

Place:
Arden Community Hall
636 Hall Rd
Arden, WA



Club Meetings:
Third Tuesday of the Month
Time: 6:00PM

The Panorama Prospector

October 2019

PANORAMA GEM AND MINERAL CLUB

September 17, 2019 Meeting

By Sheila Stratton

The meeting was opened at 6:00 p.m. by President Rick McDougald. A warm welcome was given to Mr. and Mrs. Randy Anderson. Randy was invited to the club meeting to give a presentation called "The Economic Geologist." He is a geologist working the Lucky Friday Mine. The Lucky Friday Mine contains silver, lead, and zinc. It contains a vein of galena that is 100' by 46". It consists a silver shaft, raised mining, and drift mining. An applause and thank you was given to Randy for his very informative presentation with slides on the production of a current working mine. (Mr. Anderson gave the presentation at the beginning of the meeting due to the long distance of driving home.)

After presentation, refreshments were served; silent auction and door-prize drawing were held.

Rick now opens the meeting for discussion of club business. The November auction was brought up that there is a need for everyone to donate something to the auction. Brian Martell mentioned that one year he brought household goods to the auction. Rick suggested bringing coins. And it was mentioned to bring "money" to spend at the auction.

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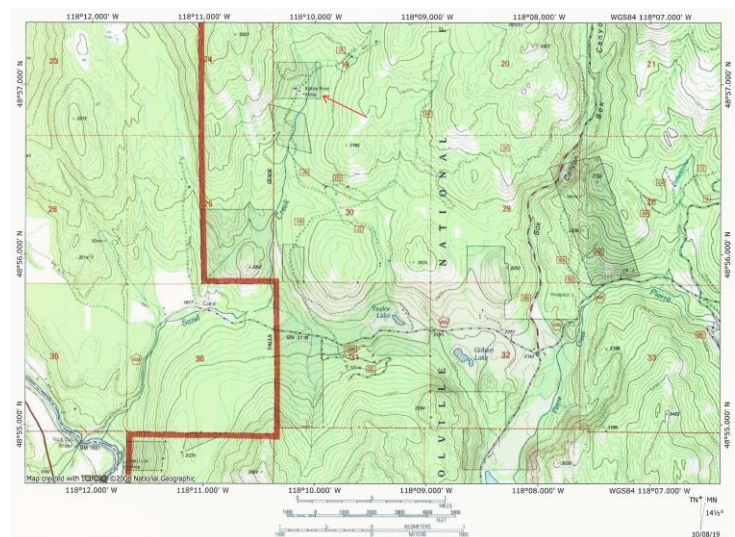
Kettle River Mine Trip

By Jim Retzer

Photos By Deborah Danielson

Last month a group of members headed to northern Stevens county looking for samples of calcopyrite, azurite, chrysocolla, and malichite in the area of the Kettle River Mine. The group had fun finding many samples with Deborah Danielson finding a great sample of chalcopyrite. A large wall of host rock with azurite staining was located that yield good display samples but nothing of high enough quality for lapidary work.

The Kettle River mine (also known as the White Elephant mine), is located in the southwest ¼ of Section 19, T40N, R37E. This is NNE of Orient, Washington.

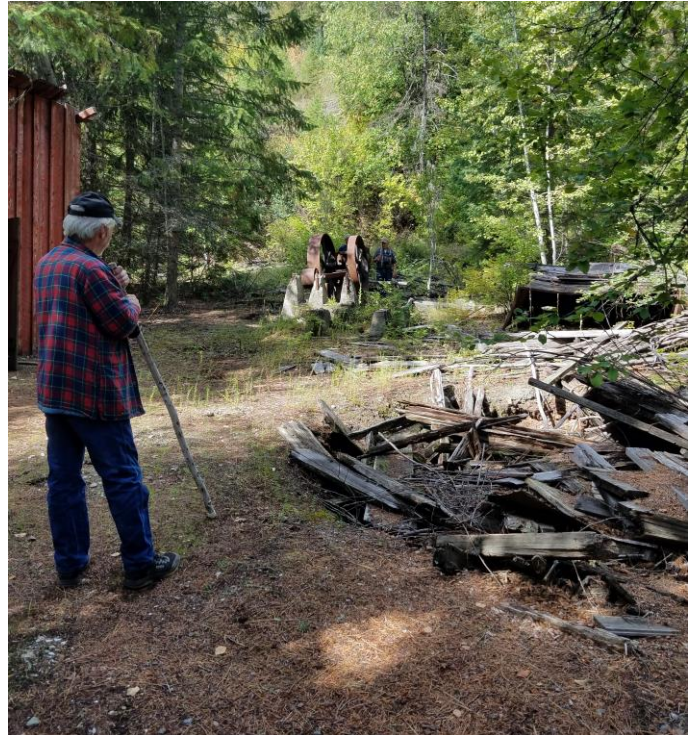


According to *Discovering Washington's Historic Mines* "this location is made up of six unpatented claims: Kettle River, Rossland Mountain, Golden Cycle, Golden Triangle, Little Tiger, and Little Penny. Orient Gold Mines, Limited held the claims from 1915 until 1918, when they were picked up by the Orient Golden Rock Mining Company, which had them until 1922. The Kettle River Gold Mining Company had the site from 1934 until 1941. A mineralized zone in limestone has been developed by a 225-foot shaft, with an 85-foot crosscut, and 110 feet of drifting on the 100 level. In addition, 50 feet of crosscutting and 50 feet of drifting were done on the 200 level."

The ore mined is composed of pyrite with waste material consisting primarily of quartz. The host rock in this area is quartzite. The primary commodities were Copper, Gold, and Silver with an assay of \$7.00 of Gold per ton.



Mark Danielson Checking Out One of the Adits



Scott Jackson Looking Over Some of the Remaining Structures.



The Group at The Kettle River Mine



Some of the Abondand Equipment Around the Mine Site

Rick's Ramblings October 2019 A Few Words from the Club President

Be sure to check our EVENTS page on our website, panoramagem.com/events, for current field trips.

9-18-19 to 9-24-19 McDermitt trip was a success.

Thank you, Jim Retzer, for offering cabochon training. It's fun! Take advantage of it soon!

PGMC Officer Election: Thank you to Deborah Danielson and Sheila Stratton for volunteering for the Nominating Committee and working to fill the empty seats. They have, except for one: the President. In October, the nominations will be announced. The elections will be held in November before the auction.

This year's auction will be fun. You can help by thinking of a donation ...

This month's entertainment will be: Flood Basalts of the Pacific Northwest - Nick Zenter

Upcoming Events in Our Area

10/18/2019 10/20/2019

Hells Canyon Gem Club, NW Federation of Mineralogical Societies Annual Convention

Nez Perce County Fair Building
1229 Burrell Avenue, Lewiston, Id

10/26/2019 10/27/2019

Clackamette Mineral & Gem Club 55th Annual Rock & Mineral Show

Clackamas County Fairgrounds
694 NE 4th Ave. Canby, OR.

10/26/2019 10/27/2019

Bellevue Rock & Gem Show

Vasa Park, 3560 West Lake Sammamish Blvd SE,
Bellevue, Washington 98008

11/09/2019 11/10/2019

Maplewood Rock & Gem Club November Show

Maplewood Rock & Gem Clubhouse, 8802 196th St.,
Edmonds, Washington 98026

11/09/2019 11/10/2019

Skagit Rock & Gem Club Show

Sedro Woolley Community Center, 703 Pacific St.,
Sedro-Woolley, Washington 98284

11/15/2019 11/17/2019

International Gem and Jewelry Show Seattle

Seattle Center, 305 Harrison St, Seattle, Washington
98109

11/16/2019 11/17/2019

Crystallography Gem & Mineral Market - Shoreline

Shoreline Community College (Student Union Bldg /
#9000), 16101 Greenwood Ave N, Shoreline,
Washington 98133

11/23/2019 11/24/2019

Kitsap Mineral and Gem Society

The President's Hall
1200 NW Fairgrounds Road Bremerton, WA

Meeting Minutes

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Sharon Borgford said someone told her about a mammoth molar that they knew someone had and she is very interested in finding out who this person is. If anyone has any information, please contact Sharon.

Greg Cozza mentioned he has a friend that has equipment for sale. Let Greg or Scott know if you are interested.

Rick now turns the meeting over to new business. He talks about it being the election season and the need for a nominating committee. He asked for hands of people interested in being on the nominating committee and only two hands were raised. Deborah Danielson and Sheila Stratton volunteered.

The following are the positions in the club that need to be filled:

1. Hospitality: Need to be here early, start coffee, and put food on the table. Everybody helps.
2. Door Prize
3. President
4. Two Trustee openings

It was then mentioned that there is an upcoming outing to McDermott that is scheduled to leave Wednesday, September 18th. We will look forward to a report on their findings.

Deborah talked about an outing where a few club members led by Bob Bristow went to the Kettle Falls Mine up by Orient. The first stop was a blue wall that also contained chalcopyrite. Deborah shared a sample she picked up. Also, samples were obtained from this area of a blue rock that is either Azurite or Chrysocolla.

Meeting Minutes

Continued

On another stop, malachite was found. There was also some very interesting old buildings and mine equipment. If anyone is interested in going up in that area, see Bob Bristow or Deborah Danielson for maps.

Bob Bristow shared that one of the “Show & Tell” rocks is Uledite from Arizona.

Dale Hall shared about a TV show called “Turquoise Fever” that is aired on Wednesday evenings. He said it is very interesting.

At this time, the meeting was adjourned.

Identify the “Rock or Mineral”

Last month’s rock or mineral:



Rhodonite - Rhodonite is a manganese inosilicate (Mn^{2+} , Fe^{2+} , Mg , Ca) SiO_3 and is usually found in metamorphic rocks associated with other manganese minerals. It is usually massive to granular in occurrence. Rarely, it is found as red triclinic crystals. Rhodonite’s diagnostic properties are its

pink to red color, hardness 5.5-6.5, high specific gravity 3.5-3.7, perfect cleavage, and its close association with black manganese oxides, It is sometimes confused with rhodochrosite, which is softer and effervescent in hydrochloric acid, or thulite, which is usually not associated with black manganese oxides.

Good massive pink to red colored material is used as an ornamental stone or gem rough. It is typically used to make cabochons, beads, small sculptures, tumbled stones, and other lapidary projects.

It can be challenging to polish because the manganese oxide often has a hardness that is different from the rhodonite. This results in overcutting of one material and undercutting of the other.

There are two rhodonite deposit locations in Washington State mentioned in Lanny Ream's book *Gems and Minerals of Washington – 1990*, both locations are in Skagit County. The first is found on Mt. Higgins, east of Mount Vernon. Access is difficult as it is located on private timber land and reached by old logging roads. The second is an excellent deposit near Split Rock located between two small lakes on the north side of private forest roads accessible from Lake Cavanaugh.

This month's rock or mineral:



Imaged by Heritage Auctions, HA.com



Imaged by Heritage Auctions, HA.com

Hint: It's Fluorescent and can be found in Washington State.

Lapidary and Jewelry Instruction

Are you interested in learning cabochon cutting or basic silver and jewelry work? I am offering my time to help you out. The instruction is free, and I will supply the cabochon material unless you have something specific you want to cut. If you are interested in jewelry or silver work contact me for information. I like to keep the instruction to no more than 2 people at a time and I am available most any time except Tuesdays and Fridays. You can contact me at **559-738-2593** or by e-mail at **Jimrocks@recycledhistory.com**.

Sunnyside Mammoth Molar

After my Eastern Washington Mammoth presentation during the April club meeting, numerous people talked with me. I am not able to remember each person who did, and one of you mentioned a mammoth tooth that a friend brought to his elementary school show and tell. If it was you, would you be so kind as to contact me again at my phone 509-684-5312 or at the email listed in the club directory. Thanks!
Sharon Borgford

Membership Dues:

\$20.00 per **household** per year is due to the **club Treasurer** Frank Stratton on the third Tuesday of November for regular members. Dues can also be sent to: Panorama Gem and Mineral Club c/o Johnie Pitman, 701 B Williams Lake Rd, Colville, WA 991114.

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

Contact: Rick McDougald, President, pres-pgmc@hotmail.com

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).

If you have any particular interest you would like to see articles on feel free to contact me at jimrocks@recycledhistory.com or let me know at our next meeting on **Aug 20, 2019**

Refreshment Schedule for 2019

Last names that begin with the letters posted bring refreshments for that month

January – N, O, P
February – Q, R, S, T
March – W, A, B, C
April – D, E, F, G
May – H, I, J
June – K, L, M
July – N, O, P
August – Club Picnic
September – Q, R, S, T
October – W, A, B, C
November – D, E, F, G
December – Christmas Party

Panorama Gem and Mineral Club: Organizational Chart

Officers

President:	Rick McDougald	Pres-pgmc@hotmail.com	
Vice-President:	Bob Bristow	Bristow@theofficenet.com	509-935-4375
Secretary:	Sheila Stratton	skstratton11@gmail.com	509-207-8506
Treasurer:	Frank Stratton	frstratton@outlook.com	509-207-8503
Trustee 1:	Sherryl Sinn	sherrylsinn@gmail.com	509-684-6093
Trustee 2:	Dennis Gibbens	dddgibbens@yahoo.com	509-684-3532
Trustee 3:	Jim Peters	jimnbetty17@gmail.com	509-937-2238

Committee Chairs

Program Coordinator:			
Hospitality:	Sherryl Sinn	sherrylsinn@gmail.com	509-684-6093
Printer:	Joe Barreca	joe.barreca@gmail.com	509-680-6357
Newsletter:	Jim Retzer	Jimrocks@recycledhistory.com	509-738-2503
Show Chair	Johnie Pitman	jgpitman@wildblue.net	509-684-8887