



THE GEODE

Lakeside Gem and Mineral Club, Inc. (LGMC)

www.lakesidegemandmineralclub.com E-mail: lakesidegemandmineralclub@yahoo.com

Volume 85, Issue 7

July 2015

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

August Meetings

Club: Wednesday August 5, 2015 – 6:30 social, 7:00 p.m. meeting.

Board: August 17th – 6:30

Seventh Day Adventist Church, 7305 W 10th Ave.,
Kennewick

Junior Club meets August 11, 2015 -- 6:30 pm; Banner
Bank, 203 W 1st Ave., Kennewick

Junior Club Leader Thora Trumbo (509) 582-4297

GEODE Submission Deadlines:

- 15th – member articles & photos
- Day after Board mtg. - officer & committee contributions

E-mail them to

mickeemadden@charter.net

or call (509) 438-5798 to make other arrangements

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August Program

We have a real treat for our August meeting. Central Washington University geology professor Nick Zentner will discuss gold deposits in the Swauk Mining District at Liberty, Washington.

August Bragging Table

August is peridot month. If you don't have a specimen of peridot, bring in a green rock, slab or crystal that has a story behind it.

NO JULY MEETING

• Jerry Senn will demonstrate water and gold dousing techniques from 6:30 to 7:00 on the church grounds prior to the August general meeting.

• Members will be asked for a wish list of potential speakers at an upcoming special event.

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Member contact information updates:

Please notify Cindy Guettinger at
clguettinger@att.net

Club Minutes – June 3, 2015

Club President, Evelyn Cataldo, opened the meeting at 7:00 p.m.

Secretary's Report

- The motion was made and approved to accept the Secretary's report as written.
- **Treasurer's Report** Provided by Bert Kaé-Je (not published per historic Board policy).

General Business

- Guests were welcomed.

New business

- Mickee Madden volunteered as Chairperson for the fair.
- Mary Lou Olmstead and Sally Lyon will coordinate the fall picnic in September.

Bragging Table – Evelyn Cataldo brought in a polished pink limb cast she found while rock hounding in the middle of the road. Ralph Eichner shared examples of petrified wood he collected in Oregon. Frank Olmstead showed jasper he collected during the field trip to China Hollow, as well as the effect of heat treatment on these slabs.

Door Prizes – Elody Mackey won a plier tool set, Chris Mackey, Bob Forsyth and Jerry Johnson took away a mystery rock, and Pat Snyder won a pyrite specimen.

Next Meeting: Wednesday, August 5, 2015, 6:30 social, 7:00 p.m. Program: Gold Mining at the Liberty Mine.

The meeting adjourned at 7:45 pm.

Respectfully Submitted, Sally Lyon, Secretary

Minutes – Board Meeting – June 15, 2015

Present: (Board Members) Evelyn Cataldo, Chris Sorensen, Larry Hulstrom, Marty Casto, Bert Kae-Jé, Wayne Larson, Sally Lyon. (Quorum present).

(Members) Kathryn Larson, Cindy Guettinger

Chris Sorensen called the meeting to order at 6:35 p.m.

Old Business

- Evelyn Cataldo made the motion to amend the minutes of the May Board meeting to state that membership renewal in the Mineral Counsel will be brought before LSGM club for consideration. Motion passed.
- The original motion was further amended to allow for research to be completed as to the cost, meeting logistics, delegate(s) etc. before presentation to LSGM for consideration of membership in the Mineral Counsel. Motion passed.
- Larry Hulstrom received the damage deposit back from the fairgrounds, (which was reportedly left in better shape than before our show).
- Kathy Larson will confirm motel accommodations for Nick Zinter, speaker at the August meeting.
- General discussion on LSGM insurance coverage.
- Evelyn Cataldo made to motion to forego the Board meeting in July. Motion passed.
- Keewayden Park has been reserved for our picnic on September 19 from 10:00 am to 4:00 pm.
- Larry Hulstrom will check on a facility in Richland which could possibly be used as meeting and/or class space.
- Treasurer's report – Bert Kae-Jé. (not published per historic Club policy).

New Business

- Marty Casto made the motion to ask for volunteers for an Officer Election Nominating Committee. Committee members will gather names for potential candidates. Motion passed.
- Evelyn reported that Judy Allison has volunteered to serve, and Chris Sorensen and Kathy Larson also volunteered.
- Fair Supplies: We have plenty of tumbled rocks, but do need a source for keychain blanks.
- Bert Kae-Jé shared that the silversmith class has enough participants to meet the Blickfelds' requirements.

The meeting adjourned at 7:55 p.m.

Respectfully Submitted, Sally Lyon, Secretary

The Junior Club June 9, 2015 meeting of the Lakeside Junior Rock Club was called to order by President Makenna at 6:38.

- Attendance was 8 juniors and 9 adults.
- New members are Olivia and Aurora.
- Mrs. Trumbo thanked Pat and Julia for helping with last meeting while Mrs. Trumbo was on vacation.
- Mrs. Gifford reported on field trip to Holleywood Ranch in OR. Mrs. Trumbo talked about other field trips.
- Mason, Olivia, and Aurora had birthdays.
- Mrs. Trumbo talked about a visit to the Reach Museum.
- Several members were door prize winners.
- Gage and Joy brought some interesting rocks for Show and Tell.
- There were no mineral of the month reports this month.
- Mrs. Trumbo gave us homework. Everyone is to pick a mineral of the month from the box and do a report. •

There is no July meeting so everyone has 2 months to work on their report. She also said everyone should fill out a badge request form so they can get a patch to sew on their sash.

• Ms. Lambert gave a program on tumbling rocks. She brought different barrels, grit, and rocks in different stages of polishing. Mrs. Gifford brought a vibrating tumbler filled with rocks in the polishing stage so we could hear how loud it is and we could see the rocks in motion.

• Mrs. Trumbo brought some granite she had collected for us at Lake Tahoe.

The meeting was adjourned at 8:05.

The next meeting is August 11, 2015

Respectfully submitted, Mersadie

The JUNIOR CLUB ASKS THE ADULT CLUB MEMBERS for more rock specimens from their travels or field trips. Variety is so important, so bring home a shoe box full for the students to add to their collections and knowledge. You are also welcome to come to Jr. Club meetings to share your stories, photographs, and collections. Your knowledge is how the students gain greater understanding and passion for the hobby, the science and the joy.

Thora recently made a trip to California & brought home samples from the Sierra Nevada Mts. and the students were thrilled! No matter where you go, there is something to peak the students interest too.

Adult Club member Pat Lambert got everyone excited about tumbling and polishing rocks. Although she doesn't claim to be an expert, she gave an excellent presentation and have us all believing we can now do it too! Thanks for sharing your experiences with us Pat.



GEMSTONE TREATMENTS

Jerry Johnson, Gemologist

Chemical Treatments

- The bleaching and dying of various gem materials has been employed for many years. One of the earliest treatments involved the use of acids and heat to stain agates. Concentrated hydrochloric acid was used to yield yellow, brown and reddish hues. Sometimes an iron salt or iron filings were added to the acid.
- Sulfuric acid and sugar were used to turn agate brown or black. This same type of treatment was also used on opals.
- Potassium ferricyanide was used to soak agates for a few weeks and then the agates were treated with ferrous sulfate solution containing a bit of sulfuric acid to produce a deep blue color.
- Ivory, coral calcite and pearls have also been dyed to various colors.
- In more recent times jadeite has been bleached by soaking in acid. This removes brown iron oxide stains. After bleaching the jadeite is impregnated with a polymer and the stones regain their translucency. While the treatment of many stones can be noted with examination under magnification, the treated jadeite can be proven to be treated only by techniques such as infrared spectroscopy.

Surface Coatings

- Plastic and epoxies have been used to coat porous and fragile materials. I have coated thin sections of ammolites with epoxy to provide stability.
- Various metallic coatings have been applied to cut gemstones. The “Aqua-Aura” stones were one of the first processes used to produce bluish tones on quartz and topaz. Sputter techniques were used to deposit a very thin layer of gold. Now various colors have been produced by applying coatings of bismuth, lead, chromium and titanium. There is even a “rainbow” iridescence caused by a coating of silver and platinum.
- Excellent color rubies have been made by growing a thin layer of synthetic ruby on top of colorless or near-colorless natural sapphire.
- Even diamonds have been color-altered by application of coatings. A notable example was recently noted by the GIA. A pale yellow stone had a coating applied to the pavilion and then the diamond became pink. Their evaluation suggested that the coating may have been calcium fluoride with gold.

The U. S. Law and Gemstone Treatments

- The gemstone treatments discussed in this series of four articles made it possible for average consumers to possess gems that were previously obtained only by wealthy people. However, the problem, as a result of these various treatments is that many people may not be properly informed of the treatment.
- The Federal Trade Commission has issued rules pertaining to gemstone treatments. The current rule states: It is unfair or deceptive to fail to disclose that a gemstone has been treated if:
(a) The treatment is not permanent. The seller should disclose that the gemstone has been treated and that the treatment is or may not be permanent; (b) The treatment creates special care requirements for the gemstone. The seller should disclose that the gemstone has been treated and has special care requirements. It is also recommended that the seller disclose the special care requirements to the purchaser; (c) The treatment has a significant effect on the stone’s value. The seller should disclose that the gemstone has been treated. [FTC, 2000a, p. 78743; 16 CFR 23.22]
- Unfortunately, enforcement has been a difficult task. The buyer needs to ensure that the dealer is an ethical one.

Information Resources

- I have used two main sources for the information in these four articles on gemstone treatments. The first comprehensive reference is a book entitled “Gemstone Enhancement”. The author is Kurt Nassau and the book was published in 1984 by Butterworths. A lot has changed since this book was published. So, the majority of the sources I used were many issues of “Gems & Gemology” which is published by The Gemological Institute of America (Carlsbad, CA). The journal is very comprehensive and is issued four times per year. Many of the articles are very technical and the subscription price is not cheap, but I regard it as being necessary for any jeweler or person doing appraisals.

GEMSTONE TREATMENTS cont.

These four articles were not comprehensive; that is, not all treatments and all gemstones were discussed, but the approach was an overview. If the reader wants to pursue this further then I recommend that they subscribe to Gems & Gemology.

VOLUNTEER NEEDED!

To Be Refreshment Coordinator

- * Solicit Club Members to Provide Refreshments
- * Submit Monthly Provider List to Editor
 - * Remind Monthly Volunteers
- * Purchase Cups, Plates, Etc. as Needed
 - * Store Supplies at Your Home
 - * Bring Supplies to the Meeting

Call Evelyn at 628-0170 if you can help the Club by being our Refreshment Coordinator

Raffle Drawing Winners

Laguna Lace Agate _____

Handmade Glass Bead – Linda Hammit

Carved Eagle – Rob Polson

Saginite Agate – Christine Morresey

Stone Bowl – Kimberly Reys

Polished Agate – Diana Barger

Jasper Belt Buckle – Jim Casset, Yakima

Jasper Pendant – Myrene Northy

Agua Nueva Agate – Rod Polson

Pyrite Gem Tree – Judy Borshe

Pottery Bowl – Judy Bolsheim

Petrified Wood Slab - Bert Kaé-Je

CLUB ELECTIONS ARE COMING UP SOON

At the October meeting, we will be electing a new secretary, treasurer and one director. If you are interested in running for one of these offices, please contact one of the members of the Nominating Committee prior to August 1st. The Nominating Committee will make a report at the August meeting. In addition, nominations may be made from the floor with the candidate(s) signifying his or her willingness to accept the nomination. The slate of nominees and an absentee ballot will be published in the September bulletin. The term of all board offices shall be two years. The newly elected officers will take charge at the November meeting.

Nominating Committee Members
Judi Allison
Kathy Larson
Chris Sorensen

Benton County Fair & Rodeo – August 25-29, 2015

Another year of fun at the fairgrounds!

- Through this event, our volunteers sit at a table and sell bags of tumbled rocks, plus give out brochures. Our volunteers receive **FREE Fair Tickets** for the days they work. They also get to interact with the people (especially the kids) who come to our table to buy our polished stones, and sometimes to ask questions about a rock they found. They can also fill out one of our forms to join the club. It's easy and fun! The four-hour shifts tend to pass quickly.
- We need at least two volunteers for each four hour shift. Sign-up sheets will be available at our August meeting.
- We also need volunteers to set-up six display cases. And we need to fill the cases with memorable specimens.

Rockhound Rendezvous

Saturday, July 18th

10:00 am to 2:00 pm

The Lakeside July field trip is a new concept. – an in-town rockhound experience! No long travel times, no overnight stay, no digging fees. Join your fellow Lakesiders to socialize, look at shop equipment, discuss lapidary techniques, and view a member's collection. Although the collection is not the Rice museum, it is probably in the top five collections for the Tri-City area. Bring any rock(s) that you would like to get identified. Bring a project you have recently completed or are working on to share with others. Come spend an hour or four hours – come and enjoy the company of your fellow rockhounds. At noon, we will have hot dogs and drinks. The Rendezvous address is 99509 E. Brandon Drive, Kennewick. Need directions? Call 628-0170.



Have you seen a Didymoceras lately?
Or some Clay Canyon Variscite?
No? Come on over and take a look !



Resources for Club Members

- *Rock saw oil.* Max Hatfield - (509) 582-6028
- *Tumbling grit.* \$2/lb. For every 5 lbs. of tumbled rock you donate, get 1 lb. of grit free. Frank & Mary Lou Omstead - (509) 783-2798

NFMS FIELD TRIP POSTPONED!

NFMS President Warren Rood contacted us June 16th to deliver the message that the NFMS Field Trip planned for July 3-6 has been postponed due to the extreme fire danger in the Oregon-Idaho area. The spring rains in the high desert area have yielded the highest grasses in many years. Now that the grasses have dried, they have had many fires and are expecting conditions to worsen.

The trip has been postponed until September 16-21. More news will be forthcoming at a later date.

Honeycomb Calcite by Maryann Benny

This is a piece of faced rough of Honeycomb calcite. Thought you may want to see how pretty it is. Only brought back a few pieces of the larger rough stones. Focused on cores, hollows, slabs, squares/cubes. This piece is what I have a ready photo of. It is actually a PREMIUM piece as the color is rich and the pattern out of this world. Not all Honeycomb calcite will have such great honeycomb pattern. The color also varies from light yellow to a rich amber.



LITTLE NACHES THUNDEREGG RHYOLITE TRIP
August 8-9, 2015

Contact Info: Heather Moon

E-mail: h_moon39@hotmail.com (Put Naches in subject so I can see it)

Home Phone: 509-586-1978 Cell Phone: 509-845-2687

- I will be leaving Friday afternoon, August 7th, and will be camping at Kaner Flatts Campground. Last year they advertised as \$12 per night for camping. This is the cheapest fee-camp area there and the spaces seem to be bigger. I have a large blue tent and a red Ford Taurus, unless I get to borrow my dad's truck again :). We are going to try to get the group camp spot which is located to the left when you enter the campground. It's near the restroom with running water. It is first come, first serve. It's a large open area where several tents can camp. There are a few pull in spots for those who have RVs that are not far away, also.

- We will meet at Kaner Flatts Campground at 10:00am, Saturday August 8th, and leave from there. I would like a list of those planning on attending so I don't leave before you all arrive. You will need rock picks, shovels, buckets, sack lunch, and plenty to drink. If you want to hunt for fossils, the best way to break the shale apart is with a metal paint spatula.

- There are three locations we will go to. There is an area with blue thundereggs which you have to walk in about ¼ mile, up hill. The second is for the green rhyolite with tiny thundereggs. This is right in the road cut, so no hiking long distance. The third is in between these two locations which is for fossil leaves, pine needles and flowers.

- For those planning on staying overnight, we will go to a fourth location Sunday morning, which is river walking for agate, jasper and thundereggs. Overgrown and can be hard to maneuver in spots. Bring plenty of bug repellent.

- Please contact me to be put on the list. If you send me an e-mail, I'll forward the map of the area to you. Hope to see you there!

LGMC Board of Directors

Officers E-mail: lakesidegemandmineralclub@yahoo.com

President	Evelyn Cataldo – 628-0170	Director	Wayne Larson – 586-1203
Vice President	Chris Sorensen – 392-1362	Director*	Yvonne Legare – 585-5514
Secretary	Sally Lyon – 947-8443	Federation Representative	Larry Hulstrom – 783-6210
Treasurer	Bert Kaé-Je – 582-3766	Junior Club Leader	Thora Trumbo – 582-4297
Past President	Marty Casto – 628-3509	Bulletin Editor	Mickee Madden – 438-5798

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

Assistant Junior Club Leader

The Junior Club meets the second Tuesday of each month, except July. The Club is generally designed for children between the ages of 8 to 16 years. Call Thora Trumbo at (509) 582-4297 to express your interest.

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. Call Evelyn Cataldo at (509) 628-0170 for details.



Club Affiliations:

American Federation of Mineralogical Societies (AFMS) <http://www.amfed.org>

Northwest Federation of Mineralogical Societies (NFMS)

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

American Lands Access Association (ALAA)

<http://www.amlands.org>

Member: Tri-Cities Visitor and Convention Bureau



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PO Box 6652

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Junior Rock Club
Program Announcement
August 11, 2015 6:30 pm
Banner Bank Basement
203 West 1st Kennewick WA

Wire wrapping

Mrs. Trumbo will present a program on wire wrapping. Learn how to make a piece of jewelry by learning a few simple wire wrapping techniques.

Announcement: **NO MEETING IN JULY.**

Jrs. Mark your calendar for Aug. 11, Sept. 8, Oct. 13, Nov 10, & Dec. 8