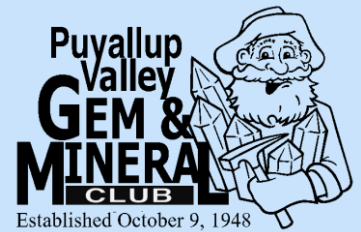


ROCK-A-TEER



Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins

Issue 18

Volume 71

July

2019

THIS ISSUE

Thank you 2019 Club Show Team P.2
Field Trip Report P.2
Club House Schedule P.3
Meet a Member, Mark Baumann P.4
Scientists Find a Way P.5
Mineral of the Month P.6
You Know You Are into Geology When... P.6
2019 Show and Tell P.7
2019 Officers and Chairs P.8
Word Search P.9
Happy Birthdays P.9

THANK YOU 2019 CLUB SHOW TEAM

JIM CHRISTIAN

Our 2019 annual Valley of Gems club show was, from what I'm told, probably the most successful club show in a very long time and from what I saw and heard during the show I certainly agree. We hosted over 35 vendors, most of whom said that they would be interested in returning for our 2020 show, and approximately 1,300 hundred visitors.

It doesn't matter if a club member volunteered to fill one, several, or many of the time slots on the volunteer sign-up list, or are one of the club members who took on the challenge of coordinating one of the areas of responsibility. Each volunteer was part of the team that worked together to make the show successful.

So, to each volunteer, as the 2019 club show coordinator and behalf of the entire membership of our club, my deepest thank you for being a part of the club show team. You are the members who made the show a success.

Field Trip Report

July 20 – Red Top

Meeting place - 10:00AM at the Mineral Springs Recreational mile marker 156 on hwy 97

Hunting for - Jasper, Agate, Fossil Shells and Crystal Plates

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

Access – Moderate climb up a steep road cut.

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

August 17 & 18 Overnight – Greenwater

This field trip is with the Washington State Mineral Council – overnight camp out & pot luck

Meeting place - 9:00AM at the Enumclaw Ranger Station for those not camping out

Hunting for - Jasper, Agate, Petrified wood, common opal

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

Access – this area is fairly easy to access

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

Please remember that even though we love to meet new people, fieldtrips are a member benefit and part of your membership dues covers you for injury liability.

Thou 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.

JULY 2019 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Monday	10:00AM-2:00PM	Members Open Access	Club House	Bill Clark
2	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed Knoll
3	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
4	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Re nera Barnes
5	Friday				
6	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Glen Ripper
7	Sunday				
8	Monday	10:00AM-2:00PM	Members Open Access	Club House	Bill Clark
		7:00PM-8:00PM	Opal Club Business Meeting	Club House	Tony Johnson
9	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed Knoll
		7:00PM	Club Board Meeting	Fruitland Grange	Nichole Davis
10	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
11	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Re nera Barnes
12	Friday	7:30PM	Club Business Meeting	Fruitland Grange	Glen Ripper
13	Saturday	10:00AM-2:00PM	Rock Painting	Club House	Megan H.
14	Sunday				
15	Monday	10:00AM-2:00PM	Members Open Access	Club House	Bill Clark
16	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed Knoll
17	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Tony Johnson
18	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Re nera Barnes
19	Friday				
20	Saturday	10:00AM-2:00PM	Red Top	Field Trip	Dennis Batchelor
		10:00AM-2:00PM	Members Open Access	Club House	Jim Christian
21	Sunday	10:00AM-2:00PM	Silversmithing	Club House	Dave Sanderson
22	Monday	10:00AM-2:00PM	Members Open Access	Club House	Bill Clark
23	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed Knoll
24	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Opal Cutting	Club House	Tony Johnson
25	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Re nera Barnes
26	Friday	7:30PM	Club Program Night	Fruitland Grange	Glen Ripper
27	Saturday	10:00AM-2:00PM	Wire Wrapping	Club House	To Be Announced
28	Sunday				
29	Monday	10:00AM-2:00PM	Members Open Access	Club House	Bill Clark
30	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Ed Knoll
31	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Weaving	Club House	Jillian Higgins

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

Jim Christian (253) 720-9502

Ed Knoll (253) 651-7453

Dennis Batchelor (360) 870-8741

Tony Johnson (253) 863-9328

Bill Clark (360) 893-6919

Dave Sanderson (253) 380-8273

Re nera Barnes rsb1224@netscape.com

Glen Ripper (253)508-7545

Jillian Higgins (253) 355-3146

This Schedule is Subject to Change. Please check the website for updates.

MEET THE MEMBERS

Name: Mark Baumann

Favorite Quote: "The day you stop learning should be the day you die." From my high school Biology teacher Mr. Engberg.

What are your skills/past experience with the rock Club or rock hounding? I am pretty good at identifying rocks and minerals and as such taught a class at one of our mini hands on programs. I enjoy helping people learn new things and strive to learn at least one new thing every day.

What is your favorite rock, mineral or gem? Fluorite

What is your favorite thing to do with rocks, minerals or gems? That is a hard question to answer. I enjoy working with all of them to fashion jewelry and I really enjoy just looking at my collection. To answer the question I would have to say actively hunting down new specimens for my collection whether it be in the field or at show.

What are your three favorite books/podcasts? Anything written by Gerald Durrell, Snakes and Snake Hunting by Karl Kauffeld and Animal Farm by George Orwell.

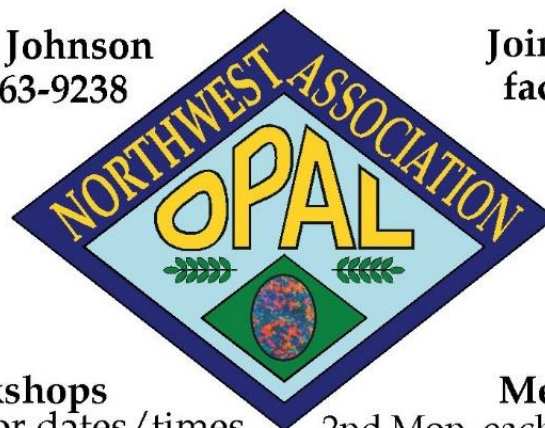
What is your favorite memory surrounding rockhounding? Going out on rockhounding trips with my parents and siblings.

In your opinion, what is the best thing about the Puyallup Valley Gem & Mineral Club? I love that it is a very active club. We have a club house where you can learn new skills and hone old ones. We also go on fieldtrips and sponsor our own show. It is a friendly group of people.

In your opinion, where/how does the club need to improve? I believe we need better program nights. While it has been better this year that hasn't always been the case. I know from experience that it can be difficult to wrangle up speakers but maybe it is time to think outside the box a bit and look for topics and speakers that are peripherally rock related.

Tony Johnson
253-863-9238

**Join us on
facebook**



Workshops
call for dates/times

Meetings
2nd Mon. each month

Scientists Find Way to Make Mineral Which Can Remove CO2 From Atmosphere

Source: A>F>M>S> Newsletter , Volume 71, Number 9 - October, 2018 <www.amfed.org>

Scientists have found a rapid way of producing Magnesite, a mineral which stores carbon dioxide. If this can be developed to an industrial scale, it opens the door to removing CO2 from the atmosphere for long - term storage. Thus countering the global warming effect of atmospheric CO2. This work was presented at Goldschmidt conference in Boston.

Scientists are already working to slow global warming by removing carbon dioxide from the atmosphere, but there are serious practical and economic limits on developing the technology. Now, for the first time, researchers have explained how Magnesite forms at low temperature, and offered a route to dramatically accelerating its crystallization. A tonne of naturally - occurring magnesite can remove around half a tonne CO2 from the atmosphere, but the rate of formation is very slow.

Project leader, Professor Ian Power (Trent University, Ontario, Canada) said: “Our work shows two things Firstly, we have explained how and how fast magnetite forms naturally. This is a process which takes hundreds to thousands of years in nature at Earth’s surface. The second thing we have done is to demonstrate a pathway which speeds this process up dramatically”

The researchers were able to show that by using polystyrene microspheres as a catalyst, magnesite would form within 72 days. The microspheres themselves are unchanged by the process, so they can ideally be reused.

Magnesite is a magnesium carbonate mineral with Chemical composition of $MgCO_3$, It is named after presence of magnesium in it’s composition. Magnesite usually forms during alteration of magnesium rich rock or carbonate rocks by metamorphism or chemical weathering.



MINERAL OF THE MONTH

Can you guess what the mineral to the left is?

If you said Rhodochrosite, you are correct. Rhodochrosite is a lovely mineral that ranges in color from very light pink to a bright red. The reason for this unique range of color is because the base elements for this unique mineral is a manganese carbonate mixture. It can range from an cloudy consistency to a very translucent gemmy quality (which is very desirable). One unique feature of Rhodochrosite is that it has a three dimensional cleavage patten, but because of this, the formation of a completely formed Rhodochrosite crystal is extremely rare.



Rhodochrosite forms from ascending hydrothermal solutions, settling in fractures or cavities in metamorphic rocks. Repeated crystallization occurrences cause the layering of slightly different colored materials, giving Rhodochrosite a distinctive look, but as we can see with the image above, it can look very different based on how it grows. Argentina is known for its particularly excellent samples of Rhodochrosite that form in a unique way. The solution that forms the Rhodochrosite is supplied by dissolved materials that form stalactites and stalagmites in the metamorphic rock cavities.

H & L Lapidary

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

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

You Know You Are Into All things Geology When...

4. You were given a set of nice Thai rubies by your parents, and later some sizable alexandrite, only to have your hopes and the dollar signs in your eyes and brain deflated when finding out they were, well, the subject of point number one above.
5. You need to remind yourself that newbies to the lapidary and mineral collecting hobbies don't have command of the vocabulary that you have.
6. You carry around a particular you found on one of your rockhound field trips free in the wilds only to be your personal pet. (Anyone remember pet rocks?)

2019 SHOW & TELL THEMES and PROGRAM NIGHT EVENTS

MEETING	DATE	SHOW & TELL THEME	PROGRAM NIGHT EVENT
January – 1 st Meeting	January 11, 2019	Fortification Agates + any field trip finds	
January – 2 nd Meeting	January 25, 2019	Thundereggs, Geodes, & Nodules + any field trip finds	Field Trip Preparedness Tony Johnson
February – 1 st Meeting	February 8, 2019	Heart-Shaped & Red Material + any field trip finds	
February – 2 nd Meeting	February 22, 2019	Pink and Lace + any field trip finds	Carlson Jewelry Store, Carl Carlson
March – 1 st Meeting	March 8, 2019	Green Minerals + any field trip finds	
March – 2 nd Meeting	March 22, 2019	No Show & Tell	Outlaws Metal Detecting
April – 1 st Meeting	April 12, 2019	Creaks & River Materials + any field trip finds	
April – 2 nd Meeting	April 26, 2019	No Show & Tell	Auction/Potluck
May – 1 st Meeting	May 10, 2019	Rocks only a Mother Could Love + any field trip finds	
May – 2 nd Meeting	May 24, 2019	Fossils, Meteorites, & Pocket Rocks + any field trip finds	Jerry's Rock & Gem Shop
June – 1 st Meeting	June 14, 2019	Club Show Purchases + any field trip finds	
June – 2 nd Meeting	June 28, 2019	Petrified Wood + any field trip finds	Mini Mineral Demonstration
July – 1 st Meeting	July 12, 2019	Crystals & Silversmithing + any field trip finds	
July – 2 nd Meeting	July 26, 2019	No Show & Tell	Tailgate Party @ Grange Parking Lot
August – 1 st Meeting	August 9, 2019	Fair Entries and Wire Wrapped Items + any field trip finds	
August – 2 nd Meeting	August 24, 2019	No Show & Tell	Picnic & Tailgate Party at club house on Saturday
September-1 st Meeting	September 13, 2019	Polished Slabs + Field Trip Finds	
September-2 nd Meeting	September 27, 2019	No Show & Tell	Mini Lapidary Demonstrations
October-1 st Meeting	October 11, 2019	Obsidian & Opals + any field trip finds	
October-2 nd Meeting	October 25, 2019	No Show & Tell	Auction/Potluck
November-1 st Meeting	November 8, 2019	Fall Colors & Faceted Stones + any field trip finds	
November-2 nd Meeting	November 22, 2019	No Show & Tell	BINGO Night
December – 1 st Meeting	December 14, 2019	No Show & Tell	Holiday Banquet/Officer Installation on Saturday
December – 2 nd Meeting	No Meeting	No Show & Tell	

2019 Elected Officers

Title	Name	Phone	Email
President:	Glen Ripper	(253)508-7545	glen311944@yahoo.com
Vice President:	Nichole Davis	(253)466-7090	ayckb0urn@yahoo.com
Secretary:	Teresa Rodrick	(253)531-4062	gtrodi@comcast.net
Treasurer:	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Federation Director:	Bill Clark	(360)893-6919	clarkwa@comcast.net
1 Year Director:	Paul Giese	(253)219-6168	steelhdfsh@yahoo.com
2 Year Director:	Jim Christian	(253)720-9502	Jimchristian_205@hotmail.com
1 Year Trustee:	Glenn Rodrick	(253)531-4062	gtrodi@comcast.net
2 Year Trustee:	Tony Johnson	(253)863-9238	

2019 Committee Chairs

Title	Name	Phone	Email
Club House Coordinator	Jim Christian	(253)720-9502	Jimchristian_205@hotmail.com
Club Show Coordinator	Jim Christian	(253)720-9502	Jimchristian_205@hotmail.com
Field Trips Coordinator	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com
Web Master	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Editor	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Membership	Larry Hoffman	(253)922-9182	lhoffman1@comcast.net
Sunshine			
Newsletter	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Mineral Council	Tony Johnson	(253)863-9238	

The Puyallup Valley Gem & Mineral
 Club is a member of the Northwest
 Federation of Mineralogical Societies
 and affiliated with the American
 Federation of Mineralogical Societies.
www.amfed.org/nfms



ELEMENTS OF MINERALS II

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

Do you or someone you know have a collection of rocks and/or equipment and you don't know what to do with it??? Puyallup Valley Gem and Mineral Club can help. Contact Tony Johnson (253) 863-9238 or Glen Ripper (253) 508-7545 for information or advice.

- | | | |
|---------------|----------------|-------------------|
| 1. ALUMINIUM | 10. HAFNIUM | 19. RHODIUM |
| 2. ARSENIC | 11. IRIDIUM | 20. RUTHERFORDIUM |
| 3. BERYLLIUM | 12. LAWRENCIUM | 21. SELENIUM |
| 4. BROMINE | 13. MAGNESIUM | 22. STRONTIUM |
| 5. CERIUM | 14. NEODYMIUM | 23. TELLURIUM |
| 6. DUBNIUM | 15. NITROGEN | 24. TUNGSTEN |
| 7. EUROPIUM | 16. OXYGEN | 25. YTTRIUM |
| 8. FERMIUM | 17. PLUTONIUM | 26. YTTERBIUM |
| 9. GADOLINIUM | 18. PROMETHIUM | 27. ZIRCONIUM |

HAPPY BIRTHDAY

July 2019

Larry Clampitt – 1 st	Philip Dennis – 6 th	Debbi Overman – 11 th	Evan Tartaglio – 19 th
Kathy Clark -- 1 st	Peter Subitch – 6 th	Lois Knoll – 12 th	Jane Jewell – 22 nd
Hannah Garrison – 2 nd	Liam Latch – 7 th	Dave Sanderson – 12 th	Ralph Davis – 24 th
Elise Keller – 3 rd	Gary Burgess – 7 th	Alan Garrison – 13 th	Luke Knutson – 25 th
Mary Vance – 4 th	Sadie Williams – 8 th	Sandy Hoffman – 13 th	Jeanine Crijns – 30 th
Paul Puskar – 4 th	Rico Clark – 9 th	Allen Yanity – 13 th	Vicki Phillips – 31 st
Chloe James – 5 th	Lillith Higgins – 9 th	Jeremy Shilley – 16 th	
Jessie James – 5 th	Katie White – 9 th	Cathy Walters – 16 th	
Jammie Johnson – 5 th	Liz Chick – 11 th	Tristian Whelan – 19 th	

ROCK-A-TEER

Newsletter of Puyallup Valley Gem & Mineral Club

P.O. Box 134

Puyallup, WA 98371

<http://puyallupvalleygemandmineralclub.com>