

Place: Arden  
Community Club  
Hall Rd  
Arden, WA



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

## The Panorama Prospector April 2014

### Panorama Gem and Mineral Club Minutes for March 18, 2014

*By Anni Sebright*

A reposition of our officers from sitting on the stage to the seating on the floor, mixed it up a bit and should help facilitate our programs.

New members and visitors were introduced and welcomed as President Bruce Hurley opened the meeting.

Bill Allen thanked all participants in the 14th annual rock show. It gets bigger and better every year, especially with the move to the Ag Trade Center building at the Colville Fairgrounds. Set up and tear down is more efficient with only one story being used.

Bill estimates 500 to 700 more people attending this year than last year, for a total of 2,000 people, approximately. Donations to the scholarship fund increased as a result.

Next year's show will also be March 7th and 8th. The first and last door prize ticket numbers will be recorded next year and then quadrupled (average family size is 4) to give us an idea of attendance.

Special thanks was extended to Matt and Debra Harbin and their 4H group; to Bill Allen; to Steve Fox; Sharon Borgford and to the "Welcome Rockers" at the door and to everyone participating to make it the successful community event enjoyed by many.

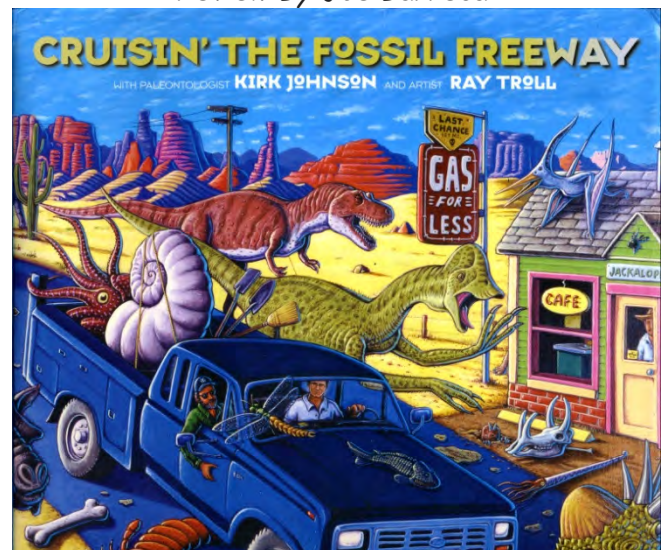
Thank you to all the people donating door prizes, giving choices to our monthly door prize drawing. Bill Lupton was our lucky March winner.

Bob Bristow talked about field trips- both day and multi-day trips. The White Stone Calcium Co. is a possibility. Hard hats and signing a Release of Liability would be requirements. A Saturday tour of the plant can be scheduled.

Continued on page 2

### Crusin' the Fossil Freeway

*Review By Joe Barreca*



[Cover to *Crusin' the Fossil Freeway*]

Some of you may remember the poster from last year's rock show with the theme "Ages of Rocks". We had a cartoonish poster there which depicted the geologic time scale. It was drawn by Ray Troll. He is a lot more famous than I knew at the time. It turns out that depicting dinosaurs and other creatures from ages past is a skill in high demand with scientific and particularly paleontology museums.

The blue truck at the top of the layers of bones in that time scale poster was a cartoon version of a real truck that Kirk Johnson drove around in collecting specimens for the Denver Museum. This book is a chronicle of a trip that Kirk took Ray Troll on to fossil sites, museums, friends, events and small towns in 16 western and mid-western states all of which have numerous fossil strata of scientific and historical importance.

Going on the real trip with them would have been a life-changing experience. Reading the book is close to one. In it, you get lots of drawings from Ray Troll but next to them is the

Red Top, McCoy Creek, Davis Creek, CA, Sunstone beds in OR, the Cascades and Snoqualmie Pass were all mentioned in the "possibles" category.

Show prizes and newsletter bills were approved for payment, and Johnie Pitman, Treasurer, said there could be a couple more show bills still coming. Vaneta, Peggy, Mary and Rita volunteered for refreshments for our April meeting.

The Silent Auction offered up an assortment of goodies to add to collections. Thanks to all who donated.

Our program for the evening, "Platinum Dreams," about platinum mining in Alaska was provided by and lived by Eugene Fisher.

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diary of the trip written by Kirk Johnson with details about the terrain, the people who first discovered those particular fossils, the people who still dig them out for both science and profit, little sketches of towns all over the map and the food they ate in little cafés.

On top of that are the names and descriptions of the "formations" where these fossils are found, the scene on life on earth at the time, the connections that scientists made piecing together what is found from different times and places... It is a slice of the whole "paleo scene".



[A section of the poster that inspired the trip]

Ray Troll lives in Ketchikan Alaska. He and Kirk Johnson collaborated on a fossil map of these western states that Troll drew on a wall. They made a poster out of it that is 4' by 5'. We are talking a big poster. But the price is reasonable, so I bought one and will bring it to the next meeting. I wasn't that much into fossils before, but when you begin to fit them into this huge picture of prehistoric life, they become more than just keepsakes. Each one is another piece of the ancient puzzle of life. I see now that it is more important to add your treasures to the whole story

than to keep them just for yourself. It adds to their individual importance and everyone's understanding. Of course, most of them are not that unique and there seem to be endless fossils to collect. We have some fossils nearby such as the trilobites at Metaline falls, but most of what we collect are minerals. Minerals are nice, but fossils all have great stories. That's what makes this book so captivating.

## Kanim Lake 2

*This is the third installment of Bob Bristow's adventures at Lake Kanim-with even more to come.*

Luci and I spent nearly 40 years in Western Washington and both had extremely stressful jobs. To get rid of the stresses built up during the week at work, I was in the local mountains every weekend that I could. I liked to go with people, and found it easy to find people who would climb up into the mountains to fish. However, since it was difficult to find those who wanted to rock hunt, I often went by myself. My partners may have gone strictly for fish, but I went to explore, prospect, and hunt. And, yes, I also enjoyed fishing.

There are numerous mines, mineral outcrops, and old prospects in the mountains around Kanim Lake. Just west of Kanim is a major shear fault. This fault runs for at least several miles and furnished the ore for several mines. The Blackhawk mine at the north end of the fault zone has, or had, a good road to it. The rest are high on the mountains. At one point, the fault runs through Illinois Basin below Miner's Ridge. In addition to mines and prospects, the basin has some of the largest starbursts of tremolite in the state (up to three feet in diameter). These starbursts are on the surface of granite, easy to see but hard to get a sample. The rocks also contain miarolitic cavities<sup>1</sup> with starburst epidote. The

<sup>1</sup> **Miarolitic cavities** (or *miarolitic texture*) are typically crystal lined irregular cavities or [vugs](#) most commonly found in [granitic pegmatites](#), but also found in a variety of [igneous rocks](#). The central portions of pegmatites are often miarolitic as the pegmatite [dike](#) crystallizes from the outside walls toward the center. The [volatile](#) portion of the [magma](#) is gradually excluded from the forming crystal phases until it becomes trapped within the body and forms the cavities which often

fault runs near the summit of Bear Mountain and down the ridge on the south side. I have fond memories of visiting some of those mines, one of which was started in a natural cave where the shearing had left an opening. At the south end of the fault zone is Bear Basin with several adits. An interesting mineral here is plumose, erect sprays of tourmaline in cavities. If you were to drill a tunnel directly east from the Kanim Lake, you would come out at the upper levels of the Apex Mine. This mine had many interesting minerals. Gold was very rich, the better ore ran one to four oz/ton while the poorer ore was 0.25 to 0.35 oz/ton. Quantity wise, the main output of the Apex was arsenic. The first time I drove up the North Fork road was in 1957 and the Lennox mine was still working. In fact, I think that was the end of the road.

After establishing a “trail” to Kanim Lake, I began to take various people up there to fish and to see the sights. The only one to accompany me more than once was my son Dale. All the rest couldn’t find time for a second outing. I never could understand it since we always had some kind of a neat adventure. The first person to accompany me was Jack, the one that I had originally been with when we couldn’t find a way up to Kanim Lake. I told him I had found an easy way up and there was no technical climbing. This was mostly true. He had no real complaints until we came to my “bridge” across the stream below the lower cirque. This was a real shortcut and only took a few seconds to cross the white water below. The “bridge” started out about 20 feet above the water on a nice flat rock and extended about 30 feet across the canyon. The “bridge” was about six inches in diameter at this point and tapered down to about three inches at the far end.

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contain [minerals](#) of elements incompatible with the typical [silicate](#) granitic mineralogy. The miarolitic cavities and miarolitic pegmatites are sources of rare and unusual minerals containing elements not found in abundance in normal igneous rocks. Minerals containing lithium, rubidium, beryllium, boron, niobium, tantalum, tin, bismuth, fluorine and other elements are found. The term *miarolitic* comes from the [Italian](#) *miarole* in reference to the mineral-rich pegmatite region of Baveno and Cuasso al Monte in northern Italy. (Wikipedia)

It would have been better if the far end had been supported by something solid. It was only about three feet above the ground at that end but it did wiggle quite a bit when you walked across it. One nice thing was that as you walked across, the “bridge” bent down and eventually touched the ground about the time you reached the other side. You could take your time crossing, but you did have to jump off quickly, the “bridge” would jump up behind you with a whoosh and would take your foot with it if you weren’t careful.

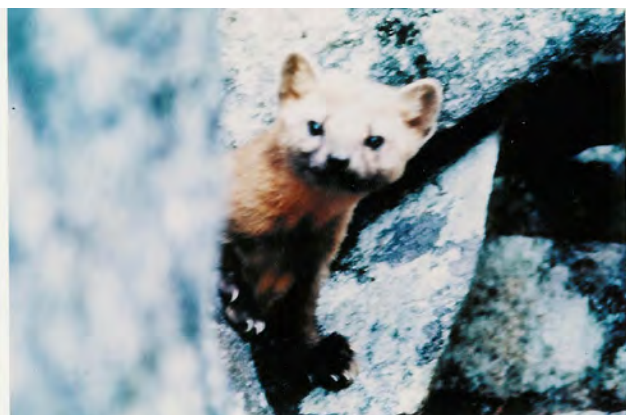
When we got to the log, that is, “bridge”, Jack refused to cross. I told him it was as good as a tightrope and he should just put his arms out and pretend he was walking on a tightrope over Niagara Falls. He would be across in no time. Since I was on the other side of a noisy stream, I couldn’t hear what he said, but he crawled back down off the rock with the “bridge”, and made his way about 100 feet downstream. There, he used bushes to lower himself the 20 feet down to the water. He then jumped from slippery rock to slippery rock to the other side. (He slipped into the water once, but at least the other boot remained dry.) Next it was up the other side of the gorge climbing on vines and then back through the brush to where I was. He then said something about my “good trail,” but I couldn’t hear what he said so I assumed he was complimenting me on the route I had discovered.



[Pine Martin picking up Bob’s fish.]

We went on to the lake and caught a number of fish and I took samples of a sulfide vein above the snow field at the south end of the lake. When I started to clean the fish, I noticed movement on the other side of the lake. It was a pine martin and, boy, was she in a hurry! By the time I had the first fish cleaned, she had come all the way around the north end of the lake. Usually, when you see a

pine martin, all you get is a glimpse of brown as it disappears into the next county. But here was one running right toward me. I grabbed my camera and took a quick picture. One picture was all I got. She grabbed the fishhead and went back around the lake at full gallop. I thought that was the end of the pine martin episode, but she came right back for the next fish head. The first picture shows her grabbing one of the heads. The second picture is of her looking at me when I didn't have the next fish head ready when she returned.



[Pine Martin waiting for Bob's next fish.]

It seemed like this would be the sum of the adventures for that day. However, when we got back to the clear-cut and looked over a log, we saw that there was another car next to ours. Also, there were two women between the cars and one was wearing nothing. She was bent over, and the older woman had a huckleberry branch hitting the part that was turned up. When we appeared, they jumped in the car. As we approached, Jack said, "You know, if you wander around in these hills long enough, you will see everything!" When we got to our car, and started to unpack, the older lady (the one with the clothes) came over to talk to us. She said their husbands were up the hill looking for an old mine. She also asked if there were any bears around. I said, yes, we had seen some sign at the edge of the clear-cut. With that, she gasped, ran back to her car, jumped in, shut the door, and rolled up the window. I don't know what these



ladies were doing, but someone in the know told me I shouldn't ask. So I haven't. [Epidote]

## Johnie's Jabbering Again

The Spokane Rock Rollers show was held the end of March and was a lot of fun and well attended. The weather was good every day and they had done a good job of advertising. There were a lot of enthusiastic kids on Friday and a steady flow of adults on Saturday and Sunday. I worked at their silent auction all three days, which is always fun.

Some of us knew Jim Lawson from the Omak/Riverside area and I'm sad to report that he passed away on February 14th. He was the leaseholder and contact person for the field trip to the thulite quarry near Riverside, WA.

Slabs, slabs, slabs, I've started working on a 49 square foot area of floor in our basement that I'm covering with slabs, should be a lot of fun once I figure out how to do it!!

The program this month will be a film on Mount St. Helens.

## Total Lunar Eclipse



A total lunar eclipse is well positioned for all the United States in April, but most people will have to set their alarms for the middle of the night to see it. The moon passes into the shadow of Earth and takes on a reddish

hue overnight from April 14 to 15. The far northeastern US will see the eclipse at moonset, but for the rest of the continental US, the whole eclipse is visible. The partial phase, as our shadow begins to cover up the brightness of the full moon and then gives it back, lasts for about an hour on either side of the total phase. Totality for the Central time zone begins at 2:07 a.m. CDT and ends at 3:25 a.m. CDT, and for Mountain time is from 1:07 a.m. to 2:25 a.m. Pacific time has to wait until just after midnight, from 12:07 a.m. to 1:25 a.m. The moon officially reaches full phase during the eclipse on April 15 at 2:42 a.m. CDT.

An annular solar eclipse follows a few weeks later, on April 29; however, as it occurs over Antarctica, it will go largely unseen by humans.

## Chips Off The Outcrop

*By Bruce Hurley*

Fall/Winter jumped on the Pacific Northwest far too early in 2013, and by the first of March looked like it might never quit. But then a remarkable thing happened. Mother Nature gave Winter the boot in about a week, and launched one of the nicer springs in memory. Maybe even "global warming" has its up side.

Enter the Panorama Gem and Mineral Club Field Trip Committee, right on time. This year the club has six independent trips scheduled, beginning with a visit to the Oroville area for selenite gypsum on April 19 (meet at Kettle Falls Harvest Foods 7AM). I encourage as many members as possible to take part in these trips, as the trip committee has worked hard in planning them, and participation in the trips is valuable not only for individual attendees but also the club as a whole. Like setting up for and putting displays in at the annual show, field trips develop a stronger, more knowledgeable club,

and build better personal ties between its members.

So, the next time you look outside and think about what a nice day it is, be sure to check the Panorama field trip schedule, to use the great weather to its full advantage.

## Occupy Idaho Waters



**OCCUPY IDAHO WATERS:**  
**Dredge-In Event!**

**JOIN US IN TAKING BACK OUR MINING RIGHTS!**

**WE NEED YOU THERE! IDAHO MINING WILL BE LOST WITHOUT YOUR HELP!**

**NO EPA PERMIT REQUIRED**

**LET'S MAKE IT KNOWN THAT WE DO NOT AGREE WITH THIS NEW PERMITTING PROCESS!**

Contact: [pubidaho@idahoassociation@gmail.com](mailto:pubidaho@idahoassociation@gmail.com) for more info!

**COME ONE DAY OR COME ALL WEEK!**

**ALL OUTDOOR ENTHUSIASTS ARE WELCOME:** We encourage you to bring your family and get your atv, fishing, boating, and rafting friends to join this event as well.

**JOIN US ON OPENING DAY: MONDAY, JUNE 30<sup>TH</sup> THROUGH SUNDAY, JULY 6<sup>TH</sup> IN RIGGINS, ID!**  
HOSTED IN PART BY: Lt. Gov. Candidate, TIM CHEMELIK, South West Idaho Mining Assoc.

Defend Rural America

You may or may not have heard that Idaho dredge mining is at risk because of the new "permit" that is being placed upon miners by the EPA. There is actually another permit that is in the works for highbanking as well. With astronomical fines and possible jail time, the EPA is forcing us to either work on the creeks that they allow through their permit (which are all NON gold bearing) or Not work use our equipment at all. We think this is unfair and unjust. When we ask questions, we get no answers and when we approach the EPA via telephone, we get the "hold" status or the "dropped line" status.

So to make a long story short, we the people, have taken matters into our own hands. I have attached a flyer for our "Occupy Idaho Waters" event. Yes, we are CIVILLY protesting the legislators decision to ignore our bills in the house and will be gathering for a FUN, FAMILY ORIENTED, and gold getting time.

S.W.I.M.A. Chair: John Crossman  
[www.DefendRuralAmerica.com](http://www.DefendRuralAmerica.com)

**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: [www.panoramagem.com](http://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).

**Field Trips Begin**

The program for the next meeting is on **Mt. St. Helens**.

Our first field trip this year to Oroville for selenite meets at Harvest Foods in Kettle Falls at 7AM on April 19<sup>th</sup>.

If you have your name marked in yellow on the envelope, we are not showing that your dues have been paid for 2014. This may be your last newsletter.

**Martell's Rock Shop**

2 Baxter Lane  
Kettle Falls, WA 99141  
509-738-3041  
509-675-0390  
[bkmartell@hotmail.com](mailto:bkmartell@hotmail.com)



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Toll Free 877-935-2633  
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**Mineral Identification**  
Mineral/Mine Locations

**Bristow Enterprises**  
PO Box 1165  
Chewelah, WA 99109  
[Bristow@theofficenet.com](mailto:Bristow@theofficenet.com)

[mineralsoftware.com](http://mineralsoftware.com)

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

**Panorama Gem and Mineral Club: Organizational Chart**

<b>Officers:</b>			
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:	Anni Sebright	POB 293, Clayton, WA 99110	509-276-2693
Treasurer:	Johnie Pitman	701 B Williams Lake Rd, Colville, WA 99114	684-8887
Trustee 1:	Bill Sebright	POB 293, Clayton, WA 99110	509-276-2693
Trustee 2:	Bill Lupton	2530 Six Mile Rd	509-935-6198
Trustee 3:	Becky Dobbs	968 Phillpott Rd, Colville, WA 99114	
<b>Committee Chairs</b>			
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
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