



THE GEODE

Lakeside Gem and Mineral Club, Inc. (LGMC)

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Facebook: Lakeside Gem & Mineral Club

Instagram: [lakesidegemandmineral](https://www.instagram.com/lakesidegemandmineral)

Volume 141 Issue 10

October 2020

Club purpose: Promote activities of mutual interest for collecting and displaying of gems and minerals.

Address: Lakeside Gem & Mineral Club, Inc., PO Box 6652, Kennewick, WA 99336-0603

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GEODE Submission Deadlines:

- 19th – member articles & photos

E-mail: Patty

- **Membership:** Please contact Mark Kidder to pay your dues or make updates to your street address or email.

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Club Meeting on Zoom October 7 at 7PM

Program: My rock project/favorite rock/rock related pictures

Did you know you can share pictures on Zoom? For our October meeting take a picture or two that is rock related for sharing in the Zoom Meeting.

To share your pictures be sure to have your picture open on your device and share your screen. You could even have the picture in PowerPoint with labels. Small and large objects can be tough to see depending on the light and your object size or color.

Or you can send a picture or two of you and your rock to Chris Sorensen and she will display them during the meeting. Please send your pictures with a short description to her by OCTOBER 5th. Use subject line: **Oct program 20** in your email to

See Page 5 for Zoom meeting link details.

Minutes – Zoom Club Meeting – September 2, 2020

Show and Tell:

- Bill Hamel called the meeting to order at 7:05 p.m. by giving us a glimpse of his trip to Colorado to rockhound and hike. They found a few nice pieces, and saw some beautiful country, but could have left the 105 heat at home.
- Duke and Kelly Rauh went looking for Snowy Owls above Vancouver, B.C. They saw a couple dozen, but missed the two reported sightings at the same time in the Tri-Cities. They also pulled into a beach on Point Brown Peninsula and spied a Snowy Owl sitting on a driftwood log. Turns out that one was a milk jug though. During that same trip they went looking for orbicular jasper on Damon Point at Ocean Shores. They found some nice pieces before almost getting stranded by the rising tides. Upon getting back home and parking their trailer on their river rock driveway, lo and behold, red orbicular jasper under their feet. Rockhounding your front yard is easier, but not as much fun!
- Chris, Marty, Wayne and Kathy took a drive to Saddle Mountain and got a couple of buckets of petrified wood in about 2 hours. The area they hunted had not been burned at that time. The road is a little rough so a pickup or taller SUV would probably be best if you're planning on joining a possible future field trip. Wayne recommended taking a shovel, pick, pry bar, buckets, water and snacks. Plan for about a 2-hour drive to get to the site. More information on a Club field trip in late September or early October will be announced on Facebook and through emails.
- Duane Schock showed some nicely polished Laguna Lace agate he purchased from Don Snyder in 2019, an "alligator" agate, and what was identified as probably a Succor Creek egg.
- Thora Trumbo shared what was maybe a calcite crystal formation that resembled a set of false teeth, and a large piece of amber she received as a gift. We're all hoping for a few nice bugs inside to show themselves to Thora.
- Judi Allison has made about 25 gem trees during her socially distanced summer. How are your hands Judi? She also took a trip to the Middle Fork of the John Day and found wood.
- Mark Kidder went rockhounding at an antique store in Prosser and found a basketball sized geode for sale. It looked "a little small" on camera to everyone.
- Wayne and Kathy Larson showed another "small" crystal cluster from Arizona, along with a basketball sized Septarian Nodule. One good thing about the Zoom meetings, members don't have to lug really big specimens to their car and back to show off on the bragging table.
- Carla Black showed us Yooperlites that glowed nicely under black light. Tom is apparently in Alaska looking for gold right now but did send back a white quartz specimen with gold veining. Very impressive!

Agenda:

- It looks like monthly Zoom meetings for the near future are the only option right now. When our area opens up more, an outdoor meeting may be possible. There is a learning curve to televised meetings, but we will get better and better as time goes on. All members are encouraged to share their rock related pictures with Chris or Jerry Sorensen to be published on our Facebook page, or join in the Show and Tell during future meetings.
- In Federation news, Larry didn't have much to report. There have been no meetings, and the transition of Officers has not been set. Judi reported that the Federation Treasurer position will be open. Anyone interested in becoming involved at the Federation level should please contact Judi Allison.
- Nominations for Rockhound of the Year are still being accepted.

Minutes – Zoom Club Meeting – September 2, 2020 – Continued

- Bill reiterated that Lakeside Officer positions will be extended through next year, or until a Nomination Committee can be appointed and more regular gatherings are possible.
- Larry Hulstrom and Judi Allison have sent emails to this years' dealers to gauge their interest in selling at our 2021 show. All of the vendors are very interested. They will send out draft contracts in the next couple of months.
- Discussion on publishing a list of members willing to share their specific areas of rock expertise with other members. This would be used as a contact point for anyone needing advice or direction on everything from equipment, to polishing methods, to what is this rock. It was thought that possibly publishing a poll on Facebook, asking for feedback from members regarding what would be helpful. The Board will continue this discussion during their next meeting.

The meeting adjourned at 8:05 p.m.

Thanks to everyone who joined in on our first Zoom Club meeting!

Next Meeting: October 7, 2020, 7:00 (Zoom meeting sign-on details will be emailed to members); Board meeting October 19, 2020, 6:30 p.m.

Respectfully Submitted,
Sally Lyon, Secretary

Jr Rock Club Minutes – Zoom Club Meeting – September 8, 2020

Eight families joined Mrs. Trumbo and Chris Sorensen (facilitator/host, adult club member) on-line via ZOOM. A special thank you to Chris and to every parent who allowed students to visit with one another after so many months!

The children excitedly shared so much from their lives in recent months and enjoyed visiting with one another. Very chatty moments were followed by some turn taking to share in more details. Each talked of their homes and the décor that surrounded them, their pets, their family, health issues, the challenges of on-line schooling and some travel too.

The students carefully held rock specimens up to their computer camera for one another to see. It seems they all are still enjoying the hobby. We concluded with the challenge to continue writing about their passion for gems and minerals. Hopefully, we'll have more of those to share in the GEODE next month. We wish everyone continued health.

See us next month on-line again. Watch for your e-mail invitation with ZOOM link Oct 13th.

If by chance you did not receive Mrs. Trumbo's recent e-mails, please notify her by email at adding into the subject line: Jr Rock Club and she'll update the email list.

Minutes – Zoom Board Meeting – September 21, 2020

Present: (Board Members) Bill Hamel, Wayne Larson, Larry Hulstrom, Rick Tobin, Chris Sorensen, Patty DeForest, Thora Trumbo, Sally Lyon; (Members) Jerry Sorensen, Kathy Larson

Wayne Larson called the meeting to order at 6:35 p.m.

Old Business

- Show planning is still pretty much on hold. Larry and Judi will talk about sending out draft contracts next month, and plan on extending payment of fees to January.
- The apprentice program for our case build is still closed. Rick is trying to maintain contact with the program on a regular basis, but the build is stalled at this point.
- The Union Street Library and gazebo are still closed, and since large gatherings are prohibited, the fall picnic unfortunately won't happen this year.

New Business

- Rick reported that the club is out of oil. Marty Casto is waiting for contact from a new oil vendor to schedule a meet up time. Wayne and Marty will make arrangements to pick up oil as soon as possible. Rick also mentioned that the supply of grit is good.
- The motion was made and passed that the Club By-Laws have been reviewed and approved for next year.
- Discussion of candidates for Lifetime Membership. Everyone is encouraged to contact the board with information on members who are at least 70 years of age and have been a member in good standing for at least 15 years.

Field Trips

- Check out the Geode for information on upcoming field trips. We could use some time outdoors with friends at a distance now that the air has cleared!

October Zoom Meeting Program

- The program for our next meeting will be **Virtual Show and Tell**. We want to see what you've been working on or what you've added to your collection during the past several months. Chris says that the best way to do this is by taking a picture and loading that picture to the device you will use to join the Zoom meeting. She asks that you give her a description of your picture, and email it to her at by Monday, October 5th. Further details will be emailed on how to send a picture and join a Zoom meeting.

The meeting adjourned at 7:30 p.m.

Respectfully Submitted
Sally Lyon, Secretary

Zoom Meeting Instructions for October 7th club meeting at 7 pm

If you have not used Zoom before, click on the link in Option 1 below and download the Zoom app to your device. You can use a laptop, computer, android, iPhone, tablet or iPad. After it is downloaded, create a username and log in.

How to Use Zoom overview video at: <https://youtu.be/5iap0Ff15Lg>

Field Trip to Saddle Mountain Saturday, October 3, 2020 (Weather and smoke permitting.)

We will be looking for petrified wood.

Trip will be limited to 10 people max. Because of the virus, no children please.

Meet at the Dairy Queen parking lot on Jadwin in Richland, across from the uptown at 8:30. Leave at 8:45.

Items to Bring:

Tools: shovels, rock hammer, pick, buckets and whatever rock digging tools you prefer.

Clothing: appropriate for walking on hills , rocks and in sage brush.

Water and snacks.

Vehicles: SUV or pickup recommended.

Contact Wayne Larson if interested in going.

Potential Field Trip (Weather and smoke permitting.)

New Biggs Jasper dig site. The owner says they are open and need 2 weeks' notice for a group dig. They can host groups of 6 to 20 people maximum, and the fee is \$5 per pound of rough. China Hollow is also open and very near this new dig, and charges \$5 per pound as well. The sites will close in November, and Wayne is willing to head up a trip to this new site if there is interest.

Greatest Memories from *The Geode*

The Geode - October 2006

"Candle" Your Agates

We work almost exclusively with the AGATE we collect at the World-Famous gravel pit in Souris, Manitoba.

Using the "Candle" method we are able to "see" the color and the pattern in the agate so we know which way to slice it to get the best results.

To "candle" your agates - build a small box - 4 sides and a top - NO BOTTOM. Cut a small circular hole in the center of the top. Place the box over a source of light - we use an electric trouble light. Plug in the light, place your agate over the hole and rotate it slowly - this way and that - so you can see the pattern and any fractures. Then mark (with a felt pen) the side you want to cut first.

Happy Cutting Trudy & Mel Martin Long Time Agate Pickers Calgary Rock & Lapidary Club

The Geode - December 2006

Starting a rock collection

Q: I am recently retired and would like to get into rock collecting as an outdoor pastime. The problem is, I don't know where to start.

A: The very first thing to do is clear everything off of the mantle in the living room. You will need the space to put your first collections. The next thing is to empty out the den, second bedroom, back porch and laundry room. You will need the space to put your second round of collections. The third thing to do is empty out the living room, the bedroom, and the kitchen. You will need the space to put your third round of collections. The fourth thing to do is buy a second home. Do not bother to furnish it.

David Bear Tempe, AZ

The Geode - June 2007

Bickleton Trip

On Saturday May 5th, a caravan of about 20 cars left Richland headed for the Bickleton area to look for carnelian agate. We picked up three more cars in Mabton and snaked our way up the hill south out of Mabton. The line of cars seemed like it went on forever but we all eventually ended up at the site and found one other club member already there. By my estimation, there were at least 50 adults and junior club members that piled out of the menagerie of vehicles, making this trip the all time record for the number of times that I have gone to this site over the years.

After showing everyone examples of what to look for, everyone was let loose to roam through the field and wooded area. We met back at the vehicles at 1 PM to have lunch and show each other the treasures they had found and swap stories. From all accounts, it looked like everyone had found some agates and other keepsakes that were headed home with them. All in all, the weather cooperated and I believe everyone had a good time.

Larry Hulstrom

Greatest Memories from The Geode – Jr Club Submissions

The Geode - September 2006

Mineral of the Month report by Paul Spinner

Pyrite- is named after the Greek word for fire. When you strike it with steel it gives off a spark. Pyrite is a common pale brass yellow mineral with a chemical composition of FeS₂ where Fe is iron and S₂ stands for sulfide. It has a brilliant metallic luster. It is often mistaken for Gold! But, gold is softer and heavier than pyrite.

Pyrite crystallizes into cubes, octahedrons or pyritohedrons, and has a hardness of 6 to 6.5.

It is mined for its sulfur, less so for its iron and sometimes for its association with gold or copper. Pyrite is burned for its sulfur dioxide and sulfuric acid.

It occurs in igneous rock, in contact metamorphic deposits and hydrothermal veins. It is also common in sedimentary rock. Frequently it is found with chalcopyrite, sphalerite and galena.

Pyrite may also be cut as a gemstone under the name of its polymorph marcasite.

Paul brought a sedimentary and some massive samples to share with us. The crystals on the sedimentary rock are examples of pyritohedrons. He also brought a sample of nodular pyrite.

Two other samples are massive pyrite with some crystallization and the Rio Tinto Mine in Spain produced large amounts of pyrite and Paul brought both kinds for us to view.

The Geode - October 2006

Smithsonite

Smithsonite is named after James Smithson an English mineralogist who paid for the start of the Smithsonian institution at Washington, D.C.

Smithsonite is a minor ore of zinc. It forms in dry climates as a weathering product of primary sulfide zinc ores such as sphalerite.

Smithsonite rarely forms in crystals, it is usually found in rounded lumps called botryoidal which means bunches of grapes. Smithsonite is found as round masses or crusts coating other rocks and minerals. It can be white, grey, green, blue yellow, brown, purple and pink.

Smithsonite crystal shape is a trigonal. Its cleavage is perfect in three directions forming rhombohedrons. Its fracture is uneven. Its hardness is 4 to 4.5 on the hardness scale. Its specific gravity is 4.4 and it leaves a white streak.

Report by: Michaela Coleman

The Geode - February 2007

Mineral of the Month – Quartz

Quartz is a German word. Ancient Romans believed quartz was permanently frozen ice. It is one of the most common minerals on earth, and can be found in most places. There are lots of different types of quartz. These include: amethyst, rose quartz, Cape May diamond, and blue quartz. Quartz is transparent and can be colorless, purple, rose, black, yellow, brown, green, and orange. It has a hardness of seven, but is brittle and may be broken into sharp crystals. Quartz is used in watches, jewelry, making glass and decorations.

MOHS Scale of Hardness

- 1- Talc Scratched by fingernail
- 2- 2- Gypsum Scratched by fingernail
- 3- 3- Calcite Scratched by copper coin
- 4- 4- Fluorite Scratched by knife
- 5- 5- Apatite Scratched by knife with difficulty
- 6- 6- Orthoclase Scratches glass
- 7- 7- Quartz Scratches glass
- 8- 8- Topaz Scratches glass
- 9- 9- Corundum Cuts glass
- 10- 10- Diamond Cuts glass

Classifieds

Rock Saw Oil and Grit: Please have exact change and contact for pickup:

Rick Tobin, 2767 South Lyle St., Kennewick, 509 572-7345

Note: As mentioned in the Board Meeting Minutes, the cost of grit and oil has gone up, contact Rick for current pricing.

Saw oil purchasing information:

- Must be a LSGM club member to purchase saw oil.
 - Membership forms are available if you need to join.
- Must have your own containers
- Diala (the old oil) \$16.00/gallon

Tumbling grit all sold in 2# bags only:

- 80 grit: \$4.50 for 2# bag
- 220 grit: \$5.10 for 2#bag
- 600 grit: \$6.50 for 2# bag.
- Cerium Oxide Polish Powder: \$19.00 for 2# bag.
- For every 10 lbs. of tumbled rock you donate (no river rock), get 2 lbs. of 60/90 or 220 grit free.

Stamps -- Stamps -- Stamps

Our club donated several boxes of stamps to the stamp collection. The stamp chairman is selling some of the stamps online and doing very well. He is making money for the cancer fund. Please keep up the good work and keep collecting stamps. I asked him which stamps he wanted us to collect and he said everything. There is a market for everything. Try to keep as much paper around the stamp as you can. You can just tear off the end of the envelope if it is handier for you.

Bring your stamps to a meeting and give them to Pat Lambert.

Thank you again for taking the time to collect stamps for a good cause.

Officers E-mail: lakesidegemandmineralclub@yahoo.com

| | | | |
|----------------|--|-----------------|--|
| President | | Director | |
| Vice President | | Director | |
| Secretary | | Fed. Rep. | |
| Treasurer | | Jr Club Leader | |
| Past President | | Bulletin Editor | |

Phone numbers are all Area Code 509. By-Laws specify two year elected terms of office for Board Members, beginning in November. President, Vice President and one Director begin in even numbered years. Secretary, Treasurer and one Director (*) begin in odd numbered years. Federation Representative, Junior Club Leader, Bulletin Editor and Committee Chairs are Board-approved volunteers. By-Laws at www.lakesidegemandmineralclub.com

Other Contact Info:

Rockhound Legislative Advocate

When notified by the AFMS, the NFMS, ALAA or club members about legislative issues that will affect rockhounding activities, forward that information to club members via email lists.



Club Affiliations:

- American Federation of Mineralogical Societies (AFMS)
- Northwest Federation of Mineralogical Societies (NFMS)
- American Lands Access Association (ALAA)

- <http://www.amfed.org>
- <http://www.amfed.org/nfms>
- <http://www.amlands.org>



Member: Tri-Cities Visitor and Convention Bureau

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