



THE GEODE

Lakeside Gem and Mineral Club, Inc. (LGMC)

Web Site: www.lakesidegemandmineralclub.com

E-mail: lakesidegemandmineral@yahoo.com

Facebook: Lakeside Gem & Mineral Club

Instagram: lakesidegemandmineral

Volume 164 Issue 09

October 2022

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 Deadline:

19th of the month for member articles & photos

E-mail: lakesidegemandmineral@yahoo.com

Membership: Please pay at meetings or mail in.

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Update your email address on your Membership Application so that you don't miss out on Club Communications.

Club Meetings & Upcoming Events

Seventh Day Adventist Church, 7105 W 10th Ave, Kennewick

September 24, 2022 – Saddle Mountain Field Trip (9:00am)

October 1, 2022 – Mammoth Dig (Walther Rohlfing)

October 5, 2022 – Club Meeting – Show & Tell (Picture in a Rock)

October 8, 2022 – Riverfest – Columbia Park

October 11, 2022 – Junior Meeting – Legacy High School

Minutes – Club Meeting, September 7, 2022

Larry called the meeting to order at 7:00 p.m.

- Welcome visitors Dave, Decalin, Ralph, Barbie, Jeremiah, Heather, Jan, Bill, Tracy, Dan and Eric.
- Door prizes were given to Jan, Decalin, Marty, Ron, Mark and Walther.

Old Business

- Larry gave an overview of the adult and junior club activities for our visitors, as well as an outline of the Hancock Retreat.
- Marty explained how the silent auction works during club meetings
- Arrangements have been made for the Junior Club to meet at Legacy High School on the 2nd Tuesday of each month.
- The club had a fun and busy week at the fair, selling 276 grab bags along with rock specimens and keychains.
- Wayne has coordinated a field trip to Saddle Mountain on September 24. Signup sheets and specific information were available. He is also working on a field trip to the Polka Dot Mine.
- The club picnic and auction will be at the Grange Park on Union Street on Sunday, August 18. Check your email, or see the Geode for more information and guidelines for selling your rock related items.
- The Northwest Federation show, and meeting is being held in Hillsboro, OR at the Wingspan Event and Conference Center beginning on September 30 and running through October 2.
- The club is participating in RiverFest 2022 at Columbia Park on October 8 from 10:00 to 3:00. Volunteers are needed to man our table and provide information about LSGM.

New Business

- Nominations for President, Vice President and Director were published in the September Geode. Nominees are Patrick Donohue, President, Peter Kovich, Vice President, and Wayne Larson, Director. If there are no further nominations, the ticket will stand as printed.
- Steve Shoemaker is selling the remainder of the Bryan Schroeder estate rocks for \$10 per bucket. All proceeds will be donated to feed the homeless in our area. Contact Steve at 509-521-5623 for further information and directions.
- Patrick is asking any members interested in sharing what they do in working with their collection in a short interview for our YouTube channel. This could be a tour of your shop, or simply meeting up to talk about how you work with, display, or have come by your collection. Sign up sheets will be available at upcoming meetings.
- We need someone to take over as Program Director for our monthly meetings.

Program: Video "Catastrophe and Cartography – the Ice Age Floods Visualized.

The meeting adjourned at 8:30 p.m.

Respectfully Submitted, Sally Lyon, Secretary

Minutes – Board Meeting, September 19, 2022

Present: Chris Sorensen, Patrick Donohue, Wayne Larson, Larry Hulstrom, Patty DeForest

Meeting was called to order at 6:30pm.

Old Business

- Field Trips: Wayne has organized a field trip to Saddle Mountain on Saturday, September 24th. Further details will be published in the Geode. He is also working on a trip to the Polka Dot Mine in October.
- Picnic: Picnic/auction was held on September 18th and fun was had by all.
- RiverFest 2022: Discussion on providing a booth during RiverFest. It was felt that we will man a table with club brochures, business cards and information. The event is on October 8th at Columbia Park from 10:00 to 3:00. Larry will complete their signup sheet, asking for an 8' table and chairs in the shade. It was suggested that we also have a popup canopy available just in case for shade. A volunteer signup sheet will be provided at the October meeting.
- Open Volunteer Positions: The board will again ask for volunteers to fill the positions of Refreshment Coordinator and Program Coordinator.
- The storage unit clean up and table skirting measurement parties will be organized for October.

New Business

- Junior Club: Chris gave an update on the status of the Junior Club. They met at the Legacy High School in Kennewick. She is also working with the Junior Club on once again participating in the Federation Junior Badge Program.
 - Dues: October is the month to begin collecting membership dues.
 - Larry found the "Rock N Sage Field Trips" Facebook page while looking for places to advertise our club events. They are an active rock collecting group. He suggests that we check out their page to find out about field trips in our area.
- October 5 will be Show and Tell. Bring a Picture in a Rock to share. And Hancock Retreat members will share the things they made.

The meeting adjourned at 7:40 p.m.

Minutes – Junior Club Meeting, September 13, 2022

Our club met on September 13th at Legacy High School in Kennewick. Juniors present were Cinda, Martin, Declan, Ezra, Davian, Jessy, Aria, Juni.

Chris Sorensen had some handouts about minerals and showed how to use the hardness test and some other physical properties are used to identify minerals. One handout has cut and paste mineral examples:

<https://pdrockandgem.org/stones/wp-content/uploads/2021/04/Crystalshapes.pdf>

Juniors were able to scratch different minerals such as talc, calcite, halite, and gypsum and use the chart for Mohs hardness to attribute which of the kit materials would scratch a mineral. Additionally hand samples were provided of quartz, talc, copper, calcite, garnet and gypsum to show how the appearance is quite different both in luster and crystal shape. Mike zinski provided some 3d printed mineral shapes for the juniors.

Juni provided and mineral report about garnet:

Garnet is a good abrasive. Garnet is New York states gemstone. Garnet is commonly found in metamorphic rocks. Garnet is found in many colors. Red is common, blue is rare. Garnet has been used since the bronze age, approximately 5000 years ago.

Help us decide the next junior programs by completing the survey (juniors) about your favorite badges if you have not already. Most favorite to least top six of ones described in <https://www.juniors.amfed.org/fra-badge-program>

A link to the survey is here. <https://forms.gle/KWDD24Fgmg8a81G57>

Our next meeting is coming up on October 11th. Look for an email from Chris or Pauline about our plans.

Summer Picnic and Auction



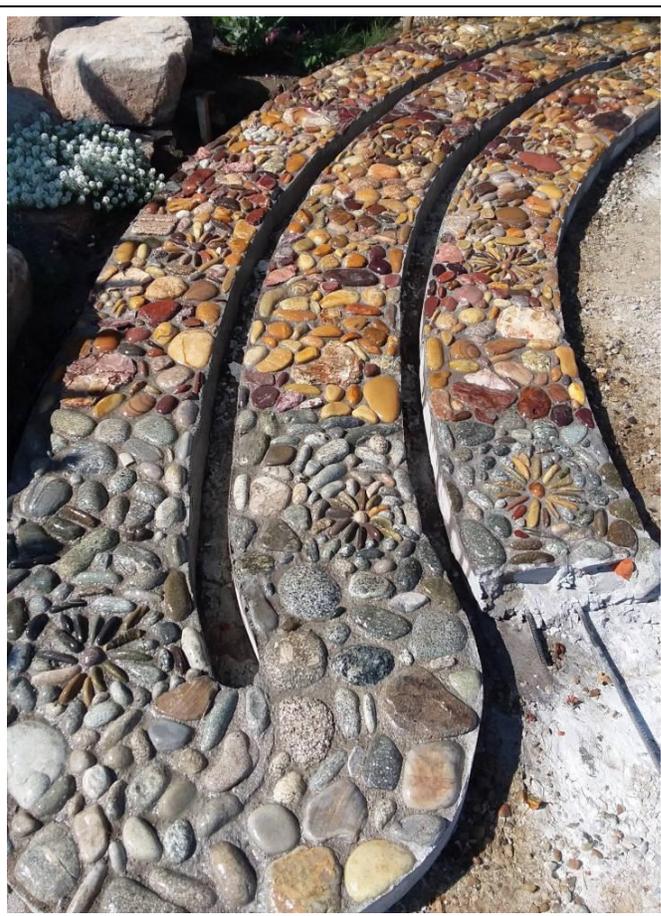
Prosser Labyrinth – By Kerry Norton

It is being built on the corner of 7th and Sheridan near downtown Prosser, kitty-corner from the Benton REA, and anyone can stop by to see its progress. Right now, it is about 30% done. I expect to finish it sometime next spring as progress is necessarily slow. On a typical day I will mix and pour two bags of mortar into forms and then insert selected stones into the mortar to make a mosaic pattern. Total building time will probably take at least 100 two-bag days. Most of the stones are river stones from local rivers and quarries, selected for their color and shape. The labyrinth has a number of themes and is divided into eight pie-shaped segments of different colors.

It has been (and will continue to be) a lot of work. Fortunately, I have had many people offer time and resources to help me work on it, including some of our club members. Allyson Leonhard and her husband Herb have helped with artwork and publicity (both are local artists); Tim Kuchler helped me move some very heavy glacial erratics for landscaping purposes and shared one of his favorite collecting sites so that I could get some lovely stone for the pathway; and former member Sean Hall has helped me in all phases of the project, including collecting trips.

I am having a lot of fun doing all this (did I mention it requires collecting and sorting over 4 1/2 tons of rock?) Only a rockhound would go to the trouble. Once it is over, I will go back to quicker activities like making spheres!

If you would like, I can offer periodic updates of my progress along with pictures. Our local river rock, so often overlooked for lapidary purposes, is very rewarding to work with in a project like this.



Saddle Mountain Field Trip

Date

- Saturday, September 24th, 2022

Where are we going

- Saddle Mountain, just north of Matawa.

Meeting Location and Time

- We will meet at 9:00 a.m. on Saturday, September 24th, in the Fred Meyer parking lot in Richland, near the McDonalds. We will be leaving at 9:30 a.m.
- Will stop at the Vernita Bridge rest stop for a break.

Vehicle Information

- SUV or higher clearance vehicle.

Things to Bring

- Shovel, pick, digging tools, bucket, digging cloths, good hiking shoes, hat, food and water.

What will we collect

- Petrified Wood

Reminder: There is not a potty at the dig site.

Have not seen any snakes where we are going, but....

Lakeside Gem & Mineral Club YouTube Channel

Did you know the Lakeside Gem & Mineral Club has a YouTube channel? To date we have presentations from select Zoom meetings and most recently videos from our annual show. In order to learn more about our members and to share your stories we would like to create a series of member videos highlighting your interests in rockhounding, jewelry making, mineral collecting, and whatever else brought you to the club. These would be short features – five to ten minutes – and could be recorded before or after club meetings, in your studio or workshop if you want to showcase your setup, or even at a convenient meet-up location like a park.

Fill out an interest card at the next meeting, or email the club if you would like to be profiled.

Growing Bismuth Crystals

You will need

- 10 pounds bismuth ore (minimum; ideally 20+ lbs) [~\$8-10 per pound]
- Heavy duty pot
- Turkey fryer or outdoor stove
- Propane
- Metal scoop
- Metal tongs
- Sheet pan
- Optional: Heat-proof silicone gloves; firebrick; waste container for slag; blowtorch

Directions

1. Place bismuth ore in pot and light stove. Completely melt bismuth.
2. Scoop away slag floating on surface. Repeat two to three times.
3. Turn off stove and let cool for a few moments.
4. Once top begins to solidify, carefully pull out crystals using tongs. Gently shake or let liquid metal drip off before removing to sheet pan. Be careful of drips! The metal is about 520°F.
5. Let crystals cool completely on the pan.
6. Pull as many crystals as you can before the solution solidifies. Reheat as desired. Bismuth can be remelted indefinitely, so put any failures back into the pot.

Notes

- Slower cooling allows larger crystals to form. The thicker the pot walls, the better. Surround the pot with firebrick to retain heat. Run the experiment outside on a hot day.
- A handheld blowtorch will easily remove dried bismuth from tongs and scoop if they get overly encrusted.

November Program
“Rocking With the Stars”
Annual Project of the Year Awards

Let’s finally get together and share the year’s rocks, projects, triumphs and tales with fellow club members. The more members that participate, the merrier the evening.

Time Period: Your entries must have been purchased, found or made between November 1, 2021 and October 31, 2022.

Remember: Only one entry per category per member. A member may enter one item in each category.

Category 1 - Best Color: This award is for the best or most appealing color in a rock or specimen – either rough or finished. You need to have dug it or found it yourself.

Category 2- Most Unique Rock: Do you have a rock with a story to tell? Can you see a picture in it, or does the shape remind you of something? Bring your unique piece and let us know what you see.

Category 3 - Best Fossil: Your fossil can be either found by you or purchased, and can be rough or in a finished presentation.

Category 4 - Jewelry: This category includes jewelry made using wire wrap, chain maile, torch on metal, lost wax or sand casting, Viking weave, or bead weave. It can be a pendant, ring, belt buckle, brooch, earrings or bracelet.

Category 5 - Faceter of the Year: Bring your bling and treat us to the sight of the best gemstone of the year that you have personally cut. The gemstone can be in a setting.

Category 6 - Cabochon of the Year: Show us your talent by entering the best-looking cab (intarsia and doublet or triplet included) that you personally cut and polished. This cab **should not be set** into a mounting so the judges can see your technique on the edges and back. **If your cabochon has been set, then it needs to be entered into category 4**

Category 7 - Silverpicker of the Year: Bring something (cab, stone, carving, rock, jewelry, etc.) that you have purchased at a rock show, rock shop, yard sale or from a hobbyist that will impress us.

Category 8 – Best Find: The best personal find of the year while out rock hunting. It can be a mineral specimen, gemstone or rock – either rough or finished. You need to have dug it or found it yourself.

Category 9 - Project of the Year: Show us your flair and skill by entering something that you have made between 11/1/2021 and 10/31/2022, and incorporates rock in some manner. It can be a sphere, bookends, a gem tree, a carving, an educational exhibit, or ??

PLEASE NOTE – JEWELRY YOU HAVE MADE MUST BE ENTERED IN THE JEWELRY CATEGORY.

Membership Application
Lakeside Gem and Mineral Club
January 1, 2023 – December 31, 2023

Dues are prorated according to the month you join. Date _____

___ Family - \$25.00 Join date (Jan-Mar) \$20 (Apr-Jun) \$15 (Jul-Sept) (List all of the Members of the immediate family to be covered by the family membership)

___ Individual - \$20.00 Join date (Jan-Mar) \$15 (Apr-Jun) \$10 (Jul-Sept)

___ Junior - Member only (is not a part of a family membership) - \$5.00 join date (Jan-Mar) \$4.00 (Apr-Jun) \$3.00 (Jul-Sept)

Please mail to: Lakeside Gem and Mineral Club Attn: Membership
PO Box 6652, Kennewick WA 99336-0603

Name(s) _____

Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

Email: _____ Email: _____

Junior Member(s) _____ Age _____ Birth Month _____
(6 - 16)

_____ Age _____ Birth Month _____

_____ Age _____ Birth Month _____

_____ Age _____ Birth Month _____

I would like to receive the Geode newsletter by: ___ mail ___ email

May we list your contact information on our local membership list?

(available to Lakeside members only) ___yes ___no

May we list your contact information in the NW Federation Directory?

(available to Federation members) ___yes ___no

Suggestions for meeting programs:

I would like to see a program(s) on _____

I would like to help with

Field trips ___ Membership ___ Newsletter Articles ___ Programs ___

Publicity ___ Junior programs ___ Mailings ___ Other _____

Please make check payable to:

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

Classifieds

Mike Zinski's Workshop for lapidary arts:

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

Saw oil purchasing information:

- Must be a LSGM club member to purchase saw oil.
 - Membership forms are available if you need to join.
- Oil \$12 per gallon.
Available in 5-gallon buckets, or bring your own containers

Tumbling grit all sold in 2# bags only:

- 80 grit: \$5.00 for 2# bag
- 220 grit: \$5.50 for 2#bag
- 600 grit: \$7.00 for 2# bag.
- Cerium Oxide Polish Powder: \$23.00 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.

Selling Items at Club Shows, Auctions and Other Club Related Activities

Items that could be sold at club shows, auctions and other club related activities:

- Rocks, Minerals, Fossils (specimens, rough).
- Lapidary and carving rough and associated equipment and supplies.
- Rockhounding equipment and supplies.
- Faceting rough and associated equipment and supplies.
- Gold Panning/Metal Detecting equipment and supplies.
- Flint Knapping equipment and supplies.
- Jewelry equipment and supplies.
- Magazines, books, DVDs, CDs, associated with any of the above items/topics.

In short, the items you sell **must be directly related to minerals, rocks, and fossils or jewelry.** Please remember what we sell reflects upon our club and tells the public what we are about!

Officers E-mail: lakesidegemandmineral@yahoo.com

President	Chris Sorensen	Director	Patrick Donohue
Vice President	Peter Kovich	Director	Jane Moore
Secretary	Sally Lyon	Fed. Rep.	Larry Hulstrom
Treasurer	Caroline Bowdish	Jr Club Leader	Pauline Schafer
Past President	Bill Hamel	Bulletin Editor	Patty DeForest

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:

Program Director: Duke Rauh
 Librarian: Walther Rohlfing
 Membership Coordinator: Kathy Larson
 Refreshments: Rhea Bowerly
 Historian: Mickee Madden
 Sunshine Chairman: Sally Lyon

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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