



PICK & SHOVEL

Lincoln Gem & Mineral Club, Inc.

Lincoln, Nebraska

www.lincolngemmineralclub.org

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Volume 54, Issue 1
September 2011

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.

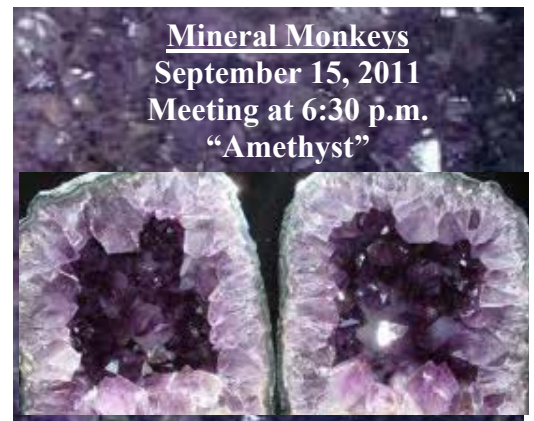
2011 Meeting Dates

<u>Board</u>	<u>General</u>
	Sep 15
Oct 5	Oct 20
Nov 2	Nov 17
Nov 30 (Dec)	Dec 4

General Meeting
September 15, 2011
7:00 p.m.

Program: China: A Geologist's Perspective by Dr. Robert Diffendal

Monthly Rock Party
September 17, 2011
5:30 p.m.
Details inside



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

This is being written the morning before the first of Roger Pabian's estate sales. On Friday, I helped others in our club with the setup. When it was ready for viewing, it was (I can use only one word) spectacular; no other word describes it. And this was only day one.



I look forward to seeing you all at our first club meeting in September. We have a great program planned and we look forward to hearing about your summer collecting activities.

SEPTEMBER PROGRAM

The program for September will be presented by Dr. Robert Diffendal, Research Geologist and Professor Emeritus with the University of Nebraska Conservation and Survey Division. Dr. Diffendal has visited China numerous times since 1979. The program is entitled, "China ... a geologists perspective".

SCOUT REQUESTS

Scout Pack 51 has requested LGMC provide a presentation at one of their pack meetings. It would be a short demonstration by club members about the hobby. Please contact Wooly if you would be interested in presenting. This is a great opportunity to promote interest in the hobby. The youth are our future.

Webelos in Louisville, Nebraska have requested assistance in order to meet their Geology Badge requirements before November 19. They must complete 5 projects to earn the badge. Jim Marburger will provide details and offer suggestions of how we can help, at the September meeting. There is a lot of talent in our members and everyone is invited to assist. Who knows? We may recruit some new Mineral Monkeys! Your thoughts and ideas are important; bring them to the meeting and share.

Rock Party

September 17, 2011
5:30 p.m.

at the Lymans
420 N. 56th
Bring a dish to pass.




































****Bring your equipment
as none will be available.****

SCIENTIST SUNDAYS

Sunday with a Scientist
UNL: Morrill Hall
Program Schedule

September 18:	Plants, Feeding the World
October 16:	Fossils
November 20:	Viruses
December 18:	Minerals & Gemstones

REFRESHMENTS SCHEDULE

										
	Sep 15:	Pies		Jim Atkins		Charles Wooldridge				
										
	Oct 20:	Pies		Linda Guenter		Vera Lyman				
										
	Nov 17:	Cookies		Stella Thiessen		Andrew Tiedje				
										

GENERAL MEETING MINUTES

Bethany Park Shelter, May 19, 2011

The meeting was called to order at 7:04 p.m. by President Richard Peterson. Twenty-three members and four Mineral Monkeys were present. One adult guest, David Bright, and two youth guests were also in attendance.

The minutes of the April meeting were published in the Pick & Shovel. Charles Wooldridge moved to accept the minutes as published, second by Ed Dvorak; motion carried. The Treasurer's Report was read by Treasurer Lyman. Roger Pittard moved to accept the report as read, second by Judy Cropp; motion carried.

ANNOUNCEMENTS:

- ◆ Steve May will host the monthly Rock Party on May 21 at 6:00 p.m.
- ◆ June 5, Omaha Rock Swap.
- ◆ June 11, free concert at Woolly's with a potluck at 6:00 p.m.
- ◆ June 18-19, Western Gem & Mineral Society's Show.
- ◆ June 26, Loup Valley Swap 8-5, Isaac Walton Cabin, Highways 81 & 30.

OLD BUSINESS:

We are still in need of volunteers to attend the MWF Convention as delegates. Contact Richard Peterson if you are interested.

NEW BUSINESS:

Andrew Tiedje made presentation to the Board on the club's new Facebook account. The Board approved the account to go live.

COMMITTEE REPORTS:

President Peterson requested to resign his appointment as Legislative Liaison. He has appointed Andrew Tiedje to chair the position, effective immediately.

Information on the August Field Trip to Arkansas was published in P&S. Please contact Jim Marburger if you plan to attend. Jim will extend, to the Omaha club, an invitation to join us. A second field trip possibility is visiting the Bartel Museum at Concordia College in Seward. Again, let Jim Marburger know if

you'd like to attend so carpooling can be arranged. A third possible trip would take us to the gravel quarry at Palmer, Kansas. There would be a demonstration of the old time method of hosing down gravel.

Ed Dvorak reported on the 2012 Show plans. He has already lined up the special feature display of little rock houses.

The June rock party will be held at the Pittards' home outside of Geneva. The fun begins at 2:00 p.m., food at 4:30.

The meeting adjourned to refreshments and program at 7:26 p.m. on a motion by Pat Dvorak, second by Karen Messenger; motion carried. Thanks to Richard Peterson and Sharon Marburger for providing the snacks this month. The program was the award-winning video by Doug Moore called "German Agates". It was an intriguing program showing beautiful agates.

Respectfully submitted,
Sharon Marburger

Silversmithing classes

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

Tuesdays

August 16, 2011

thru

October 4, 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

PETE'S NOTES

by Richard Peterson, President

HEAT ADVISORY Part I. Apart from my near Memorial Day overnight on the river, the year was going well. I'd chalked it up to a lesson learned, a situation I would handle differently the next time. I was already ahead of the goals I'd accomplished the previous year and looked forward to what the rest of summer had in store.

On August 12th, I decided to venture out. I had missed the previous couple weeks; the river had been erratic with its ups and downs. Getting stuck searching one gravel bar for five hours was not my idea of a successful day. It takes over an hour (and how much gas?) for me to get to where I collect. I was chomping at the bit. The previous week had been a hot one. During the five days prior to the 12th, the high had been in the upper 90s. Then there was that humidity.

The National Weather Service posted a heat advisory for the 12th. I knew little about what that really meant, only that I should go prepared. I told myself that since I'd be off the river by noon, or shortly thereafter, I'd have the "coolest" part of the day for collecting. Besides, I never considered walking at your own pace and looking for rocks to be very strenuous (tiring, yes). To protect myself, I'd wear my usual wide-brimmed hat, long sleeved shirt, and carry plenty of extra water.

I decided to enter the river from the south end and work my way north. I'd already walked this route earlier in the year, and apart from having to cope with weeds and brush to get to the river, it was a way to divide it into two manageable collecting units. Been there done that.

I arrived and parked at the usual time, around sunrise or a bit after. The morning light is still dim at that time of day and the colors reflecting off the gravel, especially that shaded by the steep loess river banks, are slow to develop. But I knew that would soon change. As I stepped out into the humid air my impression was that the walk through the woods to the rivers edge would be more of a challenge. By now the vegetation would be tall and in full bloom. With the warming of the sun, the swallowtails, monarchs and others would be enjoying the nectars of

summer. The thistles, sunflowers and numerous grasses would be waist high or better. The day was still, not a breath of air. "Hot and humid" were words I'd heard many times growing up in the Midwest. Good for the corn but little else.

I arrived at the river's edge feeling a bit more tired than usual; the air was still not moving. Not a whiff. As I looked across to the first gravel bar I anticipated what lay ahead. I wondered if I'd gotten in over my head. The first couple hours of collecting were like any other. A nice honey agate or two, a small "Laker", Bison bone, a piece of limestone with brachiopods or crinoids. By the time I'd reached the furthest point of my journey, I was reminded that I'd have to turn around and return the same way I'd come. It now was around 11 a.m. The sun was barely able to penetrate the heavy air. The birds and everything else were quiet as a suffocating haze hung over the river bottom. Very little seemed to be moving ... except me.

HELPFUL TIP: POISON OAK - Scientific name *Toxicodendron pubescens* is in the plant family *Anacardiaceae*, the same family as poison ivy, and poison sumac. Poison oak is an upright shrub that can grow to 3 feet. The leaflets are usually hairy, are variable in size and shape, but most commonly resemble the rounded lobe leaf of the white oak tree. It looks very similar to an oak seedling growing on the forest floor. Poison oak is a native to the southeastern U.S., west to Texas and Oklahoma. The plant grows in forests, thickets, and dry, sandy fields. All parts of the plant contain urushiol. The effects of touching poison oak are similar to those of poison ivy and poison sumac. It first causes severe itching, evolves into inflammation, then colorless bumps and blistering when scratched. Relief from the irritation is the same as that previously prescribed for poison ivy.

AND THE WORD IS...? What is SYLVANITE. This month we have a copper arsenic sulfide mineral. The name is from the Greek for "visible", an allusion to its distinct cleavage. This is an important ore of copper.

GREATNESS: Man's true greatness lies in the consciousness of an honest purpose in life.

PERSPECTIVES OF ARKANSAS

by Jim Marburger, Field Trip Chairman (with Sharon's two-cents worth added)

We had a great turnout for the Arkansas field trip. It was mighty hot; I suggest spring or fall if we decide to do it again. Even through the heat, everyone seemed to have a good time.

The drive through Arkansas was very scenic; pine and oak trees, squiggly roads that went up and down following the mountainsides, streams, and lakes. The



natives were quite friendly and helpful. One kind gentleman, after observing our license plate, suggested, "Y'all got a bit o' drivin' ta do if yure gonna git home in time fer supper." Ya gotta love the accent!

The Andersons, Marburgers, and Andrew Tiedje camped at the Ron Coleman Mine campground which was very nice. It was a good thing that the Andersons' campsite was next to us. Ed noticed one of our trailer tires was low, so the always-prepared Ed pulled out a tire pump from his toolbox and pumped up the tire.



It appeared that everyone had fun digging through the 40 or so piles of mine run. As it was predicted to be 115° + on Saturday, we made an early start, arriving at 8 a.m. when the gates opened. Sharon and I could stand the heat for about two hours, then retired to air conditioned comfort (or not, since the high



Jackie & Jayne rinsing off some finds.

humidity caused the unit to freeze up) where we proceeded to nap.

Colemans had two very nice rock shops. Some of us spent a little money at them. There were plenty of other rock shops in the area, however, we did not stop at them. Hot Springs Village was a quiet little town, but appeared to have all the amenities of the big city. We were surprised at the variety of services available.



One of Jayne's treasures.

Saturday's intense heat brought forth a loud and intense thunderstorm that night. There was a very close lightening strike, within about a quarter mile of the campground.



Jackie W. and Donna & Ed Anderson arriving at Mt. Ida.

Sunday found us at Mt. Ida where we had lots of fun. The day was totally overcast; still hot and humid, but without the intensity of the sun. Corey Beer hunted too fast and I couldn't keep up with him. I'm sure I missed out on a lot of terrific finds by not being able to dog him.

Sharon thinks she made the best find of all. Arkansas' Sonic drive-ins have sweet potato tots! Yummy!

We got about halfway home and Sharon was driving when cars passing us started honking and waving. We pulled over and discovered we'd blown a tire on the trailer. Funny, it wasn't the one that Ed inflated for us. Fortunately, we have tandem tires on the trailer, so the rim with nothing-but-whiskers left on it, was not damaged. We spent about two and a half hours trying to locate another tire so we'd have a spare, but finally gave up and continued the journey home. We arrived safely home around 8 p.m. with no further trouble.

Even with our limited time spent collecting on this trip, we came home with more quartz than any person could ever use. I'm sure the others feel the same, especially since they spent a lot more time in the field.

Photos courtesy of Sharon Marburger.

PERSPECTIVES OF ARKANSAS—CONTINUED

Ed & Donna Anderson

We had a good time on the trip to Arkansas. At the Coleman Mine, I bought a basket of mine concentrate for \$75 for Donna to look through while I went to hunt crystals. She found some great pieces in that basket; one would retail for about \$100 and another would sell for maybe \$50 or \$60. I found some nice pieces at the Coleman Mine and a few more over at Mt. Ida where we hunted. Frankly, I just don't have the eye for seeing crystals in the dirt like some people do. I visited with a fellow from Minnesota who would stand talking to me, and every once in a while, just pluck a point out of the dirt at our feet. I guess I can only do one thing at a time. I am not a multi-tasker.

Maybe I am doing something else wrong, too. He said he had come down to Arkansas to hunt crystals six times last year and only one trip cost him out of his pocket. I thought he meant he sold the crystals for that much. He said he plays blackjack at the casinos on the way down from Minnesota, and knows when hold 'em and knows when to fold 'em. What an amazing story to hear out there in the 100° plus heat.

Oh, by the way, I bought another basket to bring home for Terry and Leahh to go through, and they did

not find nearly the crystals that Donna did.

We thank our companions for the fellowship while we were on this trip. It is so great to get out there and uncover I bit of nature that has not been observed before.



Jackie W.'s big find. Note Wooly's wrist in the picture in comparison to the specimen. Awesome!

Photos courtesy of Sharon Marburger.



Lunch at Fiddler's Ridge near Mt. Ida.



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- Mineral specimens
- Faceting quality crystals
- Rough

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Saturday, Nov 5th 10:00am – 4:00pm
Sunday, Nov 6th 1:00pm– 4:00pm

Save the Dates! More info in next month's newsletter. All mineral, rock & gem enthusiasts welcome.

402-680-4051; bruce@thefinestthings.com



A nice crystal found by one of the non-LGMC collectors at the Ron Coleman mine.

PERSPECTIVES OF ARKANSAS—CONTINUED



Wooly tried to scare us with his intense collecting skills.



Wooly hunting on the hillside while Andrew lugs his bucket of finds back to the van.



Corey studying a crystal found in the mud. I knew I should have followed him around!

Photos courtesy of Jayne Beer and Sharon Marburger.

Brian and Wooly hauling Jackie's big find over to the wash station.



The Beer Family - hard at work!

J J & L Rocks & Minerals

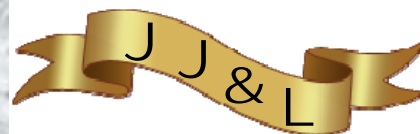
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MINERAL MONKEYS



Hello Monkeys! This month's puzzle has to do with sedimentary rocks. How many can you find?

- | | | |
|--------------|-----------|-----------|
| BRECCIA | GRANULAR | PEAT |
| CHEMICAL | GYPSUM | ROCK SALT |
| CHERT | HALITE | SANDSTONE |
| CLASTIC | HISTORY | SEDIMENTS |
| CLAY | IRON ORE | SHALE |
| COAL | LIMESTONE | SILTSTONE |
| CONGLOMERATE | MARINE | STRATA |
| DOLOMITE | ORGANIC | WEATHERED |

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



Puzzle manually created by Sharon Marburger.

BOARD MEETING MINUTES

LGMC Board Meeting, May 4, 2011, Gere Library

The May Board meeting was called to order at 6:30 p.m. by President Richard Peterson. Board members present were Richard Peterson ("Pete"), Al Stewart, Ed Dvorak, Vera Lyman, Sharon Marburger, Jim Marburger, and Ed Ridge. Guests Jim Atkins, Pat Dvorak, and Andrew Tiedje were also present.

OLD BUSINESS:

Minutes of the April meeting were distributed. Jim Marburger moved to accept the minutes as printed, second by Al Stewart. Motion carried. The Treasurer's report was distributed. Jim Marburger moved to accept the report as printed, second by Ed Dvorak. Motion carried. Although the Show made a profit, the club's General Fund is very low. Treasurer Lyman suggested we take the interest from the \$5,000 CD that is coming due and deposit it in the General Fund. The CD would be rewritten for \$5,000. Jim Marburger moved to accept the Treasurer's suggestion and deposit the interest from the CD into the General Fund, Ed Dvorak seconded. Motion carried.

UNL has notified us that the Rocks and Minerals subscription is due. Because the club's funds are so low, the Board decided to not pay for the subscription at this time. We will revisit the subject next year.

Jim and Sharon Marburger thought that ordering hundreds of business cards for club members was an unnecessary expense at this time. Sharon mocked up a card according to the specifications given by the Board, and printed samples. The Board thought the cards were nice, and Vera moved to accept the

business cards and to reimburse the cost of toner. Ed Ridge seconded; motion carried. It was requested to print 10 cards for each Board member and 50 generic cards to divide among any of the general membership who would like some.

Field Trip Chairman, Jim Marburger, is making arrangements for the field trip to Arkansas the weekend of August 20. Travel days are planned for the 19th and 22nd. Some details will be printed in the Pick & Shovel, and Jim will provide an update at the meeting. Other potential trips are to Lone Star Dam near Nelson, NE, which is graveled with green jasp/agate-like limestone that should polish nicely; and to Iowa to collect Coldwater Agates.

NEW BUSINESS:

Applications for membership were received from three families. Jim Marburger moved to accept the new members, second by Ed Dvorak. Motion carried. New members are Barbara Walker; Bill and Rhonda Lange, with children Rachael, Megan, Heather, and Sarah; and Dan (Cromer) and Kat Norris.

President Pete resigned the position of Legislative Liaison, effective this Board meeting. The Board asked Andrew Tiedje if he would like to chair the committee. He replied that he would try to do it. Andrew is officially appointed as Chair of the Legislative Liaison.

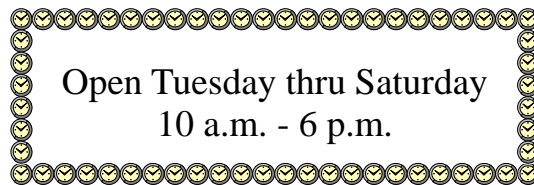
Andrew Tiedje presented his ideas for a Facebook page. Facebook is a social network that can open doors to show what a rock club does. Members can connect with other rock clubs; club activities can be

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10 a.m. - 6 p.m.

ONGOING PROJECTS / EVENTS

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:

November

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 |

BOARD MEETING MINUTES - CONT.

posted; pictures of past club activities can be posted; and information for our youth group can be made available, all secure and without any personal information. The web page can be accessed from the Facebook page, and vice-versa. After a lot of discussion, Jim Marburger moved to have Andrew set up a Facebook account for the club and to maintain said account, second by Ed Dvorak. Motion carried.

The meeting adjourned at 7:30 p.m. on a motion by Jim Marburger, second by Sharon Marburger. Motion carried.

Respectfully submitted,
Sharon Marburger

ELECTIONS ARE COMING!!

The Nominating Committee, headed by Past-President Charles Wooldridge, has offered a slate of nominees for the upcoming elections. Please keep in mind that this is the first run of nominations. Nominations will be accepted from the floor at the September meeting and again before voting at the November meeting. The preliminary slate is:

- | | |
|----------------|---|
| President: | Richard Peterson |
| First-Vice: | Ed Dvorak |
| Second-Vice: | Aulden Stewart |
| Treasurer: | Vera Lyman |
| Secretary: | Sharon Marburger |
| Board Members: | Robert Cropp
Jim Marburger
Ed Ridge
Charles Wooldridge |



If you or someone close to you would be interested in holding an office, please submit his/her name as a nomination from the floor at the September meeting.



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

LONG RANGE PLANNING & BY-LAWS COMMITTEE

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

NOMINATING COMMITTEE

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

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.

Answers to Mineral Monkeys' puzzle

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

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PICK & SHOVEL

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