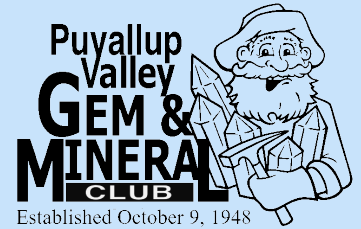


ROCK-A-TEER

Newsletter of the Puyallup Valley Gem & Mineral Club

Jillian Higgins



Issue **101**

Volume **151**

May

2026

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The first auction of the year was a big success. Thank you to Mark and Dennis for the great show they put on. Thank you to everyone who donated items. And a big thank you to everyone who brought in food. The funds generated will be going to the scholarship fund and hopefully we will be distributing those funds soon.

The rock sorting on Saturday went really well because we had so many volunteers show up to help. This just goes to show what we know and say often, that many hands make light work. We got all the sorting done that we wanted to in about an hour, which was amazing. Thank you to everyone who came and helped out with the sorting and cleanup. Everyone who attended got a free rock, so hopefully the payoff was worth the time spent together playing with rocks.

Field Trip Report

May 16th – Skycomish River

Meeting place – 10:00 at Windmill Espresso 31721 US-2. Sultan, WA 98294

Hunting for – Jade, Serpentine, & Jasper

Tools you need – Rock hammer, shovel, hammer, hip waders, rubber boots for in the river and a backpack/bucket for your treasures

Access – Easy access, limited parking

Additional items – **Discover pass required** lunch/snacks and water, water, water. Dress in layers.

June 20th – Red Top

Meeting place – 10:00am at Mineral Springs Recreational mile marker 156 on hwy 97

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

Tools you need - Rock hammer, shovel, pry bar, 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

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 joining the club by having Membership applications available.

MAY 2026 CLUB HOUSE SCHEDULE

DATE	DAY	TIME	ACTIVITY	LOCATION	INSTRUCTOR
1	Friday				
2	Saturday	10:00AM-2:00PM	Members Open Access	Club House	Wes Ames
3	Sunday				
4	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
5	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Wes Ames
6	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
7	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
8	Friday	6:00PM	Club Board Meeting	Fruitland Grange	Dennis Batchelor
		7:30PM	Club Business Meeting	Fruitland Grange	Glenn Rodrick
9	Saturday	10:00AM-2:00PM	Gem Trees	Club House	Dana James
10	Sunday				
11	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
		7:00PM-8:00PM	Opal Club Business Meet.	Club House	Tony Johnson
12	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Wes Ames
13	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
		4:00PM-8:00PM	Wire Wrapping	Club House	Diane Stangland
14	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
15	Friday				
16	Saturday	See Fieldtrip Report	Skycomish River	Field Trip	Paul Haak
		10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
17	Sunday				
18	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
19	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Wes Ames
20	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
21	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Tony Johnson
22	Friday	7:30PM	Club Program Night	Fruitland Grange	Glenn Rodrick
23	Saturday	10:00AM-2:00PM	Second Lesson Box Making	Club House	Brett Lawrence
24	Sunday				
25	Monday	10:00AM-2:00PM	Members Open Access	Club House	Tasha Parker
26	Tuesday	4:00PM-8:00PM	Members Open Access	Club House	Wes Ames
27	Wednesday	10:00AM-2:00PM	Members Open Access	Club House	Dennis Batchelor
28	Thursday	4:00PM-8:00PM	Members Open Access	Club House	Renera Barnes
29	Friday				
31	Saturday				

For questions about a specific class or event, contact PVGAMC@gmail.com

Dennis Batchelor (360) 870-8741	Wes Ames (253) 376-7871	Tasha Parker (206) 291-8068
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Renera Barnes rsb1224@netscape.com	Paul Haak (253) 312-1743	Ed Knoll (253) 651-7453
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*** **Membership Open Access** is the time when members can use the saws and cabbing machines

REMEMBER TO BRING YOUR OWN TOWELS

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

Associations Director Report

Hello to all my fellow rockhounds and pepplepups.

Spring has fully enveloped us with mild and dry weather which bodes well for future field trips. I do beseech everyone to make sure that you are fully aware of the rules and regulations concerning rockhounding in the areas you are collecting.

I attended the Washington State Mineral Council meeting on Tuesday March 21. We had to push back electing a new board due to not having enough people stepping up and run for office. We have the president, vice-president, secretary and treasurer positions pretty much filled and are in search of people to become trustees. If you are interested, please reach out and let's know.

The next WSMC will be on Tuesday, May 19 at the Maplewood Rock and Gem Club's clubhouse. The meeting starts at 7 pm and can be attended by anyone who belongs to any a member club. You can attend the meeting either in person or through Zoom. There is nothing to report on the federal or state levels.

Respectfully submitted by,
Mark Baumann
PVG&MC Associations Director

Clubhouse report

Wes Ames

Reminder that May 3rd is the monthly clubhouse cleanup. Please attend if you are able and if you use the clubhouse. There will be an email that goes out with details about what we will be doing during the cleaning.

We are returning to our previous policy of bringing your own towels to the clubhouse. The ones that are there will start to phase out over the next couple of months, so if you find you need one to handle any overspray, please remember to start to bring yours.

Volunteer Spotlight -

This is a new segment of the newsletter to help the membership see where there are opportunities to volunteer.

Club Show Volunteers;

Friday, June 5th 12:00pm - 2:30pm - Kids Area

Saturday, June 6th 2:30pm - 5:00pm - Kids Area

Sunday, June 7th 12:15pm - 3:00pm - Kids Area

Please contact Jillian Higgins at PVGAMC@gmail.com if you can fill any of these volunteer spots.

Field Trip Planning Committee - please see email sent April 28, 2026 by Paul Haak

CLUB SHOW UPDATE

Our annual club show is kicking off the first weekend in June. The dates and times are June 5th from 12:00 – 5:00, June 6th from 10:00 – 5:00 and June 7th from 10:00 to 3:00.

So far, we have had an overwhelmingly positive vendor turnout with 49 vendors, both inside and outside agreeing to attend. There are multiple new vendors who are excited to see what our show is like as they have heard many great things.

We are back to full show with Kids area, outside sales, raffle, inside sales and silent auction, demonstrators, kitchen, Geode cracking, and hourly giveaways. We have several opportunities for volunteering still available, so if you are interested, please contact the club at PVGAMC@gmail.com to see if the times work for you. Thank you to everyone who has signed up for a spot or ten. It really makes a huge difference.

If you would like any of your clubhouse hands on items (intarsia, cabochons, wire wrapping, gem trees, fire agates, Viking knit, wire weaving, etc.) featured in our display box at the show, please bring them to Swiss park starting Thursday morning and we will get them labeled and set on display. We are also looking for field trip finds, opals, and Ellensburg Blues. We will accept and add items to the display the whole weekend but you might not get a label after Thursday.

If you can stick around after the show closes on Sunday, we could use all the help loading everything back up. Take down usually is faster than setup, but as we all know, the more help we get the faster it goes for everyone. Many hands make light work is the slogan for this show!!!

Field Trip Recap

The Saddle Mt field trip on April 18th was greeted with perfect weather and was a great success. We had about 9 cars loaded up with people eager to try their hand at digging for petrified wood, many for the first time. We started at the usual digging site where we found another club there, but there is plenty of room for all and it was good meeting new folks. After a few hours most people were able to find some very nice specimens and then we moved onto visiting other collecting sites. We then left the mountain and stopped on the way back for some common opal. Looking forward to seeing everyone on the next field trip.

Paul



Paul Haak



Collector's Corner

MINERAL COLLECTING

SAFETY FIRST AND LAST

The first and last concerns should always be about safety. You need to follow all the safety procedures that you would on a hike in the woods (i.e. informing someone about where you are going and when you will return, taking along adequate water, food, and first aid supplies). If you are going to be going someplace where breaking up rocks is required you should get a proper hammer (either a geological pick or a brick masons hammer). Then be sure to get eye protection. Chips broken off of rocks can fly from the rock at high speed and can hurt. Mines and quarries are often dangerous places with open shafts, tunnels, loose rocks on high walls, and machinery. DON'T go underground, you need experience and the proper equipment to do it safely. Also make sure you have permission to be on private land. The owners can tell you about specific hazards in the area. It is also a good idea to check with the proper Federal Agency if you are going to collect on public lands.

WHERE CAN I COLLECT?

The next big decision is where can you go to collect. The best source for this information is often the members of a local gem and mineral society. You can find a list of these societies at [Bob's Rock Shop](#) web site. The larger of these clubs have junior sections for younger members and often sponsor field trips. They can get the group into sites that are closed to individual collectors.

It can also be instructive to attend a local show put on by these groups ([Bob's Rock Shop](#) - [Lapidary Journal](#)). These shows will have displays of rocks, minerals, and fossils: dealers selling specimens; and often an identification booth run by club members.

A visit to a local rock shop may be helpful. Some carry printed guidebooks for localities in a region. They may also have examples of local rocks and minerals. Guidebook locations have probably been visited by numerous people and localities can be collected out.

Additional information can be found from the [State Geological Surveys](#) or the [United States Geological Survey](#). In the more mineralogically rich areas, state surveys have often published state mineralogies. Some states have also published pamphlets for amateur collectors or included information on their web sites. You can also get in touch with people on the staff. Your tax dollars pay for them and they also usually keep track of public inquiries to help them with the legislatures during budget times.

Rock and Gem magazine publishes a fair number of field trip articles (see [Bob's Rock Shop](#) site). When you get further advanced in the hobby there are additional magazines such as [Rocks & Minerals](#),

the [Mineralogical Record](#), [Mineral News](#), and [Matrix a journal of the history of minerals](#); which also publish locality articles.

You might want to consider a site that charges a fee for collecting. They often will bulldoze an area so it can be more productive. Some states have state parks which are set up for collecting ([Rockhound State Park](#) in New Mexico and [Crater of Diamonds](#) in Arkansas). Most federal [Forest Service](#) and [Bureau of Land Management](#) lands are open to collecting (except for areas under active mining claims, National Parks and Monuments, and wilderness areas [archeological artifacts and fossil vertebrates are also not to be collected]). You should contact the local offices to see what rules are in effect and they may also be able to point you to good collecting areas.

The best places to look for minerals are where there has been recent activity to create fresh exposures of rocks. This can include construction sites, new roads (including newly graveled areas), quarries, and mines. A good state atlas or computer based map program will often show where the quarries and mines are located.

WHAT DO I LOOK FOR IN THE FIELD?

What to look for really depends upon the locality and what is there. This is the reason it is helpful if you can go on an organized field trip and ask questions of more experienced collectors. A couple of rules of thumb is to look for the odd rock that doesn't look like the vast majority of stuff in the neighborhood. If there are holes in the rock, these are places to look for crystals (lots of shiny little flat faces of crystals). Metallic looking minerals are often things such as pyrite or galena.

Once you have found a specimen, it should be packed so that it is not ruined bringing it home. Newspapers or toilet paper make good packing materials. The specimens can be placed in paper bags and placed in shallow boxes (the infamous beer flats). If you visit more than one locality on a trip, be sure to record the locality information and keep it with the specimens. Egg cartons can be handy containers for small specimens in the field or for your collection at home. Be judicious in trimming rocks down, you can have greater control at home.

Once you get the specimens home, they should be labeled with the locality information. This is usually the only thing you can't tell later about a specimen. Lack of locality will often completely destroy any scientific value of a specimen and will destroy it's commercial value.

Have fun, that's what it's about.

MINERAL OF THE MONTH

This georgous mineral is a titanium dioxide metastable mineral. What does that mean? It means that these crystals form and are stable at all pressures and temperatures, but that these are usually just the starting point for something else to form, like rutile or brookite. The color of the stone depends on the growth of the crystal, the double pyramid growth producing the indigo to black with a steely luster (the most common, see pg 12), or the numerous pyramidal faced type that make a honey to brown color. The one picured here has both types. These crystals will often form inside another material like quarts and some agates and can be found all over the world. Oh yeah...This is Anatase!



FROM THE BENCH

What is a girdle and why is it necessary? Aside from being a part of woman's fashion for a couple hundred years (thank goodness that's over), a girdle is the widest part of a stone circumference. It separates the pavilion from the crown in faceted stones, and designates the boundary of the dome in a cabochoned stone.

We need girdles on stones so that we have a surface to hold onto the stone with. It doesn't matter if you are wire wrapping, silversmithing, using prongs, or a weave, you need a surface for your metal or clay to hold on to. It also helps to set a clear boundary for the top of your stone. Have you every tried to set a stone with a rounded edge? It is hard to make the setting uniform, which most humans find aesthetically pleasing. To cover a rounded edge, you would have to make your setting larger to hold your stone in place and this covers more of the stones surface. It can be done, but save yourself the trouble and time buy always having a girdle! What??? You know what I mean.

COMMUNITY SUPPORTERS

	<p>South Hill RV Sales</p> <p>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>12414 Meridian East, Puyallup 98373 253-435-7751 or 866-435-7751 www.southhillrv.com</p>
<p>H & I Lapidary</p>	<p>Amber, Jewelry, Beads, Findings, Gemstones, Slabs, Rough Material, Fossils, and Aussie items.</p> <p>Mike and LaVon Siperek (253) 531-7294 4203 E 99th Street, Tacoma, WA 98446 Yankees_Diesel@comcast.net</p>
<p>Jerry's Rock & Gem</p>	<p>Rocks, Minerals, Fossils, Equipment, Beading Supplies, Gemstones, Jewelry and Jewelry Repair</p> <p>(253) 852-0539 804 West Valley Hwy, Kent, WA 98032 http://jerrysrockandgem.com/</p>

Local Area Shows for 2026

DATE & TIME	CLUB	SHOW	LOCATION
April 2026 24th 10am - 4pm 25th 10am - 5pm 26th 10am—4pm	Yakima Rock & Mineral Club	64th Parade of Gems Adults—\$6 Students—\$2.00 12 & under free	Central Washington State Fair Ground Modern Living Building 1301 South Fair Avenue Yakima ,WA 98901
April 2026 25th 10am - 5pm 26th 10am - 5pm	West Seattle Rock Club	58th Annual Rock Show	Alki Masonic Temple 4736 40th Ave. SW. Seattle, WA
April 2026 25th 10am - 5pm 26th 10am - 4pm	Grays Harbor Geology and Gem Society	56th Annual Earth Treasures Rock and Gem Show	Grays Harbor Fair Grounds 43 Elma-McCleary Road Elma, WA
May 2026 2nd 10am—5pm 3rd 10am—5pm	Everett Rock and Gem Club	71st Annual show	Evergreen State Fairgrounds 18359 Cascade View Drive Monroe, WA.
May 2026 9th 10am - 6pm 10th 10am - 4pm	Hatrockhounds Gem & Mineral Society	Natures Treasures Underfoot	Eastern Oregon Trade & Event Center 1705 East Airport Road Hermiston OR
May 2026 9th 10am - 6pm 10th 10am - 4pm	Bozeman Gem & Mineral Club	Annual Rock Show \$3 adults, 10 & under free w/adult	Gallatin County Fair Grounds 901 N. Black, Bldg. #1 Bozeman, MT
May 2026 16th 9am—5pm 17th 10am—4pm	Butte Mineral and Gem Club	Annual Show \$3 adults, 12 & under free w/ Adult	Butte Civic Center Annex 1340 Harrison Avenue Butte MT
May 2026 23rd 9am - 6pm 24th 10am - 4pm	Clackamette Mineral & Gem Club	61st Annual Show	Clackamas County Fairgrounds 694 NE 4th Ave Canby, OR
May 2026 30th 10am - 5pm	Special Vendor organized event @ Maplewood Rock and Gem Club		Maplewood Clubhouse 8802 196th St SW Edmonds, WA
June 2026 17 through 21st Thurs—Sat 9am—5pm Sun 9am—3pm	Prineville Rockhound Pow Wow	Annual Jewelry, Gem, and Mineral Show \$10 field trips/person	Crook County Fairgrounds 120 S. Main St. Prineville, OR
June 2026 19th 10am—5pm 20th 9am—5pm 21st 10am—4pm	Lower Umpqua Gem & Lapidary Society	Annual Rock and Gem Show	Reedsport Community Building 451 Winchester Avenue Reedsport OR
July 2026 24th 9am—6pm 25th 9am—6pm 26th 9am—5pm	Washington Agate and Mineral Society	2026 Rock & Gem Rendezvous	Tenino City Park 300 Park Ave W Tenino WA
August 2026 15th 9am—4pm	Shelton Rock and Mineral Society	16th Annual Tailgate Rock Sale and Swap Meet Tailgate spots \$40	MCRA 2100 E Johns Prairie Rd Shelton, WA
September 2026 19th 10am – 5pm 20th 10am – 4pm	Southern Washington Mineralogical Society	60th Annual show	Cowlitz Co. Fairgrounds Events Center 1900 7th Ave Longview, WA
September 2026 19th 10am – 4pm 20th 10am – 4pm	Fraser Valley Rock and Gem Club	Annual show	Aldergrove Kinsmen Community Center 26770 29th Ave Aldergrove, BC

2026 SHOW & TELL THEMES and PROGRAM NIGHT EVENTS

MEETING	DATE	SHOW & TELL THEME	PROGRAM NIGHT EVENT
January - 1st Meeting	January 9, 2026	Tiger's Eye or any field trip finds	
January - 2nd Meeting	January 23, 2026	Lace or any field trip finds	Field Trip Finds
February - 1st Meeting	February 13, 2026	Heart shaped or any field trip finds	
February - 2nd Meeting	February 27, 2026	No Show & Tell	Carl Carlson
March - 1st Meeting	March 13, 2026	"Sham" rocks or any field trip finds	
March - 2nd Meeting	March 27, 2026	No Show & Tell	Jerry's Rock Shop
April - 1st Meeting	April 10, 2026	April Fools Gold or any field trip finds	
April - 2nd Meeting	April 24, 2026	No Show & Tell	Auction/Potluck
May - 1st Meeting	May 8, 2026	Flower rocks or any field trip finds	
May - 2nd Meeting	May 22, 2026	No Show & Tell	Chris Herrera
June - 1st Meeting	June 12, 2026	Fancy Slabs & Fossils + any field trip finds	
June - 2nd Meeting	June 26, 2026	No Show & Tell	Tailgate Party @ Grange Parking Lot
July - 1st Meeting	July 10, 2026	Red, White, & Blue or any field trip finds	
July - 2nd Meeting	July 24, 2026	No Show & Tell	Jerry's Rock Shop
August - 1st Meeting	August 14, 2026	Carnelians + any field trip finds	
August - 2nd Meeting	Saturday, August 29, 2026	No Show & Tell	Picnic & Tailgate Party at club house on Saturday
September - 1st Meeting	September 11, 2026	Crystals + any field trip finds	
September - 2nd Meeting	September 25, 2026	No Show & Tell	Mini Demonstration
October - 1st Meeting	October 9, 2026	Wood + any field trip finds	
October - 2nd Meeting	October 23, 2026	No Show & Tell	Auction/Potluck
November - 1st Meeting	November 13, 2026	Thundereggs & Geodes + any field trip finds	
November - 2nd Meeting	November 27, 2026	No Show & Tell	BINGO Night
December - 1st Meeting	Saturday, December 12, 2026	No Show & Tell	Holiday Banquet/Officer Installation on Saturday
December - 2nd Meeting	No Meeting	No Show & Tell	

2026 Elected Officers

Title	Name	Phone	Email
President:	Glenn Rodrick	(253)531-4062	glennrodi10@gmail.com
Vice President:	Dennis Batchelor	(360)870-8741	hobbyhorse51@gmail.com
Secretary:	Mary New	(253)307-1389	marynew59@yahoo.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:	Richard Yang	(208)596-8340	ryang0711@gmail.com
2 Year Director:	Brett Lawrence	(253) 584-1319	bandslawrence@comcast.net
1 Year Trustee:	Paul Haak	(253)312-1743	pvhaak@gmail.com
2 Year Trustee:	Wes Ames	(253)376-7871	ameswa@msn.com

2026 Committee Chairs

Title	Name	Phone	Email
Clubhouse Coordinator	Wes Ames	(253)376-7871	ameswa@msn.com
Club Show Coordinator	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Field Trips Coordinator	Paul Haak	(253)312-1743	pvhaak@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	Glenn Rodrick	(253)531-4062	glennrodi10@gmail.com
Newsletter	Jillian Higgins	(253)355-3146	J.Y.Higgins@gmail.com
Outreach Coordinator	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: mineralcouncil@zoho.com

HAPPY BIRTHDAY

May 2026

Tamara Grunenfelder – 1st
 Bill Richard – 1st
 Andrea Mittleider – 2nd
 Denyl Bledsoe – 6th
 Diane Newton – 6th
 Deborah Orth – 7th
 Kathleen Stevenson – 7th
 Bucoda Warren – 7th
 Sarah McClusky – 8th
 Vess Velikov – 9th
 Stephen Cooper – 10th
 Ella Ming – 10th
 Jeremy Morita – 10th
 Marvin Thompson – 10th
 Wesley Ames – 11th
 Sherry Lawrence – 12th
 Janna Herrera – 13th
 Teri McCormack – 13th
 Amber Waagan – 13th
 Christian Stewart – 14th
 Julia Post – 15th
 Penny Post – 15th
 Teresa Weinrich – 15th
 Christine Eberlein – 16th
 Steve Gary – 16th
 Justin Kalm – 17th
 Nate Karnes – 17th
 David Orth – 17th
 Julieta Genson – 18th
 Mary Drutis-Porter – 18th
 Sharon McCall – 18th
 Mike Siperek – 18th
 Allen Richardson – 19th
 Kaitlin Hochstrasser – 21st
 Violet Ryan-Walker – 22nd
 Payten Baker – 23rd
 Candy Gallagher – 23rd
 Calum Farley – 24th
 Sonara Hauser – 26th
 Isaac Woods – 27th
 Michele Forsythe – 28th
 Greg Meserve – 28th
 Maci Brock – 29th
 Kerry O'Connor – 29th
 Robin Bowlby – 30th
 Jerry Rheault – 30th

Chattray Chea – 31st
 Evonne Ryken – 31st



A PASSION FOR RED

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

- | | | |
|----------------|----------------------|----------------|
| 1. ANDESINE | 12. GARNET | 23. RUBY |
| 2. AGATE | 13. KAEMMERERITE | 24. RUTILE |
| 3. BIXBITE | 14. MANGANOTANTALITE | 25. SPHALERITE |
| 4. CARNELIAN | 15. OPAL | 26. SPINEL |
| 5. CINNABAR | 16. PARISITE | 27. TANTALITE |
| 6. CLINOHUMITE | 17. PYROPE | 28. TOPAZ |
| 7. CROCOITE | 18. PYROXMANGITE | 29. TUPGTUPITE |
| 8. CUPRITE | 19. RHODOCHROSITE | 30. UMBALITE |
| 9. DESCLOIZITE | 20. RHODOLITE | 31. VANADINITE |
| 10. FIRE AGATE | 21. RHODONITE | 32. ZINCITE |
| 11. FRIEDELITE | 22. RUBELLITE | |

ROCK-A-TEER

Newsletter of Puyallup Valley

Gem & Mineral Club

P.O. Box 134

Puyallup, WA 98371