

Place:
Arden Community Hall
636 Hall Rd
Arden, WA



Third Tuesday of the Month
Time:
April – September
7:00 PM
October – March & August
6:00 PM

The Panorama Prospector

January 2019

PANORAMA GEM AND MINERAL CLUB Minutes of the November & December Meetings

November 20, 2018

The meeting was opened by Bob Bristol. There was no Secretarial report but a report was given by Frank Stratton, Treasurer.

The meeting then proceeded to the election of officers for the year of 2019. The nominating committee submitted the following:

President:	Rick McDougald
Vice President:	Bob Bristol
Secretary:	Sheila Stratton
Treasurer:	Frank Stratton
New Trustee:	Jim Peters

All of the nominees were unanimously voted in to serve for the year of 2019.

Bob reported that Johnie Pitman said he will be chairman of the rock show but that he needs volunteers to assist him in setting up and running of the show.

A report was given on the success of the Bingo that was held to support the Arden Community Center.

Sherryl asked that people please sign up for the Christmas Potluck being held in the December meeting.

Continued Page 3

In July 2018 the Panorama Gem & Mineral Club, along with guest from the Spokane Rock Rollers club, took a trip to the Metaline Trilobite beds. Since then Bruce Hurley contributed this in-depth information about the trilobite fossils found there.

METALINE FORMATION TRILOBITES

By Bruce Hurley

The Metaline Formation of northeastern Washington hosts a number of different trilobites, ancient ancestors of the horseshoe crab. These marine arthropods lived in the ancient seas over five hundred million years ago. Below are photographs of some specimens found in a quarry near Metaline Falls, and some guesses about their genus and species.



Probably the most common trilobites in the Metaline Formation are small creatures from the genus *Elrathia*. Both the *cordillera* and *longiceps* species are fairly abundant; the specimen above is likely an *Elrathia longiceps*.



Some of the larger trilobites found in northeastern Washington are from the genus *Ogygospis*, shown above. Parts of the hard exoskeleton of this trilobite are very common, especially the tail portion, known as the pygidium, shown below.



The head and middle portions, called the cephalon and thorax, are also found, but are less abundant, probably because they are more fragile and did not often survive to be fossilized. The distinct three parts or lobes of their shell is the reason these animals were named trilobites, for three-lobed creature.



The trilobite shown above has some interesting features. It resembles the *Elrathia* genus present in the Metaline Formation, but has considerably more pleura (segments) in its thorax and is larger and more rounded. This one has also been slightly distorted, when the rock in which it was fossilized was “stretched” during the building of the Rocky Mountains. As for the genus of this trilobite, that is still undetermined.

Many of the fossils at the quarry show even more deformation than the specimen above. The trilobite below, likely also an *Ogygospis* species, has been so stretched in its long dimension that it almost resembles a cigar.



While fossils, which have been distorted, are perhaps not aesthetically attractive, they can reveal a great deal of information about the intensity of the deformation of this ancient limestone. By knowing the original shape of an undeformed trilobite, the amount of force required to stretch it to this extent can fairly accurately determined. Because of these deformed fossils, the quarry near Metaline Falls is a well-known locality to structural geologists, from around the world.

Johnie's Jabber Some Words From The Club President

By: Johnie Pitman

A big thank you to Sherry Bamberger for her donation of tumbling material to the club. Thirteen 15-gallon drums each about half full of small rocks, approximately 1,000 pounds.

Thanks to Bev Bockman for her donation of grab bags, and rocks in some of them.

Wow!! What a Christmas Party it was. The food was wonderful; so much effort went in to preparing it, and consuming it. The gift exchange was fun too.

O.K. it's time to start planning for the show so be thinking about the activities and how you can help. Rick and I will hand out planning sheet with a list of jobs. I don't think we need to meet any earlier than normal, 6:00 Jan. 15, 2019.

We have 22 cases to fill with displays, please consider filling one or more. The items in the cases will need to be labeled with any information that you know, like what it is and where it came from.

Next month we will be starting a series on how to set up a home lapidary shop. It will be based on the shop setup by the Danielsons this last summer. I know a lot of people do not have the amount of room utilized by the Danielson's shop so we will include ideas on how to scale down the operation as well as various equipment options.

Do you have a particular interest or is there something you would like to see the club present. Let us know we are always looking for fresh ideas.

Meeting Minutes

Continued From Page 1

The November auction was held and led by Brian Martell and Daniel Lundy. There was a surprising amount of items that were donated to be auctioned off. It turned out to be a very successful auction. A total of \$2,261.00 was made from the sale of items.



December 18, 2018

It turned out to be a beautiful December evening so we had a great turnout for the Christmas Party. As usual, members of the club held up to their standard of providing a wonderful potluck dinner.

After eating dinner, Frank and Johnie presented Gene Fisher with a check for \$2,861.00 to go toward the purchase of the trailer to store and transport the show equipment.

We then had the gift exchange which was great fun and everybody participated in the fun. It was a wonderful way to end the year with great fun amongst fellow rock hounders but most of all great friends!

Membership Dues:

\$20.00 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: 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).

January 2019 Meeting 6 PM

Another year has past and it is now time to start a new year. We are looking forward to some quality time with our fellow gem, mineral and fossil collectors / rockhounds / lapidariest / and others just interested in outdoor enjoyment. We hope to have many enjoyable outings and are looking forward to another wonderful show.

Hope to see you all at the meeting so we can get this New Year off to a great start.

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		509-935-4375
Secretary:	Sheila Stratton	skstratton11@gmail.com	909-228-0546
Treasurer:	Frank Stratton	frspi@msn.com	909-228-0546
Trustee 1:	Sherryl Sinn	sherrylsinn@gmail.com	509-684-6093
Trustee 2:	Gene Fisher		509-684-8546
Trustee 3:	Dennis Gibbens	dddgibbens@yahoo.com	509-684-3532

Committee Chairs

Program Coordinator:	Bev Bockman		208-773-5384
Hospitality:	Sherryl Sinn	sherrylsinn@gmail.com	509-684-6093
Club Shop:	Gene Fisher	295 Gold Creek Loop Rd, Colville, WA 99114	509-684-8546
Historian:	Carol Price		509-684-2857
Newsletter:	Jim Retzer	Jimrocks@recycledhistory.com	509-738-2503
Show Chair	Johnie Pitman	jgpitman@wildblue.net	509-684-8887