



# LAKE CITY ROCKHOUND NEWS

NORTH IDAHO MINERAL CLUB, INC

P.O.BOX 1643, HAYDEN, ID.

JULY 2015

MEETING AT LAKE CITY CENTER 1916 LAKWOOD DRIVE 667-4628—IN LIBRARY

6 PM TO 8 PM, THIRD THURSDAY OF MONTH—VISITORS AND GUESTS WELCOME

**ANNUAL CLUB PICNIC AT DALTON GARDENS CITY PARK ON JULY 16**

**CORNER OF HANLEY AND 4TH BEHIND CITY HALL**

**MEET AT 5:30 AND EAT AT 6 ——CLUB FURNISH THE ENTREE**

**CONTACT DEAN HUTCHINSON AT 208 686 0156**

**IF YOU NEED A HINT ABOUT A WHAT TO BRING TO THE POTLUCK.**

**LOOK FORWARD TO A GREAT SILENT AUCTION AND A TINY BUSINESS**

**MEETING. Guests and family welcome.**

**Silver Valley Geology Field Trip with Andy Buddington on July 19**—for those who have already signed up. Will meet at the Mineral Ridge Boat Launch at 10 AM (don't be late!) The boat launch is about 9 miles east of Coeur d'Alene. Take US-90 to Wolf Lodge Bay (exit 22) -then south on Highway 97 for one mile. It is on the south side of Wolf Lodge Bay. Participants should bring their own snacks/drinks because we are not stopping at any restaurant, but will make a picnic lunch stop. Because we are starting about 2 hours later than usual on this trip it will last till about 4 PM. We will be receiving a field guide from Andy. (Bring lots of water.) Not much walking involved. If you have a "walkie talkie" radio it will be useful but not mandatory. We have been loaned two by Dale Ruperd-so Bob and I have one spare. (Andy will select the frequency.)

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**Directions to Rose's home and garage for BOARD Meeting, August 6 at 10:00 a.m. ALL ARE WELCOME!**

Address: 1029 North Hill Drive, Coeur d' Alene, ID 83814

Diane's cell phone number: 208-659-6173

**From the EAST:**

From 1-90 take **FIRST** exit: **SHERMAN AVE** at end of the off ramp/at light

**TURN LEFT** under the freeway continuing on **SHERMAN AVE. WEST**

**TURN RIGHT** on **21st Street** [landmarks: Japan House Motel on right [north]/Bee Hive Homes Administration on left [south]

**Continue on 21st Street to T**

**TURN RIGHT** onto **PENNSYLVANIA** going under the freeway and road turns north becoming 23rd Street.

Go to the second street on RIGHT HASTINGS AVE

Turn **RIGHT** onto **HASTINGS AVE**. It is only 1 block long. At the **T**

**TURN RIGHT** we are the first house on the **RIGHT** 1029 on sign and mailbox

**TURN RIGHT** along the tree line and park in the field

YOU HAVE ARRIVED!

We will be in the GARAGE/SHOP the door is on the **SOUTH SIDE** of the building

behind the trailer. Come on in!

**FROM WEST**

**Take 15 Street exit, turn right [south] to Pennsylvania Ave on LEFT side**

**Turn LEFT** on to **PENNSYLVANIA** going under the freeway and road turns north becoming 23rd Street.

Go to the second street on RIGHT HASTINGS AVE

Turn Right onto Hastings Ave. It is only 1 block long. At the **T turn Right**

We are the first house on the right 1029 on sign and mailbox

**Turn Right** along the tree line and park in the field.

You have arrived! We will be in the garage/shop. The door is on the South side of the building behind the trailer. Come on in!

**Wonders Of A Crystal**

A crystal is one of the strangest objects of nature. It is not alive, yet it grows. A crystal attracts the same kind of materials of which it is composed, arranges them with great accuracy in geometrical forms, cements the parts together and holds them. Place a crystal in a liquid, or vapor composed of the same ingredients as the crystal and the process of accumulation immediately begins. If a crystal was broke in two parts and placed in a bath of liquefied crystal, the broken surface will be repaired and each part will grow into another crystal, providing the other conditions favorable for crystal growth are present.

## Lake City Rockhound News JULY 2015

### NIMC Minutes June 18. 2015

Meeting called to order by President Dale Ruperd. Pledge was recited. The quarterly Scholarship drawing completed.

Treasurer's report was given by Dale Ruperd in the absences of Carl Chapin.

Show report: Fairground fees not in the report

Break down so far. TRENDS :

Kids Corner income was down from last year as was Silent Auction. Income was up with increased from \$2 to \$3. And Hiram did an awesome job with the Grand Prize ticket sales that were up \$51 The total income increase of \$390.39. Motion to approve by Mike Burton seconded by Bob Riley, approved.

### OLD BUSINESS

CDA Mine District geology tour, July 19 at 10:00 a.m. Contact Beverly Bockman 208-773-5384 FREE! Need CB's [Rose's have 2]

Mike Austin STILL has not good news from the owner of the garnet claim.

### NEW BUSINESS

James said he went to Butte Show and several vendors think the building we use is "old timey." (Well after all, it is a WWII and before airplane hangar! We have HISTORY if not convenience! BB ed)

Carl Chapin checked on Jacklin Building: price \$1000 per day, twice what we pay now.

Mike Burton feels not doing radio ads did not affect bottom line. Beverly Bockman said she put the Show on Craigs list.

1] Dean Yongue will speak at Gold Prospectors Club July 8 at 7 p.m. in Rathdrum.

2] Community Library Network contact: Twilla Grader requests program if possible.

3] Ironman ad is \$120. Welcome ad, 55.000 Ironman. Magazine will contact by 5/28. After discussion decided not to do it this year because it is too close to our show date.

Suggested: Fieldtrip to Emerald Creek? When? Interested? talk about it at picnic.

Board Meeting at Rose's shop August 6 at 10:00 a.m. Directions in Newsletter. Everyone WELCOME.

Anouncement: Picnic at Dalton Park on south east corner of roundabout of 4th and Hanley Ave. JULY 16 at 6:00 p.m. Club will supply chicken and Dean Hutchinson is calling all members to find out what you will bring to the picnic.

It should be only 89 degrees that day so hope the heat will be tolerable. (Bob will go down about 4 to reserve the gazebo.)

Adjourned at 7:p.m. Respectfully submitted, Diane Rose, secretary

**Dean Yongue has agreed to present a program to the Community Library Network represented by the library at Pinehurst, as a speaker from our club. He has also volunteered to gift the club with the honorarium he will receive for his program. This is really great of you to do Dean, and we know you will give the audience a fine presentation. Thank you on behalf of all of us! (Bev)**

### PUNCTUATION, ETC. FROM THE INTERNET (via Scribe.. Jan-Mar, 2015

The difference between "Feeling your nuts" and Feeling you're nuts".

I would rather cuddle then have sex. (If you are good with "grammer". you'll get it)

Let's eat Grandma vs Let's eat, Grandma. (Punctuation saves lives!!! )

A woman, without her man, is nothing. Vs A woman: without her , man is nothing.

## NEAT THINGS THAT ROCKS & MINERALS CAN DO ——OPTICAL PROPERTIES

Optical Properties explains what happens when light enters a mineral and bounces off in a Normal situation. So what happens if there is something extra inside the mineral?

Sometimes a small bit of some other stuff, even another mineral, may be inside. It could be an excess of coloring matter (perhaps like a freckle on your skin is excess skin color pigment). It could be a tiny empty space. Regardless, when the light enters the mineral and hits the "stuff", it bounces away in right angles to it and produces a pattern of light called a "star." If the mineral is in the hexagonal (six-sided) crystal system, the star will look like 3 rays of light that cross in the middle. If the mineral is in the cubic crystal system, the star will have 4 rays of light crossing. Showing a star pattern is called "**Asterism.**" Ruby, sapphire, rose quartz, aquamarine, garnet, and green zircon may be asteriated.

Sometimes the mineral may contain a band of parallel fibers in it. Then, when the light enters the mineral and hits the band of fibers, all the light bounces off one direction instead of at right angles. It makes a band of light called, "**Cat's eye**".

A "Cat's eye" look is called "**Chatoyancy**" (In French, "chat" means "cat.") Chrysoberyl, tiger's eye (quartz), tourmaline, beryl, apatite, diopside and scapolite may show chatoyancy.

When what we call "light", which is actually made up of different kinds of light, such as long-wave, short-wave, infra-red and more, enters a mineral and the short-wave light bounces out as a blue color, it creates "**Opalescence.**" This is what we call the milky-blue or pearly look of common opal.

A mineral showing opalescence may be formed in layers, making the light bounce out irregularly. Then the opalescence looks like it is moving as you turn the mineral. This is called "**Adularescence.**" Moonstone is famous for this.

**Aventurescence** - glittering caused by light bouncing off tiny flat stuff (inclusions) in the mineral. The variety of aventurine feldspar called "Sunstone" shows this look.

**Iridescence** - rainbow-like colors breaking into the colors of the spectrum (shown by a rainbow) when bouncing off cracks or layers of mineral. Fire agate is an example.

**Labradorescence** - this is when the rainbow-like colors look metallic. Another name is the "Schiller" effect. Labradorite is the most famous example.

**Play of color** - flashes of rainbow light seen in opal. The light is bouncing off tiny balls of another mineral in the opal.

(exerpted from an article in 11-2007 MWF News—Mid West Federation)

### WONDERS OF A CRYSTAL

A crystal is one of the strangest objects of nature. It is not alive, yet it grows. A crystal attracts the same kind of materials of which it is composed, arranges them with great accuracy in geometrical forms, cements the parts together and holds them. Place a crystal in a liquid, or vapor composed of the same ingredients as the crystal and the process of accumulation immediately begins. If a crystal was broken into two parts and placed in a bath of liquefied crystal, the broken surface will be repaired and each part will grow into another crystal, providing the other conditions favorable for crystal growth are present.

Even after a crystal has been worn until it is but a rounded grain of sand, it will speedily become a crystal again if placed in a solution containing the ingredients of which it is composed. There is no known limit to the ability of a crystal thus to repair itself and resume its growth.

Under a microscope a crystalline solution can be seen forming into crystals, and it is a wonderful sight. First, innumerable dark spots form in the fluid; they stand still and then begin to move. It is soon seen that the movement arranges the spots in straight lines, like beads. The beads speedily coalesce into rods, and the rods arrange themselves into layers until a crystal is created. The process proceeds so rapidly that it is almost impossible to follow closely.

**Jasper; Abundant & Beautiful** by Marilyn Ferrier (Pebbles 7/01, via Golden Spike 8/01)

Jasper is a silica mineral that is classified under cryptocrystalline quartz. It is opaque, fine-grained, dense (hardness 6.5-7). Its submicroscopic crystals allow most jaspers to take a high, enduring polish making it extensively used for jewelry. Iron oxide and other ore impurities determine the color. Because of its great abundance and diversity of pattern and color it is part of almost all rock collections.

Below is a list of some of the more commonly known varieties of jasper.

**Biggs Jasper:** Browns/tans, complex distinctive patterning, from Biggs, Oregon. Looks like it has had a rough ride through history.

**Brecciated Jasper:** Rounded fragments naturally cemented together in a gray base.

**Bruneau Jasper:** Browns/tans with distinctive core patterns from Bruneau River, Idaho

**Green Jasper:** Very light to dark green colors, sometimes quite gemmy (color from chlorites).

**Leonard Skin Jasper:** Orbicular Jasper with a tan color, resembling leopard spots.

**Morrisonite:** Desirable multicolored jasper from the Owyhee River area, Oregon.

**Orbicular Jasper:** Jasper with rounded rings throughout the stone.

**Poppy Jasper:** Yellow orbicular with red rings.

**Red Jasper:** From dull red to intense, bright red with some patterning (color from iron oxide).

### BIGGS JASPER

Biggs jasper is one of the more recently discovered picture rock materials. The first piece was found about 1960 in a creek bottom south of Biggs Junction, OR. It is one of the more distinctive jaspers even though it lacks brilliant colors—its design is unique among siliceous rocks. It takes an excellent polish.

Biggs jasper seems to have developed from the muds of short-lived streams that evolved on the surface of a cooled basalt terrain. The raw materials (plastic colloids, silica, clay and iron) came from the weathering of recent igneous rocks and were deposited in the settling basins of stream channels. Heat and pressure from volcanic activity then served to form jasper, small creeping motions led to the marbled rosettes and picture designs.

Biggs jasper is sandwiched between two basalt flows that cover Oregon, Washington and parts of Idaho. That plants and animals inhabited the newly formed water courses is shown by the fossil fish found in the area. (VIA Rock Licker, via The Rock Rattler 1/94 via Glacial Drifter 2 & 3/01)

A North Carolina Highway Department employee stopped at a farm and talked with a farmer. He told him, "I need to inspect your property for a possible new road." The farmer said, "OK but don't get out in that pasture over there."

The man flashed his ID card and said, "I have the authority of the State to go anywhere I want. See this card?"

So the farmer went about his chores. It wasn't too much later that he heard loud screams and yelling. He looked over and saw the man running for his life, and right behind him was the farmer's huge prize bull. The farmer yelled out, "Show him your card!...Show him your card!"

### 2015 OFFICERS OF NORTH IDAHO MINERAL CLUB, INC.

PRESIDENT- DALE RUPERD 664-2712

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Committees:

SHOW CHAIR 2016 ???

Bev Bockman Newsletter Editor and Membership

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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.

JULY 31 AND AUGUST 1 & 2 FARWEST LAPIDARY & GEM SOCIETY  
NORTH BEND, OR.

AUGUST 14-16 PORT TOWNSEND ROCK CLUB, PORT TOWNSEND, WA

SEPTEMBER 12-13 MARCUS WHITMAN GEM AND MINERAL SOCIETY  
WALLA WALLA, WA

FOR DETAILS SEE NORTHWEST NEWSLETTER OR CHECK [WWW.AMFED.ORG/NFMS](http://WWW.AMFED.ORG/NFMS)