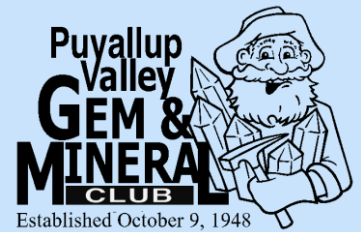


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 61

Volume 114

February

2023

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President's Perspective

Tony Johnson

I would like to give out a big thank you to everyone who demonstrated at the January Program Night. You did a great job, stepped up to the plate, and I am proud of you. With all the new members joining the club, you did a great job representing what the club is about.

We are getting a lot of new members, and we just want to say once again "Welcome"! Please don't hesitate to ask questions, give us a call, or shoot us an email. We are here to help you get to where you want to go and maybe show you things that you didn't even know you could or would do.

This year coming up should be really fun, so keep your eyes on the schedule and the communications to make sure you don't miss out.

Field Trip Report

February 19 - No Sights due to Weather

March 19 – Damon Point

Meeting place - 10:00AM Damon Point Parking Lot

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

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

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

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

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

Nathan White

There are no field trips for either January and February, so hopefully you are all staying safe and playing with rocks you collected last year.

FEBRUARY 2023 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Ed & Renera
2	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
3	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
4	Friday				
5	Saturday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
6	Sunday				
7	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
8	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Ed & Renera
		7:00PM	Club Board Meeting	Fruitland Grange	Kevin Higgins
9	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
10	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
11	Friday	7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
12	Saturday	10:00AM-2:00PM	Wire Weaving - Bails Only	Club House	Jillian Higgins
13	Sunday				
14	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
		7:00PM-8:00PM	Opal Club Business Meeting	Club House	Tony Johnson
15	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Ed & Renera
16	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
17	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
18	Friday				
19	Saturday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
		10:00AM-2:00PM	NO FIELD TRIP	Field Trip	Dennis Batchelor
20	Sunday				
21	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
22	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Ed & Renera
23	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
24	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
25	Friday	7:30PM	Club Program Night	Fruitland Grange	Tony Johnson
26	Saturday	10:00AM-2:00PM	Opal Carving	Club House	Craig Oda
27	Sunday				
28	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper

For questions about a specific class or event, contact the instructor

Dennis Batchelor (360) 870-8741

Ed Knoll (253) 651-7453

Tony Johnson (253) 863-9238

Renera Barnes rsb1224@netscape.com

Jillian Higgins (253)355-3146

Glen Ripper (253) 508-7545

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

MEET THE MEMBERS

Name: **Maria Yang**

Favorite Quote: "Be the change you want to see in the world."

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

My first rock hounding trip was to Hansen Creek dig for crystals in 2020, then joined the club in August 2021.

What is your favorite rock, mineral or gem?

Ametrin

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

My favorite thing to do with minerals is to look at it because every single rock is unique, so I like to observe the different characteristic in each rock. After the thundereggs and geodes show & tell, I found a unique crystal in Ed's geode that he didn't notice before, so it is fun to look at the minerals.

What are your three favorite books/podcasts?

- Tobie Lolness
- The Lion, the Witch and the Wardrobe
- The Red Tree by Shuan Tan

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

My favorite memory rockhounding is the first time ever we went to Greenwater. In early spring, we went to Greenwater following the direction on the map we got from Tony. We hiked for an hour in the snow and then it started snowing again. We could not find the spot that was marked on the map after a while, so we turned around. On the way back, we decided to check the creek near by the restroom, and found a good size agate in the creek. It is funny that after a long hike, we ended up finding the rock at an easy access spot.

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

I like all kinds of shows and events such as potluck and X'mas party that can bring happiness to everyone. The best part of the club is the people. We have so many great club members full of knowledge about rocks and minerals that we can learn from.

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

I think our club can reach out to more of the younger generation people through the social media platform. By using our Facebook fan page (or even IG account), we can show people what we do and what we can offer, then our club can reach out to more people who are interested in joining.

Club House Report

Tony Johnson

The hand rale on the ramp to the clubhouse is going to have a couple new boards, and once these are replaced we will have very little to work on as far as repairs at the clubhouse.

I would like to give a huge Thank you to Tasha, the newest member of the clubhouse team. She has done an amazing job taking over Mondays, and boy has the membership started coming in. Please remember to schedule yourself for classes, because if you don't, you might show up and not have a spot to cab.

My Gemstones

The Pretty, The Odd, The Rare...Sunstone



Stone sizes and shapes: 8.99 ct., 14.55x12.72mm cushion cut; 1.65ct., 8.23x5.82mm emerald cut

Some information: chemical composition – sodium calcium aluminum potassium magnesium silicate (NaCa)Al₂Si₂O₈; MOHS hardness – 6-6.5; specific gravity – 2.62-2.65

Sunstone is a beautiful gemstone that is a plagioclase series contained in the feldspar group of minerals. The plagioclase minerals are a continuous solid solution series rather than separate minerals with a specific chemical composition. There are six minerals that, on a continuum, go from albite, a mostly sodium member that transitions all the way to anorthite, the mostly calcium member at the other end. Going from the sodium end to the calcium end the six minerals are: albite, oligoclase, andesine, labradorite, bytownite, and anorthite.

Albite and labradorite, being to either side of oligoclase, yield small amounts of sunstone. More specifically, it is the mineral oligoclase but can also be an orthoclase (an alkali feldspar).

In an aside plagioclase forms a major mineral in the earth's crust and that of rock in the Moon's highlands. Analysis also suggests that plagioclase is the most abundant mineral in the crust of Mars.

So, if you have in your possession a sunstone gem or one of the other above-named minerals (I have labradorite and bytownite) then you have a gemstone that is truly a gemstone mineral of the solar system!

Back to sunstone... It is found in Oregon (where this faceted duo originated) as well as other locales in the US. It is also found in in Canada, India, Norway, and Russia. In my estimation, the most striking feature of sunstone is the presence of very small platelike parallel inclusions of hematite, goethite, or copper. This gives the material a spangled appearance and often a reddish glow. As for the larger stone, and as can be seen in part, when light strikes the table facet head on an almost complete sheet of gold copper color renders it opaque. Upon seeing this gemstone at one of our club show's vendors I fell in love with it. Pricely. I happened to also be looking at the smaller stone when he made an offer on both items that I juuuust couldn't pass up.

These two are much valued additions to my collection. I have other smaller samples of sunstone in my collection but have some of the reddish tint but are transparent without apparent inclusions.

References:

Smithsonian Nature Guide Gems, pg. 128

Gemstones of the World (5th Edition) Walter Schumann, pg. 182

By Brett Lawrence

Associations Director Report

Washington State Minera Council:

At the board meeting on 01/17 there were a items that were important.

First off the council is looking for a new Wagonmaster to lead field trips. Ed Lehman is no longer able to get around easily. Secondly the Walker Valley lease is expiring in 2024 and they need someone to act as contact and to sign off on it. Preferably someone who lives near Walker Valley as the DNR office is in Sedro Woolley.

American Land Acts Association:

There a few pieces of legislation that have been submitted that may affect rockhounding. First up is H.R. 95 which was introduced on 01/9/2023. This would allow the public more access to public land. Unfortunately there is only a 3% chance of being enacted. H.R. 209 which would improve the mining permitting process for mining on Federal lands. There is no prognosis for chances of passage at this time. H.R. 99 LIST Act of 2023 ("Less Imprecision in Species Treatment Act of 2023) was introduced on 01/09/2023. It will amend the Endangered Species Act of 1973 to provide for improved precision in the listing, delisting and downlisting of endangered species and potentially endangered species. Prognosis is that it has a 3% chance of being enacted.

Mark Baumann

Associations Director

Gem Silica

A bluish green to greenish blue chalcedony that obtains its color from copper.

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



Gem Silica Cabochon: A gemmy, vivid blue cabochon cut from natural, translucent gem silica from the Inspiration Mine, Gila County, Arizona. It is a 1.59 carat trillion measuring about 7.55 x 7.41 x 4.88 millimeters.

Gem silica is a bluish green to greenish blue variety of chalcedony that receives its vivid color from the presence of [copper](#). It is often known as "chrysocolla chalcedony" or "gem silica chrysocolla."

Gem silica is the most valuable variety of chalcedony, with quality cut [gemstones](#) selling for

over \$100 per carat. The best specimens have a pleasing blue color with strong saturation, a uniform translucence, and and a lack of [inclusions](#).

Even though gem silica is one of the most beautiful blue gemstones, most people have never heard of it. That is because it is a very rare gem. It is seldom seen in jewelry and is used mainly by a small number of high-end jewelry designers.

Botryoidal Gem Silica: A beautiful specimen of gem silica in a turquoise blue color, exhibiting the botryoidal habit that is typical of chalcedony. This specimen is approximately 8 x 5.5 x 3.5 centimeters in size. Specimen and photo by Arkenstone / www.iRocks.com.

Only a few locations have produced noteworthy amounts of gem silica. Most of these locations have been productive for only a few years before being worked out.

Gem silica is always associated with [copper](#) deposits. It is a secondary [mineral](#) that forms as cavity linings and fracture fillings in the [rocks](#) above and adjacent to copper deposits. It is even known to occur as a mineral lining in [geodes](#) (see photo on this page). Its occurrence, [habits](#), and deposit geometries are like any other type of chalcedony. Commonly associated minerals include [quartz](#), chalcedony, chrysocolla, and [malachite](#). Deposits are usually small in size and volume. It is a material produced by the gram rather than by the ton.



The Miami-Inspiration Mine in [Arizona](#) is the best recent source of high-quality gem silica. The Keystone Copper Mine in Arizona produced notable amounts of gem silica in the early 1900s. Gem silica has been produced occasionally and in limited amounts from locations in New Mexico, Mexico, Peru, Taiwan, and the Philippines.



Gem Silica Nodule: A nodule composed of gem silica, quartz chalcedony, chrysocolla, and malachite. From the Inspiration Mine, Gila County, Arizona. This specimen is approximately 13.5 x 9.6 x 6.3 centimeters in size. Specimen and photo by Arkenstone / www.iRocks.com.

Stalactitic Gem Silica: A geode with stalactites of gem silica (inverted). From the Inspiration Mine, Gila County, Arizona. Specimen and photo by

Arkenstone / www.iRocks.com.

The names "chrysocolla chalcedony" and "gem silica chrysocolla" are used because the green to blue color of gem silica is related to chrysocolla. Some references state that the color is caused by minute inclusions of chrysocolla within the silica. [1] [2] [3] Others attribute the color to "the same copper salts that give chrysocolla its color." [3] [4]



The name "chrysocolla chalcedony" is appropriate if the person using the name knows that their material contains chrysocolla. The name "gem silica chrysocolla" is a misnomer because chrysocolla is not the primary constituent. "Gem silica" is the most appropriate name.

As a variety of chalcedony, gem silica has a [Mohs hardness](#) of 7 and is durable enough for use in almost any jewelry design. Yet, gem silica is rarely seen in jewelry. The gem is rare, costly, and the supply is limited.

You will probably never see it in mall jewelry stores. The supply is so limited and unpredictable that a large retail chain would be unable to acquire thousands of calibrated cabochons to launch a new product line, then count on more being available if the product line is successful.

If beautiful gem silica jewelry was featured in mall jewelry stores, it might sell slowly because of its high cost and because the average jewelry buyer has never heard of it.

The most likely place to find gem silica in jewelry is in a high-end jewelry store that sells unique one-of-a-kind items. Customers who shop there are the most likely buyers of such rare, expensive, and interesting items. Gem silica is a material for designers and artists rather than mass market manufacturers.



Gem Silica Cabochons: Two gem silica cabochons cut from material produced at the Inspiration Mine, Gila County, Arizona.

A significant percentage of the gem silica sold as cut stones today is purchased by gem collectors, investors, and speculators. They are a major market for rare, costly, and unusual [gems of all kinds](#).

Most valuable gem materials have their impostors, and gem silica is not an exception. Chalcedony is a porous material and easily absorbs liquids. The color of gem silica can be temporarily enhanced by placing it in water. Absorbed water enriches the gem's color.

Clear and milky chalcedony is easily dyed. Chalcedony colored by this method should not be sold as "gem silica," as that would be a misnomer, but some merchants have done it. Buy gem silica from a dealer who you believe is trustworthy and knowledgeable.

MINERAL OF THE MONTH



© Dakota Matrix

Does this fantastic mineral look familiar? I swear I personally have minded it down in Utah. If you think this is a topaz, possibly champain topaz, you would be wrong! This is actually a lead sulfate mineral called Anglesite. Anglesite has an amazing brilliance and can be faceted by a very skilled gem cutter. The reason for this is because it has a hardness of 2.5 to 3 on the Mohs scale, meaning it is very soft. But it has a light dispersion almost equivalent to a diamond.

Conversely, the specific gravity is 6.30 to 6.39 meaning Anglesite is one of the densest gem materials. It comes in multiple colors through a varied range. You can find clear, yellow, gray, light orange, light browns and even some greens. Anglesite also fluoresces under ultraviolet (UV) light and appears yellowish. These crystals also come in a range of opacity, from crystal clear to very milky.

The clearest and largest gem crystals of Anglesite come from Morocco and Namibia produce very large transparent yellowish crystals. It can be found in the United States in Arizona, Idaho, New Mexico, Pennsylvania, and Utah. Globally it is found in Australia, Brazil, Germany, Russia, Mexico, and the United Kingdom.



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Info@ricenorthwestmuseum.org
www.ricenorthwestmuseum.org

FROM THE BENCH

Easy way to texture or make your jewelry pieces matted

There are a couple ways to add texture or make your jewelry pieces (or parts of your jewelry pieces) matted. You can use texturing burs, chemicals, or sand paper, but a really simple, and kind of fun way is to use sand box sand.

Just go to your local hardware store, or even order online, and purchase a 5-gallon bucket, an automotive funnel, and a bag of sand box sand.

Hold your piece above the 5-gallon bucket, scoop the sand into the funnel, and raise the funnel (funnel side down) a comfortable distance (as high as you can comfortably lift it above your work) and let the sand fall onto your work. Gravity will do all the work and the nice thing is it is genital enough that you can use your hand to turn the piece without sustaining any damage to your person. Repeat as many times as it takes to achieve the desired results.

If you only want to make portions of your work matte, cover the areas you wish to stay smooth in liquid latex, let dry, then texture, and peel off the latex when done.

H & I Lapidary

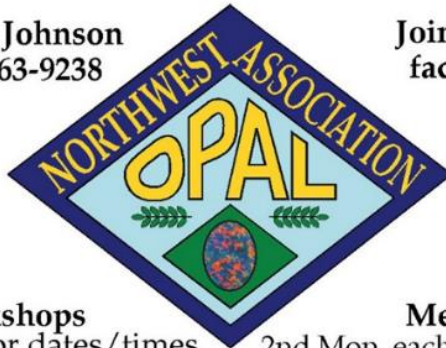
Amber, Jewelry, Beads, Findings, Gemstones, Slabs, Rough Material, Fossils, and Aussie items.

Mike and LaVon Siperek
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4203 E 99th Street, Tacoma, WA 98446
Yankees_Diesel@comcast.net

Tony Johnson
253-863-9238

Join us on
facebook



With everything
started meeting

Workshops
call for dates/times

Meetings
2nd Mon. each month

going on, we have
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 or call

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

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 Mullowney 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	Mini Demonstration Day
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	Field Trips
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

February 2023

Eldon Ainge – 1st
 Vernon Sullivan – 2nd
 Tammie Bergman – 4th
 Kirsten Peterson – 4th
 Lloyd Poehler – 5th
 Tyler Nichols – 7th
 Allen Eriksen – 9th
 Ross McKnight – 10th
 Margaret Barnstien – 11th
 Emily Hochstrasser – 11th
 Vernon Sullivan – 13th
 Tammy Perry – 15th
 Timothy Perry – 15th
 Paul Folkestad – 15th
 Ronald Houser – 19th
 Brett Lawrence – 21th
 Hazel Herron – 23rd
 Marion Killion – 23rd
 Christina Morrissey – 23rd
 Barbara Maves – 25th
 Greg Arnold – 26th



ROCKIN' ASTEROIDS II

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

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|---------------|----------------|--------------|
| 1. ABATSUMANI | 12. JUKAKU | 23. REMARQUE |
| 2. BABBAGE | 13. LAPOVOK | 24. RESNIK |
| 3. CHIRON | 14. MARSDEN | 25. SABENA |
| 4. DEIKOON | 15. MENGE | 26. TACITUS |
| 5. DELMARY | 16. NORIKURA | 27. TOLOSA |
| 6. EISENHART | 17. OGAWA | 28. UEMURA |
| 7. FOUCAULT | 18. OLBERSIA | 29. ULANOVA |
| 8. GINEVRE | 19. PALESTRINA | 30. VAISALA |
| 9. HADRIANUS | 20. QUERCUS | 31. WAKATA |
| 10. HANDLEY | 21. QUITO | 32. YUBAKI |
| 11. IANTHE | 22. RACHEL | 33. ZANSTRA |

ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

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