



PICK & SHOVEL

January 2018, Volume 60, Issue 5

Editor: Sharon Marburger

2018 MEETINGS AND ACTIVITIES

General Meetings:

Regular monthly meetings are held at 7:00 p.m. at the Bethany Park Shelter House. Youth activities begin at 6:00 p.m.

January 27, 2018

Mid-Winter Swap

- | | |
|-----------------------|--------------------------|
| Feb. 15 | Sep. 20 |
| Mar. 15 | Oct. 18 |
| Apr. 19 | Nov. 15 |
| May 10 (Special Date) | Dec. 2 (Christmas Party) |

Board Meetings:

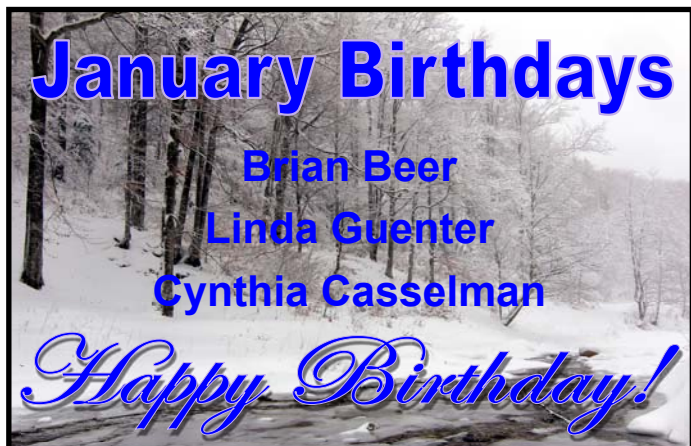
Board Meetings, unless otherwise stated, begin at 6:30 p.m. on the first Wednesday of the month, at the home of Vera Lyman.

- | | |
|------------------------|---------|
| Jan. 31 (Feb. Meeting) | Sep. 5 |
| Feb. 28 (Mar. Meeting) | Oct. 3 |
| Apr. 4 | Oct. 31 |
| May 2 | Dec. 5 |

Activities:

Mid-Winter Rock Swap: January 27, 2018
Set-up at 12:00 noon
Open to public: 1:00 - 5:00 p.m.

Dues are due!



PRESIDENT'S MESSAGE

by Jayne Beer

Greetings fellow rock hounds and welcome 2018!



As I write this, I reflect on the fun Christmas party that the club had in December. Carolyn does so much for her Mineral Monkeys and it is great to see how excited those kiddos are to receive those gifts and do the activities she prepares for them. THANK YOU, CAROLYN! The work that Sharon puts into preparing awards and presenting them is fantastic. THANK YOU, SHARON! Of course, Vera never ceases to amaze me. She makes sure that we have all the fried chicken to eat and makes sure we have drinks and plates and silverware. THANK YOU, VERA! And I don't think it is noticed enough the background work that Eddie does. He brought all the decorations and decorated for us. THANK YOU, EDDIE! Then there is Woolly! What a fun time we have playing rock bingo with him leading it. THANK YOU, WOOLLY! If you missed the Christmas party this year, make it a point to join us next year!

Here is something that I look forward to every year! The club's ROCK SWAP! It is Saturday, January 27th from 1:00 to 5:00 p.m. If you want to sell at our swap, just show up with your merchandise around noon. Here is how it works: sellers can get in at noon to set up their table. It costs \$20 for a full table or \$10 for a half table. The doors open to the public at 1:00, so you must be set up by then. This is such a fun event! We never know who will show up to sell, but the merchandise is always interesting! As it gets close to 5:00 Sharon or her appointee will go around and ask if you would like to stay for the pizza supper at 6:00 (we get Valentino's). There is a cost of about \$6 per person for pizza, lasagna, and salad, depending on Valentino's current prices. When the food arrives, we eat and have our general meeting. This is such a great day! Come and stay for the whole thing!!

REMINDER! DUES ARE DUE!

In this newsletter you will find the new amounts for membership dues. I hope that you are enjoying your membership in this club. There is so much fun to be had each month. Come to the general meetings and don't even think about missing the rock/grinding parties! And of course, we are busy planning for our annual show at the Lancaster Event Center in April.

Happy trails!

NOVEMBER BOARD MEETING MINUTES

By James Marburger, Secretary

Board Meeting, November 1, 2017, Lyman residence.

Meeting called to order by President Jayne Beer at 6:30 p.m.

Jayne Beer, President	Present
Charles Wooldridge, 1st VP	Absent
Sharon Marburger, 2nd VP	Present
Vera Lyman, Treasurer	Present
James Marburger, Secretary	Present
Ed Dvorak	Present
Ed Ridge	Present
Corey Beer	Present
Carolyn Ashmore	Present
Guest: Pat Dvorak	

Minutes of last meeting given out. Motion by Carolyn, second by Sharon to accept minutes. Passed: 8 yes, 1 absent.

Treasurer Report given by Vera. Motion by Ed D. to accept report, second by Carolyn. Passed: 8 yes, 1 absent.

OLD BUSINESS:

Audit Committee suggested to combine the 2016 and 2017 Audit. Motion by Jim, second by Ed D. Passed: 8 yes, 1 absent.

Red One Insurance Company to write new policy when the old one expires. A copy of the old policy was found.

New Editor to start in January for her first issue of the Pick and Shovel. (Cynthia Casselman)

Motion by Jim to adjourn to Executive Meeting of the Board of Directors and the By-laws Committee at 7:15 p.m. Second by Ed D. Passed: 8 yes, 1 absent.

General Board Meeting reconvened at 10:00 p.m.

NEW BUSINESS

The By-laws Committee presented an updated copy of the By-Laws to the Board of Directors. Motion by Jim to accept the changes and to present them to the rank and file for changes or approval at the next General Meeting (Annual Meeting). Second by Corey Beer. Passed: 8 yes, 1 absent.

No other new business was presented.

Motion to adjourn by Vera at 10:15 p.m., second by Corey. Passed: 8 yes, 1 absent. Meeting adjourned.

**Dues are now due!
They are delinquent
after January 31**

DECEMBER BOARD MEETING MINUTES

By James Marburger, Secretary

Board Meeting, November 29, 2017, Lyman residence.

Meeting called to order by President Jayne Beer at 6:30 p.m.

Jayne Beer, President	Present
Charles Wooldridge, 1st VP	Present
Sharon Marburger, 2nd VP	Present
Vera Lyman, Treasurer	Present
James Marburger, Secretary	Present
Ed Dvorak	Present
Ed Ridge	Present
Corey Beer	Present
Carolyn Ashmore	Present

Minutes of last meeting given out. Motion by Charles to accept them, second by Ed D. Passed: 8 yes, 0 no.

Treasurer's Report given out. Motion to accept by Sharon, second by Ed D. Passed: 8 yes, 0 no.

OLD BUSINESS:

Motion by Charles to upgrade and fill out size run of T-shirts for the Club, second by Sharon. Passed: 8 yes, 0 no.

Swap is set and advertising to go out soon. Please post on social media if you have a page that you use. Flyer on web site.

Christmas Party this weekend. Plans have been made for the food and rock bingo.

We will need a program for the General Meeting in February.

Motion by Charles for By-Laws changes to be handled in the same manner as elections. They should be presented to the Membership first, then published in the next scheduled Pick & Shovel, and lastly discussed and voted on at the next general meeting. Second by Sharon. Passed: 8 yes, 0 no.

NEW BUSINESS

Discussion of planning field trips in conjunction with the Rocky Mountain Gem Show, if possible, in Rapid City, South Dakota, July 20 – 22, 2018.

No other new business.

Motion to adjourn by Sharon at 7:50 p.m., second by Corey. Passed: 8 yes, 0 no.

**Single Adult: \$20
Couple in home: \$30
Juniors: \$3
with a paid adult**

GENERAL MEETING MINUTES

By James Marburger, Secretary

General Meeting and Christmas Social, December 3, 2017, Bethany Park

Youth meeting at 5 p.m.; supper at 6 p.m. Great food was provided and consumed by those in attendance.

Meeting called to order at 6 p.m. by President Jayne Beer.

Attendance: 19 adult members; 7 Mineral Monkeys and 4 visiting juniors.

Introductions of the new Board of Directors and officers for 2018.

Jayne Beer, President
Charles Wooldridge, 1st Vice President
Ed Ridge, 2nd Vice President
Vera Lyman, Treasurer
James Marburger, Secretary
Carolyn Ashmore, Board Member
Paul Ashmore, Board Member
Ed Dvorak, Board Member
Corey Beer, Board Member

Mineral Monkeys' Awards were given out by Carolyn. Landon received his new member patch. Aiden received his new member patch.

Sharon Marburger presented both MWF and AMFS awards for 2016 and 2017 entries. For the MWF, they were:

3rd Place Winner - Original Adult Articles, Advanced: James Marburger for "A Club Working Together is a Happy Club"

1st Place Winner - Original Adult Articles: Martin Dougherty for "Your Slab Saw Is Your Friend"

1st Place Winner - Written Features: James Marburger for "Dousing is Where You Find It"

2nd Place Winner - Written Features: Carolyn Ashmore for "Mineral Monkeys"

4th Place Winner - Written Features: Jayne Beer for "Wild Adventure Day"

5th Place Winner - Written Features: Ed Dvorak for "Central Oregon Rockhounding"

For the AFMS:

Honorable Mention - Original Adult Articles, Advanced: James Marburger for "A Club Working Together is a Happy Club"

2nd Place Winner - Written Features: Sharon Marburger for "Reaching Across Generations"

4th Place Winner - Written Features: James Marburger for "Dousing is Where You Find It"

Motion by Charles Wooldridge to adjourn the meeting to playing ROCK BINGO. Second by Corey Beer. Motion passed.

Meeting adjourned at 6:45 p.m. Bingo prizes were abundant, and games played until 9 p.m.



Photo by Paul Ashmore

J J & L Rocks & Minerals

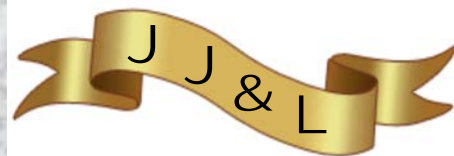
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James Marburger
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jjlrocksmin - Ebay Username



Proudly serving
the hobby for
42 years

MINERAL MONKEYS

By Carolyn Ashmore

Happy New Year Juniors!!!!

I hope you all had a wonderful Christmas with lots of family and goodies. LGMC had its annual Christmas Party last month. It sure was fun making candy cane ornaments out of tri-beads for your Christmas trees. We also had a couple new members (Landon and Aiden) receiving their Future Rockhounds of America membership badge that evening, and the food was delicious as ever. As always, Wooly did an excellent job at calling Rock Bingo, and everyone had a blast!!!!



This month's meeting is on a Saturday, January 27th. LGMC has its annual Mid-Winter Swap from 1-5 p.m. Come a bit early and take a look around. It is interesting, educational, and we have a silent auction which gives you a great chance to pick up some specimens for your collection, at a pretty good price. Our meeting will start shortly after the Swap closes and it will be a short meeting. The lesson is the continuation of all the different crystal shapes we started studying before the Holiday season. So, please bring a specimen from home and share it with all of us. You might want to write down where you got it as well as how long you've had it in case any questions come up. I will be bringing my beautiful black Tourmaline Crystal specimen I got from an auction in Crawford, Nebraska to share with all of you.

I want to remind all of you that the Swap is an event where you can redeem your earned Monkey Bucks. The LGMC Monkey Bucks can also be redeemed at the Show in April. Monkey Bucks can be earned monthly for attendances at any LGMC function (meetings, grinding parties, roadside clean-up, science fair, show, and so forth).

See you at the Swap and meeting! ROCK ON!!



The fun activity was making Christmas ornaments with beads and pipe cleaners.



Miss Carolyn had a fabulous idea for this year's Mineral Monkey gifts. She purchased plastic divided boxes with attached lids for the kids to house their specimen collections. Along with the boxes, members donated 17 different types of specimens for each junior! Fantastic! The kids were so excited and thrilled with their gifts.

Photo by Jayne Beer

LINCOLN GEM & MINERAL CLUB'S 39th Annual Rock Swap

Saturday, January 27, 2018

1:00 p.m. to 5:00 p.m.



!Free Admission!

**Help the Lincoln Food Bank replenish its shelves after the holidays.
Bring a canned item for the Food Bank.**

Bethany Park Enclosed Shelter

64th and Vine Streets

**Family
Friendly**

Jewelry

Fossils

**Silent
Auction**

**Buy
Sell
Trade**

**Lapidary
Supplies
&
Equipment**

**Rocks
&
Minerals**

Swapper Tables: ½ Table - \$10; Full Table - \$20 - Set up at 12:00 Noon.
Swappers are responsible for collecting Nebraska State Sales Tax and remitting it to the State.

Cash Sales Only!

**All sales must be completed using
SWAPPER DOLLARS which are available from the
Club Treasurer at a 10% surcharge, payable by the buyer.**



LINCOLN GEM & MINERAL CLUB
Box 5342
Lincoln, NE 68505-0342
Contact: Sharon Marburger, 402.429.3323





♪ Santa Wooly ♪
 ♪ Call the number
 that gives me a
 ♪ Bingo ♪

CHRISTMAS PARTY!

By Jim Marburger



B Photos by Jayne Beer & Sharon Marburger

The Christmas Party for the club, as always, is a great tradition and a sight to behold to finish out the year. Our club has 70 plus members, but attendance this year was thin. We are looking forward to next year as being a year of participation with all club activities.



On December 3, 2017, the Rock Club's Christmas Dinner at 5 p.m. was attended by 19 members along with 7 Mineral Monkeys and four guests. Ed Ridge and Vera Lyman furnished decorations. The main course of Super Saver fried chicken was provided by the club along with drinks and serviceware. Other attending members added many hot and cold dishes. Good amounts of desserts also adorned the table. What a fun feast.

Awards were given out by Carolyn Ashmore to two Mineral Monkeys for their participation in the Future Rockhounds of America Program this year.

Sharon Marburger had the privilege to announce the winning entries in the 2017 Bulletin Editor competition for the Midwest Federation of Mineralogical and Geological Societies. First Place Winners: Original Adult Articles: "Your Slab Saw is Your Friend" by Martin Dougherty and Written Features: "Dousing is Where You Find It" by James Marburger. Second Place Winner: Written Features: "Mineral Monkeys" by Carolyn Ashmore. Third Place Winner: Original Adult Articles Advanced: "A Club Working Together is a Happy Club" by James Marburger. Fourth Place Winner: Written Features: "Wild Adventure Day" by Jayne Beer. Fifth Place Winner: Written Features: "Central Oregon Rock-hounding" by Ed Dvorak. There was a snafu with the 2016 Bulletin Editors Contest where some entries did not get judged. So, for the 2016 MWF Bulletin Editors Contest: Second Place Winner: Written Features: "Reaching Across Generations" by Sharon Marburger.

A few members participated in the gift exchange.

Two hours of Rock Bingo followed the above awards. There were many great Bingo prizes that filled an 8-foot table. Everyone had a grand time.



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Photo by Paul Ashmore



DECEMBER ROCK PARTY

By Sharon Marburger

The December Rock Party was held on December 16 at the Marburgers. Attendees were invited to arrive as early as 3 p.m. in order to accommodate any other holiday plans that might conflict. The group of Ed Ridge, Charles Bachle, Ed & Pat Dvorak, Brian & Jayne Beer, Corey Beer, Nick & Nykky Lytle, Betty Selby-Syslo, Charles Wooldridge, and Jim & Sharon Marburger dove into the delicious meal of smoked meatloaf roll, rotisserie chicken, hamburger chili, chili beans, baked beans, kale salad, rolls, vegan banana muffins, and an assortment of desserts around 5:00. A little later, John Moss joined the group.

saw attachment on the Genie. Nykky worked at the second genie, polishing some stones. Betty ground and polished a stone for the very first time. She was so excited! Sharon took Betty on a tour of her silver smithing workroom. Jayne and Corey took a turn on the Genies, too. There was lots of fun and laughter.

Several people had other obligations and had to leave. The remaining folks talked rocks, field trip, and other hobby related subjects. In the living room, the television ran a football game, then Husker volleyball! The last of the group left around 10:30. It was an enjoyable afternoon and evening spent with friends and fellow rock enthusiasts.

AND, the Huskers won the volleyball game!

Nick immediately began cutting some stones using the



Nick, Nykky, and Charles examining the rock Nick cut open



Betty, Corey, and Jayne



Betty polishing her first stone!



John expressing delight over the food. (Not really) Haha!



STONES OF NEBRASKA: CELESTITE

Submitted by Cynthia Casselman

Celestite has a somewhat restricted geographic occurrence in Nebraska but is usually rather abundant when found. The Permian Fort Riley and Florence Limestones, exposed near Wymore, have yielded considerable amounts of blue celestite, popularly referred to as "blues". The celestite occurs in vugs in massive limestone and reasonably heavy tools are needed to collect it. Acicular crystals are found along Squaw Creek, near Wymore, Gage County.

Large, tabular, blue and colorless celestite crystals have been collected from the Cretaceous Carlile Shale near Hay Springs, Nebraska. They occur in septarians; heavy tools are needed to remove them. Small septarians (containing minute, colorless, acicular celestite crystals) have been reported from Loup River gravels at Fullerton, Nance County.

Copied from *Minerals and Gemstones of Nebraska: A Handbook for Students and Collectors* by Roger K. Pabian and Allen Cook.



Photo copied from mindat.org

A sample found near Wymore, Gage County, Nebraska

Celestite is also known as Celestine. It is a white, blue, or red mineral form of strontium sulfate with a hardness of 3 to 3.5 on the Mohs scale. The crystals are orthorhombic and generally appear in limestone nodules. Celestite is found in areas with halite and gypsum.

For those who believe in the healing power of stones, celestite is thought to be soothing, offering uplifting energy that expands one's awareness. Some use celestite to reduce stress and aid in sleep.

www.HealingCrystals.com



SHOW NEWS

The Show postcards have arrived! Let Jim Marburger know how many you need. Remember to take them to your locations of choice for the public to pick up. This is what the front side looks like:



You may also copy the poster on page 9 of this newsletter to hand out. Don't want a full sized page? Copy two to a page! Let's get the advertising out there!

Silversmithing classes

Tuesday Evenings
7:00 p.m. - 10:00 p.m.

The Jewelry Connection Ltd.
Indian Village Shopping Ctr.
13th & Arapahoe, Lincoln

Tuition: \$130 plus \$30 supply deposit

Schedule for 2018

Session 1: Jan 9 - Feb 27, 2018
Session 2: Mar 6 - Apr 24, 2018
Session 3: May 1 - Jun 19, 2018
Session 4: Aug 14 - Oct 2, 2018
Session 5: Oct 9 - Nov 27, 2018

Contact: Jayne Beer 402-890-3307
Judith Bay 402-423-7058
jbeer60070@aol.com

April 7 & 8, 2018

Diamond Festival

Lincoln Gem & Mineral Club's 60th Annual Show!

<http://www.lincolngemmineralclub.org>

FUN FOR THE WHOLE FAMILY



**Youth Booth
Dealers
Exhibits
Demonstrators
Nebraska Gem Dig
Fluorescent Display**

April 7 & 8, 2018

Lancaster Event Center

Lincoln Room

84th & Havelock

Lincoln, Nebraska

Saturday, 9 a.m. to 6 p.m.

Sunday, 10 a.m. to 5 p.m.

**Admission:
\$6 per adult**

\$11 2-day pass

**Children 11 and under
free with paid adult**

**\$1 off paid admission
with a can donation to
the Food Bank!**



ROCK TUMBLING IS EASY

Submitted by Cynthia Casselman

Copied from: <https://rocktumbler.com/tips/>

Using a rock tumbler to convert rough rock into sparkling tumbled stones is easy if you follow a simple procedure and observe a few rules. We are writing this to share the procedure and rules that we have been using for many years with a number of different rotary tumblers.

This procedure works well with most commonly tumbled materials, including agate, jasper, petrified wood, quartz, and other materials

with Mohs hardness of about 7. It also works well with materials such as natural and man-made glasses that have a hardness of 5 to 6. Examples are obsidian, Apache tears, and landscape glass. With these materials, the coarse, medium, and fine grit steps can usually be shortened to five days, but the polishing step should remain at seven days.

Working to transform rough rock into beautiful tumbled stones gives most people a great feeling of accomplishment. It doesn't matter your age or how many batches of rock you have tumbled in the past - the reward is there every time!

The Golden Rules

There are three important rules that we follow in all aspects of rock tumbling. These are: 1) "Garbage in means garbage out"; 2) "Avoid contamination"; and, 3) "Great results take time."

Garbage in means garbage out

If you start with garbage (low-quality rough), you should expect low-quality tumbled stones. So, don't hesitate to discard a rock that is porous, fractured, or that will not produce an attractive tumbled stone. You will spend a lot of time and valuable supplies tumbling a batch of rocks. Using quality rough saves time, gives you better value for your money, and produces tumbled stones that are of much higher quality.

Avoid contamination

You will use a different size tumbler grit for each step of the tumbling process. If coarse grit gets into your medium grit step, it will scratch up the rocks and you will need to do the medium grit step over again. So be sure that you thoroughly clean the rocks, the tumbler barrel, and your tools when you change from one grit size to another.

Another way that contamination occurs is when you use rocks that have a granular texture or are brittle. These rocks might break or shed grains or fragments in the tumbler. These grains and broken pieces can scratch up every rock in the barrel. Examine your rocks before tumbling, and don't tumble suspect rocks in the same barrel with your best rough. Treat new types of rough or suspicious materials with caution.



Great results take time

Don't be in a hurry. Spend time doing a great job. If you tumble a batch of rocks through the coarse grind and they still have a few rough edges or are not nicely rounded, don't hesitate to run them through that step again. Also, spend the time needed to thoroughly clean your work area, tumbler barrel, rocks, and tools between steps to avoid contamination.

Some tips from LGMC member Jim Marburger

As stated herein, rinsing well between grits is a must. I like to empty the contents of the tumbler onto a nylon window screen and rinse. To get a really good rinse, hold the four corners of the screen in one hand and dip into a 5-gallon bucket of clean water. You can then hold two corners in one hand, the other two corners in your other hand, and swish the contents back and forth, allowing the stones to roll and knock off any clinging grit. Once you are satisfied with the rinse, place the stones back into a fully cleaned tumbler, flake about a teaspoon of Ivory bar soap into the tumbler, add water and allow to run overnight. Fully rinse the next day, then progress to your next grit.

Use 1 tablespoon of grit per pound of rock. Add water to within 3/4-inch of top of barrel. Do not reuse grit as it loses its efficiency. However, you may use the polish a second time, but discard after that.

Never discard grit or polish down a sink drain or any other plumbing. The sediment turns to concrete and it will plug the trap and pipes.

Tumble stones that are similar in hardness - agates, jasper, petrified wood. Tumble obsidian and glass separately. However, should you need to add filler to your load, you may use tempered glass, such as car side windows.

Tumble stones of various sizes in a load to get a better finish.

After cleaning up after the polish step, burnish the load by covering the stones with water, add a tablespoon of flaked Ivory bar soap per pound of rock, and run for 12 to 24 hours. You will be amazed at the shine!

BOARD OF DIRECTORS

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Vera Lyman
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REPORTERS:

All members are encouraged to submit features, articles, poetry, or drawings.

LONG RANGE PLANNING & BY-LAWS COMMITTEE

Ed Dvorak, Chairman

- 1 year: Charles Wooldridge
Sharon Marburger
- 2 years: Vera Lyman
Jim Marburger
- 3 years: Pat Dvorak
Robert Gritmit

NOMINATING COMMITTEE

Ed Dvorak, Chairman

- 1 year: Robert Gritmit
Sharon Marburger
- 2 years: Jim Atkins
Andrew Tiedje
- 3 years: Linda Guenter
Vera Lyman

STANDING COMMITTEES

Audit:

Ed Dvorak, Jayne Beer
James Marburger

Christmas Party:

Edward Ridge

Facebook:

Andrew Tiedje

Field Trips:

James Marburger

Historian:

Sharon Marburger

Legislative Liaison:

Susy McMahan

Membership Record:

Edward Ridge

MWF Liaison:

Vera Lyman

Programs:

Jayne Beer

Property:

James Marburger

Recognition/Awards:

Charles Wooldridge,
James Marburger, Ed Dvorak

Refreshments/Door Prizes:

Vera Lyman

Roadside Clean-up:

James Marburger

Scholarship:

Vera Lyman

Show—2018:

Jayne Beer

Swap—2018:

Sharon Marburger

Website:

Jim & Sharon Marburger

Youth Activities:

Carolyn Ashmore, Cindy Ramey

2018 SHOW COMMITTEE

- Chairman: Jayne Beer
- Dealers:..... Vera Lyman
- Demonstrators: Vera Lyman
- Displays:..... Jayne Beer
..... Ed Ridge
- Event Center Liaison Vera Lyman
- Finance & Ticket Sales:..... Jim Atkins
..... Vera Lyman
- Floor Chairman: Ed Dvorak
..... Jayne Beer
- Fluorescent Booth: Ed Dvorak
- 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 Jayne Beer
.....Sharon Marburger
- Silent Auction:.....Sharon Marburger
- Special Features:..... Vera Lyman
- Web Master: Jim Marburger
.....Sharon Marburger
- Youth Activities: Carolyn Ashmore

ADVERTISING, SUBSCRIPTION, AND MEMBERSHIP 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.

Subscription to the Pick & Shovel is \$20.00 per year for mailed copy.

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 being approved for membership. Applications are available on the website: <https://www.lincolngemmineralclub.org/about/membership>.

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

The *Pick & Shovel* is the official publication of the Lincoln Gem & Mineral Club, Inc., Lincoln, Nebraska. Articles and items appearing within may be reproduced in other club bulletins, provided proper credit is given to the *Pick & Shovel* and the author.



All articles, tidbits, and photos not individually identified as being contributed to this publication are provided by the Editor.



**This Editor is
a member of
Special Congress
Representing Involved
Bulletin Editors**

A BIG THANK YOU!

A big thank you goes out to Cynthia Casselman for offering to take over as Pick & Shovel Editor. Due to circumstances beyond our control, Cynthia has had to rescind her offer.

She worked very hard on putting together the January issue of the Pick & Shovel, however, technical difficulties won out in the end.

The club appreciates her efforts and hopes that some day she will be able to take on the challenge again.

So, for now, THANK YOU, CYNTHIA!

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.