

THE PICK & SHOVEL



In association with

The Official Publication of the

Lincoln Gem &
Mineral Club, Inc.



The Midwest Federation of
Mineralogical and
Geological Societies



The American
Federation of
Mineralogical Societies

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various Earth Sciences including but not necessarily limited to Geology, Paleontology and Mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, especially to youth and student groups.

DUES ARE DUE

GENERAL MEETINGS

Third Thursday of the Month, except for December and summer break

January 20, 2022
Bethany Park Shelter House
Juniors: 5:30 p.m.
Adults: 6:00 p.m.
(must vacate building by 8:00 p.m.)

BOARD MEETINGS

Until further notice, Board Meetings will be held at 6:30 on the first Thursday of each month.

Next Board Meeting:
Thursday, January 6, 2022 at 6:30 p.m.
Vera Lyman's Residence

Persons of general membership are invited to attend Board meetings and offer items for the agenda.

CLUB EVENTS

No club-organized **field trips** at this time.

The December Rock Party will be hosted by the Marburgers in Hickman on Saturday, **December 18 at 2:00 p.m.** Jim will smoke a beef roast and a pork roast for sliders. Bring sides or desserts. Bring your projects! There is equipment to use in the Rock Room.

The Mid-Winter Swap held the last Saturday in January has been **cancelled**.

The Annual Gem and Mineral Show is scheduled for April 2 & 3, 2022, at the Lancaster Event Center. COVID directives will determine if the Show will be held.

The Second Annual Summer Swap will be held at the Beer Family Farm on June 25 & 26, 2022. Outdoor event!! Watch for future flyers and information.

ANNUAL BOARD ELECTIONS

by Jayne Beer

The Annual Business Meeting and Elections were held on Thursday, November 18, 2021.

The following people were elected by acclamation to be your 2022 Officers and Board of Directors:

- President: Jayne Beer
- 1st Vice: Brett Jurgens
- 2nd Vice: Corey Beer
- Secretary: Jeff Kubitz
- Treasurer: Vera Lyman
- Board: James Marburger
Sharon Marburger
Ed Ridge
Charles Wooldridge

DECEMBER BIRTHDAY GREETINGS

Jim Atkins
Janette VanButsel



Please send your hobby-related photos with captions or explanations for publication in the Pick & Shovel. Field trips, lapidary projects, fossil projects, metal projects, wire wrapping, tumbling, or any other activity of interest to the club. Since we have limited meetings in person at this time, it is important to share with others what you are doing. Your project may inspire someone else.

Send via email (lgmc.editor@outlook.com) or via Facebook Messenger to Sharon Marburger (<https://www.facebook.com/mamamar7880>).

Please continue to do your part.

Wear a mask to the meeting.

Due to U.S. Postal Service changes, the new deadline for submissions to the P&S is the last Sunday of each month. I look forward to your items.

DUES ARE DUE
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PRESIDENT'S MESSAGE

by Charles "Wooly" Wooldridge

Welcome Jayne Beer and her new LGMC Board! I look forward to all the new ideas and actions the Board will take. It has been an honor and a privilege to serve as your President the past couple of years. Please give Jayne the support you have shown me and volunteer, as you are able, to assist her. It takes all of us.



I would like to tell you about another Rock Shop/Museum and small Private Museum. The former is a Rock Shop in Broken Bow, Nebraska called BONEYARD CREATION. The owner is Steve Sommer. He calls himself a "Baptist Geologist", a rare combination indeed. He has a fairly typical Rock Shop/Gift Shop with lots of rough lapidary material and many finished products. What is not typical is his Museum. It is a non-profit educational Museum for the purpose of displaying scientific evidence for Creation. He firmly believes in the Bible and considers it absolutely factual. Although I disagree with the "scientific" accuracy he espouses, I found it very interesting. The Museum is fairly self explanatory, complete with many fossils and artifacts, each well described representing the Creationist point of view. I found Steve to be very pleasant and engaging. He does not "push" his religious beliefs but will gladly discuss or explain them. Don't think you can dissuade him (or me, for that matter), but I really enjoyed visiting his Museum and listening to his explanations

The next place is equally "interesting". Craig Bernbeck bought the old Long Pine, Nebraska school a number of years ago. It is a large, square, three or four story brick building typical of small town high schools. It occupies a city block and has been creatively landscaped by Craig. You really have to see it, as words don't suffice. In the basement where Craig lives, is his Museum. The primary focus are the many Ice Age fossils he has found. The "gem" of his collection is a huge Pleistocene Beaver skull. It may be the largest ever found in Nebraska. Craig loves to show his collection and his tour is very educational and fun. Plan to spend a couple hours. Besides his creative landscaping and Museum, Craig is an Ambassador for transsexual youth. If he feels safe with you, he may explain. Don't be surprised if he shows up as Jessica. He is available by appointment, his number is engraved on a limestone Kansas fencepost at the corner of his block.

I hope to see you all at the Christmas Party, in the meantime take care and stay safe.

Photos by Beers & Marburgers

**NOVEMBER 2021 ROCK PARTY AT THE CAVE**

by Jayne Beer

It was a great turnout! I think 20 people attended. Thank you to everyone who came out on a Sunday evening.

We spent all day cooking. The hardest part was not knowing how many people would show up. As always, there was plenty of food to go around

It was great to see everyone, catch up on news, and get to talk rocks for a few hours.

Jim and Robin, a couple from central Nebraska that messaged me through the LGMC Facebook page, arrived with a chunk of jasper to be sliced. They were very friendly and interested in our club. Corey sliced off a piece of the jasper and it was beautiful! (Jim Marburger was given a chunk to take home to slab for them. It is really pretty.)

In recent weeks and months, we have done extensive renovations and reorganizations of the jewelry shop (The Cave). It was very exciting to be able to show it off.

Rock Parties are an enjoyable time. If you would like to host one, just let us know. If you have not attended one, you are missing out. There is always a lot of food, projects to work on, stories to tell and hear, and just plain camaraderie with like-minded people.

Watch the Pick & Shovel for dates and times of future Rock Parties.

Cheers from the Beer Family.



GENERAL MEETING MINUTES

by Jim Marburger, Secretary

November 18, 2021; Bethany Park Shelter House

Attendance: Members 20, Juniors 5, Guests 0

Old Business:

Minutes of the last general meeting were printed in the *Pick and Shovel*. Motion to accept the minutes as printed by James M., second by Vera. Passed.

Treasurer's Report was given by Vera L. Motion to accept the report by Jayne, second by Corey. Passed.

Announcements

Rock Party will be November 21, 2021 at 4 p.m. at The Jewelry Connection in the Indian Village Shopping Center. Soups and comfort foods will be the menu.

Reminder to check on the SUNDAY FUN AUCTIONS on the clubs Facebook page from 10 a.m. to 8 p.m.

OLD BUSINESS:

Christmas Party on December 5. Building opens at 5:00 p.m., meal at 5:30, meeting at 6:30, then Rock Bingo and gift exchange. Out of building at 8:00. Club provides tableware, fried chicken, and beverages. Attendees bring a hot and a cold dish. Gift exchange should be hobby oriented with a \$10 maximum.

Motion by Sharon M. to suspend the rule to call for nominations from the floor three times for each position and to only call for nomination once. Second by Jim M. Passed.

Chairman of the nominating committee, Jayne Beer, called for nominations for each position from the floor. Hearing none, the slate was accepted to be voted on.

Motion by Vera to accept the slate of officers by acclamation, second by Sharon. Passed.

Brett Jurgens and Jayne Beer accepted the Long Range Planning and By-laws committee positions for 3 years.

Vera Lyman, Jeff Kubitz, and Corey Beer accepted the open members for the Nominating committee.

NEW BUSINESS:

No new business.

SHOW REPORT:

Ten of the 14 dealer contracts are back at this time. Selling and non selling demo contracts have been sent out.

Motion to adjourn by Jim M., second by Sharon at 7:00 p.m. Passed.

The program was "Mound Builders" by Professor Emeritus Diffendal.

BOARD MEETING MINUTES

by Jim Marburger, Secretary

November 4, 2021 at the home of Vera Lyman.

Meeting called to order at 6:45 p.m. by President Charles Wooldridge.

Roll Call

President	Charles Wooldridge	Present
1 st Vice Pres	Jayne Beer	Present
2 nd Vice Pres	Brett Jurgens	Present
Treasurer	Vera Lyman	Present
Secretary	James Marburger	Present
Board:	Corey Beer	Present
	Sharon Marburger	Present
	Jeff Kubitz	Present
	Ed Ridge	Present
Visitors:	none	

Minutes of the last meeting were handed out. Motion to accept by Brett, second by Vera. Passed.

Treasurer Report was handed out. Motion to accept report by Ed, second by Corey. Passed.

Old Business:

Brett contacted Rowdy about the status of the lapidary class equipment; it has not been checked on for some time. They will attempt to visit soon.

The mineral identification test at last general meeting was fun and well accepted by the group.

The Sunday Auction on our Facebook page began and had items for the first time. The second auction was not used as much. A discussion about the general rules for the auction and it was agreed that "set your own starting bid" was a better way to go.

Reminder of the Christmas party. Building open at 5 p.m. with potluck at 5:30 and the Annual meeting at 6:30. Rock Bingo and gift exchange to follow. Out of building by 8:00.

New Business:

Program for next general meeting will be provided by Professor Emeritus Diffendal on the "Mound Builders".

Motion by Vera to accept the new members that have applied at this time. Second by Brett. Passed.

Brett asked if anyone had any Gless display cases that he could acquire for a display. It was suggested he contact the Columbus/Schuyler club.

Rock Party at the Jewelry Connection this month and the Marburgers on December 18.

Five dealers have returned contracts, the selling and non-selling demos contracts are ready to send out. A discussion on advertising resulted in having more electronics ads without the tv ads. Jim should also contact Allan Gossman for additional ideas on how to publicize

Motion to adjourn by Brett, second by Sharon. Passed.

Meeting adjourned at 7:00 p.m.

DUES ARE DUE

December Rock Party

When: Saturday, December 18, 2021
at 2:00 p.m.

Where: Marburgers in Hickman

Why: To have lots of hobby fun!

Jim will smoke a beef roast and
a pork roast for sliders.

Bring a side dish/dessert to pass.

Equipment is available to use
in the basement rock room.

Bring your projects.



J J & L Rocks & Minerals

After 45 years in business, Lee, Eric,
and Jim are retiring.

Final Auction

Everything Must Go!

**Polished Specimens,
Slabs, Cabochons,
Findings, Faceted
Stones and more**

Spring of 2022

330 Locust, Hickman, NE

<http://www.fordford.net>

(Watch for more information
as it becomes available)

Silversmithing Classes

The Jewelry Connection Ltd.

Indian Village Shopping Ctr.

13th & Arapahoe, Lincoln

Tuesday & Wednesday Evenings

7:00 p.m.—10:00 p.m.

Tuition: \$150 plus \$30 supply deposit

Tuesdays

Session 1: Jan 11—Mar 1
Session 2: Mar 8—Apr 26
Session 3: May 3—Jun 21
Session 4: Jun 28—Aug 16
Session 5: Aug 23—Oct 11
Session 6: Oct 18—Dec 6

Wednesdays

Session 1: Jan 12—Mar 2
Session 2: Mar 9—Apr 27
Session 3: May 4—Jun 22
Session 4: Jun 29—Aug 17
Session 5: Aug 24—Oct 12
Session 6: Oct 19—Dec 7

Contact: Jayne Beer 402-890-3307; jbeer60070@aol.com

TUMBLING MOZARKITE

<https://rocktumbler.com/rough/mozarkite/> via Halsey Farms Cattle and Mozarkite blog

Mozarkite is a local name for pieces of colorful chert found in residual soils and talus derived from the Cotter Dolomite at many locations in central and southern Missouri. It is also found as pebbles and cobbles in streams that drain areas near the Cotter Dolomite.

Most mozarkite is white, gray, or brown in color, but in many locations collectors can easily find beautiful pieces with patches and swirls of pink, red, purple, orange, and yellow. Rockhounds collect these colorful pieces and use them in a variety of craft and lapidary projects.



Mozarkite can be tumble polished using the standard rock tumbling instructions. We started with 1-inch to 2-inch pieces of broken mozarkite similar to the pieces shown in the photograph [here]. We tumbled them using the

steps shown below. Mozarkite is a very durable rock and required one month of tumbling in coarse grit to shape the stone to our liking. The tumbling was done using a Thumler's Model A-R1 and A-R2 tumbler.

- Two weeks in coarse grit (60/90)
- Two additional weeks in coarse for better shaping
- One week in medium grit (150/220)
- One week in fine grit (500F)
- One week in TXP aluminum oxide polish

That tumbling produced the stones shown in the photograph [here].



Chert? Flint? Chalcedony? Jasper?

Mozarkite is a local name, used for the colorful rocks found in Missouri. Similar rocks are found at many other locations throughout the world.

What kind of rock is it? Mozarkite is made up of the mineral named quartz and, the quartz in mozarkite is in crystals of microscopic size. Across the planet and through time, many different names have been used for rocks composed of microcrystalline quartz. Here are a few of them:

chalcedony, jasper, chert, flint. Each of these names is correct.

Chalcedony is a name used for any variety of microcrystalline quartz. Jasper is a name used for opaque chalcedony. Chert is a name that means a microcrystalline quartz that occurs as beds or nodules in a limestone or dolomite. Flint is a name often reserved for microcrystalline quartz that is fashioned into tools or weapons. All of these names are correct. Which name is proper? It often depends upon the background of the person speaking.

A gemologist might call the material that makes up mozarkite "chalcedony" or "jasper" based upon the material that it is composed of. A geologist might call them "chert" because it describes how they occurred within their parent rock unit. And, an archaeologist might call them "flint" because it refers to their use in tools. None of these names are incorrect. Each of these names is correct from a different perspective.

Official State Rock of Missouri

During the 1950s, rock tumbling and lapidary work became popular in many parts of the United States. Rockhounds in Missouri discovered that carefully selected pieces of mozarkite could be used to make beautiful cabochons, tumbled stones, and other lapidary items. Soon mozarkite was being mounted in jewelry and sold at local arts and crafts fairs. Many people were delighted by their colorful new "Missouri gemstone".

On July 21, 1967, mozarkite was adopted as the "official state rock of Missouri" by the 74th Missouri General Assembly. This generated significant interest in the stone, and mozarkite jewelry and other lapidary items started to appear for sale in local gift and tourist shops.

The Name: "Mozarkite"

Mozarkite is a portmanteau, a word that mixes the sounds and meanings of other words. The name "mozarkite" was created by combining the word "Missouri", the word "Ozarks", and "ite", a suffix that is frequently the last three letters of mineral names.

Other Examples of Mozarkite



statesymbolsusa.org



americangeosciences.org



lakeexpo.com

2022 BOARD OF DIRECTORS**President**

Jayne Beer, 402.890.3307, JBeer60070@aol.com

1st Vice-President

Brett Jurgens, 402.850.3256, quartz89@aol.com

2nd Vice-President

Corey Beer, 402.466.6628

Treasurer

Vera Lyman, 402.464.6089

Secretary

Jeff Kubitz, 402.540.9395, jkubitz@neb.rr.com

Board Member

James Marburger, 402.430.6703, james.marburger@outlook.com

Board Member

Sharon Marburger, 402.429.3323, lgmc.editor@outlook.com

Board Member

Ed Ridge, 402.805.8248

Board Member

Charles Wooldridge, 402.975.0416, charles.wooldridgeii@gmail.com

2022 LONG RANGE PLANNING & BY-LAWS COMMITTEE

Charles Wooldridge, Chairman

1 year: Charles Wooldridge
Sharon Marburger

2 years: Vera Lyman
Jim Marburger

3 years: Jayne Beer
Brett Jurgens

2022 NOMINATING COMMITTEE

Charles Wooldridge, Chairman

1 year: Brett Jurgens
Sharon Marburger

2 years: Jim Atkins
Corey Beer

3 years: Jeff Kubitz
Vera Lyman

ADVERTISING INFORMATION

Advertising by rock / hobby business or interest is permitted with the approval of the Board of Directors. Contact the Editor with your proposed ad. The rate is set at \$20.00 per full page; \$10.00 per 1/2 page; \$5.00 per 1/4 page (minimum) per issue, paid in advance to the Club treasurer. Ads will be placed throughout the newsletter as space permits.

STANDING COMMITTEES**Audio/Visual:**

Jayne Beer

Audit:

Ed Dvorak, Jayne Beer

James Marburger

Christmas Party:

Edward Ridge

Door Prizes:

Corey Beer, Brett Jurgens, Charles Wooldridge

Facebook:

James Marburger, Jayne Beer

Field Trips:

James Marburger

Historian:

Sharon Marburger

Legislative Liaison:

Susy McMahan

Membership Record:

Edward Ridge

MWF Liaison:

Vera Lyman

Programs:

Charles Wooldridge, Brett Jurgens

Property:

James Marburger

Recognition/Awards:

Ed Dvorak, Jayne Beer, Charles Wooldridge

Refreshments:

Vera Lyman

Show—2021:

Cancelled

Summer Swap—2021:

Corey Beer

Website:

Jim & Sharon Marburger

Youth Activities:

Brett Jurgens, Corey Beer, Sampson Bayer

DUES ARE DUE

MEMBERSHIP INFORMATION

Membership dues for the Lincoln Gem & Mineral Club are as follows:

- Adults (age 16 and over) - \$20 per year or \$30 per couple (within the same household)

- Juniors - \$3 per year (with a responsible adult)

All new memberships must be accompanied by a written application. Prospective members must gain Board approval and attend one regular meeting before paying dues. Applications are available on the website: <https://www.lincolngemmineralclub.org/about/membership>, or you may contact Treasurer Vera Lyman for a printed copy.

Mail Exchange Newsletters to:
Lincoln Gem & Mineral Club, Inc.
P.O. Box 5342
Lincoln, NE 68505-0342



Or e-mail newsletters to:
lgmc.editor@outlook.com

A color version of the Pick & Shovel is available at:
<http://www.lincolngemmineralclub.org/index.php/newsletters/current>

PICK & SHOVEL

2022 SUMMER SWAP COMMITTEE

Chairmen: Corey Beer, Jayne Beer
Vendors:
Finance & Ticket Sales: Vera Lyman
Floor Chairman: Corey Beer, Jayne Beer
Insurance Vera Lyman, Sharon Marburger
LGMC Club Booth:.....
Publicity & Promotion: Jim Marburger
Silent Auction:..... Sharon Marburger
Web Master: Sharon Marburger
Youth Activities: Brett Jurgens, Corey Beer

2022 SHOW COMMITTEE

Chairman: Jayne Beer
Dealers:..... Vera Lyman
Demonstrators: Vera Lyman
Displays:..... Ed Ridge
Event Center Liaison Vera Lyman
Finance & Ticket Sales: Jim Atkins
..... Vera Lyman
Floor Chairman: Corey Beer, Jayne Beer
Fluorescent Booth:
Forms..... Sharon Marburger
LGMC Club Booth:..... Charles Wooldridge
Nebraska Gem Dig:..... Charles Wooldridge
Plants: Ed Ridge
Printed Program: Sharon Marburger
Publicity & Promotion: Jim Marburger
Ribbons & Recognitions: Sharon Marburger
Security: Vera Lyman
Show Flyer Sharon Marburger
Silent Auction:..... Sharon Marburger
Special Features:
Web Master: Sharon Marburger
Youth Activities: Brett Jurgens, Corey Beer,
..... Sampson Bayer

DUES ARE DUE

PICK & SHOVEL STAFF

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DEADLINE:

Date of Board Meeting, usually the 1st Thursday of the month.