



Lake City Rockhound News

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

April, 2016
Volume 15, No. 4

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

Regular Meeting – April 20, 2016
The Meeting Program:
DVD about Butte, Montana, Part 2

Refreshments: Betty Anderson, James Finckbone (for real!)
There will be a silent auction and scholarship raffle (next raffle drawing will be in June). Buy your tickets today.

April 2016 Meeting Minutes

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

We had 23 members in attendance and one guest, Robert Cardwell. Welcome Robert.

Treasurer's report was made by Carl Chapin. We purchased six used table for \$75.00 to replace some of our tables for the show. The old broken ones will be taken away by Dale Rupert. There was a discussion about storage. Each year it has gone up in price. Karel Mrazek made motion to pay storage at current location for one year. Seconded by Marilyn Kolher. Passed. It was suggested to find out if we could pay for a longer period of time and also find out if the special: pay for 10 months and two months free as in the past. Carl will see what if anything can be done to lower the new rate.

NEW BUSINESS: There is none.

NEW BUSINESS: The Show, Beverly has fliers to be given out at shows in our area.

The Club will be allowed to display items in the Coeur d'Alene and Post Falls Libraries May and June. Someone

needs to check with Hayden library. Anyone interested in displaying items please contact Beverly Bockman. Mike Austin said Numerica Credit Union will allow him and possibly others to display on a 24 inch by 36 inch table. He asked if anyone had a display case he could borrow to be able to do the display. Suggested he have on built.

There is a barrel about 1/3 full of 60/90 grit in the Club storage. Dale said all those interested could purchase it for \$2.00 per pound. The following people have requested the grit: Mike Austin 20#, Carl Chapin 5#, Dean Hutchinson 2#, Beverly Bockman 5#, Donni Moen 4 1/2#, Mike Rose 55# and Bill Johnson 55#. It was weighed out and in containers ready for pick up at the April meeting. All of the grit is now sold.

Missoula show this weekend, March 19-20.

Lewiston Club is having an auction April 6, 2016 at Sacajawea Hall on Lewis Clark State College campus starting at 11 a.m. Rocks, equipment and rock related items will be auctioned off.

Meeting adjourned at 6:35 p.m. Respectfully submitted,
Diane Rose, secretary



This Year's Gem, Mineral, Rock and Jewelry Show

The North Idaho Mineral Club's Gem, Mineral, Rock and Jewelry Show for 2016 will be held on June 4th and 5th at the Kootenai Fairgrounds at the corner of Kathleen and Government Way in Coeur d'Alene, ID. Admission is \$3.00, with children under 12 free when accompanied by an adult.

This year marks the 57th year since our first show in 1960. We feel that member participation, public support and attendance is responsible for the longevity of the show. We hope you can attend or participate as volunteers. We need volunteers for setting up, tearing down, and for running several areas, including ticket sales, grand prize ticket sales, the kid's corner and the silent auction.



Rockhounding in Idaho

Pamphlet from the BLM

From Magic Valley Gem News 03/2012

Land Ownership: It is recommended that you check land ownership when planning a rockhounding trip. A good place to start is your local BLM office where you can obtain maps with land ownership information.

Fossils: Vertebrate fossils such as dinosaurs, mammals, fishes and reptiles, and uncommon invertebrate fossils may be collected only by trained researchers under BLM permit. Common invertebrate fossils such as plants, mollusks, crinoids and trilobites may be collected for personal use in reasonable quantities.

Minerals and Gemstones: While Idaho has no specially designated BLM collecting sites, there are many places on public lands throughout the state where you can find minerals, gemstones, and petrified work. There are over 280 collectible mineral species known to occur within Idaho, including smoky quartz, pyrite, topaz, barite, garnet, epidote, and zeolites. Idaho also has many localities where one can find semi-precious gemstones. The star garnet from Emerald Creek areas in north Idaho is perhaps Idaho's most

famous gemstones. Other gemstones found in Idaho include fire opal, together with many varieties of agate, jasper and petrified wood.

“Rockhounding” is a fun and educational outdoor activity that can be enjoyed by everyone. The collecting of rocks, mineral specimens, gemstones, petrified wood and common invertebrate fossils on public lands managed by the BLM is generally considered a casual use activity. These activities require no permit, fee or notification of the BLM, provided that:

- Collecting is not specifically prohibited or restricted.
- Your collecting activities result in no more than minor disturbance of public lands.
- Equipment is limited to hand tools and metal detectors. Use of explosives, or motorized/mechanical devices (i.e. earthmoving equipment) is prohibited.
- Specimens are for personal use—not collected for commercial purposes or bartered to commercial dealers.
- Only reasonable quantities are collected. For petrified wood, limits are defined as 25 lbs. Plus one piece, per day, with annual limit of 250 lbs.
- You reclaim any disturbance that you create, i.e. backfilling holes, etc.



Birthstone of April - Diamond

From wikipedia.org

A diamond is one of the best-known and most sought-after gemstones. Diamonds have been known to mankind and used as decorative items since ancient times; some of the earliest references can be traced to India.



The hardness of diamond and its high dispersion of light - giving the diamond its characteristic "fire" - make it useful for industrial applications and desirable as jewelry. Diamonds are such a highly traded

commodity that multiple organizations have been created for grading and certifying them based on the four Cs, which are color, cut, clarity, and carat. Other characteristics, such as presence or lack of fluorescence, also affect the desirability and thus the value of a diamond used for jewelry.

Clarity is a measure of internal defects of a diamond called inclusions. Inclusions may be crystals of a foreign material or another diamond crystal, or structural imperfections such as tiny cracks that can appear whitish or cloudy. The number, size, color, relative location, orientation, and visibility of inclusions can all affect the relative clarity of a diamond. Diamonds become increasingly rare when considering higher clarity gradings. Only about 20% of all diamonds mined have a clarity rating high enough for the diamond to be considered appropriate for use as a gemstone; the other 80% are relegated to industrial use.

The finest quality as per color grading is totally colorless, which is graded as "D" color diamond across the globe, meaning it is absolutely free from any color. The next grade has a very slight trace of color, which can be observed by any expert diamond valuer/grading laboratory. However when studded in jewelry these very light colored diamonds do not show any color or it is not possible to make out color shades. These are graded as E color or F color diamonds.

Diamonds which show very little traces of color are graded as G or H color diamonds. Slightly colored diamonds are graded as I or J or K color. A diamond can be found in any color in addition to colorless. Some of the colored diamonds, such as pink, are very rare.



Lapidary Polishing Compounds

via Golden Spike News 4/01 via Owyhee Gem, 8/01

For economy dedicate a buff, lap pan to a particular polish and simply recharge with fresh polish as required to maintain effectiveness.

- **CERIUM OXIDE** - the best gemstone-polishing compound for most uses. It's best with opal, agate, quartz, and obsidian. Not as effective with soft

material or stones that tend to undercut.

- **MICRON ALUMINA** - a 5-micron polishing powder developed for computer disks. It is the best polish for seashells, pretty good for soft stones and excellent as a pre-polish in vibratory tumblers and laps - not rotary tumblers.
- **ALUMINUM OXIDE, MAP** - preferred by many to Linde A, this is a slightly faster and more economical rare earth polish that we call Miracle Atomic Polish.
- **TIN OXIDE** - a long time favorite. Use on leather for polishing turquoise and all soft stones.
- **ZIRCONIUM OXIDE** - a rare earth polish that is especially good for tumblers and laps. It's the most economical effective polishing media. White and will not discolor gemstones.'
- **LINDE "A"** - a tremendous favorite with gem cutters whether faceting or polishing cabs. Relatively expensive, you should consider polishing the stone then giving it a quick hit with Linde A to attain a super polish. It is available as powder to mix with water or an emulsified cream with the consistency of hand lotion that does not separate in solution.
- **OXALIC ACID** - used for polishing carbonate type onyx when mixed with another polish such as Tin Oxide. In a strong solution with water, it is used to clean iron stains from specimens, i.e., Quartz. Mix with hot tap water by stirring in oxalic crystals until the water is saturated and will not dissolve any more. Crystals forming along the sides of the container indicate a saturated solution and should they disappear, you need to add more. **WARNING:** while this is a relatively mild acid all precautions must be taken to keep it out of eye, mouth, etc.

Experience is something you don't get until just after you need it.
Via Golden Spike News 8/01

North Idaho Mineral Club
 P.O. Box 1643
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First Class Mail

NIMC Officers			
President: Dale Ruperd (664-2712)			
Vice-President: Corey Brenner (640-4743)			
Treasurer: Carl Chapin (772-9049)			
Secretary: Diane Rose (659-6173)			
Other Positions			
Show Chair 2016: Dean Hutchinson			
Newsletter: Michael Burton (772-9347)			
Federation Director: Dale Ruperd			
Federation Delegate: Bill Johnson (765-3099)			
Webmaster: Michael Burton			
Programs/Membership: Bev Bockman (773-5384)			
Affiliations			
AFMS – American Federation of Mineralogical Societies			
NFMS – Northwest Federation of Mineralogical Societies			
S.C.R.I.B.E.			
ALAA – American Lands Access Association			
Gem Show Schedules			
Apr 22-24	10:00-5:00 10:00-5:00 10:00-4:00	Mt Hood Rock Club	W.P. Jackson Armory, 6255 NE Cornfoot Rd, Portland, OR
Apr 23-24	10:00-5:00 10:00-5:00	West Seattle Rock Club	Alki Masonic Temple, 4736 40 th Ave SW, Seattle, WA
Apr 23-24	9:30-5:00 10:00-4:30	Gray's Harbor Gem and Geology Society	Elma Fairgrounds, 43 Elma-McCleary Rd, Elma, WA
Apr 30 – May 1	10:00-6:00 10:00-5:00	Everett Rock and Gem Club	Everett Com. College, 2206 Tower St, Everett, WA
Apr 30 – May 1	10:00-5:00 10:00-4:00	Billings Gem & Mineral Club	Al Bedoo Shrine, Aud, 1125 Broadway Ave, Billings, MT
May 7-8	9:00-5:00 10:00-4:00	Umpqua Gem & Mineral Club	Douglas Cty Fairgrounds, I-5 Exit 123, Roseburg, OR
May 7-8	10:00-5:00 10:00-4:00	Bozeman Gem & Mineral Club	Gallatin Cty Fairgrounds, Bldg #1, 901 N. Black, Bozeman, MT
May 14-15	10:00-5:00 10:00-4:00	Hatracks Gem & Mineral Society	Hermiston Conf Ctr, 415 Hwy 395 S., Hermiston, OR
May 21-22	10:00-6:00 10:00-5:00	Bitterroot Gem & Mineral Society	First Interstate Ctr, Ravali Cty Fairgrounds, 100 Old Corvallis Rd, Hamilton, MT