

The Rockytier



Lubbock Gem and Mineral Society

Monthly Meetings

General Meeting:

Tuesday July 7, 2020. 7 pm at Forrest Heights United Methodist Church, 3007 33rd Street, Lubbock, Texas.

Board Meeting:

Tuesday July 14, 2020. 6:00 pm dinner, 7:00 pm meeting starts at The Red Zone Café, 3602 Slide Road, Lubbock Texas.

Everyone is welcome at either meeting!

Upcoming Shows

August

1 - 2 Lubbock, Texas

21 - 22 Tahlequah, OK

September

10 - 11 Temple, Texas

November

7 - 8 Amarillo, Texas

7 - 8 Midland, Texas

Be sure to confirm before going!

Message from the President

Happy Summer everyone. Hoping everyone had a Happy Father's Day and a wonderful July 4th.

The civic center has confirmed they will be open by our show dates, August 1st, and 2nd, and we are still planning for the show that weekend. We are looking forward to seeing our regular vendors, a few new ones, and our faithful visitors that attend the show annually. We are hoping that COVID-19 is in the rearview mirror and that we will be able to see all of our club members at the show as well. We have missed seeing your smiling faces. If you want to work in one of the club areas, please reach out to Walt at walt@lubbockgemandmineral.org, or go to the club website and sign up for a time slot on the volunteering page (you must be logged into the website to see that page).

Our next meeting is on July 7th. We will be at the church as well as conducting the meeting via Zoom. Because we will have a limited number of club members at the meeting, in person, we are postponing Dinosaur Day and the club photo to a later date. Once rescheduled, we will let you know the new date. We will be voting on a By-Law Amendment to Article IV, Section 14. Only members who are present will be able to vote, so please attend if you possibly can. This amendment is needed to allow us to access our T. Rowe Price investment and be able to purchase a property as soon as we find one.

Along those lines, the club shed and trailer have been on my property for two years, next month. They need to be removed by July 2021, so we need to intensify our search for club property.

Looking forward to seeing you, either in person or virtually, in the coming weeks and at our show in August.

Michael Zink

June 2, 2020

Michael Zink called the meeting to order at 7 pm.

There were 8 members and 1 guest present, with 6 members on zoom.

Michael and Valerie took a truckload of cans to the metal recycler and made \$46.15 for the metal drive. Please continue to get your recyclables to them.

The update on the club show is "wait and see" since the City has not opened the Civic Center to hosting events yet.

The Zink's went on a scouting trip for a club field trip to the North Sulfer River in the Dallas area, and to Post Oak Creek in Sherman. They were looking for fossils and did find a shark tooth, but not much else. They recommended that we keep looking for somewhere closer to Lubbock.

Brian Owen suggested looking at the Texas Rocks and Fossils' Facebook page for ideas.

Tim stated that the workshop would be open on the 7th.

Brian told us about the Feather River Lapidary and Mineral Society 2020 worldwide tumbling contest. He entered the contest and will let us know how he did when the results are out.

Mark Smith talked about a Turquoise bracelet that he has been working on. Daniel talked about what he was working on and Tim and Diane showed some of the wire wrapping and stones they have been working on. Teresa showed us a new air plant (succulent) that she has.

The board meeting will be at the Red Zone and we can now have non-board members present.

Michael adjourned the meeting at 7:47 pm.

Sabrina Krieger, Secretary

Our annual show is just around the corner! We will need the help of every club member that is willing to come out and volunteer. We will be social distancing, and recommend everyone wears a mask. Hope to see you there!

Board Meeting Notes

June 9, 2020

Michael Zink called the meeting to order at 7:03 pm.

There were 10 members, and 1 guest present, with 2 members on zoom.

Sabrina read the minutes of the last board meeting. Tim gave the financial report and talked about the T. Rowe Price account. Our signature card needs to be updated and we need to provide them with a copy of the resolution authorizing the new signatures. We also need to update our by-laws to state who the authorized signatories are. Walt volunteered to write the draft changes. Sabrina made the motion to move ahead with the necessary changes. Jenny seconded, motion passed.

Walt talked about the show. There have been a couple of changes in dealers.

Jenny is still planning on making flyers for the kids at the show.

Michael said that the club just doesn't have the funds needed to buy property and build, so he is still looking for property that we could build on later, (baby steps), everyone please be on the lookout.

Tim asked for help from club members to move some things around and paint the floor of the shop, and in the process, make better shelving and/or storage space for the club. We will have a workday as soon as we have a plan.

Walt talked about fundraising opportunities. Amazon has a foundation and will donate .05% of sales to the club, from sales made to anyone that will designate us as the charity of their choice. We need to register with Guidestar first, they connect charities with hundreds of donors. He will get it set up and send out the info to club members.

Michael adjourned the meeting at 7:40 pm.

Sabrina Krieger, Secretary



Dinosaur bone ring cut and photographed by W. Beneze

The Rockytier July 2020

The deadline for submissions to the newsletter is the 20th of the month prior. Send to: walt@lubbockgemandmineral.org

The LGMS is a 501c(3) Educational Organization and can provide you with a tax write off for your donation! Like all non-profits, we rely on the generosity of people that contribute time and money to help promote our cause.

If you don't have time for meetings, but would like to contribute, we accept monetary donations, rock and mineral collections, tools and equipment, and even your collected "yard rock".

We also have an Endowment fund at Texas Tech that provides for a scholarship to students in the field of geology and earth sciences; Donations can be designated to that fund.

We have a building fund that will help us acquire a permanent place to hold meetings, house our workshop, and establish a museum of rocks and minerals. If you have a building or land that could help us reach this goal, please contact us today

SCFMS 2020 Convention

The 2020 annual SCFMS Convention and show will be held on October 10 & 11, 2020 in conjunction with the 51st gem and mineral show of the Tri-City Gem and Mineral Society at the Mayborn Civic and Convention Center in Temple, Texas.



www.scfms.net

AFMS 2020 Convention

The 2020 annual AFMS Convention and show will be held on October 16th, 17th, and 18th, 2020 in conjunction with the Knoxville Gem and Mineral Society's annual show in Knoxville, TN



www.amfed.org



Check out the Poozeum, a fascinating website that is all about Coprolite; <https://poozeum.com/>

Photo's W.Beneze

The Kids grand prize at our next show and sale is this 4 lb chunk of dinosaur poo! It has been cut and polished on two sides and will make a great conversation piece.

The drawing will be held at 4:45 pm on Sunday, August 2, during our show. Buying a kids ticket for the show get's you into the drawing.



Our grand prize for the adults this year is this beautiful petrified tree stump. Buying an adult ticket gets you into that drawing, which will be done at the same time as the kids. You do not have to be present to win, but you will have to buy a ticket.



Do you shop at Amazon? You can support the LGMS by selecting our organization to receive 0.5% of the cost your purchases at no extra cost to you! You shop, Amazon donates.

Follow the link below and log in to your Amazon account to begin. 100% of the donation amount generated from your eligible purchase on AmazonSmile will be donated. The donation amounts generated by your purchases are combined with the donation amounts from everyone that selected the LGMS, and each quarter the AmazonSmile Foundation will make a donation to the LGMS.

Be sure to bookmark the [smile.amazon.com](https://smile.amazon.com/ch/75-1746867) site and shop from there!

<https://smile.amazon.com/ch/75-1746867>

Sonnet To A Rockhound

They go searching and digging all around,
This 'strange bunch' called "The Rockhounds".
Looking for fossils, and rocks of every size,
And any little gems, that delight the eye.
After looking all day, it's homeward bound,
Smiling and musing over what they have found.
Now, to the 'saw', each rock must go,
Sanding and polishing them all just so!
Cabs, Bolas, pendants, spheres and rings,
And all too numerous other things.
Then it's back again, to look for more,
With the thought of rocks, their spirits soar.
God in his goodness, remembered "The Rockhounds",
That is why he scattered so many stones around.

By Betty B. Miller via The Lubbock Gem and Mineral Society
Bulletin 11/1966 [name later changed to The Rockytier]



Photo W.Beneze

Fossil shells replaced by calcite found in the roads of Central Texas



The Central Texas counties surrounding Limestone County are full of beautiful ancient marine shells replaced by calcite, both massive and crystallized. Luckily for the collectors of minerals and fossils, hundreds of miles of low traffic roads in Central Texas contain a wide variety of ancient sea life replaced by calcium carbonate. They are up on the surface of gravel and dirt roads, as snowy white gravel, stretching down the country lanes.



This area of collecting is centrally located between Interstate 35 and 45. Those highways run through Texas, connecting San Antonio, Austin, Houston, and Dallas. In between this area, vast deposits of limestone of very high quality are found and mined for agricultural and industrial use. It is often found as crushed aggregate used to cover the stone roads of backcountry Texas. Spiraling out of the central Texas area like a web connecting new developments with well-maintained farm routes, the white roads of Texas are often found to contain calcite crystals and calcite replaced marine shell fossils. Clams, Brachiopods, Turritella, Ammonites, and other interesting shells are found, often with cores and voids filled with crystals of calcite.

Getting to a collecting location is simple! Simply pull up Google Maps and take a look at a satellite view of Central Texas. As you get closer, look out for maintained county roads, which you will see, are bright white. This white color is caused by this limestone gravel. Make a note of these roads to inspect and take a trip to Marlin, Mart, Rosebud, Franklin, Calvert, Madisonville, and Crockett. Since there is ample loose gravel, do not DIG into the road or bother to take tools with you.



Loose Gravel. Mostly made up of calcite replaced shells. What an amazing collecting experience. Simply opening your car door will result in you finding a loose fossil. With smartphones, androids, and iPhones, simply using google maps while navigating will be all you need for a spur of the moment collecting trip. This area is a little over 3 hours from San Antonio, a quick 2 hours from Austin, Houston, and Dallas. It is a PERFECT field trip in all weather besides tornadoes and snow!

Story & photos from <http://WhereToFindRocks.com> used with permission

Household Products That Can Be Used As Rock Cleaners, by Betsy Martin

Safety: Always use plastic containers, rubber or nitrile gloves, eye protection, good ventilation, and great care when handling these products.

1. Zud or Barkeeper's Friend cleansers (contains oxalic acid) Warm or hot solutions will remove iron stains and are helpful with clay deposits. These cleaners can be used with a tooth brush on sturdy surfaces.
2. Toilet Cleaner (the hydrochloric acid type) Dissolves calcite rapidly. *** After treating anything with an acid, rinse very carefully and soak in ample fresh or distilled water for a while to leach out any acid remaining in crystal seams and fractures. You can then follow up with a final soak in dilute Windex to neutralize remaining traces of acid.
3. Lime Away (dilute hydrochloric acid) dissolves calcite more slowly. Rinse as you would for other acid treatments (see above).
4. Calgon—Dissolve this powdered water softener in water. Use for clay removal.
5. Vinegar (Acetic acid), soda water, colas (carbonic and phosphoricacids) -Will slowly etch out very delicate fossils in limestone. Rinse as you would for other acids (see above)
6. Iron Out (iron stain and clay remover) Mix with warm water and use with good ventilation. It will lose strength if stored. Rinse with plain water.
7. Bleach—Dilute solutions of bleach can remove organic deposits and disinfect minerals collected in areas used by livestock. Rinse with plain water.
8. Hydrogen peroxide—Use to remove manganese stains. Rinse with plain water.
9. Citric acid-Use to remove manganese stains. Rinse as above for acids.
10. Windex (with ammonia) A good clay deposit remover and final surface cleanup. Works well in ultrasonic cleaners. Rinse with plain water.
11. Distilled Water—Use to clean sensitive species and as a final soak after acid treatment.

Removing Thin Coatings:

1. On moderately hard minerals – use toothpaste (a feldspar abrasive) and a toothbrush.
2. On hard minerals—use toothbrush with pumice powder and water.
3. On calcite (including bruised places)-quickly dip in vinegar or Lime Away and rinse thoroughly. Repeat. Soak in plain water afterwards to leach any acid from cracks.

Cleaning Tools:

Toothpicks, seam ripper, bamboo sticks, sewing needles in a pin vise, old dental tools, old tooth-brushes, periodontal brushes, canned air, Exacto knife, single edge razor blades, cheap small stiff bristle brushes.

The LGMS meets at 3007 33rd Street, Lubbock Texas on the first Tuesday of each month at 7:00 pm. Membership is open to all interested parties. Visitors are always welcome! Annual dues are \$20 for Adults, \$10 for Students 16 years and older, \$5 for Students up to age 15, or a Family Membership for \$40. Exchange editors are free to copy anything of interest from The Rockytier provided credit is given to the author of the article and The Rockytier. Any content in this newsletter not attributed to someone else is from the editor.

The Lubbock Gem & Mineral Society is a non-profit organization recognized under section 501(C)(3) of the Internal Revenue Code as an educational entity. Donations in any form are tax deductible.

The purpose of this society shall be:

- ☐ To bring about a closer association of those persons interested in the earth sciences and lapidary arts.
- ☐ To increase, document and disseminate knowledge about geological materials including rocks, minerals, gems, fossils, historic and modern cultural lithic artifacts.
- ☐ To encourage the study, collecting and display of rocks, minerals, gems, fossils, artifacts, and the performance of lapidary and jewelry arts.
- ☐ To provide guidance, education and information; share ideas and techniques; and assist in the development and refinement of skills through the combined resources, knowledge and experience of the Society's Members.

Elected Officers & Directors who are voting members of the Board of Directors:

President	Michael Zink
Past President	Walter Beneze
Vice President	Mica McGuire
Secretary	Sabrina Krieger
Treasurer	Timothy McIntire
Director (first year)	Yvonne Hoffman
Director (first year)	Jennifer Philips
Director (second year)	Mark Smith
Director (second year)	Lisa Smith

Appointed voting Board Members:

Membership Chair	vacant
Club Workshop Chair	Dave Swartz
Show Chair	Walter Beneze
Newsletter Editor	Walter Beneze
Field Trip Chair	vacant

A Membership Directory w/contact info is on the website. You must be logged in to see it.

The Rockytier July 2020

Lubbock Gem and Mineral Society

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