



**Meetings are the
2nd Thursday of the
month 7pm @
Cache County
Fairgrounds Events
Center; 490 S 500
W, Logan UT 84321**

Visitors are welcome.

Annual Club Membership

Individual \$15.00

Family \$20.00

Calendar of Events

**Club Meeting June 10th
@ 7pm at the Cache
County Events Center**

Content is by the editor
with the exception of
where it is denoted
otherwise.



From the Top of the Rock Pile

Bret Fannesbeck – Club President

Hey Everyone,

May was a busy month and we had some amazing things going on. If you missed the Annual Rock and Gem Show you missed a great event. We had incredible vendors and demonstrators and had a lot of fun. It is always encouraging to me how people can come together and accomplish great things.

For all of you that volunteered to help out and spent time at the show I would like to thank you for your service. I have always believed that those who serve others are the best people in the world. We have some great people in this club. Thanks again to all of the people who volunteered, the show could not have happened without you.

We had quite a few new members join the club at the show. I would like to welcome them to the club. We are having our monthly meeting on Thursday June 10th at 7 PM. It would be nice to see you all there. We meet at the Cache County Event Center. Come on out and get to know our wonderful club members and make some new friends.

We have new club t-shirts! We will be bringing them to the club meetings. If you would like to buy one to support the club goals and to get a cool new shirt stop on by. If you can not make the meetings email me and we can figure out a way to get you some.

We have some great trips planned. Come on out and join us on those as well. Details are generally given at the meetings and then an email goes out the next day. So, if you can not make the meetings keep an eye on your emails.

With the temperatures warming up please be careful when you are out there rockhounding. Take plenty of water and make sure someone knows where you are headed. Enjoy your summer and let's go find some rocks.

**Bret Fannesbeck
President**

Cache Rock & Gem Club

<http://cacherockgemclub.weebly.com>



First President's Message

Hello everyone, First off I want to thank everyone who helped with the show. From those that worked all three days to those that simply told friends about it and invited them to attend. All efforts made our show a success. Thank you all!! I especially want to make note that we had several new members join. We are very fortunate to have growth as other clubs are facing decline. How exciting it is for these new members, and for us, to share this hobby we enjoy together. I remember my first meeting, first trip to the shed to cutting rocks and of course you the members with the friendships we quickly built. Please join me in welcoming these new members and help make the club experience a good one for them. This month's program will be on Tiger's Eye. Come learn about this semi precious stone that is common in men's jewelry and a favorite of rock tumbler, from beginners to experts. Ever wonder what makes that eye pattern flash? Remember we will have auction plates and our leave a rock, take a rock area for finding new treasures. Looking forward to seeing you all there.

Patrick Carroll
1st Vice President
Cache Rock and Gem Club

2nd VP/Trip Manager Message

Wow, was May a whirlwind month or what, we had a great show, it was nice seeing old friends again and enjoying being " normal " for a change. I would like to thank with all my heart everyone that volunteered to help out, especially our committee chairs for their extra time and effort, it really paid off in spades.

Our rock trip to the Grouse creek area was a success, it looked like everyone found some nice stuff. Our next trip will be this weekend to the Eureka area, we will have more info at the meeting and via email later this week.

Thanks again for all the help at the show, we wouldn't be able to do it without you.

Dave Nielson
2nd Vice President
Trip Manager
Cache Rock and Gem Club



Upcoming 2021 Cache Rock & Gem Club Trips

June 12th Eureka
June 25-26th Kerry, Idaho
July 16-18th Graveyard Point area
August 14th Bitch creek
August 27-28th Milford area
September 10-11th Yellowcat
September 24-26th McDermott
October 15-16 Topaz/Dugway

Chairman of the Board Message

If you did not come out to the show, you missed a good one. I want to thank everyone who made this show possible and worked hard to do it. We had a really good turnout for the show and I know we had a lot of people who really enjoyed themselves and came back to the show more than once. I want to thank the demonstrators that came to help us support our show. I was able to talk with them and they had some good comments about the show. Thanks to all of the vendors that were there. I talked to a lot of them and they all seemed happy and busy at selling their rocks and minerals.

I understand that we will now have these dates from now on around the 20th of May along with the dog show that was held this same week.

Again thanks to everyone who helped and participated in our show. It is now time to start rock hunting and getting ready for next years show..

Hope to see you soon.

Gary Warren.
Chairman of the Board
Past President
Cache Rock and Gem Club



Annual Show Manager Message

I can't believe it is June already and the Club show has come and gone. I would like to take this opportunity to thank all of the committee chairs and the volunteers that helped with the show. Those efforts made our show a success and promoted our club.

Now for the shed. We are adding another night to the week for the shed to be open.

Lance Gates has volunteered to open the shed on Thursday nights (except Meeting night) from 5-8pm. Lance can be contacted at 435-881-4371. Text is probably best and remember we are still limiting attendance to 3 people, Please feel free to wear a mask if you would like but they are not required.

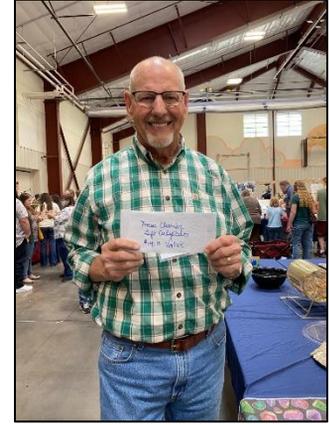
My contact information is still the same so contact me for Wednesday night 5-8pm and Saturday 9am to 1 pm.

Larry Christophersen
Annual Show Manager
Cache Rock and Gem Club

Rock & Gem Show Pictures 2021



Rock & Gem Show Pictures 2021



Rock & Gem Show Pictures 2021



Rock & Gem Show Pictures 2021



Special thanks to
Joyce Spencer for the
photos!



June Birthstones



Pearls are the only gemstones made by living creatures. Mollusks produce pearls by depositing layers of calcium carbonate around microscopic irritants—usually a grain of sand, as it's commonly believed—that get lodged in their shells.

While any shelled mollusk can technically make a pearl, only two groups of bivalve mollusks (or clams) use mother-of-pearl to create the iridescent “nacreous” pearls that are valued in jewelry. These rare gemstones don't require any polishing to reveal their natural luster.

Appropriately, the name “pearl” comes from the Old French *perle*, from the Latin *perna* meaning “leg,” referencing the leg-of-mutton shape of an open mollusk shell. Because perfectly round, smooth, natural pearls are so uncommon, the word “pearl” can refer to anything rare and valuable.

The rarest and most expensive pearls are natural pearls made in the wild without human interference. The majority of pearls sold today are cultured or farmed by implanting a grafted piece of shell (and sometimes a round bead) into pearl oysters or freshwater pearl mussels.

Pearls are very soft, ranging between 2.5 and 4.5 on the Mohs scale. They are sensitive to extreme heat and acidity. In fact, calcium carbonate is so susceptible to acid that authentic pearls will dissolve in vinegar.

The finest pearls have a naturally reflective luster, making them appear creamy white with an iridescent sheen that casts many colorful hues. Cultured freshwater pearls can also be dyed yellow, green, blue, brown, pink, purple or black.

Black pearls—which are mostly cultured because they are so rare in nature—aren't actually black but rather green, purple, blue or silver.

Pearls used to be found in many parts of the world, but natural pearling is now confined to the Persian Gulf waters near Bahrain.

Australia owns one of the world's last remaining pearl diving fleets and still harvests natural pearls from the Indian Ocean.

Today, most freshwater cultured pearls come from China. South Sea pearls are cultured along the northwestern coastline of Australia, the Philippines, and Indonesia.

A relatively modern gemstone, alexandrite was discovered in Russian emerald mines located in the Ural Mountains. Legends claim that it was discovered in 1834 on the same day that future Russian Czar Alexander II came of age; it was named to honor him.

Often described as “emerald by day, ruby by night,” alexandrite is a rare variety of the mineral chrysoberyl that changes color from bluish green in daylight to purplish red under incandescent light.

This chameleon-like color shift is the result of its uncommon chemical composition which includes traces of chromium, the same coloring agent found in emerald. The unlikelihood of these elements combining under the right conditions makes alexandrite one of the rarest and most expensive gemstones on Earth.

The alexandrite mined from Russia's famed deposits set the quality standard for this gemstone. Today, most alexandrite comes from Sri Lanka, Brazil, and East Africa, generally paling in comparison to the vivid colors of Russian gemstones.

With a hardness of 8.5 on the Mohs scale, alexandrite is softer than sapphire and harder than garnet—the other gemstones that can change color. However, due to its scarcity, alexandrite is more valuable than most gemstones, including rubies and diamonds.



Courtesy Americagemociety.org



June's third birthstone, moonstone, was named by the Roman natural historian Pliny, who wrote that moonstone's shimmery appearance shifted with the phases of the moon.

The most common moonstone comes from the mineral *adularia*, named for an early mining site near Mt. Adular in Switzerland that supplied this gemstone.

This site also birthed the term *adularescence*, which refers to the stone's milky glow, like moonlight floating on water.

Moonstone is composed of microscopic layers of feldspar that scatter light to cause this billowy effect of adularescence. Thinner layers produce a bluish sheen, and thicker layers look white. Moonstone gems come in a range of colors spanning yellow, gray, green, blue, peach, and pink, sometimes displaying a star or cat's eye.

The finest classical moonstones, colorlessly transparent with a blue shimmer, come from Sri Lanka. Since these sources of high-quality blue moonstones have essentially been mined out, prices have risen sharply.

Moonstones are also found in India, Australia, Myanmar, Madagascar, and the United States. Indian gemstones, which are brown, green, or orange in color, are more abundant and affordably priced than their classical blue counterparts.

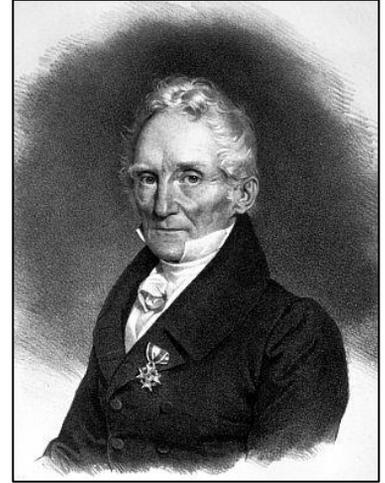
This beautiful gemstone's weakness is its relatively low hardness of 6 on the Mohs scale, making it prone to stress cracking and cleaving. Care is required with moonstone jewelry like rings or bracelets; so, sometimes brooches and pendants are preferred for long term durability.



Friedrich Mohs

Every mineral collector should know about the Mohs' Scale of Hardness and the mineralogist who developed it.

Friedrich Mohs Friedrich Mohs Friedrich Mohs was born on January 29, 1773 in the German town of Gernrode. His parents were merchants. He was well-educated. His early studies were in physics, chemistry and mathematics. Later on he took advanced studies at the mining academy in Freiberg, Germany. One of his professors at the academy was Abraham Werner who is another important figure in mineralogy. Dr. Werner inspired Friedrich Mohs' interest in minerals.



In 1801 Mr. Mohs moved to the country of Austria. One of his jobs there was as the curator of a private mineral collection that was owned by a banker named J.F. van der Null. (*a "curator" is a person who takes care of a collection of some kind.*)

Mr. van der Null wanted his collection to be organized into categories. He also wanted Mohs to identify the many unknown minerals in his collection.

Believe it or not, in the early 1800's no one had created a system for identifying minerals. So, Mr. Mohs started to study the different physical properties of minerals as a way to identify them. He noticed that some minerals are very soft, others are extremely hard. He also observed that harder minerals could scratch softer ones. With this in mind, Friedrich Mohs decided to develop a scratch test where he could determine the hardness of a mineral. To make his scratch test more accurate and helpful, he carefully observed many minerals and created a list of 10 minerals that he arranged from softest to hardest.

The scale is a list of minerals arranged from softest (No. 1) to hardest (No. 10) which is used to determine the hardness of all other minerals.

MOHS' SCALE OF HARDNESS:

- 1.Talc
- 2.Gypsum
- 3.Calcite
- 4.Fluorite
- 5.Apatite
- 6.Orthoclase Feldspar
- 7.Quartz
- 8.Topaz
- 9.Corundum
- 10.Diamond

The mineralogist who created this scale was named Friedrich Mohs. To this very day, we know this list as "*Mohs' Scale of Hardness.*"

Courtesy of kidsloverocks.com

<http://cacherockgemclub.weebly.com>



Shed Crew:

Larry Christopherson 435-723-6476
 Bret Fonesbeck 435-757-4927
 Gary Warren 435-720-1775

400 West 60 South
 Hyrum, UT

Slab saw cost 0.20 per inch of rough

Only trained shed crew are authorized to set up and run the saws.

Cost is ;	Adults	Jr. members
Wheels	\$2.00	\$1.00



Rock Buckets

The club has 3 gallon buckets of rough rock for sale. The rough is a varied collection from club trips and includes petrified wood, palm, agate, etc. The cost is \$10.00 to club members. If interested contact one of the club officers.



Shed Rules

- *Three people in the shed to maintain space & social distancing.
- *The shed is open on Wednesday Evenings 5-8pm
 Thursday Evenings 5-8pm (except meeting nights)
 Saturday Mornings 9am-1pm
- *By appointment only!
- *Please contact Larry Christophersen @ (435)723-6476 for Wednesday and Saturday meetings. You may text, but start the text out with CRGC. If Larry does not answer please leave a voicemail and he will get back with you. You can also email Larry at larry-0021@comcast.net
 Please contact Lance Gates at (435)881-4371, text is best.

Masks can be worn, but are not required.

Sublette County Rock Hounds' **Gem & Mineral Show** **2021**

*Hosting the annual CONVENTIONS of the
 American Federation of Mineralogical Societies
 Rocky Mountain Federation of Mineralogical Societies*

June 18th, 19th, & 20th

at the Sublette County Fairgrounds
 10937 Hwy 189,
 Big Piney, Wyoming

Friday & Saturday 9-5, Sunday 9-4

Dealers, demonstrators, exhibits, field trips, fluorescent mineral display, kids' activities, food concession & more!
 Admission: \$2.00 adults, kids free



Contact: jimgray@wyoming.com or schafma1@hotmail.com

14th Annual Castle Country **ROCK, FOSSIL MINERAL SHOW** Fri. June 11 & Sat. June 12



**CARBON COUNTY
 EVENTS CENTER
 450 S. FAIRGROUNDS
 WAY-PRICE, UT**

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 MINERALS, JEWELRY,
 BEADS, EQUIPMENT,
 SILENT AUCTION,
 DEMONSTRATIONS &
 MORE! SOMETHING FOR
 THE WHOLE FAMILY!**

Directions to Fairgrounds from Highway 6: Take Exit 240 toward US 6 Business Loop/Price 4 mi; Turn Right onto W 100 N/Westwood Blvd. 5 mi; Sharp Left onto N Fairgrounds Rd. 8 mi; Turn Left onto South Fairgrounds Rd

CONTACT: Patrick Braun(435)609-0674 (435)381-5192



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970.349.9327

Bob & Maria Stewart

(435)258-0025

(435)764-5741

Please call for an appointment.

bobstewart@q.com

mexicanroseagates@gmail.com

We have been assembling a large collection of silicates, mainly agate, jasper and quartz from Mexico for over 10 years. We are now offering our collection for sale online and at various rock and gem shows. Our mission is to find, collect and sell the finest agate, jasper, geodes and other forms of chalcedony, mainly from family-owned property in Mexico, to offer to you at affordable prices.

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Please no phone calls.

Coeur d' Alene Rock & Gem Show - 6/5/2021

Start Date: 6/5/2021

End Date: 6/6/2021

Address:

4056 N Government Way

Kootenai County Fairgrounds Jacklin
Building

Coeur d' Alene, ID 83815

Website: <https://www.northidahomineralclub.org/>

Facebook: <http://northidahomineralclub/>



Club Officers

Title	Name	E-Mail
President	Bret Fannesbeck	crgc.president@gmail.com
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2 nd Vice President	Dave Nielsen	dsnielsen@live.com
Secretary	Tasia Palmer	
Treasurer	Anita McCollum	anitamccollum@comcast.net

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Chairman	Gary Warren	rock_hunter1@hotmail.com
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Trip Manager	Dave Nielsen	dsnielsen@live.com
Jr Club Manager	Maria Gates	
Graphic Design Manager		
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Assistant Rock Show Manager	Bret Fannesbeck	crgc.president@gmail.com
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