



# PICK & SHOVEL

January 2015, Volume 57, Issue 5

Editor: Sharon Marburger

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.

## 2015 Meetings and Activities

### Board

Wed., Feb. 4 (Lyman)

Wed., Mar. 4 (Gere)

Wed., Apr. 1 (Gere)

Wed., May 6 (Gere)

### General

Sat., Jan. 24 - Mid-Winter Swap

Thurs., Feb. 19

Thurs., Mar. 19

Thurs., Apr. 16

Thurs., May 21

### Activities

Science Fair - Mar. 3

Geology Day - Mar. 8

Show Setup - Apr. 3

Show - Apr. 4 & 5

Show Teardown - Apr. 5

Grinding Party - Jul 12

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

### **GENERAL MEETING**

Saturday, January 24, 2015

Mid-winter Swap - No program

### **MINERAL MONKEYS**

Saturday, January 24, 2015

Lesson: Earth in Space

## **REFRESHMENTS**

**Jan 2015:** Everyone brings snacks for Swap; Anniversary Cake

Vera has a sign-up sheet for refreshments. Please pick a month for which you would be willing to bring goodies, and sign up for it. There will be two families per month to bring refreshments.



### **JANUARY BIRTHDAYS:**

**Brian Beer  
Linda Guenter**

## **BOARD OF DIRECTORS**

### President

Ed Dvorak, 402.946.3041  
ed20649@windstream.net

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JBeer60070@aol.com

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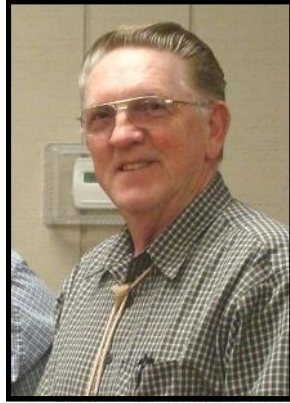
Susy McMahan, 402.464.0065  
blueriverjewelry@neb.rr.com

### Board Member

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lgmc.editor@windstream.net

## PRESIDENT'S MESSAGE

by Ed Dvorak



Happy New Years to everyone! Where did the time go? They say time goes fast when you're having fun, and it does for me. Lots of times I have to do things over because they were so much fun - not because I made a mistake or did it wrong the first time. This may be hard to believe, but it is ALMOST true!

Don't let the cold weather get you down; the days are getting longer now. Before long we will complain it is too hot.

I hope everyone is thinking of the SWAP that is coming up the 24th of January. It will be a good time to forget about the weather and have an enjoyable day with friends.

Turn all your clouds into sunshine and have a nice day.

## Silversmithing classes

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

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

Tuition: \$120 plus \$30 supply deposit

Session 1: Jan 6 - Feb 24

Session 2: Mar 3 - Apr 21

Session 3: Apr 28 - Jun 16

**\*\* Summer Break \*\***

Session 4: Aug 11 - Sep 29

Session 5: Oct 6 - Nov 24

Contact:

Jayne Beer 402-890-3307

Judith Bay 402-423-7058

or e-mail

[jbeer60070@aol.com](mailto:jbeer60070@aol.com)

# Don't forget the Mid-Winter Swap Saturday, January 24

Set-up tables: 11:00 a.m.

Booth set-up: Noon

Open to Public: 1:00 - 5:00 p.m.

Pizza Supper for club members follows at 6:00 p.m.

Meeting at 7:00 p.m.



LINCOLN GEM & MINERAL CLUB'S

# 36th Annual Rock Swap

Saturday, **JANUARY 24, 2015**; 1:00 p.m. to 5:00 p.m.

**Free  
Admission**

**Family  
Friendly**

**Silent Auction**



**Buy, Sell, Trade**

**Rocks, Minerals,  
Fossils, Jewelry,  
Supplies,  
Equipment**

**Bethany Park Enclosed Shelter**  
64th and Vine Streets

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

CASH SALES MUST BE COMPLETED USING SWAPPER DOLLARS. SWAPPER  
DOLLARS 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 JAYNE BEER, 402.890.3307

## DECEMBER GENERAL MEETING MINUTES (REPRINT)

December 7, 2014 General Meeting & Christmas Party  
Bethany Park Shelter House  
Respectfully submitted by Sharon Marburger, Secretary

- ◆ Meeting called to order by President Ed Dvorak at 5:57 p.m.
- ◆ There were approximately 25 adults and 10 Mineral Monkeys in attendance. One guest.

### OLD BUSINESS

- ◆ Minutes of the November meeting were tabled until January since the Pick & Shovel had not yet been published.
- ◆ The Treasurer's Report was read. Motion to approve made by Pat Dvorak, second by Richard Peterson. Carried.
- ◆ Reminder of Rock Swap to be held January 24, 2015. It will be 12:00 setup with 1:00 p.m. opening to public. There will be a silent auction during the swap. Members were asked to bring cookies, crackers, cheese, chex mix, and other simple snack foods. A pizza supper will follow the Swap for members and swappers, with a brief meeting to follow.

### NEW BUSINESS

- ◆ Vera Lyman made a Hospitality sign-up sheet available for bringing snacks to the monthly General meetings.
- ◆ No other new business. Meeting progressed to Awards and Recognition.

### AWARDS AND RECOGNITION

- ◆ For his many years of service to the club, Ed Ridge was awarded a Lifetime Membership. Eddie rarely misses a meeting or event, even attending Board meetings when not required. He usually stays in the background and is quiet, but he is a true asset to the club. Thank you, Eddie, for all that you do.

- ◆ The club Rockhound of the Year Award was bestowed upon Carolyn Ashmore. She met nearly all the criteria of the award. Her co-leadership of the juniors, and her organization of lesson plans and activities, has helped to increase that group significantly. Carolyn was absolutely flabbergasted at being honored with the award. Congratulations Carolyn!
- ◆ Sharon Marburger handed out Editor Awards received from the Midwest Federation and the American Federation. A list of winners will be published in the Pick & Shovel.
- ◆ Carolyn Ashmore and Susy McMahan handed out the Future Rockhounds of America awards to the juniors. There are five honor roll members from Nebraska, and all five are from LGMC! Way to go, juniors! A list of winners will be published in the Pick & Shovel.
- ◆ Membership pins were handed out by Richard Peterson. The LGMC pins have the number of years each recipient has been a member of the club, in five year increments. The three longest membership pins given out were for Vera Lyman at 35 years, Ed Ridge at 40 years, and Jim Marburger at 45 years.
- ◆ The meeting adjourned at 6:21 p.m. on a motion by Charles Wooldridge, second by Carolyn Ashmore. We proceeded to the potluck supper, followed by the gift exchange and Rock Bingo!

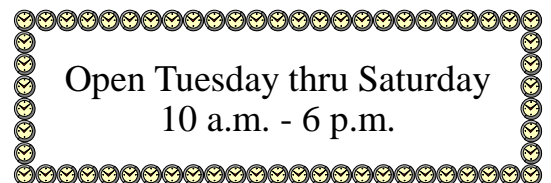
**Dues are due!**  
**Please pay**  
**Treasurer Lyman.**

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## ALAA EXCERPT AND NEWS

By Susy McMahan

As American Land Access Association (“ALAA”) representative for Nebraska, I wanted to share this with club members. Although we don’t live in Idaho, it is up to all rockhounds to keep public grounds open to collecting.

### WE MAY LOSE MORE IDAHO COLLECTING SITES—THE PROPOSED BOULDER-WHITE CLOUDS NATIONAL MONUMENT

By Dee Holland, ALAA Director, Salmon, ID

For a number of years, some legislators from Idaho have been trying to create more wildernesses in Idaho, as if we don’t have enough already. They haven’t succeeded, so the latest try is to make the Boulder-White Clouds area of Idaho into a National Monument, which does almost the same thing as making it into a wilderness area. If they write the law the same way they in Washington, DC, usually do, it will not allow “picking up rocks” and especially not “excavating” within the monument. Boulder-White Clouds is currently within the Salmon-Challis National Forest, which allows activities like rockhounding. Why fix what’s not broken?

Here is a list of areas within Boulder-White Clouds that I personally know have collectable rocks:

- East Fork of Salmon River through Herd Creek: agate, jasper, amethyst crystals and petrified wood;
- Trail Creek through Copper Basin: agate, jasper and petrified wood;
- Livingston Mine, which included specimen collecting on old mine dumps;
- Horse Basin: agate, jasper and petrified wood.

P.S.: Thanks to Shirley Metts of the Magic Valley Gem and Mineral Society for forwarding this important information. Shirley is an ALAA Representative for southern Idaho.

—From the ALAA Newsletter (July-Sept, 2014).  
ALAA is the lobbying arm of the American Federation, working on behalf of rockhounds to keep public lands open and accessible to all, including the elderly and handicapped.

I contacted Shirley Metts, who provided me with the names of people to contact and request the closure not happen. She says, “They have just advertised that 45 businesses have come out in support of closing the Boulder-White Clouds. They will not be happy to stop there either. The Governor “Butch” Otter, and two of

our congressional delegates are the ones to write to. I am attaching their names and addresses.” Shirley Metts’ e-mail is: [idaho-south@amlands.org](mailto:idaho-south@amlands.org) if you have any questions.

To contact:

#### **U.S. Senator James E. Risch**

United States Senate  
Washington, DC 20510  
tel: 202-224-2752  
fax: 202-224-2573  
Office is located in room SR-483 of the Russell Senate Office Building.

#### **Senator Mike Crapo**

239 Dirksen Senate Building  
Washington, DC 20510  
Phone: (202) 224-6142  
Fax: (202) 228-1375

#### **Governor Butch Otter**

Office of the Governor  
State Capitol  
P.O. Box 83720  
Boise, ID 83720  
Phone: (208) 334-2100  
Fax: (208) 334-3454

LGMC is a proud member  
of ALAA



**Donations for LGMC Juniors!  
Tumble your lapidary scraps and  
other small stones, and donate  
them to the Juniors for the 1,000  
grab bags currently in production  
by our volunteers. Other needed  
items include small fossils and  
minerals, and small, inexpensive  
trinkets.**

**Carolyn Ashmore and Susy  
McMahan send their heartfelt  
thanks, as do the Juniors!**

# No Rock Party in January!

If you are interested in hosting a Rock Party, please notify a Board member.

## MINERAL MONKEYS

By Carolyn Ashmore

Happy New Year, Juniors!

Our January 24th meeting will be about the solar system, meteorites, and we'll also look at some pictures of impact sights around the world.

With the Rock Swap the same day, it will be busy and we have a lot to cover before we start the sand art project next month. Please don't forget your Famous Craters Page and your Planet Labeling Page as we'll be talking about them.

As we talked about in December, I will have copies of the Midwest Federation 2015 Youth Poster Contest rules to hand out. This would be a great opportunity for all you rockhounds to make a cool poster and write about our state gemstone, rock or fossil. Prizes are given out to the best entries in each age group.

See You At The Swap!!!!!!

## ALL AMERICAN CLUB CONTEST

by Sharon Marburger

Hello clubmates! We have just completed an exciting and fun-filled year. I am betting that you have pictures of some of the activities. If you have not sent me your pictures, please consider picking out a few good ones and send them to me.

I will be doing my final compilation of the yearbook in the next 2 or 3 weeks. I would appreciate any items, including thank you notes for doing talks or presentations, copies of correspondence to legislators, or anything else to mark milestones of the club.

I look forward to your contributions!

Dues  
are  
due!



ZOETIS \* LPS \* NOVARTIS  
 SCIENCE FAIR  
 for 20 YEARS

Thursday  
 March 5, 2015  
 5:00 - 8:00 p.m.  
 \*\*\*\*\*  
 Lancaster County  
 Event Center

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 DATE

\*\*\*\*\*  
 Watch for  
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 registration  
 information  
 coming in  
 January!  
 \*\*\*\*\*

## WISCONSIN'S MOONSTONE

by Dr. William S. Cordua  
Emeritus professor of Geology  
University of Wisconsin – River Falls

As published in the MWF News,  
January 2015

Imagine an October full moon in Wisconsin glowing ghostly blue to yellow as it seems to float over the newly harvested farm fields. Or is this captured in the rock? In Wisconsin's own moonstone?

Wisconsin moonstone has been known for decades, but only recently have skilled lapidarists learned to work it to bring out its full beauty. This find surprises non-residents, who at generally associate Wisconsin gemstones with Lake Superior agates and nothing else. What is this material? How did it form? What causes its optical effect?

The moonstone localities are on private land in central Wisconsin, not far from Wausau in Marathon County. The mineral is a type of feldspar known as anorthoclase. This formed as a rock-forming mineral within the Wausau Igneous Complex, a series of plutons intruded between 1.52-1.48 billion years ago. There are at least 4 major intrusive pulses within the complex.

The anorthoclase is in the Stettin pluton, the earliest, least silicic and most alkalic of the plutons of the Wausau complex. This body is complexly zoned, largely circular in outcrop and has a diameter of about 4 miles. It is mostly made of syenite, an igneous rock resembling granite, but lower in silica and higher in alkali elements such as potassium and sodium. As such, it lacks quartz, but does contain a lot of alkali feldspar. Further complicating the geology is the intrusion of later pegmatite dikes. Some especially silica-poor varieties sport such odd minerals as nepheline, sodalite, fayalite, and sodium rich amphiboles and pyroxenes. Zircon, thorium, and various rare earth element minerals can be found in this pluton. Large prismatic crystals of arfvedsonite and nice green radiating groups of aegirine (acmite) crystals have been collected for years from these rocks. It is also the pegmatite dikes that contain the anorthoclase showing the moonstone effect.

The moonstone has been found in small pits and quarries and also in farm fields where masses weather out and get frost-heaved to the surface. The weathered masses of coarse cleavable feldspar may at first not look too interesting, but at the right angle the moonstone effect can be seen. The feldspar has two cleavages. The most prominent cleavage surfaces ( {001} for you crystallography buffs) do not show the moonstone effect – it is on the slightly less developed cleavage surface, {010}, that the effect appears. cursory glances at samples can cause good material to be carelessly discarded.

To understand what anorthoclase is and why it shows a moonstone effect, we need to describe a bit about the feldspar group of minerals. All feldspars are aluminum silicates that commonly contain varying amounts of calcium, sodium and potassium. At room temperature, the common feldspars break down into two basic groups. First we have the plagioclase group, which range from a pure sodium-rich feldspar called albite to a pure calcium-rich feldspar called anorthite. The minerals in this group, called a solid solution series, are related by progressive changes in the proportion of sodium and silicon to calcium and aluminum. Most plagioclase feldspars are somewhere between albite and anorthite, containing both calcium and sodium. A familiar example of an intermediate plagioclase feldspar is labradorite. Second we have the potassium feldspar (also called K spar for short), which, depending on the internal structure, could be any of the three polymorphs microcline, orthoclase, or sanidine. These feldspars may contain some sodium, also in solid solution, but at room temperature do not make a complete series with albite. Ah, but things are different at high temperatures.

At magmatic temperatures an alkali feldspar can form that contains much sodium and potassium in solid solution with each other. That is anorthoclase,

*(Continued on page 9)*



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## HAVING FUN: JUNIOR ACTIVITIES - CHILDREN NEED NOT APPLY??

By Jim Brace-Thompson, AFMS Juniors' Program Chairman

Within the past few weeks, I've had three experiences that can only be characterized as disturbing for anyone with an interest in mentoring kids and encouraging them in our hobby. The first was reading a club bulletin publicizing an upcoming field trip and extolling all the great stuff that would be found—only to conclude with the notice: “no children allowed.”

The second was a trip to an honest-to-goodness mom-and-pop rock shop while visiting relatives in another state. Emblazoned on the door was a notice that absolutely no kids under 8 were allowed inside, and even kids 8 to 16 had to be accompanied by an adult. The store turned out to be closed that day so I couldn't learn the reason behind these restrictions, but it wouldn't have mattered had they been open. My wife Nancy said that with a sign like that, she wouldn't have gone in even if they were offering a fire sale at 90% off.

Finally, in a newsletter article announcing an upcoming club trip, the notice was made, “Unattended children will be sold as slaves.” This last example was, no doubt, tongue-in-cheek to underscore the need for parental supervision, but still, even if in jest, it exudes an attitude toward and about kids that is less than welcoming. In the past, I've heard of clubs that didn't want to use our AFMS/FRA Badge Program because they didn't want kids mucking about in the club workshop or underfoot at club meetings.

I don't know if this can be characterized as a trend, but spotting three examples in under two months has made it especially noticeable. The fabled Golden Age of rockhounding is long gone, and we might be said to have regressed to a Bronze or even an Iron Age. Our privilege to collect on public (and even private) lands is under constant assault and restriction, interest in joining social groups (in-person as opposed to on-line) is dwindling, it proves harder and harder to recruit new members and officers to lead us, and into this environment, folks are actively dissuading interest by the up-and-coming generation? What's wrong with this picture?

Before I was even in school, I'd be out on my belly picking fossils from our driveway gravel. My parents said it was a wonder they never drove me over. Given my personality, some (including Nancy) might have paid them to do so, but far from it, they encouraged my interest, signing me up for field trips sponsored by the Illinois Geological Survey, taking me to my first rock show, and more. In 4H, when I

saw there were no units on rocks, our leader signed me up for their “Do Your Own Thing” program, which I turned into a fossil unit, crafting a booklet about fossils to go along with my small collection and getting my first blue ribbon at a County Fair. In church, our preacher engaged me in a discussion about how, viewed metaphorically rather than literally, the Seven Days of Creation could be seen as an early version of the Geological Time Scale. And in school, a teacher allowed me to do my research project on what killed the dinosaurs rather than on Chaucer like everyone else. (My conclusion: little green men from Mars. Even then, I wasn't a very good researcher....)

In short, at numerous junctures and in numerous contexts, people took an interest in my interest and encouraged me along. And these weren't even rock people. Shame on us if we can't take such an interest in a like-minded soul just starting out in the hobby we love and just trying to have fun!

As published in the *A.F.M.S. Newsletter*, Volume 68, Number 2  
– December, 2014-January, 2015

### COMMENTARY ON “HAVING FUN”

by Sharon Marburger

Thank goodness Jim Brace-Thompson's article does not apply to LGMC! We now have a wonderful group of 15 kids!

Although club members have tried for many years to build a youth group, success finally came to us for several reasons.

- ◆ Our dedicated co-leaders, Carolyn Ashmore and Susy McMahan. These two ladies work their tails off in planning and presenting interesting and fun topics for our kids.
- ◆ The membership of Corey Beer, who has now graduated to adult membership status. Corey's enthusiasm is contagious, not only to other kids, but to adult members, too. He has spoken at many school and youth-oriented programs.
- ◆ Word of mouth. The kids tell their friends about their cool specimens and awesome activities at the club functions.

*(Continued on page 9)*

## COMMENTARY - CONT'D

(Continued from page 8)

- ◆ Annual Show. Our Juniors have an entertaining booth at the Show. There are games, gem dig, coloring hobby related sheets, and other fun things. This year we will add grab bags to the booth.
- ◆ The generosity of the adult members of LGMC. Specimens and assistance from the adult members have encouraged the growth of the juniors. Who wouldn't like a new specimen for their collection?
- ◆ Jim Brace-Thompson. The glue that has made the LGMC youth group a prospering entity is this man. He provided the Future Rockhounds of America (FRA) program to anyone interested in promoting the growth of our young members.
- ◆ FRA. The program itself has provided structure and guidance, giving our leaders a tool to capture the interest and imagination of our kids.

There are other reasons for our growth, but these are the main ones (in my opinion). All of these intertwine to make a solid program.

I take this opportunity to thank everyone who has helped to make our Juniors' program a success. The kids are the future of our hobby.



## WISCONSIN'S MOONSTONE

(Continued from page 7)

which formed in the pegmatites of the Stettin pluton. Sodium and potassium ions have about the same size, change and bounding capacity, so fit readily in the same niches in the feldspar. But sodium and potassium aren't enough alike. If the feldspar cools down slowly, to below 400 degrees C, the feldspar structure contracts in size, and sodium and potassium are no longer good interchangeable fits. The homogenous anorthoclase splits on a fine scale into intergrown potassium feldspar and albite. Sometimes the bands of alternating minerals are coarse enough to see. Other times they are microscopic. If they are just the right size and spacing, they scatter the light that penetrates the various layers in the mineral – producing the moonstone effect, or schiller. The only anorthoclase that is truly not a mixture is that which cools very rapidly, such as in lava flows, so the separation cannot occur, and the mineral is frozen into its high temperature form. The material at Wausau cooled slowly, so isn't, strictly speaking, anorthoclase anymore, but an exsolved mixture.

The crystalline structure controls the orientation of these exsolution bands, hence the effect is seen better on some surfaces (the {010} cleavage for example) than at others. This is one reason why shaping the rough stone takes such skill. Other challenges are the weathered nature of some of the stone, and exploiting the cleavage directions inherent in the feldspar. The master of processing these stones is Bill Schoenfuss of Wausau, Wisconsin. Bill often exhibits and sells his beautifully prepared moonstone at shows in the upper midwest. He can be contacted at [wismoonstonewgs@gmail.com](mailto:wismoonstonewgs@gmail.com).

Moonstone has been prized as a gem since antiquity, often characterized as being like solidified moonbeams. The Greeks and Romans both related the gem to their moon gods and goddesses. The American Gem Society considers moonstone an alternate birthstone for June.

## J J & L Rocks & Minerals

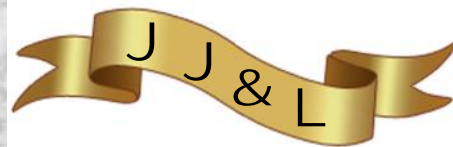
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| <b>STANDING COMMITTEES CHAIRMEN</b> |                                                |
|-------------------------------------|------------------------------------------------|
| Audit                               | Ed Dvorak<br>James Marburger<br>Roger Pittard  |
| Christmas Party                     | Edward Ridge                                   |
| Education / Librarian               | Charles Wooldridge<br>Judy (Leick-Cropp) Anson |
| Facebook                            | Andrew Tiedje                                  |
| Field Trips                         | James Marburger                                |
| Geology Day Coordinator             | Charles Wooldridge                             |
| Grinding Party Coordinator          | Charles Wooldridge                             |
| Historian                           | Sharon Marburger                               |
| Legislative Liaison                 | Susy McMahan                                   |
| Membership Record                   | Edward Ridge                                   |
| MWF Liaison                         | Vera Lyman                                     |
| Programs                            | Jayne Beer/Judy Anson                          |
| Property                            | James Marburger                                |
| Refreshments / Door Prizes          | Vera Lyman                                     |
| Roadside Clean-up                   | James Marburger                                |
| Scholarship                         | Vera Lyman                                     |
| Show—2015                           | Ed Dvorak                                      |
| Swap—2015                           | Jayne Beer                                     |
| Website                             | Jim & Sharon Marburger                         |
| Youth Activities                    | Carolyn Ashmore<br>Susy McMahan                |

| <b>ADVERTISING, SUBSCRIPTION,<br/>AND MEMBERSHIP INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>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.</p> <p>Subscription to the Pick &amp; Shovel is \$15.00 per year for mailed copy.</p> <p>Membership dues for the Lincoln Gem &amp; Mineral Club are as follows:</p> <p>Adults (age 16 and over) - \$15 per year or \$25 per couple (within the same household)<br/>Juniors - \$2 per year (with a responsible adult)</p> <p>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.</p> |

| <b>LONG RANGE PLANNING &amp;<br/>BY-LAWS COMMITTEE</b> |                                        |
|--------------------------------------------------------|----------------------------------------|
| Jim Marburger, Chairman                                |                                        |
| 1 year:                                                | Vera Lyman<br>Ed Dvorak                |
| 2 years:                                               | Edward Ridge<br>Robert Cropp           |
| 3 years:                                               | Charles Wooldridge<br>Sharon Marburger |

| <b>2015 SHOW COMMITTEE</b> |                                 |
|----------------------------|---------------------------------|
| Chairman:                  | Ed Dvorak                       |
| Breakfast:                 | Vera Lyman                      |
| Dealers:                   | Charles Wooldridge              |
| Demonstrators:             | Carrie Burkhardt                |
| Displays:                  | Jayne Beer, Ed Ridge            |
| Event Center Liaison       | Vera Lyman                      |
| Finance & Ticket Sales:    | Jim Atkins, Vera Lyman          |
| Floor Chairman:            | Dvorak/Wooldridge               |
| Forms                      | Sharon Marburger                |
| LGMC Club Booth:           | Bob Gruit                       |
| 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:            | Carrie Burkhardt                |
| Special Features:          |                                 |
| Web Master:                | Jim & Sharon Marburger          |
| Youth Activities:          | Carolyn Ashmore<br>Susy McMahan |

| <b>NOMINATING COMMITTEE</b> |                                  |
|-----------------------------|----------------------------------|
| Jim Marburger, Chairman     |                                  |
| 1 year:                     | Brad Nielsen<br>Roger Pittard    |
| 2 years:                    | Vera Lyman<br>Edward Ridge       |
| 3 years:                    | Robert Gruit<br>Sharon Marburger |

**If there is something you would like to do for the Show or to help with planning of the Show, let Ed Dvorak know.**



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# PICK & SHOVEL

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