

## Bellevue Rock Club Meeting Minutes 7 February 2023

Aldersgate Methodist Church, Bellevue, WA

The meeting was called to order by President Bobbi Premo at 7:00 pm. There were 16 persons attending. One guest: Tiffany Rowland. New members are Brisa Gao, and her father Yi Gao; and Cameron Hawkins. Glad to have you on board!

Secretary's Report – The January 2023 meeting minutes were read and approved.

Treasurer Report – Treasurer reported on the club's finances. The amount of \$270 for Insurance for the club was paid.

Old Business – Majority of discussion was re: the upcoming E KingCo Rock Show on March 4-5, with set up on Fri, March 3, and take-down on Sunday after show closes. Pam and Gary Cantrell have volunteered to pick up and return the E KingCo trailer to Bothell. Those offering to help at the show are: Craig Duncan, Art & Sharon Storbo, Bill Engstrom, John Bono, David Arnfinrud, Bobbi Premo, Veda DePaepe, and a few others. Jackie Hughes explained how the rock show works for the new members. Cameron Hawkins will help set up. Time frame: 2-8 pm set-up, Fri, 2 Mar; show 10-6, Sat, 3 Mar; show 10-5, Sun, 4 Mar; take-down 5-8 pm after show closes at 5 pm.

New Business – No new business to discuss.

Field Trips – Veda DePaepe checked the WA State Mineral Council's website, then Wagonmasters branch of the WSMC. She found they were planning a trip in February.

Door Prizes – Emery Bayley, Sharon Storbo, Tiffany Rowland, Bill Engstrom,

Show and Tell –**Bobbi Premo** had beautiful polished and raw Yellow Hill jasper from eastern WA, near Teanaway, which is a jasper and quartz in clay. **Julie Engstrom** brought a number of rocks that had what looked like 'stylized terrier' dog shapes in them. **David Bernoudy** brought one of his wonderful necklace creations, this one, Ellensburg blue in matrix, wrapped with a process of attaching gold to silver. **Sharon Storbo** showed a piece of Aragonite from Aragon Province, about 3 hours NE of Madrid, Spain where she purchased it. Guest Tiffany Rowland delighted us with her grandmother's "potato rock" (quartzite), that really looked like a large russet potato (one would not be sinking their teeth into this beauty). **Emery Bayley** had a piece of vitrified volcanic ash (formed under pressure) that is from volcanic activity about 30 mya,

Treats – Thanks Bobbi Premo for our break time treats! Sharon Storbo has March duty.

Gotta Have It auction table – the main feature tonight was the Yellow Hill jasper.

Tonight's viewing was a DVD program on Microcrystalline Silica presented by Marcos Campos-Venuti at the 2016 Agate Expo.

**Chalcedony** is a broad term to describe a microcrystalline form of silica. **Agate** is any type of chalcedony which is translucent, while **jasper** is any type of chalcedony which is opaque.

There are 4 classes of Jasper:

1. Oceanic Jasper – organogenic opal which is an amorphous quartz of silica anhydride. Example: (snowflake jasper, a variant of poppy jasper), often mis-named as snowflake obsidian – a glass that lacks a crystalline structure.
2. Volcanic Jasper – volcanic rocks (made of ash and tuff).
3. Jasper on fossils – fossils. Kambaba jasper is fossilized blue/green algae.
4. Chemical jaspers – are directly precipitated which consist of laminated jaspers and jasp-agates with a mixed cavity. Secondary are orbled and brecciated jaspers. Examples are: Biggs jasper, zebra jasper, cobra jasper.

Red Top agate (chalcedony)/jasper beds in Kittitas County. This jasper is linear, fibrous and anhydrous.

Polymers which can go 'backwards' and be fluid are the basis of many minerals, quartz being one of them which cannot return to a fluid state.

Polypropylene as a concretion has two forms; nodular and cavity filling, as well as having the 'same' structure as chalcedony.

Marcos used a coconut as an example, showing how 'bands' would form. Water cancels the act of polymerization. Some nodules have had a horizontal flow which collapses vertically into stalactites, as well as concentric banding which has collapsed and become linear banding.

There are fortification agates; convoluted banding which isn't reflected on the outside of the rock; each band is a 'one' year span as influenced by a dry and a wet season.

Moss agates are a globular chalcedony and exhibit no fibrous chalcedony.

Lace agate looks similar to banded but isn't. It is associated with gold or silver deposits and are usually 'mined', not rockhounded. The origin of lace agate is a salt lake with heat. It is also associated with amethyst or aragonite beds.

Flint is an organic opal. Opal can become chalcedony, but chalcedony cannot return to being an 'opal'.

Chalcedony can become a jasper, but jasper cannot reverse back to chalcedony.

Jasper is usually laminated from the bottom up and chalcedony usually forms on the walls and top of the cavity and drips down creating stalactites, even within the stone.

Meeting adjourned at 9:00 pm. Submitted by Sharon Storbo, recording secretary