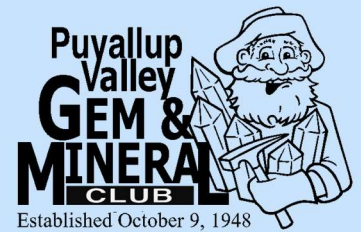


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 45

Volume 98

October

2021

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(253) 987-6751

President's Perspective

Tony Johnson

2022 is almost upon us and that means it is time to vote on a new board for the club. Please check the notice below about who is wanting to run and if you are interested or have someone else you think would be good to for the board, please nominate yourself/them by contacting me or coming to the October Business Meeting for when we take nominations from the floor.

Next years Fair will be more like years past. The club has been asked if we would have a daily presence, all day, in a permanent location. I know this is a year away, and nothing is set in stones, but we really need to start planning now. If you have rocks to tumble, start tumbling and think about if you will be able to give your time. It is a lot of fun giving children rocks, and meeting new people.

I want to give a huge **THANK YOU** to everyone who volunteered this year. Because we stepped up and helped the fair out, they want to help us out by bringing us back full time.

Octobers Program Night is the second auction/potluck to raise funds for the scholarship fund and we will be having a potluck. Bust out your family recipes and grab your items for donation. We are going to make a change by having you list who donated the items so you get recognition for your donation.

Field Trip Report

October 16 – Jordan Creek (Marblemount)

Meeting place - 10:00AM at Marble Mountain Fish Hatchery Hwy 20

Hunting for – Listwanite and Jade

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

Access - moderate terrain, ½ mile hike from hatchery

Additional items - lunch/snacks and water, water, water. Dress in layers. Be prepared for ticks/mosquitoes

November 20 – Twin Rivers (Joyce)

Meeting place - 10:00Aam Joyce General Store on Hwy 112

Hunting for – Concreations

Tools you need - Rock hammer, shovel, hammer, backpack/bucket for your treasures

Access - easy terrain, based on the tides

Additional items - lunch/snacks and water, water, water. Dress for wet weather 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.

OCTOBER 2021 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Friday				
2	Saturday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
3	Sunday				
4	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
5	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Renera & Ed
		7:00PM	Club Board Meeting	Fruitland Grange	Jim Christian
6	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
7	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
8	Friday	7:30PM	Club Business Meeting	Fruitland Grange	Tony Johnson
9	Saturday	10:00AM-2:00PM	Amber Polishing	Club House	Tony Johnson
10	Sunday				
11	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
		7:00PM-8:00PM	Opal Club Business Meet.	Club House	Tony Johnson
12	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Renera & Ed
13	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
14	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
15	Friday				
16	Saturday	10:00AM-2:00PM	Jordan Creek - Marble Mt.	Field Trip	Dennis Batchelor
		10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
17	Sunday				
18	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
19	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Renera & Ed
20	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
21	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
22	Friday	6:00PM	Club Auction/Potluck	Fruitland Grange	Tony Johnson
23	Saturday	10:00AM-2:00PM	Intarsia	Club House	Tony Johnson
24	Sunday				
25	Monday	10:00AM-2:00PM	Members Workshop	Club House	Glen Ripper
26	Tuesday	4:00PM-8:00PM	Members Workshop	Club House	Renera & Ed
27	Wednesday	10:00AM-2:00PM	Members Workshop	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
28	Thursday	4:00PM-8:00PM	Members Workshop	Club House	Tony Johnson
29	Friday				
30	Saturday	10:00AM-2:00PM	Opal Cutting	Club House	Tony Johnson
31	Sunday				

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 website for updates.

Nomination Committee Report

The nominating committee is publishing the recommendations for the 2022 club board as follows. The committee will be providing this information to all club members by email as well as newsletter. Nominees will be confirmed by the club at the October business meeting.

The nominating committee recommends the following club members for the 2022 Board of Directors.

President: Tony Johnson
Vice President: Kevin Higgins
Secretary: Teresa Rodrick
Treasurer: Jillian Higgins
Associations Director: Patti Dailey-Shives
1 Year Director: Jack Ragusa
2 Year Director: Glen Ripper
1 Year Trustee: Dennis Batchelor
2 Year Trustee: Glenn Rodrick

Clubhouse report

Tony Johnson

Classes are starting to fill up as the weather start pushing us inside for more indoor activities. Make sure you email Jillian as soon as her email comes out to get on the schedule.

We will be looking for some volunteers in November to help us trim the trees around the club house. Please keep your eyes on the scheduled and check your emails if you are able to volunteer, there might be some goodies for you for your time.

We will be looking to do maintenance, especially the heater, as the weather starts to change. We will be doing some floor repairs and the electrical work. As soon as we tighten up the schedule we will be asking for some volunteers. Keep your eyes on the schedule to make sure you plan accordingly.

Cabbing Contest

Dennis Batchelor

Jack Ragusa had given me one of his lamps and some Tiger Eye slabettes before covid for a cabochon contest. That was put on hold due to covid. I would like to start the contest over and have the winner chosen at our Christmas party. In that light, people who wish to participate can pick up their slabbette on Monday/Wednesday mornings at the clubhouse, Tuesday/Thursday evenings at the clubhouse, or at any of the October/November meetings. Finished cabs will be voted on at the Christmas meeting, the top 3 will be reviewed by me and I will make the final decision for Jack.

Puyallup Valley Gem & Mineral Club

Membership Application

*** PLEASE PRINT LEGIBLY ***

Web Site: <http://puyallupvalleygemandmineralclub.com>

ANNUAL MEMBERSHIP DUES: ▶ Single - \$20.00 ▶ Family (2 or more) - \$26.00
 [Dues are due October 1st for the next calendar year and half price beginning July 1st for the current year]

YEAR: 2022

FOR FAMILY MEMBERSHIPS, ALL INDIVIDUALS MUST LIVE AT THE SAME RESIDENCE

1) (Circle one) **Adult** OR **Child**

Name: First Name ->
 Last Name ->

DATE OF BIRTH: / /

2) (Circle one) **Adult** OR **Child**

Name: First Name ->
 Last Name ->

DATE OF BIRTH: / /

3) (Circle one) **Adult** OR **Child**

Name: First Name ->
 Last Name ->

DATE OF BIRTH: / /

4) (Circle one) **Adult** OR **Child**

Name: First Name ->
 Last Name ->

DATE OF BIRTH: / /

Additional Family members? Check here --> and use an additional Application to add more family members.

Address:

City: State: Zip: -

Primary Email:

Primary Phone: - - Cell Phone: - -

Please let the Membership Chairperson know as soon as any changes occur in the above information!

Names, addresses and phone numbers are provided to the Club Treasurer, Membership Chairperson and Board Members.

>>OTHER THAN THE ABOVE, PVG&MC DOES NOT SHARE YOUR PERSONAL INFORMATION<<

Give this completed form and your payment to the Treasurer or mail to: **PVG&MC, P.O. Box 134, Puyallup, WA 98371**
 For Expedited processing mail to: **Jillian Higgins c/o PVG&MC, 22509 120th St. Ct. E. Bonney Lake, WA 98391**

*** NEVER SEND CASH THROUGH THE MAIL *** Make checks payable to: **PVG&MC** ***

[Upon receipt of this form with payment, a membership card will be created for you and emailed, or mailed upon request.]

As a member of the Puyallup Valley Gem & Mineral Club, I agree to abide by the rules of the Rock Hounding Code of Ethics and the BY-LAWS of the Puyallup Valley Gem & Mineral Club.

How did you hear about our Club?

Member's Signature: Date:

Official Use Only:	Membership #: <input type="text"/>	Card Issue Date: <input type="text"/>	Roster Entry Date: <input type="text"/>
Amount: \$ <input type="text"/>	<input type="checkbox"/> Cash <input type="checkbox"/> Check [# <input type="text"/>	<input type="checkbox"/> Credit Card	Receiver's Initials: <input type="text"/> Email Date: <input type="text"/>

Puyallup Valley Gem & Mineral Club

Membership Renewal

*** PLEASE PRINT LEGIBLY ***

Web Site: <http://puyallupvalleygemandmineralclub.com>

ANNUAL MEMBERSHIP DUES: ▶ Single - \$20.00 ▶ Family (2 or more) - \$26.00 [Dues are due October 1 st for the next calendar year and half price beginning July 1 st for the current year]	YEAR: 2022
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FOR FAMILY MEMBERSHIPS, ALL INDIVIDUALS MUST LIVE AT THE SAME RESIDENCE

SINGLE RENEWAL FAMILY RENEWAL

PRINT YOUR FIRST AND LAST NAME: _____ DATE OF BIRTH: ____ / ____ / ____

NOTE ANY CHANGES OF ADDRESS, PHONE, EMAIL, ETC, BELOW. IF SAME AS LAST YEAR, JUST CIRCLE "SAME"
IF YOU CIRCLE "NEW", PLEASE ENTER THE NEW INFORMATION BELOW.

ADDRESS: (CIRCLE ONE) **SAME OR NEW** : _____

PHONE: (CIRCLE ONE) **SAME OR NEW** : _____

EMAIL: (CIRCLE ONE) **SAME OR NEW** : _____

OTHER: (CIRCLE ONE) **SAME OR NEW** : _____

FOR FAMILY MEMBERSHIP, CONFIRM/NAME OTHER FAMILY MEMBERS BELOW AND CIRCLE 'ADULT' OR 'CHILD' (under 18)

(Circle one) **Adult OR Child** _____ DATE OF BIRTH: ____ / ____ / ____

(Circle one) **Adult OR Child** _____ DATE OF BIRTH: ____ / ____ / ____

(Circle one) **Adult OR Child** _____ DATE OF BIRTH: ____ / ____ / ____

Please let the Membership Chairperson know as soon as any changes occur in the above information!

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As a member of the Puyallup Valley Gem & Mineral Club, I agree to abide by the rules of the Rock Hounding Code of Ethics and the BY-LAWS of the Puyallup Valley Gem & Mineral Club.

Member's Signature: _____ Date: _____

Official Use Only:	Membership #: _____	Card Issue Date: ____/____/____	Roster Entry Date: ____/____/____
Amount: \$ _____	<input type="checkbox"/> Cash <input type="checkbox"/> Check [# _____]	<input type="checkbox"/> Credit Card	Receiver's Initials: _____ Email Date: ____/____/____

Created by Universal Document Converter

Revised September 4, 2021

METEORITE TYPES AND CLASSIFICATION

The second in a series of articles by Geoffrey Notkin, [Aerolite Meteorites](#)

Iron Meteorite: Detail of a polished and etched slice from a siderite (iron) meteorite found in the Brenham, Kansas strewnfield in 2005 by professional meteorite hunter Steve Arnold. The slice has been etched with a mild solution of nitric acid to reveal an interlocking pattern of iron-nickel alloys, taenite and kamacite. The lattice-like structure is known as a Widmanstätten Pattern after Count Alois von Beckh Widmanstätten who described the phenomenon in the early 1800s. Photo by Geoffrey Notkin, copyright Aerolite Meteorites.



It is often said that when the average person imagines what a meteorite looks like, they think of an iron. It is easy to see why. [Iron meteorites](#) are dense, very heavy, and have often been forged into unusual or even spectacular shapes as they plummet, melting, through our planet's atmosphere.

Though irons may be synonymous with most people's perception of a typical space rock's appearance, they are only one of three main meteorite types, and rather uncommon compared to [stone meteorites](#), especially the most abundant stone meteorite group-the ordinary chondrites.



Iron Meteorite: A superb 1,363-gram complete iron meteorite from the Sikhote-Alin meteorite shower which occurred in a remote part of eastern Siberia in the winter of 1947. This fine specimen is described as a complete individual, as it flew through the atmosphere in one piece, without fragmenting. Its surface is covered with scores of small regmaglypts, or thumbprints, created by melting during flight. The Sikhote-Alin shower was the largest recorded witnessed meteorite fall in history. Photo by Geoffrey Notkin, copyright Aerolite Meteorites. [Click to enlarge.](#)

The Three Main Types of Meteorites

[What Are Meteorites?](#)



Although there are a large number of sub classes, [meteorites](#) are divided into three main groups: irons, stones and [stony-irons](#). Almost all meteorites contain extraterrestrial nickel and iron, and those that contain no iron at all are so rare that when we are asked for help and advice on identifying possible space rocks, we usually discount anything that does not contain significant amounts of metal. Much of meteorite classification is based, in fact, on how much iron a specimen does contain.

Stone Meteorite: A 56.5-gram complete individual of the Millbillillie eucrite from Australia. It was a witnessed fall (1960) and is a rare type of achondrite—a stone meteorite which does not contain chondrules. Eucrites are volcanic rocks from other bodies in the solar system, and Millbillillie is one of the very few meteorites which does not contain iron-nickel. Note the glossy black fusion crust, and fine flow lines which were caused as the surface of the meteorite melted during flight. This specimen is also highly oriented, with a textbook snub-nosed leading edge (pictured) and a flat back. Photo by Geoffrey Notkin, copyright Aerolite Meteorites.



Iron Meteorites

When I give lectures and slideshows about meteorites to rock and mineral societies, museums, and schools, I always enjoy commencing the presentation by passing around a softball-sized iron meteorite.

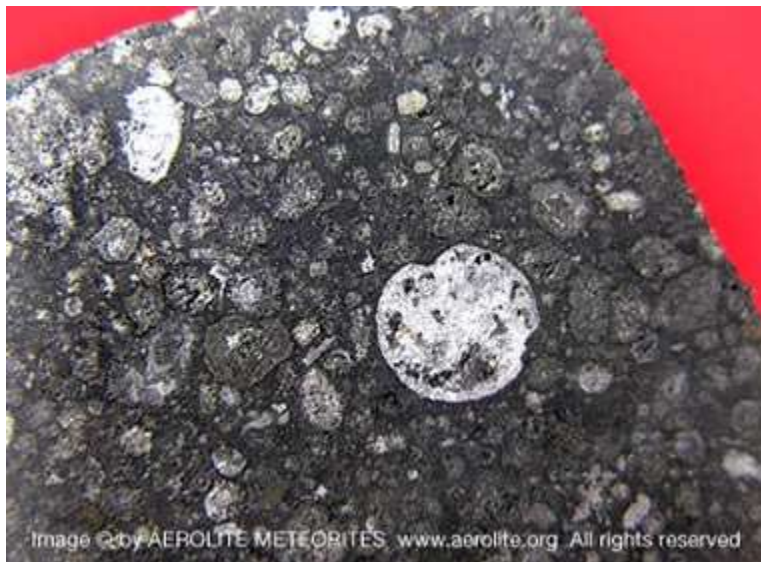
Most people have never held a space rock in their hands and when someone does pick up an iron meteorite for the first time their face lights up and their reaction is, almost without fail, to exclaim: "Wow, it's so heavy!"

Iron meteorites were once part of the core of a long-vanished planet or large asteroid and are believed to have originated within the Asteroid Belt between Mars and Jupiter. They are among the densest materials on earth and will stick very strongly to a powerful magnet. Iron meteorites are far heavier than most earth rocks—if you've ever lifted up a cannon ball or a slab of iron or steel, you'll get the idea.

In most specimens of this group, the iron content is approximately 90 to 95% with the remainder comprised of [nickel](#) and trace elements. Iron meteorites are subdivided into classes both by chemical composition and structure. Structural classes are determined by studying their two component iron-nickel alloys: kamacite and taenite.

These alloys grow into a complex interlocking crystalline pattern known as the Widmanstätten Pattern, after Count Alois von Beckh Widmanstätten who described the phenomenon in the 19th Century.

This remarkable lattice-like arrangement can be very beautiful and is normally only visible when iron meteorites are cut into slabs, polished, and then etched with a mild solution of nitric acid. The kamacite crystals revealed by this process are measured and the average bandwidth is used to subdivide iron meteorites into a number of structural classes. An iron with very narrow bands, less than 1 mm, would be a "fine octahedrite" and those with wide bands would be called "coarse octahedrites."



Stone meteorite: Detail of prepared slice of the carbonaceous chondrite Allende, which was seen to fall in Chihuahua, Mexico on the night of February 8, 1969, following a massive fireball. Allende contains carbonaceous compounds as well as calcium-rich inclusions (large white circle near center). NASA scientist Dr. Elbert King traveled to the site immediately following the fall, and recovered numerous specimens which were traded with institutions around the world, making Allende one of the most widely studied meteorites. The Allende meteorite also contains micro diamonds, and is believed to pre-date the formation of our own solar system. Photo by Leigh Anne DelRay, copyright Aerolite Meteorites.

Stone Meteorites

The largest group of meteorites is the stones, and they once formed part of the outer crust of a planet or asteroid. Many stone meteorites-particularly those that have been on the surface of our planet for an extended period of time-frequently look much like terrestrial rocks, and it can take a skilled eye to spot them when meteorite hunting in the field.

Freshly fallen stones will exhibit a black fusion crust, created as the surface literally burned during flight, and the vast majority of stones contain enough iron for them to easily adhere to a powerful magnet.

Some stone meteorites contain small, colorful, grain-like inclusions known as "chondrules." These tiny grains originated in the solar nebula, and therefore pre-date the formation of our planet and the rest of the solar system, making them the oldest known matter available to us for study. Stone meteorites that contain these chondrules are known as "chondrites."

Space rocks without chondrites are known as "achondrites." These are volcanic rocks from space which formed from igneous activity within their parent bodies where melting and recrystallization eradicated all trace of ancient chondrules. Achondrites contain little or no extraterrestrial iron, making them much more difficult to find than most other meteorites, though specimens often display a remarkable glossy fusion crust which looks almost like enamel paint.

Stony-Iron Meteorite: A sea of gold and orange olivine crystals (the gemstone peridot) lie suspended in a matrix of extraterrestrial iron-nickel in this polished slice of the Imilac pallasite, first discovered in Chile's remote Atacama Desert in 1822. When properly prepared, pallasites are among the most alluring of meteorite, and are highly prized by collectors, both because of their rarity and beauty. Photo by Geoffrey Notkin, copyright Aerolite Meteorites.



Stone Meteorites from Moon and Mars

Do we really find lunar and martian rocks on the surface of our own planet? The answer is yes, but they are extremely rare. About one hundred different lunar meteorites (lunaites) and approximately thirty Martian meteorites (SNCs) have been discovered on earth, and they all belong to the achondrite group.

Impacts on the lunar and Martian surfaces by other meteorites fired fragments into space and some of those fragments eventually fell on earth. In financial terms lunar and Martian specimens are among the most valuable meteorites, often selling on the collectors' market for up to \$1,000 per gram, making them worth many times their weight in gold.

Hunting Pallasite Meteorites

Geoffrey Notkin has written extensively about meteorites and has been involved in television documentaries about them. He searched for pallasites with Steve Arnold in Kiowa County, Kansas and iron meteorites and pallasites near Glorieta, New Mexico in an episode of [Cash and Treasures](#). Again, with Steve Arnold, he searched for Brenham pallasites in an episode of [Wired Science](#) for PBS.



Stony-Iron Meteorite: The mesosiderite Vaca Muerta shows characteristics of both iron and stone meteorites, hence its class—a stony-iron. This weathered fragment was found in Chile's Atacama Desert. One face has been cut and polished to reveal a mottled black and silver interior. Photo by Leigh Anne DelRay, copyright Aerolite Meteorites.

Stony-Iron Meteorites

The least abundant of the three main types, the stony-irons, account for less than 2% of all known meteorites. They are comprised of roughly equal amounts of nickel-iron and stone and are divided into two groups: pallasites and mesosiderites. The stony-irons are thought to have formed at the core/mantle boundary of their parent bodies.

Pallasites are perhaps the most alluring of all meteorites, and certainly of great interest to private collectors. Pallasites consist of a nickel-iron matrix packed with [olivine](#) crystals. When olivine crystals are of sufficient purity, and display an emerald-green color, they are known as the [gemstone](#) peridot. Pallasites take their name from a German zoologist and explorer, Peter Pallas, who described the Russian meteorite Krasnojarsk, found near the Siberian capital of the same name in the 18th Century. When cut and polished into thin slabs, the crystals in pallasites become translucent giving them a remarkable otherworldly beauty.

The mesosiderites are the smaller of the two stony-iron groups. They contain both nickel-iron and silicates and usually show an attractive, high-contrast silver and black matrix when cut and polished—the seemingly random mixture of inclusions leading to some very striking features. The word mesosiderite is derived from the Greek for "half" and "iron," and they are very rare. Of the thousands of officially cataloged meteorites, fewer than one hundred are mesosiderites.

Classification of Meteorites

The classification of meteorites is a complex and technical subject and the above is intended only as a brief overview of the topic. Classification methodology has changed several times over the years; known meteorites are sometimes reclassified, and occasionally entirely new subclasses are added. For further reading I recommend *The Cambridge Encyclopedia of Meteorites* by O. Richard Norton and *The Handbook of Iron Meteorites* by Vagn Buchwald.

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>

Saws for Sale

22" Highland Park - \$2,500.00 - Confirmed operational and cleaned up
24" Royal - \$2,500.00 - Confirmed operational and cleaned up - Comes with 3 extra blades

Please contact Tony Johnson at (253) 863-9238

FROM THE BENCH

Given the current climate, and all the conversation regarding personal protective equipment, I thought it might be a good time to discuss and list all the PPE for silversmithing. There are a lot of potential dangers when silversmithing besides the obvious one of blowing up a tank of gas. Saw blades break, metal flies, and the dust might settle in places you don't want for personal comfort.

Eye protection - is a must, and not just eyeglass or for you cool kids, sun glasses. You need the kind of eye protection that encapsulates your eyes to not only protect from large pieces of metal that might get airborne but also you need to protect from the metal shavings/dust when you are sawing that can move around regular eyeglasses and setting in your eyes. Make sure you have something on hand to rinse eyes within your workshop or in your silversmithing box/kit. If you get something in your eye, try not to rub or you will embed the metal further in your eyes. Rinse with saline until it flushes out.

95 COE mask - for the same reason metal shavings/dust is dangerous for your eyes it is also dangerous for you lungs. I have heard people say metal shavings are too heavy to float in the air, but I have seen fine pieces of metal in the air, especially when I am cleaning up. Torching metal is always a cocktail of gases that are harmful.

Apron - metal can get caught in your cloths and transferred around your house, car, workshop, etc. An apron can be used to protect your cloths and stop metal from transferring. I especially like black because metals show up well against it.

Cotton Ball - this one might not be as obvious. Often times you will want to make sure there are not metal burs on your work. It is almost reflexive to run the metal edges along your finger to check, but I have been cut by a small sliver of metal and learned not to do that. I keep a cotton ball on hand and run it along the edge. If there is a bure, 100% of the time I have found it gets caught on the cotton ball and shows where you need to keep filing or use your bur tools.

SUNSHINE REPORT

With everything going on, we have not had a chance to meet as a group and 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 either

Tony Johnson at ynotopals@outlook.com (253) 863-9238 or
Jillian Higgins at J.Y.Higgins@gmail.com (253) 355-3146

2021 SHOW & TELL THEMES and PROGRAM NIGHT EVENTS

MEETING	DATE	SHOW & TELL THEME	PROGRAM NIGHT EVENT
January - 1st Meeting	January 8, 2021	Tiger's Eye or any field trip finds	
January - 2nd Meeting	January 22, 2021	Lace or any field trip finds	No Meeting
February - 1st Meeting	February 12, 2021	Heart shaped or any field trip finds	
February - 2nd Meeting	February 26, 2021	Red, Pink, & Purple or any field trip finds	No Meeting
March - 1st Meeting	March 12, 2021	"Sham" rocks or any field trip finds	
March - 2nd Meeting	March 26, 2021	Green or any field trip finds	Carl Carlson
April - 1st Meeting	April 9, 2021	April Fools Gold or any field trip finds	
April - 2nd Meeting	April 23, 2021	No Show & Tell	No Meeting
May - 1st Meeting	May 14, 2021	Flower rocks or any field trip finds	
May - 2nd Meeting	May 28, 2021	No Show & Tell	Auction/Potluck
June - 1st Meeting	June 11, 2021	Fancy Slabs & Fossils + any field trip finds	
June - 2nd Meeting	June 25, 2021	No Show & Tell	Tailgate Party @ Grange Parking Lot
July - 1st Meeting	July 9, 2021	Red, White, & Blue or any field trip finds	
July - 2nd Meeting	July 23, 2021	No Show & Tell	Jerry's Rock Shop
August - 1st Meeting	August 13, 2021	Carnelians + any field trip finds	
August - 2nd Meeting	Saturday August 28, 2021	No Show & Tell	Picnic & Tailgate Party at club house on Saturday
September - 1st Meeting	September 10, 2021	Crystals + any field trip finds	
September - 2nd Meeting	September 24, 2021	No Show & Tell	Jerry's Rock Shop
October - 1st Meeting	October 8, 2021	Wood + any field trip finds	
October - 2nd Meeting	October 22, 2021	No Show & Tell	Auction/Potluck
November - 1st Meeting	November 12, 2021	Thundereggs & Geodes + any field trip finds	
November - 2nd Meeting	November 26, 2021	No Show & Tell	BINGO Night
December - 1st Meeting	Saturday December 11, 2021	No Show & Tell	Holiday Banquet/Officer Installation on Saturday
December - 2nd Meeting	No Meeting	No Show & Tell	

2021 Elected Officers

Title	Name	Phone	Email
President:	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Vice President:	Jim Christian	(253)720-9502	Jimchristian_205@hotmail.com
Secretary:	Teresa Rodrick	(253)531-4062	gtrodi@comcast.net
Treasurer:	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
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2 Year Director:	Patti Dailey-Shives	(253)678-0029	pattidailey28@gmail.com
1 Year Trustee:	Glenn Rodrick	(253)531-4062	gtrodi@comcast.net
2 Year Trustee:	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com

2021 Committee Chairs

Title	Name	Phone	Email
Club house Coordinator	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Club Show Coordinator	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Field Trips Coordinator	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com
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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	Tony Johnson	(253)863-9238	ynotopals@outlook.net
Historian			



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

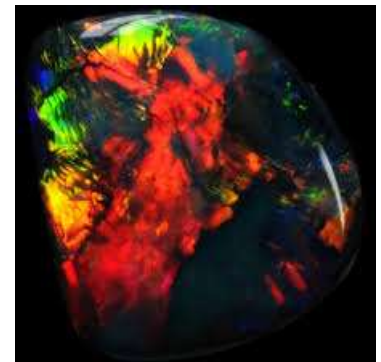
October 2021

- Brenda Guay – 1st
- Charlie Seneca – 2nd
- Ben Vrieze – 2nd
- Erin Seneca – 3rd
- Jason Wilson – 4th
- Teresa Achenbach – 4th
- Loren Gates – 6th
- Greg Collins – 6th
- Katherine Kelly – 8th
- Chu-Fen Yang – 8th
- Cohen DeJong – 9th
- Malachi Hunter – 10th
- Beth Sanderson – 10th
- Chelsey Hunter – 11th
- Virginia Patterson – 11th
- Warren Graham – 12th
- Samantha Jones – 16th
- Edith Franklin – 16th
- Emma Mordini – 16th
- Itairi Owens – 16th
- Stephen Atkinson – 18th
- Jessica Clark – 18th
- Sally Conger – 18th
- Tanner Lemon – 19th
- Liam Chase – 20th
- Jillian Higgins – 21st
- Naomi Ainge – 25th
- Hailey Brown – 25th
- Bart Strickland – 25th
- Cheryl Maves – 26th
- Yvonne Spicer – 26th
- Lillie Kist – 27th
- Patti Dailey-Shives – 28th
- Paul James – 29th
- Kevin Higgins – 30th
- Debbie Mays – 31st
- Zach Nethercot – 31st
- Sandoval – 31st

MINERAL RICHES-AMERICAN MINES

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

- | | | |
|---------------------|-----------------|-----------------|
| 1. BELLE OF ARIZONA | 11. LONE STAR | 21. ROSALIE |
| 2. CARLIN TREND | 12. LUCKY CUSS | 22. ROYAL FLUSH |
| 3. CARLOTA | 13. MONTEREY | 23. SIERRITA |
| 4. COBRA LOMA | 14. MORENCI | 24. STAR DUST |
| 5. CORTEZ | 15. ORIZABA | 25. SWEETHOME |
| 6. DARLING | 16. PAYMASTER | 26. TRAILS END |
| 7. EVENING STAR | 17. PRIVATEER | 27. VAMPIRE |
| 8. HARD TIMES | 18. QUESTA | 28. VENTURA |
| 9. KING TUT | 19. RATTLESNAKE | 29. WOLVERINE |
| 10. LEONORA | 20. ROCHELLE | 30. YANKEE GIRL |



ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

Puyallup, WA 98371