



# PICK & SHOVEL

Lincoln Gem & Mineral Club, Inc.

Lincoln, Nebraska

[www.lincolngemmineralclub.org](http://www.lincolngemmineralclub.org)



Volume 53, Issue 9  
May 2011

## BOARD OF DIRECTORS

### President

Richard Peterson, 402-489-2996  
[padr20@yahoo.com](mailto:padr20@yahoo.com)

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[mmstewart@inebraska.com](mailto:mmstewart@inebraska.com)

### 2<sup>nd</sup> Vice-President

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### Treasurer

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### Secretary

Sharon Marburger, 402-792-2348  
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### Board Member

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[rowdycr@hotmail.com](mailto:rowdycr@hotmail.com)

### Board Member

James Marburger, 402-792-2348,  
[jm24122@windstream.net](mailto:jm24122@windstream.net)

### Board Member

Edward Ridge, 402-477-8469

### Board Member

Charles Wooldridge, 402-416-3233  
[charles.wooldridge@nebraska.gov](mailto:charles.wooldridge@nebraska.gov)

## GENERAL MEETINGS / ACTIVITIES

Regular monthly meetings are held at 7:00 p.m. at the Bethany Park Shelter House on the third Thursday of the month: Sep., Oct., Nov., Feb., Mar., Apr., and May; the second Sunday in December; and the fourth Saturday in January. Youth activities begin at 6:30 p.m. on the same dates. Summer meetings and other activities will be announced as they are planned.

### 2011 Meeting Dates

#### Board

Jun Social: Pittards' Residence  
(details next month)

Jul 10: Annual Grinding Party  
& Picnic in the Park

Aug Social: Woolly's Home

Aug 31 (Sep)      Sep 15

Oct 5                Oct 20

Nov 2                Nov 17

Nov 30 (Dec)      Dec 4

#### General

May 19

### General Meeting

May 19, 2011

7:00 p.m.

Program: "German Agates"

### Pebble Pups

May 19, 2011

Meeting at 6:30 p.m.

"Copper"

### Monthly Rock Party

May 21, 2011

6:00 p.m.

Hosted by Steve May

16300 Hickman Ridge Rd.

Roca, NE

(see inside for directions)

## BOARD MEETING

Summer break.

Next meeting: August 31, 2011 (September meeting)

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.

### PRESIDENT'S MESSAGE

by Richard Peterson

Our April Rock Party was hosted by Steve May at his home near Roca, NE. Steve and his wife, Carolyn, welcomed us in for a very enjoyable evening. After a delicious potluck dinner, centered around roast turkey, mashed potatoes, and gravy prepared by our hosts, we talked about how to make our annual show grow into an even more successful event. Then it was on to lapidary, good conversation, and learning more about our hobby



We are all looking forward to a summer of rock hounding and new finds. Our planned club field trip to Arkansas to hunt quartz crystals and diamonds will be a great opportunity for members to expand their summer adventures. With gas prices what they are, maybe we can consider carpooling and sharing the travel costs.



**ROCK PARTY**  
**Saturday, May 21 at 6:00 p.m.**  
**Steve May residence**  
**16300 Hickman Ridge Rd.**

**Our host will provide grilled hamburgers and cheeseburgers. Bring your hot and/or cold dishes to accompany this fare. There is always good food at our events so bring your appetites, too! Remember your hobby projects! We plan to have a fun-filled and educational evening!**

#### DIRECTIONS





- Go south on 68th Street from Saltillo Road (toward Hickman).
- Turn left (east) at Roca Road (flashing light).
- Go one block and turn right (south) on Hickman Ridge Road.
- 16300 is the 5th house on the left. The party will be held in the building to the south of the house. You may park in the house drive or the rock drive for the building.

### SCIENTIST SUNDAYS

**Sunday with a Scientist**  
**UNL: Morrill Hall**  
**Program Schedule**

May 15:	Extreme Weather
June 19:	Tissue Mechanics
July 17:	Fishes of Nebraska
August 21:	Climate Change
September 18:	Plants, Feeding the World
October 16:	Fossils
November 20:	Viruses
December 18:	Minerals & Gemstones

### REFRESHMENTS SCHEDULE

	<b>May 19: Cookies</b>	<b>Richard Peterson</b> <b>Sharon Marburger</b>
	Sep 15: Pies	Jim Atkins Charles Wooldridge
	Oct 20: Pies	Linda Guenter Vera Lyman
	Nov 17: Cookies	Stella Thiessen Andrew Tiedje

### SUNSHINE

If you have any news for our SUNSHINE corner, please let the editor know.

**No reported illnesses or deaths! Yea!!**

## GENERAL MEETING MINUTES

April 21, 2011, Bethany Park Shelter

The meeting was called to order at 7:02 p.m. by President Richard Peterson. Twenty-five members, two Mineral Monkeys, and two visitors attended. Visitors were Bill Rohren and Barb Walker, who stated they attended the show and wanted to check out the club.

### ANNOUNCEMENTS:

We had a great rock party at Steve May's place on April 16. Steve offered to hold the May rock party if no one else wanted to do it. Roger and Mary Pittard volunteered to host the June rock party and selected June 25 at 2:00 p.m. Charles Wooldridge volunteered to host the August rock party and he will announce the date and time later. The addresses and directions for all parties will be published in the respective issues of the *Pick & Shovel*. President Pete reported that the Board approved an investigative committee of one, Andrew Tiedje, to look into creating a Facebook page for the club. Andrew is scheduled to make the presentation at the May Board meeting.

The Midwest Federation Convention is slated for September 8-11, 2011 in Toledo, Ohio. The club needs to send delegates to the meeting. Jim and Sharon Marburger plan to attend, but they cannot be delegates as they hold Chair positions on the MWF Executive Committee. Members are encouraged to notify President Pete if they would like to be a delegate.

Pick & Shovel editor, Sharon Marburger, offered a heartfelt apology to the Pabian Memorial Committee. It was published that LGMC provided the chicken for the memorial when in truth it was purchased with individual donations.

### OLD BUSINESS:

The minutes of the March meeting were published in the *Pick & Shovel*. Charles Wooldridge moved to accept the minutes as published, second by Pat Dvorak; motion carried. The Treasurer's Report was read by Treasurer Vera Lyman. After some discussion, Jim Marburger moved to accept the Report as read, second by Ed Dvorak; motion carried.

### NEW BUSINESS:

The Board thinks it is a good idea to update the club's business card, making it generic so it won't have to be replaced on an annual basis. The question of how to pay for the cards was asked and it was decided the Board would look at the finances to determine how payment will be made.

Charles Wooldridge reported that UNL requested someone pick up the program slides belonging to Roger Pabian. Wooly will pick them up and keep them with the library for now.

Mary Pittard engaged volunteers to provide snacks for the September, October, and November meetings. Jim Atkins and Charles Wooldridge will take September and provide pies, Linda Guenter and Vera Lyman will offer October pies, and Stella Thiessen and Andrew Tiedje volunteered for November cookies. Many thanks to our volunteers.

### SHOW REPORT:

Although attendance was greatly reduced this year, probably due to excellent weather and the economy, the Show did amazingly well. The dealers reported being satisfied with their sales, and a preliminary report suggests the club stayed on the plus side of zero. Accolades go to Kay Jurgens and Dan (Cromer) Norris for another excellent job running the youth booth. There is no report from the UNL/State Museum regarding their booth. However, it was reported that Messrs. Harris and Joeckel found several items at the show to display at the State Museum's lapidary exhibit, and that they would also like to borrow our fluorescent display for the exhibit.

2012 Show Chairman, Ed Dvorak, states he already has a special feature for the 2012 Show. He would like to hold a brainstorming meeting in upcoming weeks.

### FIELD TRIPS:

Jim Marburger announced he is planning a trip to the Mt. Ida area of Arkansas in mid-August to collect quartz. The plan is to also spend a day at the diamond location. Watch the *Pick & Shovel* for more

*(Continued on page 4)*

## BOARD MEETING MINUTES

### LGMC Board Meeting, March 30, 2011, Gere Library

The April Board meeting was called to order by President Richard Peterson. Board members present were Richard Peterson ("Pete"), Al Stewart, Ed Dvorak, Vera Lyman, Sharon Marburger, Robert ("Rowdy") Cropp, Jim Marburger, Ed Ridge, and Charles Wooldridge ("Wooly").

### OLD BUSINESS:

Minutes of the March meeting were distributed. Wooly moved to accept the minutes, second by Ed Dvorak. Motion carried. The Treasurer's report was distributed. Ed Dvorak moved to accept the report, second by Al Stewart. Motion carried.

The Science Fair was attended by Ed Ridge; Jayne, Brian, and Corey Beer; Linda Guenter; and Susy McMahan. It was reported that approximately 1,000 people attended. Some attendees were interested in becoming members of the club.

The Pabian Memorial committee reported 54 RSVPs had been received thus far. Jayne Beer is making favors using basil.

Andrew Tiedje is slated to make the Facebook presentation at the May Board meeting.

Final preparations for the Show. Looking for volunteers to work the club booth. The new banner was handed over to Ed D. The Stewarts have the certificates ready to go. Ed D. will provide a telephone interview with KFOR at 8:15 a.m. on Thursday preceding the show.

Business cards were discussed once again. Jim Marburger will look into getting some made.

### NEW BUSINESS:

A brief discussion was had regarding field trips. Suggestions were a trip to Arkansas, possibly in August; a trip to the Bartels Museum at Concordia College in Seward; and perhaps a trip to the Des Moines area to collect Coldwater Agates.

The meeting adjourned at 7:16 p.m. on a motion by Ed Dvorak, second by Rowdy Cropp. Motion carried.

Respectfully submitted,  
*Sharon Marburger*

## GENERAL MEETING MINUTES - CONT.

*(Continued from page 3)*

information.

The meeting adjourned to program at 7:41 p.m. with a motion from Jim Marburger, second by Ed Dvorak. Motion carried.

### PROGRAM:

The program on Stromatolites was presented by Charles Wooldridge. Wooly has first-hand knowledge on the subject as he spent his last vacation at Laguna Bacalar. It was a very nice program. Thanks Wooly!

## J J & L Rocks & Minerals

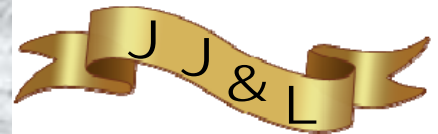
P.O. Box 68  
Hickman, NE 68372

330 Locust  
Hickman, NE 68372

John Harrison  
Lee Harrison  
402.792.2337

James Marburger  
Sharon Marburger  
402.792.2348

jimandjohn@jjlrocksandminerals.com  
www.jjlrocksandminerals.com  
jjlrocksmin - Ebay Username



Proudly serving  
the hobby for  
35 years

## ONGOING PROJECTS / EVENTS

### SPECIMENS FOR SCHOOLS

We are still collecting samples for the Lincoln Public Schools' (LPS) 5th grade science classes. The requested specimens are to be 1 to 2 inches in size, and 12 to a bag. If possible, a minimum of 12 bags are requested per specimen. (To help with the confusion, this would be 144 pieces of any one specimen.) The bagged specimens are to be given to Vera Lyman for delivery to the LPS contact. The list of requested specimens is below:

1 Quartz	13 Obsidian
2 Feldspar	14 Pumice
3 Mica	15 Sandstone
4 Calcite	16 Shale
5 Halite	17 Limestone
6 Talc	18 Chalk
7 -----	19 Coal
8 Pyrite	20 Marble
9 Copper Sulfide	21 Slate
10 Sulpher	22 Quartzite
11 Granite	23 Petrified Wood
12 Basalt	24 Fossil Gastropods

### HOBBY FUN

Would you like to have some hobby fun? Consider hosting a monthly Rock Party. It doesn't matter where you hold it. All you have to do is set the date and time, provide place settings for the potluck, and have areas to work in and chairs or floor to sit on. Let a Board Member know if you are interested in hosting.

Still Available in 2011:

September, October, November, December

### ON THE HUNT

The Club Library is missing the following issues of the *Lapidary Journal*:

1960 - February	1978 - March
1968 - April	2002 - May, June
1969 - April	2006 - April

If you spot any of these issues, please purchase them and let Wooly, Judy Cropp, Vera Lyman, or Sharon Marburger know. You may donate them or be reimbursed.

### 2011 ALL AMERICAN

As contributors can attest, it is much easier to supply information for the next All American Club Award Application as events happen, while details are fresh in your mind, and while you can still find photos and thank you notes. This is a great way to preserve the club's history, and you are a part of it!

If you make any presentations, programs, take pictures at club events, or anything else to benefit the club, please provide copies to Historian Sharon Marburger for inclusion in the application. The application can be compiled as the year progresses, ensuring our history is not lost.

And - Sharon thanks you!



## SCIENCE FAIR

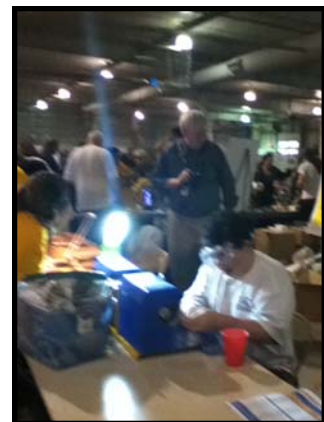
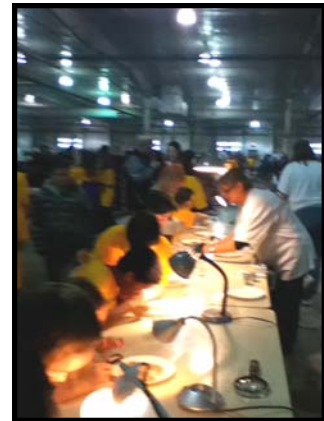
by Susy McMahan

On March 29, 2011, members of the Lincoln Gem & Mineral Club were invited to demonstrate at the Lincoln Public Schools/Pfizer/Novartis Science Fair. This is an activity that club members have enjoyed doing for many years! Around 500 fourth and fifth grade students submit their science projects to be judged. While they are waiting, several groups provide entertainment for the young scientists. Our site has always been a popular one. Club members Charlie and Karen Messenger also set up a fossil and bone display, and have done so for many years.

This year we decided to have a “gem dig”, as the Science Fair has moved to a larger building. Jayne Beer, Linda Guenter, and Susy McMahan ran the gem dig, using “salted” pebbles with materials donated by many club members. Although he could not be there, Charles “Wooly” Wooldridge donated great gravel that was “salted” with raw emeralds, arrowheads, fossils, and all kinds of cool stuff that made the demonstrators want to dig!! Corey Beer (our then 12-, now 13-year-old member) demonstrated lapidary, enthusiastically answering lots of questions. Ed Ridge brought fossils, a big chunk of selenite and many other specimens. He explained it all to the kids and, of course, handed out samples. He was our go-to man for questions!

One regular attendee was missing; Roger Pabian, who passed away last December. We will have to go on without him, although much of what we know, we learned from him!

Photos courtesy of  
Susy McMahan



## LINCOLN CURIOS ROCK SHOP

6625 Burlington - Lincoln, NE 68507 [Park in alley]  
(402) 310-3307

### ► SPECIALIZING IN ARIZONA PETRIFIED WOOD ◀

- ◆ Rough stones and fossils for the hobbyist
- ◆ Polished stone items for interior décor
- ◆ Great selection of tumble-polished stones
- ◆ Natural petrified wood for landscaping

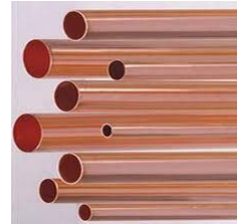
Open Tuesday thru Saturday  
10 a.m. - 6 p.m.

# MINERAL MONKEYS



Hello Monkeys! Mrs. Thiessen will have a lesson on **copper** at the May meeting. I have put together a puzzle of words associated with copper, and some locations where it is found. There is also a bonus question:

What U.S. coin contains the most copper?  
 (A) penny (B) nickel (C) dime (D) quarter



L	W	U	S	N	H	A	R	D	W	A	R	E	C	D
I	P	E	T	I	R	P	U	C	C	T	I	P	H	N
N	E	R	A	W	K	O	O	C	E	S	B	I	A	R
A	E	C	T	I	E	C	T	I	T	U	R	P	L	M
N	U	R	U	E	T	I	C	O	C	L	A	H	C	I
A	N	T	E	Z	N	O	R	B	A	F	S	A	O	G
T	E	C	O	I	N	S	W	T	L	I	S	T	P	N
N	W	C	F	W	Y	O	D	P	R	D	A	U	Y	I
O	M	O	L	P	R	O	X	I	D	E	D	L	R	B
M	E	D	I	C	A	L	T	O	O	L	S	V	I	M
A	X	C	B	W	Y	E	T	I	R	O	N	E	T	U
M	I	O	E	P	R	V	R	A	R	E	A	R	E	L
H	C	D	R	R	A	R	I	Z	O	N	A	Y	O	P
L	O	D	T	N	E	M	E	L	E	E	C	A	R	T
N	J	G	Y	T	I	C	I	R	T	C	E	L	E	C

ARIZONA

BRASS

BRONZE

CHALCOCITE

CHALCOPYRITE

COINS

COOKWARE

CUPRITE

ELECTRICITY

HARDWARE

MEDICAL TOOLS

MONTANA

NEW MEXICO

OXIDED

PIPE

PLUMBING

STATUE OF LIBERTY

SULFIDE

TENORITE

TRACE ELEMENT

UTAH

*Puzzle manually created by Sharon Marburger.*

# April



The April Rock Party was held at Hickman, Nebraska, in the shop of Steve May. Steve and his wife, Carolyn, provided a scrumptious main course for the potluck, and great accompaniments were brought in by the attendees.



Photos courtesy of Jim & Sharon Marburger

Those in attendance, in addition to our hosts, were Richard "Pete" Peterson, Al Stewart, Judy & Robert "Rowdy" Cropp, Jim & Sharon Marburger, Vera Lyman, Ed Dvorak, Ed Ridge, Richard Lieb, and Susy McMahan. Brian, Jayne and Corey Beer arrived after most of the others had left.

Prior to delving into the hobby crafts, the group held a brainstorming session on how to make the show better. Lots of good ideas were shared.

Ed Dvorak and Al Stewart worked on wire wrapping for awhile; Vera Lyman and Sharon Marburger developed a database of the library contents; Susy McMahan and Al Stewart looked over a box full of dopped stones; Pete wandered around and dabbled in everything, and everyone else worked cabochons.

Rowdy was working on a nice stone when it broke. No swearing was heard, but the agony was felt across the room.



## Silversmithing classes

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

Tuesdays

May 3, 2011

thru

June 21, 2011

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

**Tuition: \$100 plus \$25 supply deposit**

**Contact:**

Jayne Beer 402-890-3307

Judith Bay 402-423-7058

or e-mail

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

## LEGISLATIVE ALERT

by Richard Peterson

Niobium mining in Nebraska is getting closer to reality. The subject first caught my eye in a March 6, 2011 *Lincoln Journal Star* article, "Niobium nirvana". Being a rockhound as well as tolerant to all the world's religions, this immediately caught my attention. Then on March 16, another article titled, "Report: Niobium deposit big" grabbed me. So where is this nirvana to be found? The "area west of Elk Creek ... has the potential to become one of the world's largest sources of niobium and other rare earth elements." The source is buried about 500 feet underground (that's over a football field and a half deep) near Elk Creek in Johnson County. Tecumseh is the Johnson County seat. How close this is to underground water reserves is unclear to me. This will affect rockhounds if seasonal water levels are altered, plus I am betting it has the potential to adversely affect water quality and the scenic environment in the Nemaha River valley.

Niobium is a rare metal found in the mineral, columbite, but is present in a range of rocks grouped as carbonatites. It is used in cell phones, wind turbines and hybrid car batteries, and to strengthen steel in the aeronautics industry. Today, 80% of the world's supply of niobium comes from Brazil. Quantum Rare Earth Development Corporation of Vancouver, Washington is acquiring "signed leases for mineral rights." "Farmer and state Senator Lavon Heidemann (1st District) of Elk Creek is another Quantum lease partner".

There are a number of ways the niobium can be realized. Being deep underground, it will either be strip mined or shaft mined or some combination thereof. What is involved as for water requirements and disposal of processing chemicals is unclear to me, but hopefully not to the Quantum developers. The first step, if processing is to take place locally, is probably the reaction of the mineral oxides with hydrofluoric acid. All club members are strongly encouraged to delve deeper into this issue. Go online and ask questions and talk to your state representatives.

## AUGUST FIELD TRIP

by Jim Marburger, Field Trip Chairman

We are planning a trip to the Ron Coleman Quartz Mine in Jessieville, Arkansas for August 19 - 22, 2011. The site is about 600 miles from Lincoln, so we plan to travel on the 19th and 22nd.

Pay a single entry and collection fee for the entire day. You may leave and re-enter as you like, so feel free to take breaks, go to lunch, shop, etc. A complementary mining bag is included with your fee, as is the guarantee of finding specimens. You may collect as much as you like for the day. If you desire more than one mining bag, they are available for a mere \$.50 each.

The mining area is open 7 days a week, 8:00 a.m. to 5:30 p.m. during the spring and summer. Admission: ages 0-6, free; 7-16, \$5.00; 17-54, \$20.00; and over 55, \$15.00.

Camping is available. The RV Park has 24 spaces with one "pull-through" space. All spaces have water and electricity, 10 of the spaces have sewer as well. There is a dump station, a concrete slab with a water faucet for washing off crystals and yourself after a hard day's dig, and picnic tables are located throughout the park. An RV is \$12.50 per night. Included in that fee is usage of the shower/bathroom building and the Laundromat. There is a pond within walking distance for those who may want to fish, and the RV Park is within walking distance of the gift shop and digging area as well.

After the quartz dig, we plan to head for the Crater of Diamonds State Park which is about 60 miles from the quartz mine. Visitors search atop a 37½-acre plowed field, the eroded surface of an ancient, gem-bearing volcanic pipe. Plowing of the field is unscheduled. Historic structures, old mining equipment, washing pavilions, and sun shelters are located on the field. Diamond mining tools are available for rent or purchase. The park staff provides free identification and certification of diamonds.

The entrance fee to search for diamonds is \$7.00 for adults; ages 6 to 12, \$4.00; and children under 6 are free.

Crater of Diamonds State Park is the perfect place to stay. There are 47 Class AAA sites with tent pads, 50

(Continued on page 10)

## WHY THE MIDWEST FEDERATION?

by Cindy Root, MWF First Vice-President

It doesn't matter which club you belong to, you will eventually hear someone ask, "Why do we have to belong to the Midwest Federation and pay for their insurance?" Really, that's two questions.

First, let's deal with the insurance question. You don't have to purchase insurance. The insurance is there to protect your club on field trips and during shows. If your club does neither, you wouldn't need it. If your club only has a portion of the membership who participates on field trips, you wouldn't need coverage for your entire club. I've heard clubs talk about getting their own insurance. Good luck. Who will you have take care of the business end of getting insurance and where will you get as cheap a rate? Check into it. People have and they've been very unpleasantly surprised.

The big question – why should we belong to the Midwest Federation? We will answer with some questions for you.

Where else will you find the resources available to your club? There are programs available for your club to use on almost any rock-hounding subject for only five dollars to cover postage and insurance. Have you ever been to a meeting where any of these programs have been used?

There are 34 committees with chairs. Has your club ever used one of these chairpersons as a resource? If not, why not?

Have you challenged yourself lately? There are several contests that occur every year with very few participants. What stops your club from entering any of these? The ones that particularly come to mind are Bulletin Editor, Articles and Website. Only three clubs entered the website contest this year. Why is that?

Have you ever visited the MWF website for information on programs, or who you could contact with questions or possibly even a committee chair in your area who might speak at one of your meetings? There are all sorts of resources available to you from the MWF. Are you aware that all of the club shows are listed by month on the website? Where else would

your club get as much coverage? If you didn't send in your show information with your club registration, all it takes to get the information on the website is a simple e-mail. Have changes that need to be made to your information? That's as simple as an e-mail, too.

Why aren't more people and clubs taking advantage of these resources? Do you get this information from your club's liaison to the MWF? Have you ever seen a MWF newsletter? Your liaison gets one every month—an AMFS newsletter too. Do they get circulated? Do you hear about the contests and other events taking place?

Ask your club's leaders about their interaction with the MWF. Do they participate or just complain? There's more to a rock hound club than preparing for the yearly show. If that's all you're getting, you need to expect more. How better to increase your participation and education concerning your hobby than to take advantage of the resources available to you by being a member of the Midwest Federation. No man is an island, but a rock club could be.

Probably the most important aspect of being an active member of the MWF is the people you will meet and the friends you will make. I'm certain that each of you has made friends among the members of your club. Think of that on a larger scale. You will be delightedly surprised at the knowledge and experience shared among MWF members. Why wouldn't you want to share in that benefit?

Are you aware that this year's convention is in Toledo and includes more than just meetings? Next year's will be in Minnesota and will be all about agates. Just because you're not the club liaison doesn't mean you can't come if you're interested.

## AUGUST FIELD TRIP - CONTINUED

*(Continued from page 9)*

amp power, water and sewer hookups that can handle up to 70 foot rigs. Supplies available in the newly renovated visitor center or in nearby Murfreesboro.

If you plan to join us on this field trip, let Jim Marburger know so arrangements can be made. This will be a fun trip, and you won't want to miss it!

### STANDING COMMITTEES CHAIRMEN

Audit	John Harrison
	James Marburger
	Ed Dvorak
Christmas Party	Edward Ridge
Education / Librarian	Charles Wooldridge
	Judy Cropp
Facebook	Andrew Tiedje
Field Trips	James Marburger
Geology Day Coordinator	Aulden Stewart
Grinding Party	Aulden Stewart
Historian	Sharon Marburger
Legislative Liaison	Andrew Tiedje
Membership Record	Edward Ridge
MWF Liaison	Vera Lyman
Programs	Richard Peterson
Property	James Marburger
Refreshments / Door Prizes	Mary Pittard
Scholarship	Vera Lyman
Show—2012	Ed Dvorak
Swap—2012	Richard Peterson
Website	Jim Atkins
Youth Activities	Stella Thiessen
	Vera Lyman
	Kay Jurgens

### 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 \$15.00 per year for mailed copy.

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

- Adults (age 16 and over) - \$15 per year or \$25 per couple (within the same household)
- Juniors - \$2 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.

### LONG RANGE PLANNING & BY-LAWS COMMITTEE

<b>1 year</b>	Edward Ridge
	Robert Cropp
<b>2 years</b>	Charles Wooldridge
	Sharon Marburger
<b>3 years</b>	Vera Lyman
	John Harrison

### NOMINATING COMMITTEE

3 years	Brad Nielsen
	Roger Pittard
2 years	Robert Cropp
	Judy Cropp
1 year	Vera Lyman
	Edward Ridge

Answers to Mineral Monkeys' puzzle

L	W	U	S	N	H	A	R	D	W	A	R	E	C	D
I	P	E	T	I	R	P	U	C	C	T	I	P	H	N
N	E	R	A	W	K	O	O	C	E	S	B	I	A	R
A	E	C	T	I	E	C	T	I	T	U	R	P	L	M
N	U	R	U	E	T	I	C	O	C	L	A	H	C	I
A	N	T	E	Z	N	O	R	B	A	F	S	A	O	G
T	E	C	O	I	N	S	W	T	L	I	S	T	P	N
N	W	C	F	W	Y	O	D	P	R	D	A	U	Y	I
O	M	O	L	P	R	O	X	I	D	E	D	L	R	B
M	E	D	I	C	A	L	T	O	O	L	S	V	I	M
A	X	C	B	W	Y	E	T	I	R	O	N	E	T	U
M	I	O	E	P	R	V	R	A	R	E	A	R	E	L
H	C	D	R	R	A	R	I	Z	O	N	A	Y	O	P
L	O	D	T	N	E	M	E	L	E	E	C	A	R	T
N	J	G	Y	T	I	C	I	R	T	C	E	L	E	C

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