

Place: Arden
Community Club
Hall Rd
Arden, WA



Time 7:00 PM
Third Tuesday
April - November
6:00 PM December -
March

The Panorama Prospector

May 2016

Panoram Gem and Mineral Club Minutes 4/19/2016

Debora Danielson

Club President Bruce Hurley announced the meeting had come to order with a clang of his gavel. We have returned to the 7pm meeting hour now.

The new & improved refreshment list calls for people whose last name begins with "L" and "M" to bring food or drink to the May 17th meeting. Deborah Danielson requests that people who are scheduled to bring items to our meetings each month, call her at 738-9260 so she'll know whether you are bringing food items or drink, then she can plan accordingly.

Old Business : Johnie Pitman gave the expense and profit report for the rock show in March. Bruce and Bob Bristow once again thanked everyone who helped at that show, and we all gave a round of applause showing our gratitude. Since Scot Jackson was not at the March meeting to receive his plaque from the American Federation of Mineralogical Society - Bruce called Scot up front to personally bestow this honor upon him - what a great way to recognize Scot's contribution to the club.

Welcome to new members Jim & Betty Peters & June Robbins who was visiting and plans on joining soon. Another newcomer was Jim Retzer. He shared some info about campsites near the Arizona caverns of which our video of the night was about. The video, Jewel in the Desert was about the Kartchner Caverns and the importance of sustaining our natural wonders.

New Business : It was discussed, then voted on, to have Bruce check into club membership with The Stonerose Interpretive Center in Republic. A postcard will be sent out with what Bruce found out and pertinent information regarding that field trip, so be looking for that. *continued page*

2016 Post-Fire Update Cleveland Mine

by Anne Ott



Yes, the black color in the photo is real – the burned area near Springdale-Hunter's Road reached the south edge of the Cleveland Mine property along Cleveland Mine Road in Stevens County. Luckily for rockhounds, though, there are still several tailings piles accessible before you reach the private land!

Road access to the Cleveland Mine is still rather rough, due to the flooding, plus damage from firefighting efforts and logging. The area is now marked as a Timber Sale area, so there is more traffic and private logging near the mine. With recent rains, it's also muddy, so you might want to park your family vehicle and walk to the mine if you visit! The Cleveland Mine is at the head of Hunters Creek watershed, and it began operation in 1917, producing silver, lead, copper, gold, antimony, and zinc. In 1970, the mine caved in, and the mill was demolished in 1973. Rockhounds visiting the area need to be aware that mining

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Bruce mentioned that for those going to the Republic site, to bring a chisel & hammer, protective eyewear, water and something to pack your treasures home in. He said it is hard rock to chip away at, but if you're lucky, you can turn over a discarded piece and sometimes find a fossil. Joe Barreca shared that he & his wife had vacationed in Fossil, Oregon and he found their system of storing, saving and sharing was sorely lacking compared to the Stonerose center.

In regards to our name badges, it was discussed that name tags could have a sticker added to them with information about whether the member had paid their club dues for that year. That was deemed easier than reprinting all the badges.

Updates of membership are needed. We will have a sheet for everyone to check their addresses to make sure it is current on our files, along with a phone number or two if you use your cell phone more than a land line. E-mail addresses would be greatly appreciated as a more efficient means of communication when there are changes made for field trips or their meeting times. If all your information is current, a simple check mark is all that is asked.

end

activity has continued at the site, and it is primarily through excavators and bulldozers working to surface mine over the existing underground mine – thus, walking in a bulldozer cut is unsafe! I verified this with reports from several sources – due to many underground shafts and tunnels, **don't walk in any excavated areas** in order to safely rockhound this area.

Tailings have been dumped into the streambed west, or downstream, of the old mill site, and are now contained and are not accessible to rockhounds. Two adits are still open, an upper and a lower, discharging to the unnamed stream that feeds the North Fork of Hunters Creek. The upper adit is on private property, and the lower adit is still open and accessible just west of the tailings piles near the old mill site. The “lovely” orange color of the water is quite striking – research shows that the main water quality



contaminant is iron, not lead! If you follow this discharge stream to the west, the orange color completely disappears as it travels through the Department of Ecology's clean-up filter beds. Initially, the adits had been blocked off by the Cleveland Mine's operators, and it's estimated that several hundred feet of water built up in the mine, causing it to explode through the barriers and flood downhill, essentially destroying the original road. The clean-up area is on BLM land, but there are other tailings piles and also possibly other mine portals on private land – **please stay safe and legal, and respect private property!**

According to state records, the ore deposits are in dolomitic limestone (Purdy,





1951). Minerals include galena (PbS), boulangerite ($5\text{PbS}, 2\text{Sb}_2\text{S}_3$), sphalerite (ZnS), tetrahedrite ($3\text{Cu}_2\text{S}, \text{Sb}_2\text{S}_3$), chalcopryite (CuFeS_2), stibnite (Sb_2S_3), cerrussite (PbCO_3), anglesite (PbSO_4), bindheimite ($\text{Sb}(\text{OH})_x$), mimetite ($3\text{Pb}_3\text{As}_2\text{O}_8, \text{PbCl}_2$), and valentinite (SB_2O_3). The tailings piles on each side of the main bulldozer cut are reasonably safe for rockhounding, albeit a bit steep!

Many rocks gleam in the sunshine, and most of these appear to be sphalerite samples, with dark red-black crystallization



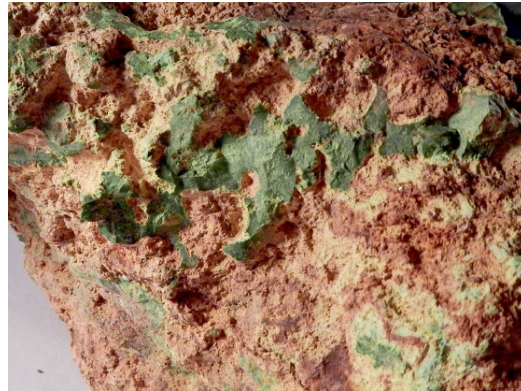
(photo at left). There's a fair amount of yellow mineralization, most of which

appears to be mimetite or weathered chalcopryite – there were a few samples showing small bits of gold-colored chalcopryite or “peacock” coloration.

One of the most interesting samples we found had bright yellow, fibrous sprays that appear to fit the description of valentinite (photo above).



Several other samples showed an almost lime-green mineral that had greasy luster and a more “earthy” look to it, with hardness and



overall characteristics that might be bindheimite (photo above).



There were also many samples of clear crystals in small vugs that possibly are samples of cerrussite (photo above). All in all, it was an interesting mine to visit, with mineral samples galore! end



18 ton Nephrite Jade boulder found in Canada. Considered the world's largest piece of pure Jade.

Calcite Crystal Cave

by Debra Danielson



On April 16th, 2016, the field trip committee men - Jerry Novak, Bob Bristow, & Bruce Hurley met in the Harvest Foods parking lot to lead members Mark & Deborah to the Evan's quarry site. Bob & Lucy lead the way on Hwy. 25 to Evan's cut-off road & up to the overlook of the quarry. Bob pointed out the best trail to reach the site, then left for prior commitments. And what a trail it was. Boise Cascade had installed several large



berms that caused a few delays & frayed nerves. But the wildflowers were in bloom and that made it more enjoyable.

Jerry took Bruce up to an area that looked like a cave entrance where he had found crystals before. Not finding what he was looking for, he took us to another area and we hit the jackpot there. Bruce climbed about 75 feet up and found a "calcite crystal cave". Large crystals were precariously placed in such a manner that Bruce said we did not dare try to remove any. But Jerry found several slabs of Calcite that could be. He pulled out about a 30 lb piece & told me if I could get it down the hill, it was mine..... and I did which completed my first field adventure of the year.

Chips From The Outcrop

By Bruce Hurley

Spring is here and field trips are back in business for the next few months. Our club has quite a few new members this year, and it is probably fitting to review the things you need to bring along and know about, to have safe and successful rock adventures.

The first things to consider when you prepare for a field trip are where you are going, what you are looking for and how to get there. If you go on an outing with a club, most likely someone from the club will lead the trip and has been there before, which makes getting there a lot easier. Likewise, the physical characteristics of the site and what you expect to find are also well-known, along with the type of vehicle needed to access the locality. This saves considerable effort in preparing for, finding and having the right tools when you arrive, and finding assistance if you encounter some kind of unforeseen problem.

As to what you need to take with you on most trips, there are always some basic items, and some which will be different, depending upon the type of area you are visiting. For just about all warm-weather trips in the Inland Northwest, those basic items include plenty of water, sunscreen, a hat (or cap), sunglasses (and/or safety glasses), comfortable/durable shoes, work gloves, a pack/bucket/sack, something to eat

and a spare jacket. The tools you take along generally vary with what you expect to collect. If you are hunting thundereggs or petrified wood, chances are pretty good that you will need a shovel, a pick, a bucket and possibly a prybar, as digging in softer material will likely be your "method of extraction." Should your trip be to more of a "hardrock" setting, such as an old mine or quarry, you will more likely need rock and sledge hammers, various chisels, and a sturdy prybar, although picks and shovels sometimes have their uses there, too. For both types of collecting, some people find certain other items, such as knives and long-handled screwdrivers, come in handy, as well.

If you are fortunate enough to find something you want to take home, you will need materials to pack and transport your treasure back safely. For relatively tough items like geodes or massive ore samples, just having something sturdy enough to carry your good stuff may be enough. However, if you are collecting easily breakable items such as quartz crystal groups or delicate fossils in soft rock, you will need something to pack and pad these items, to make certain they survive the trip home. Newspapers or paper towels work fairly well for most items, but really fragile ones may require a supporting container (coffee cans work well) and wrapping with "rolled mineral paper," usually available at finer restrooms everywhere. Even fragile material needs to be packed fairly tightly, especially if it has to survive a good hike back to the vehicle, and a few miles of rough driving to get back to a highway.

Two more items that every rock collector should take along in abundance, on every trip, are adequate caution and presence of mind regarding where you are and what is going on around you. They are important not only when driving to the collecting site and home again, but also whenever you are in the Great Outdoors. At the collecting site, remember to use those glasses you brought to protect your eyes,

and your gloves to protect your hands against sharp rocks and your own tools. When collecting uphill, remember not to roll rocks or toss dirt down on someone below, and if you are down below, moving off to the side might be a good idea. If you are breaking boulders with a sledge hammer, remember that rocks chips fly a long ways from where you are hitting. Always pay attention to where you walk, and never put your hands somewhere you cannot see. (Snakes like to sun themselves on ledges in quarries.) Stay safe, and with the right tools, some effort and a little luck, you just might find goodies for your case, in the 2017 Panorama Show.

Mojave Desert Monument Off Limits

President Obama's proclamation of a new national monument he designated in California's Mojave Desert has rockhounds worried they are no longer welcome on public lands with a reputation for prime gem and mineral specimens.

The proclamation ensures public access for utilities, cattle ranching, hiking, camping, backpacking, hunting, fishing, rock climbing, bicycling, bird watching and other outdoor recreational activities in Mojave Trails National Monument, which encompasses 1.6 million acres of federal land along a 105-mile stretch of old Route 66 between Ludlow and Needles.

The one thing visitors apparently can't do in mineral hot spots, including Afton Canyon, the Cady Mountains and Lavic, is take a rock home.

That's because the proclamation does not include "rock hunting" as a desired use, and ends with an admonition: "Warning is hereby given to all unauthorized persons not to appropriate, injure, destroy, or remove any feature of the monument and not to locate or settle upon any of the lands thereof."



Norbert Bernhardt, 61, of Santa Ana, holds a specimen of agate he collected at what is now Mojave Trails National Monument. (Louis Sahagun / Los Angeles Times)

(From LA Times 5/7/16 by Louis Sahagun)

Membership Dues:

\$15.00 per household per year is due to the club
Treasurer Johnie Pitman (address below) on the third
 Tuesday of November for regular members.

Webpage: <http://panoramagem.com/>

Contact: Bruce Hurley, President, 509-413-2768.

We, **The Panorama Gem and Mineral Club**, are a multi-faceted group of mineral-minded people. Our proud members include some real gems, a few fossils, and even some diamonds in the rough. A few have lost some of their marbles, but they know where to get more! A few need to polish their coordination because they are always tumbling! And some are miners who use the "silver pick" as their tool of choice! It should be crystal clear, that we all enjoy this unique conglomeration and above all else we strive to **HAVE FUN**. And we never throw stones (away).

May Program

The program for this month is a video the **Tanzanite Story**.

We will also be discussing how to contact members when there is a change in our field trip schedule and how to inform friends and family of our personal field trip plans.

May is "L" and "M" refreshment month. Please contact **Debra Danielson, 509-738-9260** about what you are bringing. June lastnames start with "N", "O" & "P".

<u>Trip</u>	<u>Mineral</u>	<u>Date</u>	<u>Meeting Time/Place</u>
Evans Quarry	(calcite, dolomite)	4/16/16 (Sat.)	Harvest Foods, Kettle Falls, 9:00 am
Stonerose Quarry, Republic	(Fossils)	5/12/16 (Sat.)	Harvest Foods, Kettle Falls, 9:00 am
Omak	(aventurine)	5/14/16 (Sat.)	Harvest Foods, Kettle Falls, 9:00 am
Flagstaff Mountain	(barite)	5/22/16 (Sun.)	Harvest Foods, Kettle Falls, 9:00 am
Horseshoe Mountain	(quartz)	6/11/16 (Sat.)	Harvest Foods, Kettle Falls, 9:00 am
Adams Mountain	(epidote, quartz)	7/9/16 (Sat.)	Gasoline station, Fruitland, 10:00 am
Metaline Falls quarry	(trilobites, brachiopods)	7/23/16 (Sat.)	Train station, Ione, 10:00 am
Emerald Creek; Clarkia Bowl, ID	(garnets; plant/fish fossils)	8/13,14,15,16	Yoke's Fresh Market, Deer Park, 9:00 am

Panorama Gem and Mineral Club: Organizational Chart

Officers:			
President:	Bruce Hurley	10617 W. Lakeside Lane, Nine Mile Falls, WA 99026	509-413-2768
Vice-President:	Bob Bristow	PO Box 1165; 2567 Mud Lake Rd. Chewelah WA 99109	509-935-4375
Secretary:	Anni Sebright	POB 293, Clayton, WA 99110	509-276-2693
Treasurer:	Johnie Pitman	701 B Williams Lake Rd, Colville, WA 99114	509-684-8887
Trustee 2:	Gene Fisher	295 Gold Creek Loop Rd, Colville, WA 99114	509-684-8546
Trustee 3:	Bill Allen	2633 Highline Rd, Chewelah, WA 99109	935-8779, 936-2446
Trustee 1:	Becky Dobbs	968 Phillpott Rd, Colville, WA 99114	509-684-6931
Committee Chairs			
Program Coordinator:	Bev Bockman	1750 N Havichur Loop, Post Falls, ID 83854	208-773-5384
Hospitality:	Debra Danielson	1365 Arthur Ct, Kettle Falls, WA 99141	509-738-9260
Club Shop:	Gene Fisher	295 Gold Creek Loop Rd, Colville, WA 99114	509-684-8546
Historian:	Carol Price	PO Box 77, Laurier, WA 99146	509-684-2857
Newsletter:	Joseph Barreca	2109 Hwy 25 South, Kettle Falls, WA 99141	509-738-6155
Show Chair	Bill Allen	2633 Highline Rd, Chewelah, WA 99109	935-8779, 936-2446

