



LAKE CITY ROCKHOUND NEWS
NORTH IDAHO MINERAL CLUB, INC
P.O. BOX 1643, HAYDEN, ID.

MAY 2015

MEETING AT LAKE CITY CENTER 1916 LAKEWOOD DRIVE 667-4628—IN LIBRARY
6 PM TO 8 PM, THIRD THURSDAY OF MONTH—VISITORS AND GUESTS WELCOME

REGULAR MEETING OF NORTH IDAHO MINERAL CLUB

MAY 21, 2015 6-8 PM

MEETING WILL FOCUS ON UPCOMING SHOW please attend if you can!!

SILENT AUCTION BY Bill Johnson

Refreshments by Tammy Madland and Joyce Kendra

THE SCHOLARSHIP DRAWING SCHEDULED for JUNE MEETING

Please buy your tickets to help a student at NIC —Goal, fall 2015

Bechtel Butte dig near Clarkia, ID.

Mike Austin told about the new claim, "Mint 11 B mine" owned by John_? on Bechtel Butte. Mike stated John is in the process of planning the access to the mine. He stated only Rock Club Members with valid Rock Club ID will be allowed to enter the mine. Times available to Clubs will be by appointment only. The mine will have specific guidelines that ALL must follow or the WHOLE club will not be allowed to return. The mine is guarded 24 hours a day with a locked gate at the entrance of the claim. The garnets will be \$25.00 per pound. Each member will be allowed to decide which garnets they would like to purchase after weigh in and the rest will be left for the mine. The claim owner is required by State and Federal law to report all minerals leaving the claim. [ANY CLAIM] Just like they do at the Forest Service site on Emerald Creek run by the Forest Service. Each member will sign a contract before they are allowed to access the claim. There are large garnets, both star and facet grade. We can dig as many as we want (and take the best for ourselves?) It takes about a dozen golf ball size ones to make a pound. Latest information on this trip is provided by Dale Ruperd. THE LATEST WORD IS THAT THE TRIP HAS ONCE AGAIN BEEN CAN CELLED, SO THE DATE IS PENDING. STAY TUNED. (This is as of May 15)

WELCOME TO NEW MEMBERS, BRIAN AND ANNA CAPELL, AND TO RETURNING MEMBERS LINK SHADLEY AND MARY MERRILL, OF SANDPOINT.

Palm root can be cut at different angles to get different effect. Cutting across the roots will show the round eye with the colored center and right around it. Cutting along the root will expose a wood grain surface. Via S.C.R.I.B.E. 2009 via the Ammonite 6/94, Beehive Buzzxer 8/97, News and Views 9/987 and Carny Hound 5/09

NIMC Minutes Regular meeting April 16-2015 Meeting opened at 6:05 by President Dale Ruperd.

The Treasurers report was approved by member vote. Minutes approved as appeared in newsletter.

Bill Johnson, as Federation Director (and Joan Smith as Delegate) gave a report about the Federation meeting in Ogden, Utah.

ALAA: A group of eight counties got together and went to a Utah Senator with a request to keep environmental groups from closing areas of the state. As a result, all permanent roads stay open. Not so in Oregon—no representatives from rock groups in the state at a meeting held there—only one representative from CA.

Scholarship was not awarded by NFMS this year. (?Lack of interest?)

New rules for the annual Rockhound Retreat in Sept. Only a few R.V.'s will be allowed. Sign up early—it may already be too late. Great experience with few distractions. NO cell service. One land line.

Size of annual NFMS field trip will be **reduced in size this year to 150** and the trip is to the Vale, Oregon area, so book early. See NFMS Newsletter for details.

SHOW BOARD MEETING NOTES READ AND REVISIONS MADE. (See page 3 of this bulletin) ONE THING NOT COVERED: NEED SOMEONE TO VOLUNTEER TO REMAIN ON DUTY TILL 10 PM, FRI AND SAT., AND SOMEONE TO COME IN AT 6 AM SAT AND SUN TO BE PRESENT WHEN SECURITY IS NOT ON DUTY. HE MUST BE RELIEVED ON TIME..

Mike Burton has arranged for security Friday and Saturday nights, and has also arranged for advertising in local papers, also ad in NFMS Newsletter and website, as well as rock related magazines. Personal delivery of flyers to local businesses and persons will occur in the week after Memorial Day. (See Bev at the meeting on May 21.) So far we have 22 vendors for a total of 46 tables—one yet to be heard from which will make 49. (as of 5-16) The fairgrounds has WiFi and will give passcode to vendors upon request. Will continue to try to get in touch with the person who arranges catering for the food service to find out the menu. Bill Richards was contacted by voice mail, but it is graduation time right now. He is Geology instructor at NIC. Want to get information to his geology students about our club and the possibility of applying for a scholarship for the fall semester.

SIGN UP SHEETS WILL BE PASSED OUT AT THE MEETING ON THE 21ST.

Gold show report: Won a free 8 foot booth for the show next year. Best sellers were mineral specimens.

James Finckbone reported on the Yakima show—said they needed more vendors and equipment dealer.

Silent Auction is open and tickets for the scholarship drawing are being sold. 6 nice prizes for the June drawing. Meeting adjourned at 6:30 PM Respectfully submitted, Diane Rose, Secretary.

Shop Hints—Polishing a stone all over, front,, back and edges, acts as a sealer. It seals and keeps the water in opal; it prevents natural corrosion in rhodonite, that corrodes to a black ore called wad, and it helps stop the absorption of harmful substances such as perspiration.

Powdered lampblack can be mixed with epoxy to color it for making doublets or other stones where a black background is desired.

Federation Fieldtrip JULY 2-5

VALE, GRASSY MOUNTAIN AND HOODOO BASIN

Save the date for this year's federation field trip in eastern Oregon. Great petrified wood.

The permit process for this area will take some time. Watch for updates, and if you would like to help with this one, contact Doug True, dtruefossils12@yahoo.com

SHOW BOARD MEETING ON APRIL 10 –2015 (held at Roses' shop)

Called to order by co-chair Bev B.

Check whether hourly prizes may be stored from last year. (None left.) We only need 14 prizes for the hours we are open.

8 Display cases. So far 7 assigned—Club case, Marian Knack, David Rapp (2), Roses', Dana Piozet, Bob and Bev, (?) #8

(The Rock Rollers gave us three sets of liners without material on them. After the show we can get them covered for use in the future.)

FLOOR SET UP: Diane Rose, Corey Brenner and Karel Mrazek **DO NOT COME TO THE SET-UP AREA TILL 8:30 on the 5th of June**

Move things for the show from Storage. Bill Johnson and Mike Rose in charge Need pickups?

Tables and chairs in place—Work Crew — Electrical set up-Corey Brenner and Johnie Pitman. Corey has cords for dealers.

His expenditure for plug ends was approved.

Show case set-up: Dale Ruperd in charge—helpers needed. Liners— Bev and helpers

Food. Fairgrounds has taken over food service. Will try to get a menu, as the food served at the Gold Show was terrible.

Money and accounting for the show: Carl Chapin will keep accurate inventory of in and out so that preparing a budget for next year will be easier. Make our scholarship donation easier to figure.

Demonstrations: Terry Deal—cabbing, Boyd Merkley-beading, Warren Price-chain maille, Dale Ruperd- faceting, Gale Diener, Cabbing. (5 demos)

Grand Prize: BRAZILIAN AGATE POLISHED PIECE. (\$125)

Potluck: Patric Hutchinson and Pat Ruperd. **SIGN UP SHEET AT MEETING.** Order chicken at Super One (Bev) and pick up on Friday by Joyce Kendra. 1/2 fried and 1/2 baked. (Need salads, side dishes, breads, desserts, butter, chips, etc.)

Ticket Sales at the door—**SIGN UP FOR THREE HOUR SHIFTS—2 PEOPLE ON EACH.**

Grand Prize Ticket Sales—Hiram Madland in charge, and need people to provide relief of at least 1 hour intervals.

Cash boxes—Carl Chapin SILENT AUCTION Diane Rose and Karel Mrazek in charge

Kids Corner—Tammy Madland in charge. **Need 2 people here to help** with Treasure Dig, Ring Toss and Wheel of Fortune. Tammy and Bev collaborated on prizes so there are lots to go around for the kids.

BADGES FOR MEMBERS AND VENDORS BY DIANE ROSE—AVAILABLE AT THE SHOW.

Complete list of Vendors will be given to Diane at the meeting on May 21.

Meeting adjourned. Respectfully submitted, Diane Rose, Secretary

Those attending were Bev and Bob Bockman, Patric' and Dean Hutchinson, Dale Ruperd, Carl Chapin, Tammy and Hiram Madland, Diane and Mike Rose.

PS—All hands on deck for tear down on Sunday!!!! The place has to completely swept after we are out. **I requested brooms!!**

WHAT'S SO SPECIAL ABOUT ARKANSAS QUARTZ CRYSTALS?

Arkansas' quartz crystals are regarded as some of the worlds finest. The quartz in the Ouachita Mountains contains very little contaminants. Water clear quartz is the specialty and it is found throughout the mountains. Ron's Mine—the Old Coleman Mine, is distinguished not only as the largest producer, but also as the purest source for the quartz crystal. The uniqueness if this deposit is a result of how the quartz developed. Most quartz has been formed through volcanic activity, where fractures on the earth's crust allowed hot silica laden water based fluids, heated to high temperatures by volcanic activity to leach into crevices within the earth. As the fluids passed along their route, contaminants were introduced by the various minerals these fluids came in contact with. When the fluids encountered favorable conditions, silica began to be deposited and from that the quartz mineral grew.

The crystals found in the Ouachita Mountains are thought to have formed in a different and non-volcanic manner. The forces created during the building of the mountains are thought to have "squeezed" water from the underlying unit of shale and sandstone. Because of the depth of burial of the sandstone and shale units (perhaps tens of thousands of feet) and as a result of the high pressures developed within the sedimentary units during the mountain building process, the water was heated to very high temperatures (260 degrees C/500 degrees F). This hot water, derived from the trapped original seawater, was very different from fluids originating from igneous sources; in particular, it contained fewer dissolved minerals. You can easily see the difference if you compare samples of the crystals. Quartz from Brazil and Chile are both volcanic in origin. Although crystals from either source can be well formed, the difference in clarity is truly noticeable due to the different conditions of growth.

By Jon Erlandson 9/99, from the Gemrock 10/00 via the Osage Hills Gems, 3/02

FIRLD TRIP SEASON—KNOW YOUR ROCKS

LEAVERITE: Also known as Dropite, Junkite and Crudite. This type of rock should be discarded immediately. It constitutes 90% of most rocks. This includes Sourgrape Agate and Mutilated Quartz.

SACK ROCK: This is material that is stuffed into a sack but falls from the top as the bearer struggles back to the car. If taken home, it will be tossed into a corner and forgotten.

WONDER ROCK: You always wonder why you brought it home, and where you found it.

BRAGGIN' ROCK: Also called Pocket or Eating Rock. This material is licked, rubbed, spit upon and fondled until it assumes a near polish and is frequently passed around for admiration.

@##%&+ ROCK: A large, heavy, possibly angular rock that falls on your foot as soon as you have removed your hiking boots.

From Gem Time 06/98 via MWF Newsletter 12/02 via Calgary Lapidary Journal 5/09

2015 OFFICERS OF NORTH IDAHO MINERAL CLUB, INC.

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Committees:

Dean Hutchinson SHOW CHAIR 2015 with Bev Bockman

Bev Bockman Newsletter Editor and Membership

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Dale Ruperd- Federation Director 664-2712

Bill Johnson –Federation Delegate 765-3099

What's in a name?—These are similar in origin but vary in their final form. AGATES form by fluids moving into the vesicular cavities formed by gas escaping in lava and precipitating chalcedonic quartz—<100 degrees C. GEODES (cavities lined with quartz crystals) form from a vapor phase, also at low temp. THUNDSEREGGS are round nodules formed from spherulites in silica-rich lavas and ash flows like rhyolites and dacites.-never in basalts. They have fillings of star like cavities which may form by gas expansion as the volcanic rock cools. Filled cavities are called amygdules, and besides quartz may contain calcite, zeolites, chlorite, native copper and silver, etc. *From Pebble Press 02/95 and Calgary Lapidary Journal 5/09*

THE LUSTER OF PEARLS

BY Dr. Bill Cordura

Pearls occur in Wisconsin, Minnesota, in the shells of fresh water mollusks along the Mississippi River, and in other rivers and lakes in our region. Their harvest and crafting into fine jewelry forms a small but vigorous cottage industry. The mysterious luster of pearl has delighted humans since the dawn of history. It is alluded to in Hindu literature and the bible. Without this luster, pearls would be a biological curiosity rather than a sought-after gemstone. To what physical effect do pearls owe this distinctive luster?

Why Nacre? Pearls form as growths which many species of mollusks secrete around impurities. The outer part of an oyster shell consists of a layer of calcite or, more rarely, aragonite. The calcite crystals line up perpendicular to the shell's surface, giving it a coarsely fibrous appearance. Inside is the nacreous layer. This is made of thin plates of aragonite in a network of a horny protein called conchiolin. The nacreous inner lining of the mollusk is called mother of pearl and has the same luster (for the same reason) as isolated pearls. When a bit of grit gets between the mollusk's tissues and nacreous layer, the mollusk secretes a coating of nacre around it, isolating it from the rest of the shell. Blister pearls, growths still partly attached to the shell, show an intermediary stage of this process.

Why luster? What is it about nacre that gives rise to luster? The answer is linked to the common test used to distinguish true from artificial pearls. True pearls feel rough against the teeth. This is because the surface of the nacre consists of tiny overlapping plates of aragonite, whose edges give the rough sensation. The edges also interact with the light that falls on the surface of the pearl.

Then there is diffraction. The light striking the pearl experiences a phenomenon called diffraction in which light is split up into a spectrum of color by passing through a tiny opening. The different colors of light bend differently, separating them into their color. The edges of the aragonite flakes act as tiny spectra, playing out as we turn the pearl to different angles. The light striking the pearl's surface also experiences an interference effect at the grain boundaries. This occurs as different rays of light partly emphasize or cancel out different colors as they are bent differently at the platelet edges. The thinner and more numerous the plates, the more pronounced is this effect.

Knowing that, we will have one less question to ask St. Peter when we get to heaven and are standing by those gates.

Dr.. Bill Cordua, U. Wisconsin-River Falls *from Breccia 4/09 and Delvings 5/09*

For those of you who are "fans" of the Rice Museum near Portland—they have been having financial difficulties to the place where they might have to close, but they are now an affiliate of the Smithsonian Institution. I will print more about this next month when we are not so distracted by our own "work"—but it is in the Northwest Newsletter and also the AFMS newspaper.

I will never forget the first time Bob and I found this museum, and if you ever are **anywhere** near it please go. It is a once in a lifetime thrill. A collection of the most gorgeous minerals and gemstones that I have ever seen, except maybe at Tuscon once. And it is housed in what was the private home of the original collectors.

Gives me goose bumps to think of it! Your old editor, Bev



NORTH IDAHO MINERAL CLUB, INC.

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AFFILIATIONS:

THE AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES

THE NORTHWEST FEDERATION OF MINERALOGICAL SOCIETIES

S.C.R.I.B.E.

AMERICAN LANDS ACCESS ASSOCIATION



2015 ROCK AND GEM SHOWS IN WA,, OR,, ID,, AND MT

JUNE 5-7 PUYALLUP VALLEY CLUB - BONNEY LAKE, WA

JUNE 6-7 NORTH IDAHO MINERAL CLUB— COEUR D'ALENE, ID

JUNE 6-7 OREGON COAST AGATE CLUB - NEWPORT, OR.

JUNE 13-14 BUTTE MINERAL CLUB BUTTE, MT.

FOR DETAILS SEE NORTHWEST NEWSLETTER OR CHECK WWW.AMFED.ORG/NFMS