



Lake City Rockhound News

Newsletter of the North Idaho Mineral Club, Inc.
P.O. Box 1643 Hayden, ID 83835

December, 2016
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We meet on the 3rd Thursday of the month at the Lake City Center, 1916 Lakewood Drive, Coeur d'Alene in the Library, from 6:00PM to 8:00 PM. Visitors and Guests are Welcome.
Our web site: <http://www.northidahomineralclub.com>

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This Month's Meeting



No Regular Meeting

Christmas get-together at the Golden Corral on December 15

Be there by 5:30 and mention you are joining the group in the back dining room

The scholarship drawing will take place.
Buy your tickets at the get-together.

November 2016 Meeting Minutes

Meeting called to order by President Dale Rupert. The Pledge was recited.

There are 24 members present and 5 guests.

Carl Chapin, treasurer, gave his report. Carl also checked into changing banks. It has been narrowed down to Numerica Credit Union or Potlatch Credit Union. After some discussion, Carl will check closer on rates and advise us of the choice in January.

OLD BUSINESS: None

NEW BUSINESS: None

Beverly Bockman called just before Mike and Diane Rose left to come to the meeting to advice: Bob was taken by ambulance to the Hospital (Kootenai Health) as she arrived home so they will not be at the meeting this evening. Update: Bob had an infection and with medication is doing fine. He is at home.

James Finckbone suggested we have a "looped" DVD playing during the show with seating to replace or in addition to demonstrations. Mike Burton said it was a "snap" to do. It will be considered by the Show Board. The silent auction of the last of Riley Collection, the

donated Cabochon/saw machine and the Facet machine will close in 30 minutes. We made \$967.95 with the whole auction.

NEXT MONTH Christmas Party at Golden Corral 5:30 P.M. in the Meeting Room in the BACK north east corner of the building. Hope to see everyone there. Watch for COUPONS in the paper. Don't forget to ask for Senior discount if it applies to you.

Meeting adjourned, Diane Rose, Secretary



Membership Dues for 2017

Don't forget to pay your membership dues for 2017. Dues are still the same low price of \$10 for a single membership and \$17.50 for a family.



Owhyee Jasper

Ron Gibbs, via MOROKS Newsletter February 2013

On the eastern side of Oregon there is a lake called Owyhee Lake, feed by a river with the same name. This area of Oregon is high desert country and contains an abundance of fine jaspers and agates. The various varieties of Owyhee

Jasper share a geographic region not a single locale.

There are many different looks to the Owyhee jaspers and they are not all found in the same spot, but all include Owyhee as part of their name. Not only does the Owyhee area jaspers produce the scenic variety, but it also produces artistic works reminiscent of Asian paintings, modern works of art, and strong abstract color patterns. Two



example of Owyhee scenic type jasper can be seen to the right, one happens to have a green sky, but Owyhee scenic also produces blue skies in some pieces. Mountains, valleys, and dunes are common scenic features, some with small dendritic plants or tree shapes.

Asian style design and paintings can often be found in the Owyhee Flower Jasper which, by the way, is also sold as Chinese Dendritic Jasper. This jasper is usually cream colored with red splotches, often connected with fine dendrites, and the red areas are often surrounded by pale green halos. The example shows warm, brown-red color zones connected by a fine series of dark lines

The Owyhee Sunset Jasper, has warmer colors, less details, but often shows us the world with a stylized sunset.

Last, but certainly not least is the Owyhee known as the Cherry Creek variety. This is my favorite type for its bright red color veining that is often surrounded by cream-yellow or even blue areas of color. Sometimes both in the same stone. It often contains fine dendrites and resembles strong abstract art. All of the Owyhee Jaspers appear to come from silicified mudstones or siltstones. They are very fine grained, uniformly hard, take a great polish, they are truly porcelain jaspers of the highest quality.



How to Avoid Haze on a Cabochon

by Bill White

From Rocky Mountain News 9/82

Yes, it is possible to cloud or haze a cabochon in the final polishing step. There are at least two reasons this happens. Some stones will haze under the influence of most polishing compounds due to their physical structure. These are usually soft materials below seven on the Mohs scale, such as obsidian, sodalite, malachite, variscite, etc. A good

rule of thumb is: any stone that will dull and haze when used in a ring or pendant will also do so during the polishing stages. When you run into one of these babies that just must be added to your personal collection, your best buy is to stay with diamond all the way. However, in most cases this problem occurs because of the person holding the dopstick. Improper sanding can leave a nip or fuzzy surface. A buildup of heat can create a flaw early in one of the sanding stages, scaling over and locking in the dull haze you are trying to overcome. This part of the problem can happen with most lapidary material. So avoid all heat buildup in your sanding operations. It's absolutely essential to have a clean stone before polishing.

Be certain extender fluid, soap, oily finger residue, etc., is removed. Any contaminates will mingle with the polishing agent and become part of the stone's surface. What should be a sparkling, flawless gem is cloudy and hazy and not an object of beauty. Only by going back and resanding to remove all traces of this microfilm can the problem be corrected.



In The Beginning

From Strata Gem Newsletter, 11/08

In the beginning, God created the Heavens and the Earth and populated the Earth with broccoli, cauliflower and spinach, green and yellow and red vegetables of all kinds, so man and woman would live long and healthy lives.

Then using God's great gifts, Satan created Ben and Jerry's Ice Cream and Krispy Creme Donuts. And Satan said, "You want chocolate with that?" And Man said, "Yes!" and Woman said, "And as long as you're at it, add some sprinkles." And they gained 10 pounds. And Satan smiled.

And God created the healthful yogurt that woman might keep the figure that man found so fair. And Satan brought forth white flour from the wheat and sugar from the cane and combined them. And woman went from size 6 to size 14.

So God said, "Try my fresh green salad." And Satan presented Thousand-Island Dressing, buttery croûtons and garlic toast on the side. And man and woman unfastened their belts following the repast.

God then said, "I have sent you heart healthy vegetables and olive oil in which to cook them." And Satan brought forth deep fried fish and chicken-fried steak so big it needed its own platter. And man gained more weight and

his cholesterol went through the roof. God then created a light, fluffy white cake, named it "Angel Food Cake," and said, "It is good." Satan then created chocolate cake and named it "Devil's Food."

God then brought forth running shoes so that His children might lose those extra pounds. And Satan gave cable TV with a remote control so man would not have to toil changing the channels. And man and woman laughed and cried before the flickering blue light and gained pounds.

Then God brought forth the potato, naturally low in fat and brimming with nutrition. And Satan peeled off the healthful skin and sliced the starchy center into chips and deep-fried them. And man gained pounds.

God then gave lean beef so that man might consume fewer calories and still satisfy his appetite. And Satan created McDonald's and its 99-cent double cheeseburger. Then he said, "You want fries with that?" And man replied, "Yes! And super-size them!" And Satan said, "It is good." And man went into cardiac arrest.

God sighed and created quadruple bypass surgery. Then Satan created HMOs



The Internet web site YouTube (<http://youtube.com/>) can provide you with many videos regarding our favorite hobby. Go to YouTube and search for "lapidary", "gems", "minerals", "rock tumbling" and even "prospecting" or "crystal prospecting". You will be astounded by the quantity of videos. Although many of them are poor, there are some real 'gems' in there.



The Beilby Layer

Author unknown, from Geolap News, Aug. 1997

What is the Beilby layer? It is a phenomenon that brings about a polished surface. Sir George Beilby discovered that during polishing the surface of gemstones actually melted and flowed as a "glassy" layer over very fine scratches. He proved it by noting a certain scratch pattern, polishing the surface, and then recovering the scratch pattern by etching away the polished surface with acids.

In 1937, a Mr. Finch, using another technique, confirmed

this finding. He reported that there were two types of polish: the Beilby flow and the surface that has such fine scratches that it appeared polished. The latter existed on those materials that were unable to flow in the Beilby manner.

The Beilby layer can occur in three ways. First as an amorphous layer much like glass, e.g., the polish on zircon and spinel.

Secondly, as an amorphous layer, but parallel to crystal planes and crystallizing again in these lines, e.g., calcite. In the third case, the layer forms by flowing but immediately crystallizes identically to the underlying material, e.g. quartz.

Distinguishing properties of the Beilby layer: It is very thin and usually slightly harder than the underlying material, probably due to packing of molecules by pressure.

There still remains some controversy over the existence of the Beilby Layer.

Some argue that the "flow" is not true melting, but rather a migration of molecules under pressure. Polish seems to be the result of a combination of temperature, polishing agent, and pressure, and varies from material to material.

But does it really matter, as long as we get a good polish?



Merry Christmas and Happy New Year



North Idaho Mineral Club
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First Class Mail

<p style="text-align: center;">NIMC Officers</p> <p>President: Dale Ruperd (208-664-2712) Vice-President: Corey Brenner (208-640-4743) Treasurer: Carl Chapin (208-772-9049) Secretary: Diane Rose (208-659-6173)</p> <p style="text-align: center;">Other Positions</p> <p>Show Chair 2017: Dale Ruperd/Dean Hutchinson Newsletter: Michael Burton (208-772-9347) Federation Director: Dale Ruperd Federation Delegate: Bill Johnson (208-765-3099) Webmaster: Michael Burton Programs/Membership: Bev Bockman (208-773-5384)</p> <p style="text-align: center;">Affiliations</p> <p>AFMS – American Federation of Mineralogical Societies NFMS – Northwest Federation of Mineralogical Societies S.C.R.I.B.E. ALAA – American Lands Access Association</p>	Gem Show Schedules			
	Feb 11-12	9:00-5:00 9:00-4:00	Whidbey Island Gem Club	Oak Harbor Sr. Ctr., 51 SE Jerome, Oak Harbor, WA
	Mar 11-12	10:00-5:00 10:00-4:00	Magic Valley Gem Club	Twin Falls Cty Frngds, 215 Fair Ave, Filer, ID
	Mar 24-26	10:00-6:00 10:00-6:00 10:00-4:00	Rock Rollers Club of Spokane, WA	Spokane Cty Fair & Expo Ctr, N. 604 Havana, Spokane, WA
	Mar 25-26	10:00-6:00 10:00-5:00	Mt. Baker Rock & Gem Club	Bloedel Donovan Comm Ctr, 2214 Electric Ave, Bellingham, WA
	Apr 7-9	9:00-6:00 10:00-6:00 10:00-4:00	Golden Spike Gem & Mineral Society	Golden Spike Ctr, Weber Cty Frngds 1000 N 1200 W, Ogden, UT
	Apr 8-9	9:00-6:00 10:00-6:00	Maplewood Rock & Gem Club	Maplewood Rock & Gem Clubhouse, 8802 196 th St SW, Edmonds, WA
	Apr 22-23	10:00-6:00 10:00-4:00	Yakima Rock & Mineral Club	Centrl WA St. Frngds, 1301 S. Fair Ave, Yakima, WA
	Apr 22-23	10:00-5:00 10:00-4:00	Lakeside Gem & Mineral Club	Benton County Fairgrounds, 1500 S. Oak, Kennewick, WA