

Place: Arden
Community Club
Hall Rd
Arden, WA



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

The Panorama Prospector

August 2013

Panorama Gem and Mineral Club July 16, 2013

The meeting began with Bruce talking about the Metaline Falls rock-hunting trip. There were 17 vehicles and 42 people who participated in that trip. Everyone found some precious treasure! The last PGMC newsletter pictured some of our members on that trip. The one of Scot Jackson was especially good. He really knows how to prepare for whatever happens on a rock trip!

The subject of a storage cabinet for storage of our club TV was mentioned. Johnie Pitman and Gene Fisher will be checking out the availability of the cabinet most suitable for our needs.

Bruce thanked our club members for their contributions to the silent auction and the door prizes. They are greatly appreciated.

Listed below are upcoming club events:

July 20, 2013 Geology Trip

Andy Buddington and Eric Cheney will be the leaders. Meeting at 9:00 AM at Roitz Road. They will be visiting the Barite mine, Red Marble Quarry and some road cuts that are geologically interesting.

August 3, 2013

Andy Buddington will lead a geology trip. Meet in Newport at the Safeway at 9:00 AM. They will explore the southern Pend Oreille County and the Priest River, Idaho area.

August 3, 2013

Rendezvous Days will be held at Colville City Park. Johnie Pitman will be setting up a table, for display and talking to interested people about their rock collections. Chuck Prentiss will be there with fellow knappers demonstrating the find art of knapping.

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Arizona Adventures of Steve Fox



Here in Arizona the rock hounding season doesn't start until September, just about the time it is winding up in the Northwest. The first trip I went on was for onyx in October. We went a little over twenty miles from a town called Camp Verde, which is about 60 miles south of Flagstaff. We go on what is called coalition field trips, so there were about 60+ people that showed up representing at least five clubs.

We left what is called the Salt Mine Road for a dirt road. This is a very good road that any mule would appreciate, four wheel drive was used quite sparingly. This entire area is made up of basalt formations, scrub brush, cactus, scorpions and a whole host of nasty bugs (rattlesnakes, jack

Burro Creek Agate



rabbits and other higher life forms have abandoned the region for better living conditions).

From the staging area we were told that it was about half mile hike up to the old mine (it is called the Lost Onyx Mine). So I grabbed my 6 lb rock hammer, bucket and back pack and started off on the five mile trek up to this mine. Actually the trail

was very well used and really not too bad. It was down to a creek bed and then up to the mine. The

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August 20, 2013

The Club's Annual Picnic

Arden Community Center - 7:00 PM

Bill Allen will be cooking his exceptionally good hamburgers. He will be setting up at about 6:00 PM. Bill will also provide eating utensils, iced tea and lemonade. We are asked to be there by 7:00 PM to eat! Luci will bring the condiments for the hamburgers. (mayo, mustard, catsup, pickles, relish, lettuce, tomatoes and onion.) **Please remember to bring your own CHAIR.** We will have a "Tailgate Swap", so bring some things you would like to swap with fellow members.

Joe Barreca told us about a retired couple from Oklahoma who are interested in receiving rock samples from our area. If you have rocks you would like to share, please let Joe know or bring to picnic so he can mail them.

Johnie Pitman received "thank you" notes from two scholarship recipients. We also had a small eulogy for Margie Wilson who has been a contributing rockhound for many years. She will be missed.

Bruce gave our presentation. He talked about the common rock types of NE Washington, adjacent British Columbia and Idaho. He had examples of the rocks that he discussed. It was very interesting and some very good information was shared. Thanks, Bruce.

end

mine was actually an outcrop in the basalt. We found a lot of material that was mainly calcite crystals. My hammer quickly became popular because this is very hard rock.

My next trip came in November to Burro Creek, a coalition trip of about three clubs.

Not knowing exactly where Burro Creek was from Prescott I got out my handy atlas and found where I was to be by 9:30 on a beautiful Saturday. I deduced that it would take me only about one and a half hours to get there by a road that looked like it was a short cut. I got up and left at a quarter to eight. So I was only twenty minutes late. The 'short cut' was a winding road that had been laid out by a drunken surveyor. As this group does not give anybody a fudge factor of

ten minutes, they were long gone. Having nothing better to do, I went rock hounding anyway. Very quickly I found myself behind another vehicle that seemed as lost as me. The dirt road up Burro Creek is well taken care of and is an easy access into the area. So I went pretty slow and observed as much as I could.

This is another area of basalt formations

Pastelite "Purple" Burro Cr. Agate



with a lot of cactus and other desert fauna.

Although very much an arid type of area, it does have some creeks in with water. There are a lot of side roads that will be explored later, but I was intent on following the rig in front of me. After about eight miles they stopped and so I had a chance to talk to them. As it turned out they were lost too. We looked around where we were and found agate everywhere. I could have loaded my truck up right there and called it a day, but I went up the road about another mile and found the rest of the group.

Burro Creek deserves its reputation for agate materials. It's everywhere. After about two hours of exploring, a few of us decided to go after some purple agate in another area. Only four wheel drive was going to get you out to this area, which was about two miles up the road. The 'purple' we found was more of a light blue grey, but as it was getting late, we decided to go. We took another 'short cut' to the main highway. Mules would have balked at this washed-out, boulder-strewn, cursed excuse of a road. It would have been faster to walk out by this way. That's not much of a joke as it is nearly the truth.

Our next coalition trip is to Bouse for a whole host of copper minerals. This will be December 31 and January 1. Bouse is about 50 miles northeast of Quartzite. Can't wait.

(I miss every one of you. Steve)

Chips Off The Outcrop

By Bruce Hurley

Bob and Luci Bristow and I have had an interesting August, with day trips to scout for future collecting sites, from the central Idaho Panhandle to within sight of the North Cascades. The first trip was to scout out the Mica Mountain area near Avon and the fossil collecting site near Clarkia, both in Idaho. None of the maps to Mica Mountain



were very good, but we finally got there after several false starts. The mine dumps are now becoming overgrown with vegetation, but there is still good mica to be found. We did not find any beryl in the pegmatite, but there is a fair amount of black tourmaline, especially in the mica schist host rocks, which make fragile but attractive



specimens.

We also located the Clarkia Bowl fee fossil site, and it is open for business. The site turns out to be a bit over a mile south of Clarkia instead of north, as commonly reported.

Our second trip was to the Chesaw-Oroville area to visit a selenite gypsum locality. There are good specimens at this spot, but they require hard digging to extract from a deformed shale, at a hot, dusty location. We have been referred to several other possible collecting sites

in the Curlew and Chesaw areas, but some more scouting will be needed to put together a trip, hopefully for next spring.

Johnie and Ginger's 50th

On Sat Aug 31 Ginger and Johnie Pitman will be celebrating their 50th anniversary. You are invited to join them at their house for a catered luncheon. Come and go as you like from 1-5 PM, dress is casual and no gifts please.

Rocks for Oklahoma

This letter was posted on our website.

Hi, Panorama Gem and Mineral Club.

My name is Richard Jarboe, my wife's is Donna. We live in Oklahoma, and we belong to the Tulsa Rock and Mineral Society. I'm writing to see if you or some members would get together and send us a box of different specimens from Washington, like petrified wood, thundereggs, calcite, fluorite, minerals, agates, jaspers, geodes, crystals, fossils, different crystals etc.

We will pay the shipping cost. We wanted to visit the beautiful Washington and do some rock hunting..But our doctor put my wife on oxygen and it's too hard for her to carry it looking for specimens. My knees to my ankles swell so bad I can't get around much. Doctor said health wise we may not be able to our hobby anymore. We tried an oxygen dolly for the oxygen bottle. It's not possible. We love rock hounding. We're in our 60's. We hope Panorama Gem and Mineral Club. Will send us a box full of

different specimens. We will pay the shipping.. Please send us a lot of different specimens large and small. My wife started a display for different petrified wood, thundereggs, minerals, jaspers and agates.

We'll be waiting to get a e-mail from the Panorama Gem and Mineral Club. Please help us. It hurts us that we can't go rock hunting anymore.

Thank You Very Much

Richard and Donna Jarboe
204 E. 3 rd Street
Owasso.OK. 74055

(They sent \$12 for shipping the box, which is already started. Please bring an extra rock of some kind with your tailgate rocks to the BBQ and potluck at the August 20th meeting.)

Reminder about the ...

Fourth annual World Rock Tumbling Contest

The time for shipping your tumbled stones back to FRLMS, Inc., is approaching soon. Your stones must be in the mail no later than August 15th. We've only received a few back so far. Good luck to you all! Here is the address to send them.

Send to:

Lori
Millard
2660
Cherokee
e Road
Oroville,
CA
95965

For more information
www.FeatherRiverRocks.org
Phone: (530) 877-7324
Email: Tumbling@FeatherRiverRocks.org

This notice will get to you a little late. Hopefully, anyone in the contest has already sent their tumbled rocks back to be judged.

Geology of the Continental Margin

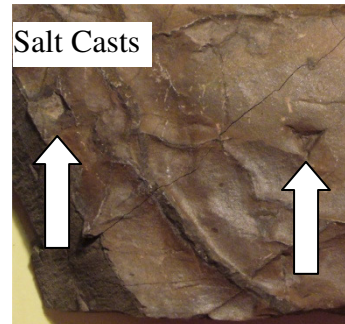
By Joseph Barreca

Eric Cheney at Pease Barite Quarry



You know you are in trouble when the second paragraph of a geology paper reads “*The trip emphasizes the importance of synthems. Synthems are unconformity-bounded sequences of inter-regional extent and of tectonic (not eustatic) origin. In most places, synthems are bounded by angular unconformities, but these unconformities generally are too subtle to see in outcrops; commonly they are only evident on regional maps.*”

It makes a little more sense when you stop at a site like the Pease Barite deposit on Solokar



Road. The barite is mostly gone now but the host rocks of the Belt Supergroup remain. You can tell that from the ripple marks, mud cracks and impressions of salt casts that these

thin slabs of maroon rock formed on the bottom of a shallow inland sea. They were originally horizontal. But in the picture above, they are sharply inclined, almost vertical. That is the result of what Eric Cheney called the snowplow

effect. Like snow pushed in front of a plow, these rocks are tilted up at a steep angle. Now imagine layers of these rocks being pushed by that same snowplow. You might get strange effects, like layers of rocks that were once below other layers being pushed up and over the younger rocks formed on top of them. That is the core story of this field trip. These layers (synthem) are found here but also in rocks found in Missoula Montana. The “Belt Supergroup” is named after Belt Montana, where it was first identified.



Identifying layers of rock is at the heart of the work of these geologists. Close examination shows that layers with different names in Canada and on maps drawn by different geologists are really the same rocks. In some places they are well preserved, in others it’s a mess. In the picture above, taken at our second stop on West Jump Off Joe Road, Bruce Hurley is looking for the faint circular outlines of crinoid fossils that identify this rock as a Mississippian Carbonate, a limestone formed from 330 to 346 million years ago when crinoids were common, the age of rocks found along the Mississippi Valley.

Determining the age of rocks is much easier when fossils are present. Some asked why they couldn’t use carbon dating. But carbon dating is only possible when plant material is available. These rocks are much too old for that.

On the other side of this same hill are much younger quartzite rocks. Finding these two very different-aged rock types together is an “unconformity”. Mapping the unconformities shows the faults, places where huge plates of rock pushed up against each other. With closer examination, the direction and angle of these faults becomes evident. Picking apart the

dynamics and chemistry of the events is the puzzle stratigraphic geologists try to solve.



A wall of rock such as this one seen driving up Red Marble Road offers more questions than it does answers. Because the original minerals that were changed by tremendous heat and pressure deep within the earth are much older than the metamorphic rocks that are now exposed, typical age dating techniques are inaccurate. This phyllite has very fine grains drawn into layers (think phyllo dough – paper-thin sheets of unleavened dough) then scrunched and twisted. Calcite (the binding element in cement) fills the gaps of these rocks with white lines.



We stopped on Stensgar Mountain for lunch. (More to come in the next newsletter.)

Membership Dues:

\$15.00 per household per year is due to the club

Treasurer Johnie Pitman (see below) on the third Tuesday of November for regular members.

Webpage: www.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).

Rock Hounds Chow Down

The upcoming meeting is our annual potluck BBQ. You are invited to bring anything but buns and burgers. Those will be provided by the club and grilled by Bill Allen. Bill also has silverware for 100 people. You are asked to bring your own lawn chairs.

After the meal (and inevitably a short meeting) we will again have a tailgate rock swap. Bring stuff you have too much of to trade with others. Also bring some for the Jarboes (see inside).

Martell's Rock Shop

2 Baxter Lane
Kettle Falls, WA 99141
509-738-3041
509-675-0390
bkmartell@hotmail.com



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Mineral Identification
Mineral/Mine Locations

Bristow Enterprises
PO Box 1165
Chewelah, WA 99109
Bristow@theofficenet.com

mineralsoftware.com

This newsletter is published by the Panorama Gem and Mineral Club. Editor: Joe Barreca, 509-738-6255, joe.barreca@gmail.com.

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	935-4375
Secretary:	Luci Bristow	PO Box 1165; 2567 Mud Lake Rd. Chewelah WA 99109	935-4375
Treasurer:	Johnie Pitman	701 B Williams Lake Rd, Colville, WA 99114	684-8887
Trustee 1:	Scott Jackson	1028 Old Hwy 12 Mile Rd, Colville, WA 99114	684-6371
Trustee 2:	Bill Lupton	2530 Six Mile Rd	509-935-6198
Trustee 3:	Bill Sebright	POB 293, Clayton, WA 99110	509-276-2693
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	684-6371
Librarian:	Ruth Ross	750 N Lincoln, # 6, Colville, WA 99114	684-4925
Historian:	Carol Price	PO Box 77, Laurier, WA 99146	684-2857
Newsletter:	Joseph Barreca	2109 Hwy 25 South, Kettle Falls, WA 99141	738-6155
Show Chair	Bill Allen	2633 Highline Rd, Chewelah, WA 99109	935-8779, 936-2446