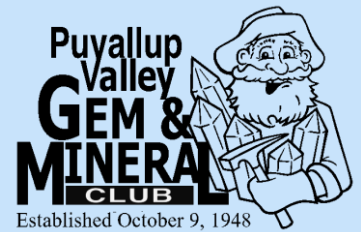


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 49

Volume 102

February

2022

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We had a really great demonstration program at the February Program night. It was really great to show off all the things this club does. Thank you to all the demonstrators for putting on a great showing and answering the questions asked. This was but a taste of everything we do, which is what makes this club such a great organization to be a part of.

We are in our "slow season", so we are going to be looking to do some yard maintenance at the club house and maybe some small repairs here and there. If you have anything you want us to attend to or suggestions for future projects, please shoot us an email to the club email address and we will start making a list.

Mostly I am just happy that we are getting back to work and that the club is getting back to normal.

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.

FEBRUARY 2022 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: **Jack Ragusa**

Favorite Quote:

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

I have never picked up a rock in the woods in my life. I purchase a lot of my materials to support others in the rockhounding community who do find the materials.

What is your favorite rock, mineral or gem? Indian Paint Rhyolite

What is your favorite thing to do with rocks, minerals or gems? Break window... I make lamps.

What are your three favorite books/podcasts?

- Works of Elbert Hubbard
- Katie did Rocks

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

Meeting the people, I get my rocks from. Each and every one of them is a story and makes me smile every time I leave after seeing them.

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

So many like minded people of similar age makes the comradery a pleasure to be around.

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

The club needs to advertise better, the club, the show, etc.

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

- I'm a 911 survivor and a Katrina survivor
- I have a very quick temper
- I like to make people happy.

What is your greatest accomplishment?

My kids, my grandbabies, and my great grandbabies.

Club House Report

Tony Johnson

Even through the scheduling process has changed, there are still openings to be had. We are up and running so if you are interested in coming to the club house to use the equipment, just shoot Jillian an email and she will get you on.

We now have a little bit of a stockpile of grit at the club house which I am hoping we will put to the good use of tumbling to have rocks to pass out at the various events. If you want to help the club out by tumbling material, let me know and I will hook you up with material and grit.

Associations Director Report – January 2022

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

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

Mineral and Fossils in Washington

(from WA DNR website)

Updated 09/01/19

Grizzly bear habitat maps from North Cascades Ecosystem Grizzly Bear Restoration Plan/Environmental Impact Statement, Washington

Discover Pass required for Washington State Lands

Updated 04/19/12

Next field trips:

02/12/22 – Anderson Creek for jade. Meet at Park & Ride on Hwy 9 south of Sedro Woolley @ 9am

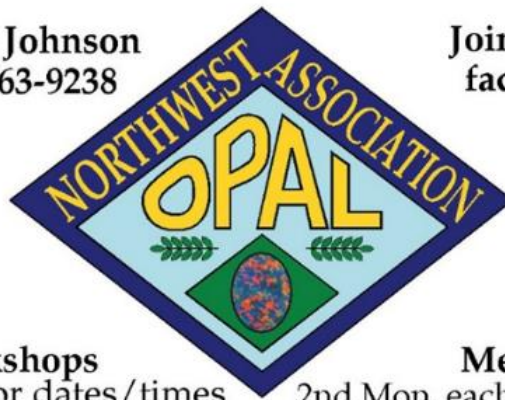
02/26/22 – Grandy Creek for jade. Forest service office, 810 SR 20, Sedro Woolley @ 9am

03/19/22 – Saddle Mt for petrified wood and opal. Lep-re-kon Grocery, 102 Brian Ave, Mattawa @ 9am-
2022 General Meetings: 4/30, 6/11 and 9/24

Patti Dailey Shives

Tony Johnson
253-863-9238

Join us on
facebook



Workshops
call for dates/times

Meetings
2nd Mon. each month

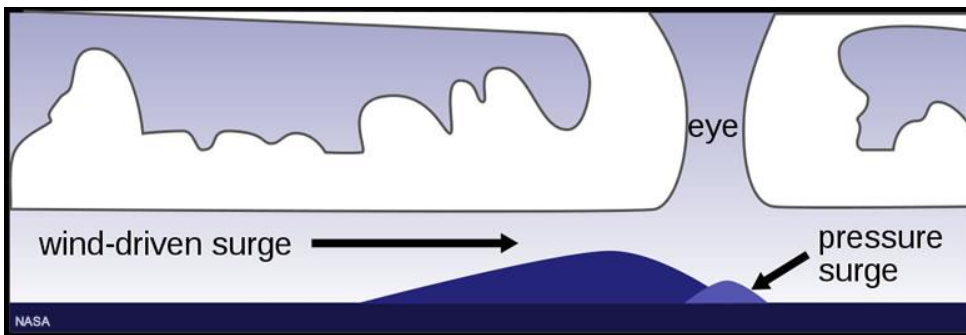
What is

a Storm

Surge?

Potentially the most damaging and deadly impact of a hurricane

Article by: [Hobart M. King](#), PhD, RPG



Storm surge: This illustration shows how hurricane winds can push a pile of water across the ocean surface in the direction that the hurricane is travelling. The extremely low pressure under the eye of the storm allows the surface of the water to rise a few feet. Image by NASA.

Hurricane Ivan (September 17, 2004): This image pair shows before and after views (arrows for reference points) of an area of Orange Beach, Alabama. A powerful storm surge washed away the two small buildings on the right side of the top photo. The large building on the left was built on a sand dune that was severely undermined, causing a collapse. This illustrates that even the upper floors of multi-story beachfront buildings might not be safe. Evacuate promptly if an order is given.

What is a Storm Surge?



A storm surge is a mound of water produced when a hurricane moves across a large body of water. Driving wind "pushes" the water so quickly that it "piles up" on the water in front of it, producing a mound of water that is higher than normal sea level.

As the storm approaches land, the storm surge can be pushed up the beach and deep into inland areas. It arrives as a rush of water and can be capped by large, strong, pounding waves. Storm surge flooding is often the most deadly and damaging impact of a hurricane.

How Dangerous are Storm Surges?

Storm surges are capable of causing total inundation of entire coastal areas. A powerful hurricane can produce a storm surge of 15 feet or more. Storm surges of 20, 30 and 40 feet have been experienced in extreme storms.

Portions of many important coastal cities and resort areas have thousands of people living on land that is less than 10 feet above sea level. Storm surges can knock down buildings, move trains off of their tracks, carry ships and docks inland, fill subways and do many other types of damage.

People who live in vulnerable areas should heed evacuation orders. If they wait for the water to arrive, escape can be impossible. This is because the surge arrives suddenly, and quickly covers a very broad area. Less than two feet of water can drown out a car. Walking through moving water is very difficult. The water can be very cold, and the wind chill will cut right through wet clothing! People who cannot escape quickly to higher ground or second stories can easily die of hypothermia in under an hour.

Hurricane Ivan (September 17, 2004): This image pair shows before and after views (arrows for reference points) of an area of Orange Beach, Alabama. Several houses were either damaged beyond repair or washed off their foundations and destroyed. If you live in vulnerable areas, respond promptly if an evacuation order is given.

Storm Surge Damage

The two sets of before-and-after photos on this page are from a storm surge produced by Hurricane Ivan's strike on Orange Beach, Alabama in 2004. Note the red arrows marking equivalent positions in the before and after images and the extensive damage that occurred.

What chance do you think a person who disobeyed evacuation orders and went to the second floor of the homes or to the upper stories of the larger buildings would have of surviving? How about someone who decided to walk out and was in the open when the rush of water arrived? That person probably tried to drive out, but downed trees and wires blocked their path or water choked their engine. Evacuate when you are ordered, to stay safe.



Storm surge is one of the deadliest aspects of an approaching hurricane. NOAA has more information about hurricanes and hurricane safety at Hurricanes.gov.

Storm Surge Forecasts

Forecasting a storm surge and its characteristics is difficult because there are so many variables. It is difficult to predict the time of arrival, and that makes it impossible to know if high tide or low tide will be contributing to the height of the surge or detracting from it. It is also difficult to know the windspeed at the time of landfall, how much water will be contributed by rainfall, the exact location of landfall and how topography will influence the movement of water. If you live in an area where an evacuation is ordered, obey that order and leave promptly.

Storm Tide

Storm surge is a surge of water produced by an approaching storm that is over and above the normally expected water level - including the astronomical tides. Storm surge is often confused with storm tide, which is a water level rise produced by the combined effect of the surge and the astronomical tide. Storm tide can produce severe flooding when storm surge occurs at the same time as a high tide.

More About Storm Surge

The National Weather Service has extensive information and research products available for anyone who wants to learn more about storm surge. You can find it on the [Storm Surge Unit website](#) or in the video on this page.

The United States Geological Survey has a [Coastal Change Hazards website](#) that has lots of information about the impact of storm surge and coastal erosion.

COMMUNITY SUPPORTERS



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www.southhillrv.com

FROM THE BENCH

Do you bulk at the cost of gallery wire or bezel tap? Want a way to make your own?

You can make amazing bezel tap using nothing more than children's craft scissors (see below) and 28g silver sheet or bezel strips. Make sure you do not use higher than 28g unless you have softened it. Even with 28g you will want to make sure it has been softened with heat.



Cut your favorite patterns by cutting as close to the hinge in your scissors as possible. If the scissors start to bind, move the metal deeper into the scissors and keep going.



Rice Museum of Rocks & Minerals

To engage, inspire, and educate generations on the splendor and complexity of our Earth.

26385 NW Groveland Dr., Hillsboro, OR 97124
503-647-2418

Info@ricenorthwestmuseum.org
www.ricenorthwestmuseum.org

H & I Lapidary

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

Mike and LaVon Siperek
(253) 531-7294
4203 E 99th Street, Tacoma, WA 98446
Yankees_Diesel@comcast.net

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

MINERAL OF THE MONTH



What is this amazingly prismatic crystal? This is euclase a type of beryllium mineral and is related to beryl. The crystalline structure of Euclase is a monoclinic crystal system, meaning it has three vectors that grow at unequal lengths, making for some very unusual and not uniform shapes. Because of it's unique structure, it tends to be very brittle and can easily chip when worked which makes working it an experience for more seasoned veterans in the lapidary arts. Its color stays mainly in the blue range, but you can also find it in clear to light green. It's name is Greek and means easily fractured, but still it is relatively hard at a 7.5 Mohs scale rating. It is mostly found in Russia, Brazil and the Austrian Alps, often in vaines that also contain Beryl and Topaz.

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

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 or the WA Mineral Council at:

HAPPY BIRTHDAY

February 2022

Lloyd Poehler – 5th
 Tyler Nichols – 7th
 Zoe Fulmer – 9th
 Ross McKnights – 10th
 Margaret Barnstein – 11th
 Emily Hochstrasser – 11th
 G Alvarado – 12th
 Timothy Perry – 15th
 Tammy Perry – 15th
 Ronald Houser – 19th
 Brett Lawrence – 21st
 Marion Killion – 23rd
 Christina Morrissey -23rd
 Jorja Blankenship – 24th



NO FISHING IN THESE LUNAR WATERS (SEAS, LAKES, OCEANS, BAYS, AND MARSHES)

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

- | | | |
|-----------------|-----------------|---------------------|
| 1. AESTUUM | 8. INGENII | 14. RORIS |
| 2. ASPERITATIS | 9. INSULARUM | 15. SMYTHII |
| 3. COGNITUM | 10. LUNICUS | 16. SPEI |
| 4. DOLORIS | 11. MEDII | 17. TEMPORIS |
| 5. FECUNDITATIS | 12. NUBIUM | 18. TRANQUILLITATIS |
| 6. HONORIS | 13. PROCELLARUM | 19. VAPORUM |
| 7. HUMORUM | | |

ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

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