paid for natural stones.

Tony Johnson
253-863-9238

**Join us on
facebook**



Workshops
call for dates/times

Meetings
2nd Mon. each month

COMMUNITY SUPPORTERS

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

SUNSHINE REPORT

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

If you know of anyone else who needs to be recognized in next months Sunshine Report, please email PVGAMC@gmail.com or call (253) 987-6751

MINERAL OF THE MONTH



To say I am partial to Green colored gemstones has probably become fairly evident by the amount of them I feature in these articles, but there are also so many to choose from. This gorgeous stone is called Adamite. It is a zinc analogue. What is a zinc analogue? We are guessing this means adamite is an intermediary mineral formed between zinc ore and its host rock, sort of a secondary mineral that develops as the zinc oxidizes.

In its pure form, Adamite is colorless. But if there is Iron present during its formation, it will take on a yellowish color, and if there is Copper present it will turn green. It is also known for having a strong fluorescence which makes it glow very brightly under black light.

Adamite got its name from the French geologist Gilbert-Joseph Adam, but many say it comes from the Biblical name Adam meaning first amongst men. I suppose both could be correct in Adamite's case. It is mostly found in Chile, Mexico, Greece, California and Utah.

FROM THE BENCH

Soldering Flat Pieces Cleanly

Some times when you are trying to solder pieces together, like a relief or image onto a background, it can be hard to keep the solder from flowing from in between the pieces and coming up the side, disrupting the clean edges, or it can leave traces of solder on the base that then need to be cleaned up afterward. Here is a tip that can help.

Flip the image you want in relief (I will use a silver crescent moon as an example) so that the part that is the "back" (that you will be soldering to a smooth base) is facing up. Spray with flux and then strategically place a couple pieces of solder away from the edge. Add enough pieces of solder to create a strong joining to the base of your project.

Then with a sharp eye on your work, start heating the piece so that the solder starts melting and adhering to the moon, but not enough for it to create a smooth flow on the back of the piece. You should have small bumps of solder stuck to the back of the moon. When you are ready to add it to the base to create the relief, you just need to put the piece face up, then heat until the two pieces are laying flat on each other (bumps gone because solder heated to flow and joined the work together) and sometimes you can see a very faint line around the base of the moon where the solder has done its job. It makes a really clean piece of work with little cleanup after since the solder isn't being pulled across the base to in-between the pieces.

You can prep pieces ahead of time and leave them until you need them, saving time as well.

Local Area Shows for 2022/2023

| DATE & TIME | CLUB | SHOW | LOCATION |
|---|-----------------------------------|---|--|
| November 2022 12th 9am - 5pm 13th 10am - 4pm | Skagit Rock & Gem Club | Treasures of the Earth | Sedro Woolley Community Center 703 Pacific St Sedro Woolley WA 98284 |
| November 2022 19th 10am - 5pm 20th 10am - 5pm | Kitsap Mineral and Gem Society | Fall Festival of Gems | The President's Hall 1250 NW Fairgrounds Road Bremerton, WA |
| 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 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 |
| April 2023 29th 10am - 5pm 30th 10am - 4pm | Lakeside Gem & Mineral Club | 26th Annual Rock & Mineral Show \$5 adults, 12 & under free | Benton Franklin County Fairgrounds Building 2, 1500 S. Oak Kennewick, WA |
| April 2023 29th 10am - 5pm 30th 10am - 5pm | West Seattle Rock Club | 55th Annual Rock Show | Alki Masonic Temple 4736 40th Ave. SW. Seattle, WA |
| August 2023 3rd 10am—5pm 4th 10am—5pm 5th 10am—5pm 6th 10am—4pm | Billings Gem and Mineral Club | 2023 AM Fed and NW Fed Gem and Mineral show Adults \$5/day or \$15 4 day pass Under 12 free with adult | Billings Hotel & Convention Center 1223 Mullaney Lane Billings MT |

ing female crystallographer Dame Kathleen Lonsdale, who was the first woman elected as a Fellow of the Royal Society.

Sources: Rare Lonsdaleite Diamond Can Be Formed Using Specialized Chamber Instead of Waiting For Dwarf Planet, Asteroid Collision | Science Times , Wikipedia, MSN articles

From KMGS Hard Rock News, 10/22

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 7, 2023 | Wired-Up (Anything with wire) or any field trip finds | |
| April - 2nd Meeting | April 21, 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 | TBD |
| 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)291-8069 | surfangel830@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

January 2023

Paul Divona – 1st
 Edward Knoll – 1st
 Mark Baumann – 4th
 Jaime Dyson – 6th
 Anthony Wilson – 7th
 Laurie Sloan – 15th
 Mike Pezanowski – 18th
 Rebecca Herron – 18th
 Janetta Smith – 18th
 Harley Edwards – 20th
 Hannah Rosborough – 20th
 Eve Dyson – 29th
 Joe Coolidge – 30th
 Ellie McPherson – 30th
 Susan Coolidge – 31st

ROCKIN' ASTEROIDS III

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

- | | | |
|-----------------|---------------|---------------|
| 1. ABALAKIN | 13. IANREES | 25. ONTAKA |
| 2. ALEXANDRINUS | 14. IKEDA | 26. PALINURUS |
| 3. ASCANIOS | 15. JOKASTE | 27. PANDARUS |
| 4. CAMPESTRIS | 16. KATANGA | 28. QUANTZ |
| 5. CHEMIN | 17. LAVATER | 29. RACINE |
| 6. DENSO | 18. LEOMEDON | 30. RENTARO |
| 7. EBENUM | 19. MALAPARTE | 31. RHODIA |
| 8. ELSASSER | 20. MALPAIS | 32. SEKAINO |
| 9. GABRETA | 21. NARA | 33. TELEPHUS |
| 10. GOLEVKA | 22. NINKASI | 34. VESPUS |
| 11. HECUBA | 23. NORTIA | 35. XIZANG |
| 12. HINDERER | 24. OLEGYA | |



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Gem & Mineral Club

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