

Place:
Arden Community Hall
636 Hall Rd
Arden, WA



Club Meetings:
Third Tuesday of The
Month at 6:00PM

The Panorama Prospector

September 2021

PANORAMA GEM AND MINERAL CLUB

August 17, 2021 Meeting Minutes

By Johnie Pitman

The August meeting was all about the annual picnic (indoor picnic due to rain and smoke) and scholarship fund auction. There was no official business meeting because President Sheila Stratton and Frank were quarantined. Some of us met a little early to set up the auction tables and organize the food so we could eat at 6:00. The food was fantastic thanks to everyone's contributions and special touches like cookies that looked like rocks. Thanks to Greg and Barb Cozza for their work getting the auction items labeled and numbered so the auction could go smoother. Also, thanks to Brian Martell for being the auctioneer and doing a good job of keeping thing moving smoothly and getting good prices for each item. Thanks also to Daniel Lundy for help spotting and Grace and Greg Lundy for doing a lot of the leg work. Thanks to everyone's participation and contribution to the scholarship fund, especially Gene Fisher for his purchase of the globe then donating it back to be auctioned again. Most of the auction items were donated by Suzan Andrew and Bruce Hurley.

We were finished about 8:30.

Club Display at Northeast Washington Fair

By Jim Retzer



Johnie Pitman arranged for the club to have a small display at the Northeast Washington Fair in Colville, WA last month. We would like to thank him for his work and coordination in making this happen in a noticeably short time (he put this together in about 2 weeks). We would also like to thank those who loaned items for the display showing club members interests and collections. This is the first time we have done a display at the fair but hope it will not be our last.



We had a small table but with the help of our club members we were able to make an encompassing display. Hopefully in the future we will be able to have a larger area for a more diverse display.



Scot Jackson's Sphere, Jim Peters Specimens, and Johnie Pitman's "Outhouse."



Fossils from Johnie Pitman's Collection, Cabochons and Jewelry from Jim Retzer, Thunder Eggs and Geode also from Jim Retzer, Large Garnet, and Iron Pyrite from Jim Peters.



Mineral Specimens from Jim Peters and Johnie Pitman's Collections with a Noble Serpentine Sphere from Scot Jackson

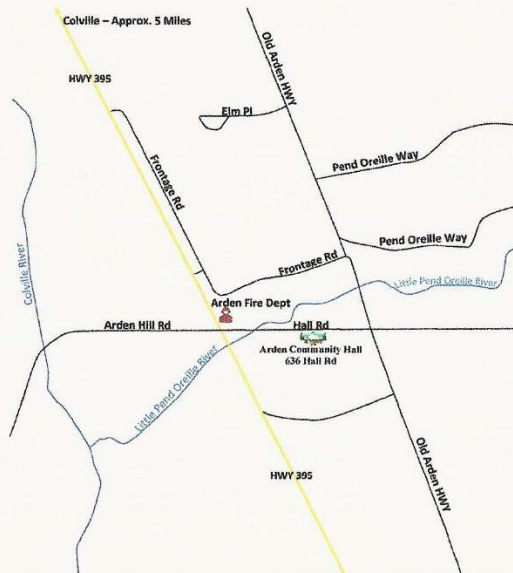


The Display's Sign Reads:

"Our club is a gathering place for people that share a passion in rockhounding, mineral collection, geology, fossil collecting, as well as lapidary and jewelry arts. Our members include a wide range of knowledgeable people with backgrounds in these areas as well as professionals and subject matter experts in a wide variety of gem and mineral related topics.

This display is a sampling of our members interests and collections."

Below is the club brochure that was handed out at the Northeast Washington Fair in Colville, WA. I produced one hundred of them and about thirty were given out at the fair. I have the remaining brochures on-hand and I can produce more as needed. This brochure was a quick design and could use some changing, so if any of you have any ideas on how we can improve this please e-mail me at Jim@recycledhistory.com.



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For further information
contact: Sheila Stratton,
Club President
E-mail: skstratton@hotmail.com
Phone: (509) 207-8506

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).

Back and Front of the Brochure

PANORAMA GEM AND MINERAL CLUB

Our club is a gathering place for people that share a passion in rockhounding, mineral collecting, geology, fossil collecting, as well as lapidary and jewelry arts. Our members include a wide range of knowledgeable people with backgrounds in these areas as well as professionals and subject matter experts in a wide variety of gem and mineral related topics.

Our meetings consist of a brief routine business discussion followed by a break for refreshments and socializing before an educational program covering some aspect of our hobby or a related topic. These meetings are a great place to share information and learn from those with extensive experience. The meetings often have a raffle with prizes donated by our members. A silent auction is also held during the refreshment break with the proceeds going to the club's scholarship fund.

The gem and mineral club was founded in 1996 by two fellows that met in a barber shop in Kettle Falls. They put an ad in the paper to see if anyone else was interested and we've been having fun every since. The club has field trips in the summer and an annual rock show every year in March. This year (2022) it will be Friday and Saturday of the second week end. We also have activities to raise money for scholarships. In the club's twenty plus years we have given out about \$60,000 dollars to students from Colville, Chewelah, and Kettle Falls.

A monthly newsletter, with highly informative articles as well as information about field trips and events in our area, is provided to all members every month. This newsletter is also available on the club's web site, panoramagem.com, in a PDF format.

Inside of the Brochure

Identify the “Rock or Mineral”

Last month's rock or mineral:



Chalcopyrite: It is a brass-yellow mineral with a chemical composition of CuFeS_2 . It occurs in most sulfide mineral deposits throughout the world and has been the most important ore of copper for thousands of years. It crystallizes in the tetragonal system and has a hardness of 3.5 to 4 on the Mohs scale. It has a specific gravity ranges between 4.1 and 4.3. Its streak is diagnostic as green tinged black. The mineral in the purest form contains 34.5% Cu, 30.5% Fe, and 35.0% S.

When exposed to air it tarnishes to a dull, gray-green color, but in the presence of acids the tarnish can develop a red to blue to purple iridescence. The iridescent colors of weathered chalcopyrite attract attention. Some souvenir shops sell chalcopyrite that has been treated with acid as "peacock ore." "Peacock ore" is a more appropriate name for the mineral bornite.

Chalcopyrite oxidizes to a variety of oxides, hydroxides, and sulfates. Associated copper minerals include the sulfides bornite (Cu_5FeS_4), chalcocite (Cu_2S), covellite (CuS), digenite (Cu_9S_5); carbonates such as malachite and azurite, and rarely oxides such as cuprite (Cu_2O). It is rarely found with native

copper (it is the uncombined form of copper which occurs as a natural mineral).

Chalcopyrite is often confused with pyrite and gold since all three of these minerals have a yellowish color and a metallic luster. Some important mineral characteristics that help distinguish these minerals are hardness and streak. Chalcopyrite is much softer than pyrite and can be scratched with a knife, whereas pyrite cannot be scratched by a knife. However, chalcopyrite is harder than gold, which, if pure, can be scratched by copper. Chalcopyrite has a distinctive black streak with green flecks in it. Pyrite has a black streak and gold has a yellow streak.

This month's rock or mineral



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
rick-pgmc@hotmail.com

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A Quick Note from The Editor

The restrictions put in place because of the Covid Virus have interrupted and changed many of the club and members plans.

This has resulted in the modification of our club meetings and club activities until further notice.

It is hoped we can resume a somewhat normal schedule of events soon, but until then stay healthy and safe.

Refreshment Schedule for 2021

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:	Sheila Stratton	skstratton@hotmail.com	509-207-8506
Vice-President:	Bob Bristow	bristow71@outlook.com	509-935-4375
Secretary:			
Treasurer:	Frank Stratton	frstratton@outlook.com	509-207-8503
Trustee 1:	Jim Peters	jimNbetty17@gmail.com	509-999-9074
Trustee 2:			
Trustee 3:	Greg Cozza	troller@hotmail.com	509-710-0375

Committee Chairs

Program Coordinator:	Sheila Stratton	skstratton@hotmail.com	509-207-8506
Hospitality:	Betty Peters	jimNbetty17@gmail.com	509-999-9074
Historian:			
Newsletter:	Jim Retzer	jimrocks@recycledhistory.com	509-738-2503
Show Chair	Johnie Pitman	jgpitman@outlook.com	509-684-8887