

Place: Arden
Community Club
Hall Rd
Arden, WA



Time: 7:00 PM
Third Tuesday
Each Month
(Jan.-Dec.)

The Panorama Prospector

May 2015

Minutes for April 21, 2015

By Anni Sebright

Sharon Borgford presented a Viking Knit Chain demonstration at 6 P.M., an hour prior to our regular meeting time. She had prepared instructions and an over-sized model to better show how it all goes together plus several beautiful examples of the finished product. Sharon has a sign-up sheet for those interested in a workshop. Thanks, Sharon. Beautifully done.

Vice President Bob Bristow opened the meeting while President Bruce Hurley recovers from back surgery. We're all hoping for a good outcome for Bruce.

Luci Bristow introduced new members.

Thanks to Matt Harbin for all the hard work on the rock show.

Johnie Pitman brought the bigger items to be auctioned at the May 19th meeting. These items will be fetching the big bucks for the scholarship fund so be ready to empty those piggy banks.

After bills were paid, Johnie reports around \$900 net gain and \$186 for the scholarship fund from the rock show.

Sunday, May 3, will be the field trip to the Flagstaff Mine by Northport for barite crystals. A new meeting place and time, 10 A.M. at THE service station in Northport, is noted and don't be tardy! Gloves, pick hammer, sledge hammer, bucket and newspaper for wrapping up the goodies in your bucket will be needed. Safety glasses and closed-toe shoes are always a good idea, too. Some members from the Spokane club will be joining us.

The possibility of sharing a field trip to Rock Candy Mountain was discussed. A trip with Andy Buddington to the Coeur d'Alene Mining District was also discussed,

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Flagstaff Barite

By Joseph Barreca



[A happy barite crystal collector at Flagstaff Mt.]

Becky Dobbs led a crew of from 15 to 19 folks from both the Panorama Gem and Mineral Club and the Rock Rollers on a field trip to Flagstaff Mt. on May 3rd. Everyone arrived on time. Dennis Gibbons confessed: "You scared is so bad when you said you would leave without us if we weren't on time." Since the mine itself is 10.3 miles off of the nearest paved road, having an experienced leader was a must.

The quarry is rather large and folks were glad that Becky and the field trip crew had scouted out the best crystal area beforehand. She led them to it and showed them what they were looking for.



Date	Place	Rocks	Meet
May 3rd	Flagstaff, Northport	Barite Crystals	Meet at Harvest Foods at 9 am
(Late) May ??	Clarkia, Id	big garnets	\$25 pay for dig
June 13th	Keystone/Edna mines	Copper, Serpentine, Pyrite cubes	Meets at Safeway in Chewelah at 9am
June 21-24	McDermitt, Nevada	Jasper/Agate/Petrified Wood/Thunder Eggs	with Spokane Club, 509-251-1574, mikeshawmoose@yahoo.com
July 10-13	Clarkia, Id	Garnets/Quartz Crystals	with Mineral Council
July 19th	Silver Valley	Geology Tour with Andy Buddington	Meet at 8 am at the "Mineral Ridge" boat launch along Wolf Lodge Bay on Lake CDA.
July 19th	Horseshoe Mtn	Quartz Crystals/Florite	Meet at Intersection Hwy 20/Hwy 21 at 10am
Aug	Rock Candy Mine	We are working with the Chief Joseph rock club to see if we can buy a combined trip for newly exposed rock this summer but don't have anything set up yet.	
Sept 11-14	Redtop Mtn in Wenatchee	Geodes	with Mineral Council
Sept 25-28	Little Naches River Yakima	Geodes	with Spokane Club

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..but it would need to be July 18th as there's already a July 19th trip to Horseshoe Mountain in the works. Both trips now on July 19th.

A motion to buy Volumes 5 and 6 of "Discovering Washington's Historic Mines, North East Corner" was passed. These books can be found and ordered at "Coffee and Books" in the Chase Bank Building in Colville.

A member of the Newport Rock Club is moving and has put a list of rocks and equipment for sale on the website. Call Brian Peck if anything interests you.

The auction of donated materials will be next month's program. The proceeds benefit the scholarship fund. April's program was "The Geology of Idaho."

Jerry Novak won April's door prize. If anyone has an item they would like to donate for either the door prize drawing or the silent auction, please see Becky Dobbs or Johnie Pitman.

end

Online Geological Archive

Mineral & Fossil Shop



barite continued:



One recommendation for more crystal digging trips is to bring eye protection. There is another crystal trip coming up in July to Horseshoe Mt. This is another area where you don't want rock chips flying in your face. The "Welcome" sign was a little daunting, but the quarry is not currently in operation and the manager gave the club permission to explore there. The gate was locked so rockhounds had to walk 100 yards to the site.

Virtual Museum of Geology

An online guide to museums and rock clubs www.virtualmuseumofgeology.com already has a lot to see but is seeking listings of more rock clubs, including ours.

Johnie's Jabber

One of our long time members Robert (Bob) Adams passed away on March 28, 2015. He was an active member for several years when we had our meetings in Kettle Falls. He only lived 3 blocks from the Union Hall where we met and could walk to the meetings. He went on many field trips with the club. His three children donated most of his rocks to the club with the proceeds to go to the scholarship fund, THANKS Heather, Michial, and Machell.

The auction of items that were donated from the rock shop that had been located in Metaline Falls will happen at the May meeting. Bill Allen hasn't had his surgery yet so will probably not be at the meeting. I'm not sure who will be the auctioneer, maybe you would want to practice your calling and volunteer to do the job. A list of the items to be auctioned off and a suggested starting bid is as follows;

Item	Opening Bid
42" Glass display case	\$20
4" Quartz sphere	\$20
Set of book ends	\$20
Large end cut of petrified wood	\$50
1 foot dia. Petrified wood	\$40
Fossil plate with 4 ammonites	\$40
Fossil plate with 2 ammonites	\$40
4" Labradorite (polished)	\$20

The proceeds from this auction will go into the scholarship fund so come plannina on havina some fun and remember we don't take credit or debit cards.

Bill Allen best of luck on your upcoming surgery!!!
Bruce Hurley had surgery so heal fast!!!
We hope and pray that both of you heal without complications.

Mine Research

The Stevens County Historical Society is looking for information and pictures of some old mines in the area that the BLM is submitting to the National Register of Historic Places. They would particularly like to find photos, then local newspaper articles and then 1st hand accounts. The mines they are researching are:

Comstock Claim - Pierre Lake
Hidden Treasure - Pierre Lake
First Thought - Pierre Lake
Luckv Charlie - Pierre Lake
Advance - Black Canyon
Bechtol - Deep Lake
Thompson Iron - Deep Lake
Tvee (or Tvree) - Deep Lake
Guaranty - Riker Mt. - Chewelah

If you have any material on these mines, please contact Joe Barreca, 509-738-6155.

More Saddle Mt.

Debbie Gibbens and Joe Barreca



[Dennis Gibbens with petrified wood]

There is a lot more to getting petrified wood specimens from Saddle Mt. than just getting there and digging as shown in these photos from Debbie Gibbens. For one thing, you are on top of a mountain with a fabulous view of the Columbia



River far below. (I'm going to assume that the orchards that are little white squares in this picture are cherries that are covered with bird netting.)

You might lose focus on the rocks that were once trees buried right at your feet. In the distance in this picture you can see the basalt cliffs where the river cut through the 20 million year old basalt flows that cover the Columbia basin. As the flows were growing, river waters formed a ring of lakes around the flow that became a home to diatoms. Diatoms are mostly silicon. Dead trees became submerged in this soup and over time absorbed the silicon. When the lakes dried the wood became petrified with silicon.



[Clean rocks on the countertop]

Although getting there and finding rocks might be most of the fun, there is still a lot to do when you get home. Some folks might balk at cleaning rocks in the kitchen, but when a good part of your kitchen is already rock, that might not be a problem. With a little rubbing and scrubbing you get a pretty nice collection to look at.



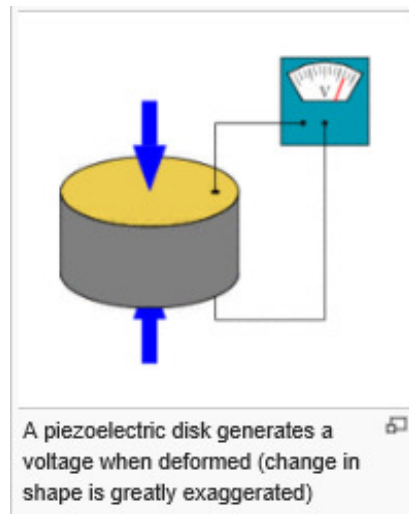
And the fun might not stop there, with a little work, well actually a lot of work, in the rock shop, you can get slabs and cabs and who knows what else from these beauties. Often times they even glow under UV light. (Thanks Debbie and Dennis for these great pictures.)

Strange Properties of Tourmaline and Quartz

from Bob Bristow

Following are the definitions of several properties of certain minerals.

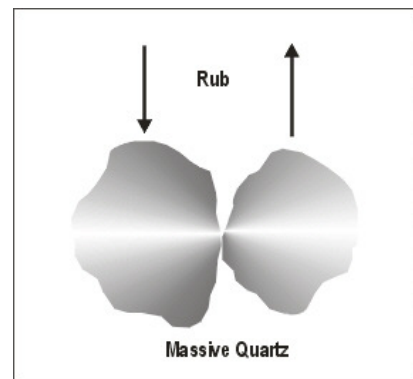
Piezoelectricity – The electric charge that accumulates in certain materials in response to applied mechanical stress. The most common use of this property is for accurate timing of clocks.



Tourmaline and quartz (especially quartz) crystals will change shape if a voltage is applied to two faces. An electrical circuit is used to apply this voltage in the form of a pulse that coincides with the natural frequency of the crystal. An oscillation results that is very accurate and can be used to tune radios and make clocks accurate.

Tourmaline is sometimes used to make pressure transducers to measure very short duration pressures (such as the pressure pulse generated when firing a gun).

Quartz pressure transducers are the standard for measuring blast pressures. (I have been using tiny quartz transducers made by Kistler and others manufacturers for over 40 years.)



Triboluminescence

Triboluminescence

– Light caused by the excitation of electrons during the rubbing, crushing, or tearing of a material. Quartz is one of the minerals that shows triboluminescence.

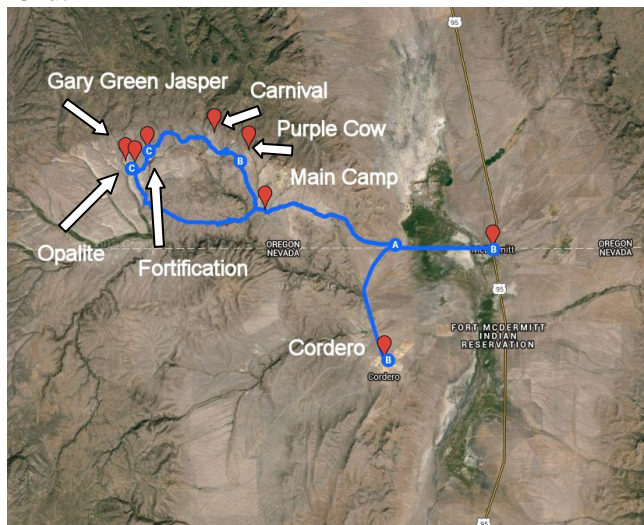
Thermoluminescence – A phenomenon in which certain minerals release previously absorbed radiation upon being moderately heated.

Chemiluminescence – Emission of light as a result of a chemical reaction.

Map to McDermitt

We have a lot of nice rocks up here in Northeast Washington. What we don't have much of are good agates, jasper, obsidian or thundereggs. All of those and a lot more are available on a trip scheduled for the 20-24th of June to McDermitt, Nevada and surrounding areas. Mike Shaw is organizing this trip and it looks like one for the bucket list. You can contact him for specifics, mikeshawmoose@yahoo.com. There are links to both his map and his email address on our website, panoramagem.com.

McDermitt is right where Highway 95 crosses the Idaho/Nevada line. The main campsite is a few miles west of McDermitt. There are six sites shown on Mike's map but side trips to Glass Butte, the opal mines of Paradise Valley, Nevada and sunstone near Hart Mountain are all within striking distance. Mike has trips for thundereggs scheduled on Monday June 22nd and to Glass Butte for obsidian on Tuesday, June 23rd.



Here are some of the highlights:

- Gary Green Jasper: (Larsonite) Hard rock tools are required here. Look around before deciding on a spot. Many qualities and colors are available.
- Opalite Mine: Massive pieces of Agate, a neat place. Stay out of the adits. Very Dangerous!
- Fortification Agate: Banded Purple agate
- Carnival Agate: Most of the material here is a gorgeous opal/agate type rock, but it's super brittle. There's some other nice material here too. It's just under the surface and sticking out in places.

- Cordero Mine: lots of different agates, jaspers, wonderstone, etc
- Purple Cow Agate: Purple Cow Agate is found here. Look in the draw and surface collect. When you find some on the surface, it pays to dig about 6 inches or so, and there's lots to be found. Chip off a corner to verify color.

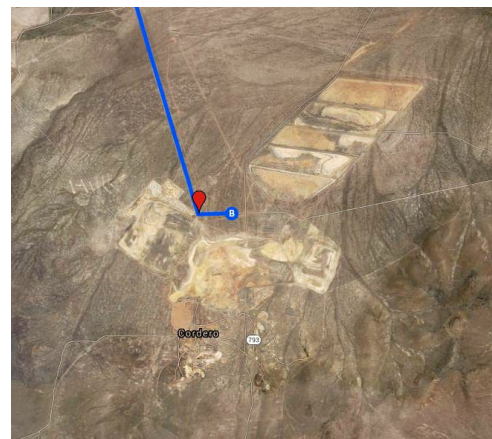
Mike says: "The Gary Green and Purple Cow are my favorites here, although the other stuff may be yours. Almost anywhere in the loop you walk, you'll find petrified wood. The Cordero Mine is a treasure trove of different colored agate and jasper, and the floor of the open pit mine is solid agate." The area is arid with no cover.



[General area of the McDermitt trip]

The best vehicle would probably be a self-contained RV. But lodging is available near the Casino on Hwy 95. Looking at the number of different rocks you could collect, you might want a trailer just to haul them back.

Another nice thing about Mike's Google map is that you can zoom in on the sites. Here is a close-up of the Cordero mine. It looks like you could spend all day just trying to see it all. Even



from the air it is full of color. This looks like a great trip. If you go, bring me back some pretty rocks.

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).

Special Rock Auction

At the May Meeting we will have a special auction of some very nice rock specimens that include a 4"quartz sphere, large polished petrified wood slabs, ammonite plates and Labradorite. There is also a nice glass display case, 42" long. So bring some bucks.

There are also some field trip ideas you might want to get in on.

Viking Chain Class

At last month's meeting Sharon Borgford presented a Viking Knit Chain demonstration. It was well-attended. She has offered to do a more in-depth workshop for those who are interested in how to make this kind of jewelry.



Sharon has a sign-up sheet for those interested in a workshop.



Also known as trichinopoly, this technique creates chain work that can be either lacy or dense, depending on the number of loops woven into in each round. The method is simple to learn, but takes a little practice to master. And yes, the Vikings really did this!

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 1:	Gene Fisher	295 Gold Creek Loop Rd, Colville, WA 99114	509-684-8546
Trustee 2:	Bill Sebright	POB 293, Clayton, WA 99110	509-276-2693
Trustee 3:	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:	Luci Bristow	PO Box 1165; 2567 Mudd Lake Rd. Chewelah WA 99109	509-935-4375
Club Shop:	Scott Jackson	1028 Old Hwy 12 Mile Rd, Colville, WA 99114	509-684-6371
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