

# CLUB EVENTS

## January

- 2 Board Meeting 7pm @ Phyllis Parks' house, 2435 South 19th Sr.
- 22 Show Committee Meeting, Bess Dodson Walt Library, 6701 S. 14th St., 7PM
- 25 Annual Swap 1-5PM Antelope Park Shelter (See President's Message)
- 25 General Meeting 7PM Antelope Park

**ANNUAL SWAP AND SILENT AUCTION:** We can set up at noon. Directions in President's Message

**Dinner:** Valentino's Pizza (info in Pres. Message)

**Program:** By Roger Pabian, topic to be announced

**Display Material:** Lapidary

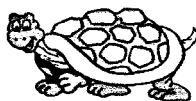
**49th Anniversary Celebration** - Cake and coffee provided by the club.

### RECAP OF NOV. MEETING:

The November meeting was wonderful with lots of members in attendance. We welcomed new members, Yoni & Yonis Lone Eagle & their son, Dusty from Eagle, NE. This family has been active in clubs in NM & TX. Yonis has held offices of President, State Director and Editor. Welcome to LGMC!

The Silent Auction was fun and raised nearly \$1000 for the lapidary fund. Thanks to all who participated.

Roger's program, "Crystals and Crystallography" was a big hit. We learned all about the types of crystals and were able to examine many specimens that Roger brought.



# PRESIDENT'S MESSAGE

Greetings fellow Rockhounds,

It was nice to see so many of you at the Christmas party, new and old members-it's always great to make new friends.

On Saturday, January 25, we will have our Annual Rock Swap at a new location. Antelope Park shelter house (next to the Veteran's memorial, east of the Pavilion at Antelope Park, about 30nd and A St. on Memorial Drive) may be our temporary digs for a while. The shelter house will be a great place for the Swap, as well as meetings. All we need is a microphone!

The Swap starts at 1 and runs till 5, with a break and pizza from Val's, then the meeting at 7:00. The public is invited to the swap, and anyone can set up a spot to sell rocks, minerals, fossils, jewelry and other hobby related items, with a portion going to the club, to fund our lapidary equipment. We will also run a silent auction during that period, so again dig out your stuff to donate and sell.

We'll have a sign up sheet for Valentino's take out. We will charge \$5.00 for adults, \$3.00 for kids, and drinks will be provided by the club.

You all have a great Holiday, sweet dreams, with visions of sugar plums and rocks dancing in your head!!



### SUSY



### TIME FOR DUES NOW! !!!!!!!!!!!!!!!!!!!!!!!

Dues should be paid by January 1, 2003. They become delinquent on January 31 and must then be accompanied by a late fee of \$5.00 for reinstatement. Please mail your checks to the Treasurer of the Lincoln Gem and Mineral Club at Post Office Box 5342, Lincoln, NE 68505 or plan to pay at the January meeting. Dues are \$10.00 per adult, \$2.00 per youth or \$22.00 per family with two adults and all children under the age of 16. New memberships require a \$5.00 registration fee.

## Christmas Party, December 8, 2002

Last year I did the write-up for the Christmas Party. That was my first article for the Pick & Shovel. I am still learning the ropes of editorship and I have appreciated all the suggestions and comments I have had along the way. Here is a brief "glimpse" of the Holiday Party we had this year. I hope to be able to include some photos in the next newsletter.

As usual, many people worked hard to make the evening a success. Thanks to Vera for purchasing the meats which the club provided and setting up the buffet. Thanks also to Ed Ridge who again brought the lovely trees and other decorations. And thanks to all the members who took the time to prepare so many dishes. What a feast! There were several children at the party, playing and having fun. And of course there was the gift exchange! I was the lucky recipient of wulfenite and snowball ulexite. Thanks Yonis!

Roger had a great slide show of agate collection on the West coast. This held the attention of even the youngest of the attendees

The party was great but bitter sweet. We had recently lost two of our most active members to cancer so we took a moment to remember them at the beginning of the meeting. Grant Bennett died Nov. 18 and Billie Heffelbower died Nov. 23. We missed them at the Holiday Party and we will miss them throughout the year.

By Judy Reilly



**We Remember**

**Grant Bennett**

I heard of Grant's passing just today from Susy and so I wrote a note to Judy for the Pick & Shovel. You who did not know Grant missed a real treat as he was a "one of a kind" guy. He made life fun and made it a better place for all of us who knew him. He was the kinda guy you knew all your life from the first day you met him.

Grant became a real buddy of mine and we had many good chats together. I think one thing that connected us was that he too was retired military; he from the Air Force, and I from the Army.

He used to kid my wife, Lois about joining the "Old Timers" Club. In fact when he met her, he asked, "Is this your father?" (meaning me.) We had a chuckle over that.

Grant was an important part of the club and all our shows and was willing to do anything he was asked to do. We will miss him at the next show as we will miss all of the other club members who have passed on.

I know he will be sadly missed by his family and all who knew him. I was not prepared to let him go just yet. So I will say, "Grant, you will be missed. Say a good word for your old "VET" buddy!"

My prayers are for all of Grant's family.

by Irl Everett



**Wilma "Billie" Heffelbower**



"Billie" left another big hole in our club's "Line Up" that will be felt by many of us in the Lincoln Gem and Mineral Club. She was a good friend, a hard worker and always willing to pitch in and help with activities to promote our hobby. Our sincere sympathies go out to her husband, David and their daughter, Holly.

by Phyllis Parks



**WHAT'S THE BUZZ?**

by **Judy Reilly**

Happy Holidays!

On November, 16, I was pleased to participate in a wonderful event at Morrill Hall. The project was the first in a series of Saturday Science Adventures and focussed on rocks and fossils.

Susy McMahan asked me to help her set up a booth for kids. She had materials for a gem dig, allowing children to dig through sand to find garnets. She also had tumblers set up and information describing what happens to rocks during the tumbling process.

I had handouts for kids and parents giving hints on how to start a rock collection. The kids were given simple materials like egg cartons and cotton balls and labels to create a little "display box" to organize their treasures. We also had geology students there to help the kids identify specimens.

No one knew how many visitors to expect, especially since there was a Nebraska football game on TV that day, but it turned out that nearly 1000 people passed through the museum! Ed Ridge, Roger Pabian and Bill & Betty White were at the museum too with a variety of interesting demonstrations. Roger and Ed contributed a huge supply of minerals and fossils to our projects for the kids.

The event was sponsored by "Friends of the Museum". If we get a chance to participate in the future, I highly recommend getting involved. It was very rewarding, even for a novice such as myself!

Remember to have any information, articles, etc. to me by Board Meeting time each month. This is usually the 1st Wednesday of the month, but next month it will be January 2, which is a Thursday. My New Year's resolution is to have the newsletter in the hands of each member 10 days before the general meeting (even if it means knocking on doors to make a personal delivery.) I appreciate all the help I have received this past year!

**2003 REGIONAL FEDERATION SHOWS**

|   |  |  |
|---|--|--|
| <b>Combined California/<br/>AFMS June 5-8<br/>Ventura, CA</b> | <b>Eastern Federation<br/>To Be Announced</b>    | <b>Midwest Aug 15-18<br/>Cottage Grove, MN</b> |
| <b>Northwest/ Aug 1-3<br/>Kennewick, WA</b>                   | <b>Rocky Mountain/ July 11-13<br/>Casper, WY</b> |  |
| <b>South Central/ Feb. 22-23<br/>Pasadena, TX</b>             | <b>Southeast<br/>To Be Announced</b>             |  |

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Oct. 30, 2002  
7:00 P.M. Kinkos - Conference Rm. 48th & Vine (November)

Present were Susan McMahan, Vera Lyman, Dave Heffelbower, Jim Marburger  
Guests: Ed Ridge & Sharon Marburger

President called the Meeting to order. Minutes were approved as printed with motion by Jim Marburger. 2nd by Dave Heffelbower. Carried. Treasurer's report approved with motion by Dave H. and 2nd by Jim M. Carried.

OLD BUSINESS: Meeting locations. Discussion followed. Tabled until December Meeting.

Federation Show: Club voted to host. John Harrison to check into dates not signed.

#### NEW BUSINESS:

Special Rock & Fossil Event at Museum. Sat. November 16, from 10-4 P.M. Club members asked to participate.

#### COMMITTEE REPORTS:

Nomination: Candidates listed in Pick & Shovel. Additional nominees taken at Meeting.

Show: Chairman, John Harrison: Committee Meeting to be held on November 13, 7-9 P.M. @ Gere Library, 56th & Normal Blvd. Next Show Meeting to be held on Jan, 22, 2003 @ 7:00 P.M. Location to be announced.

New Members: Arvid & Sheryl Olson, 2102 N. Cotner Blvd 68505  
Motion for approval by Jim Marburger, 2nd by Dave Heffelbower. Carried.

MEETINGS: Club Meeting, Thursday November 21, 7:00 P.M. at NCCE. We will have a Silent Auction - Also cookies and Coffee - This will be our last meeting at the Center, pending the out-come of its future plans.

Next Board Meeting will be Wed. Dec. 4 at 7:00 P.M. at Kinkos, Christmas Party - Sunday December 8, 5-9 P.M. at Antelope Park Shelter House. Supper at 6 P.M. Meats, drinks and table service furnished by the Club. Each family is asked to bring one hot dish plus a salad or dessert. If you wish to participate in gift exchange, please bring a rock-related gift valued at approximate \$ 5.00.

Business concluded, Jim M. moved that we go home!!

Respectfully submitted,

*Vera Lyman*

Vera Lyman, Secretary

|  |             |
|--|-------------|
| LGMC Treasurer's Report for November, 2002 |             |
| Pinnacle Checking Balance on Oct. 31, 2002 | \$ 2,569.59 |

#### November Receipts:

|                                    |              |               |
|------------------------------------|--------------|---------------|
| Membership Dues - 2003             | 74.00        |               |
| P & S Subscriptions - 2003         | 20.00        |               |
| Silent Auction - 11/21 (Lap. fund) | <u>93.25</u> | <u>187.25</u> |

#### November Payments:

|  |              |               |
|--|--------------|---------------|
| Kinkos - Nov. Board Mtg.                   | 15.00        |               |
| City Parks/Rec. - Jan. Swap                | 165.00       |               |
| Kinkos - ROG/Show (360 pgs)                | 30.82        |               |
| Vera Lyman - Folders for ROG               | 5.34         |               |
| Judy Reilly - Nov P&S Printing             | 67.41        |               |
| - Nov Postage P&S                          | 74.00        |               |
| Kinkos - Silent Auction Forms              | 4.28         |               |
| Am. Cancer Soc-Memorial, Grant Bennett     | <u>50.00</u> | <u>411.85</u> |
| Pinnacle Checking Balance on Nov. 30, 2002 |              | \$ 2,344.99   |

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Nov. 21, 2002  
NCCE - 33rd & Holdrege - Beatrice Rm. 7:00 P.M.

(This will be our last Meeting at this Center, pending the future ownership of the property)

The Meeting was called to order by the President, opening with the Pledge Of Allegiance.

30 Members were in attendance (the greatest number in many months) and 3 guests - Yonis & Yoni LoneEagle and son Dusty.

Three new members were also in attendance - Kate Speicher, Mark Renter, and Ted Rethmeier. WELCOME TO THE CLUB!

The Minutes and Treasurer's report were approved with a motion by John Harrison, 2nd by Charles Wooldridge. Carried.

President announced that member Grant Bennett had passed away and Memorial Services would be on Sat. (11/23) at Ropers Mortuary. Also Billie Heffelbower is very ill. Please send cards.

OLD BUSINESS: The Special Rock & Fossil event at Morrill Hall on Sat. Nov. 16 was well attended. Roger Pabian and some of his Lapidary group demonstrated along with several Club members. It was held from 10 AM to 4 PM. In spite of a Home Football game, the attendance at this event exceeded all expectations. (950)

Christmas Party - Dec. 8, 2002 5-9 P.M. Supper at 6 P.M. Antelope Park Shelter House. Meats, drinks and table service furnished. Each family asked to bring 1 hot dish and a salad or dessert.

LGMC has been asked to participate again in March at the LPS-Pfizer Science Fair

Geology Day will be on February 16, 2003 1-4 P.M. at Pioneer Nature Center.

Annual SWAP will be Jan. 25, 2003 from 1-5 P.M. at Antelope Shelter.

SHOW: March 29-30, 2003 John Harrison, Chairman All things going well. Had Meeting on Nov 13, 2002. Next Meeting will be on Jan. 22, 2003. Place to be announced. Roger Pabian, Dealer Chairman announced that all 14 Dealers have signed & returned contracts.

ELECTION: Lead by Past Pres. Jim Atkins: Slate of Nominees as follows:  
Pres. - Susan McMahan                      Treasurer - Phyllis Parks  
1st Vice - Pat Akins                      Board - Jim Atkins  
2nd Vice - Jim Marburger                      - Dave Heffelbower  
Secretary - Vera Lyman

Nominees for 3-yr term on Nominating Committee: Ed Ridge  
Amy Dexter/Guy

Additional nominations called for - none named.

Motion by Susan Taylor to cease nominations and accept complete ballot as presented by acclamation. 2nd by Aulden Stewart. Motion carried. Congratulations to the Officers for 2003!

Motion for Meeting to adjourn.

PROGRAM: Presented by Roger Pabian - "Crystals and Crystallography" Explanation of different types of Crystals; ie, Isometric, Tetragonal, Hexagonal, Orthorhombic, Monoclinic, and Triclinic. THANKS, Roger for an excellent presentation. (I still like crystal dishes; even if they're 'just glass'!!!!)

Meeting ended with SILENT AUCTION; cookies, coffee, and fellowship.

Respectfully submitted,

*Vera Lyman*

Vera Lyman, Secretary

P.S. Sad news - Billie Heffelbower passed away on Saturday evening,

# FEDERATION NEWS

From MWF Newsletter December, 2002-Issue No. 416

## President's Message

Good Morning,

And a beautiful morning it is. Last night we had a heavy frost, and we are having a 'leaf storm' this morning. Last night we had a lot of green grass showing, this morning, we have a lot of leaves covering up the grass!

Last month I talked about 'participating' and getting involved. This month, the key word is "RESPONSIBILITY". Let's dissect that word, and see what it can mean when a meaning is given to each letter.

- R...Reports.....each month for the Newsletter
- E...Education.....get youth involved, each one teach one
- S...Service.....we are here to help and serve the clubs
- P...Persistence.....to do a good job, and get the job done
- O...On going.....never ending job, to let people know about this wonderful hobby
- N...Necessary.....for a viable growing club and Federation
- S...Serious.....about your position as Chairman of a committee
- I...Initiate.....ideas, tips, trips, suggestions, pass them on
- B...Be there.....THE WHOLE MWF SUFFERS FROM YOUR ABSENCE
- L...Improve.....communications in your club, and with the Federation
- L...Listen.....you may "hear a better idea"
- I...Inform.....others about our hobby
- T...Team play.....all pull together
- Y...YOU.....ARE THE FEDERATION, and YOU make the Federation work. If you don't take your job seriously, and assume responsibility for the chairmanship of a committee, the whole MWF AND YOUR CLUB SUFFERS

After working on the revision of the Operations Procedure Manual (for the umpteenth time), I am convinced that if everyone took their chairmanship of a committee, with a sense of responsibility, and did their job as described in the OP, we'd have a very viable, healthy, growing organization.

I am happy to report that some of our new chairman have already jumped on the bandwagon, and sent in articles for the newsletter, with promises of 'more to come'. You will find a project from Bill White, Lapidary Chairman, in this issue...Bill sent along a note saying, "The next project will be coming from Roger Pabian, and Russ and Doris Kemp have agreed to help out with the lapidary stuff." Great news!!! Thanks to George Judd, a second article on Mineralogy appears in this issue! And if you haven't met IMA, look for ASK IMA, by Michelle Yamanaka..Junior Activities Chair....IMA answers questions sent in by rockhounds.

My club, the Kalamazoo Geological and Mineral Society just sent 1500 letters out to all 3-4-5 grades in six surrounding counties, inviting them to bring their kids to see T-Rex at our show next May. We accomplish two things...we ask that they bring 1 chaperone for each 5 kids...the kids have a ball, and the chaperones, who have never been to a rock show, get so engrossed in all the displays and dealers, they often forget they are in charge of 5 kids, and quite often come back Saturday or Sunday

Shortly after the Convention, I received a note from long time friend Donna Nolte, President of the Oshkosh Earth Science Club. She was a delegate for her club, and states "At the convention, awareness of new members and how to get and hold them was a topic often spoken on." She went on to say how what her club does to get and hold new members...you will find both of Donna's letters in this issue. One her own opinion, and the other a "Welcome Letter to New Members." There is a lot of merit and ideas in both of the letters, I'm sure that they can be put to good use in about every club in the federation.



*Book Review*

**The Book of Life, Stephen Jay Gould, editor, 1993, W. W. Norton & Company, New York, 256 p., \$40.00.**

Although this beautifully illustrated publication is now nearly 10 years old, it is one of the finest publications about paleontology, evolution of life, and historical geology that I have seen in recent years.

Contributing scientists and illustrators include Peter Andrews, John Barber, Michael Benton, Marianne Collins, Christine Janis, Ely Kish, Akio Morishima, J. John Sepkoski, Christopher Stringer and Jean-Paul Tibbles.

Stephen Jay Gould passed away early in 2002 and his many writings have been enjoyed by millions of readers. In addition to being a great, scholarly author, Gould proved to be an outstanding editor. So often the combined works of many authors into one cover will read as if it were written by a committee. This volume does not suffer from that weakness and the text flows evenly throughout the whole volume.

The above comment can also be made of the illustrations. They all look like they belong together. There are maps and charts, illustrations of individual organisms and illustrations of whole ecosystems. Some are in full color and others are line drawings, but all go well together and the reader is not distracted by diverging styles of artwork.

Most of the tables through the book are colored and one can stay focused on the same line very easily.

Most importantly, the reader will be unfettered from the notion that historical geology is "animated dinosaurs." I often bemoan the fact that popular television only shows the big meat eaters at the expense of the bottom of the food pyramid where almost all biomass is concentrated.

The book begins with an introduction to life and time. You will read a brief description of geologic time and how it is defined and used by geologists. (You may also want to read Stephen Hawking's "Universe in a Nutshell" to learn how cosmologists figure time, but not having read will in no way reduce your appreciation for *The Book of Life*.) You will also be introduced to some of the important geologic forces such as plate tectonics. The introduction also lets you see the patterns of life and shows some on how to preserve and to interpret the fossil record.

The first chapter by John Sepkoski deals with the origins of life in the oceans and prokaryotic cells and eukaryotic cells. There is a figure that shows bacterial metabolism in a very straightforward and simple way.

Sepkoski covered such important evolutionary developments such as the rise of bacteria and algae and the rise of early animals such as the Ediacaran Fauna of Australia in this chapter as well as bizarre forms of animals that lived during the time of deposition of the Burgess Shale in the middle Cambrian. There are many excellent illustrations to help you along. The last paragraphs of this chapter lead you into the next, the rise of fishes

(continued p. 6)

(continued from p. 5)

Michael Burton leads you from the first jawless fishes to the Ordovician through the fishes of the Old Red Sandstone of Devonian age in Scotland. There are also notes about early collectors in that area and many of the odd fishes they discovered in the early years of paleontology. Burton also covers some other important fishes such as early sharks and coleocanths. Again there are excellent illustrations to give you a deeper appreciation for our geologic past.

Moving from the seas to dry land is also aptly described by Benton. You will be shown some illustrations of the evolution of the tetrapod leg and a well written illustrated section of on Ichthyostega, the most well-known tetrapod from the late Devonian. You will not be led into thinking that only the vertebrates moved to dry land as there is also material about plants and evolution of the invertebrates such as insects. I felt that more needed to be said about Paleozoic marine invertebrate life could have been said in this chapter and nearly as much space is given to marine extinction. The rise of amphibians and reptiles are well illustrated in this chapter. Benton does make it clear, however, that the terminal Permian extinction was probably far greater than the terminal Cretaceous extinction. Benton also does a good job of illustrating that geologic time units get their names from the kinds of floras and/or faunas found in them.

The next chapter, also by Benton, goes into the evolution and extinction of dinosaurs. Benton covers many of the historical personages who were early explorers in this field. Much to his credit, Benton discusses both European and American paleontologists. Much of the hype given in the popular media is so centered on the Cope-Marsh feuds that many readers are left thinking that the only meaningful paleontology took place only in the United States. Again, there is a dearth of material on sea life in the Mesozoic or age of dinosaurs. You will read a rather good account of the land faunas, and then, pow! The terminal Cretaceous extinction. Christine Janis aptly titled her section on mammals "Victors by Default".

You will be given a good background on the evolution of mammals. You will follow their history from the tiniest of the late Mesozoic all the way through the strange forms of the Eocene, Oligocene, and Miocene. Many of the forms were common to Nebraska and the plains. Peter Andrews and Christopher Stringer give a chapter on primate evolution that is lacking in early primate history. Much to their credit, their chapter ends on a scientific rather than a sociological note.

The one problem in the book is that the small face of type proved hard for me to read but so much information would have required many more pages in a larger type face. That in it self might have put the book in a price range that would have made it unavailable to many individual buyers as well as libraries (public and club) with low budgets. The book is reasonably priced at \$40.00 (publication price) and I recommend it to anyone interested in historical geology, paleontology, and the evolution of life on earth.

**Roger K. Pabian**

## 2002 ELECTED OFFICERS

|                                  |                           |                                    |                          |                      |
|----------------------------------|---------------------------|------------------------------------|--------------------------|----------------------|
| <b>President</b>                 | <b>Susy McMahan</b>       | <b>5636 Greenwood St.</b>          | <b>Lincoln, NE 68507</b> | <b>464-0065</b>      |
| <b>1<sup>st</sup> Vice Pres.</b> | <b>Grant D. Bennett</b>   | <b>721 No. 58<sup>th</sup> St.</b> | <b>Lincoln, NE 68505</b> | <b>466-5377</b>      |
| <b>2<sup>nd</sup> Vice Pres.</b> | <b>Pat Akins, Jr.</b>     | <b>5017 No. 6<sup>th</sup> St.</b> | <b>Lincoln, NE 68521</b> | <b>477-1322</b>      |
| <b>Secretary:</b>                | <b>Vera Lyman,</b>        | <b>420 N. 56th St.</b>             | <b>Lincoln, NE 68504</b> | <b>464-6089</b>      |
| <b>Treasurer:</b>                | <b>Phyllis Parks,</b>     | <b>2435 So. 19th St</b>            | <b>Lincoln, NE 68502</b> | <b>476-6798</b>      |
| <b>Board Member</b>              | <b>David Heffelbower,</b> | <b>1819 Washington St.</b>         | <b>Lincoln, NE 68502</b> | <b>cell 890-2794</b> |
| <b>Board Member</b>              | <b>James Marburger</b>    | <b>330 Locust</b>                  | <b>Hickman, NE 68372</b> | <b>792-2348</b>      |

### Nominating Committee

|         |                    |
|---------|--------------------|
| 3 years | John Harrison      |
|         | Aulden Stewart     |
| 2 years | Billie Heffelbower |
|         | Judy Reilly        |
| 1 year  | Jim Parks          |
|         | Edward Ridge       |

### Long Range Planning & By-Laws Committee

|         |                    |
|---------|--------------------|
| 3 years | Susan Taylor       |
|         | Edward Ridge       |
| 2 years | Vera M. Lyman      |
|         | Roger K. Pabian    |
| 1 year: | Charles Wooldridge |
|         | Kevin Schwartman   |

Chairman-Immediate Past President James N. Atkins

### Standing Committees

|                       |  |                 |                   |
|-----------------------|--|-----------------|-------------------|
| Education / Librarian | Roger Pabian                                 | MWF Liaison:    | Vera Lyman        |
| Field Trips:          | Pat Akins, Coordinator                       | Scholarship:    |                   |
| Historian:            | Susy McMahan                                 | Christmas Party | Susy McMahan      |
| Membership Record:    | Edward Ridge                                 | 2002 Show:      | Roger K. Pabian   |
| Programs:             | Roger Pabian                                 | 2003 Show:      | John Harrison     |
| Housing/Property:     | Jim Parks                                    | 2002 Swap:      | Roger K. Pabian   |
| Youth Activities:     | Kay Jurgens                                  | 2003 Swap:      | David Heffelbower |
| Auditing Committee:   | John Harrison, Roger Pabian, James Marburger |                 |                   |

L. G. M. C. Web Page Address :

<http://nesen.unl.edu/lgmc/lgmc.html>

Geology Day Coordinator: 2nd Vice President

### Your PICK & SHOVEL Staff

|                    |   |                 |
|--------------------|---|-----------------|
| Publisher:         | Lincoln Gem & Mineral Club, Inc., P.O. Box 5342, Lincoln, NE 68505-0342 |                 |
| <b>Editor:</b>     | <b>Judy Reilly</b>  | <b>421-3064</b> |
| Assistant          | Phyllis N. Parks  | 476-6798        |
| Business Reporter: | Vera Lyman  | 464-6089        |
| News Reporters     | All Club Members  |                 |
| Circulation:       | Jim Parks   | 476-6798        |

The *PICK & SHOVEL* is the official publication of the Lincoln Gem & Mineral Club, 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 and that a reprint of the bulletin is sent to the editor of the *PICK & SHOVEL*.

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.

## J. J. & L. ROCKS and MINERALS

GEMS - CABS  
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SILVER SUPPLIES - TOOLS - MACHINERY - NEW AND USED  
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*"PROVIDING SUPPLIES FOR THE NOVICE TO THE DISCRIMINATING ROCKHOUND"  
Please Call for Appointment*

## LINCOLN GEM & MINERAL CLUB

Presents

Our

45<sup>th</sup> Annual Show

PERSHING MUNICIPAL AUDITORIUM

March 29 - 30, 2003

Show Chairman - John Harrison

Read your bulletin for new materials or specials from the above advertisers.

Advertising by rock-hobby business or interest is permitted with the approval of the Board. The rate now set at \$15.00 per full page; \$7.50 per 1/2 page; \$5.00 per 1/3 page; and \$3.75 per 1/4 page (min) per issue, paid in advance. These ads will be placed through the bulletin as space permits.

**Subscription to the Pick & Shovel is \$10.00 per year mailed.**

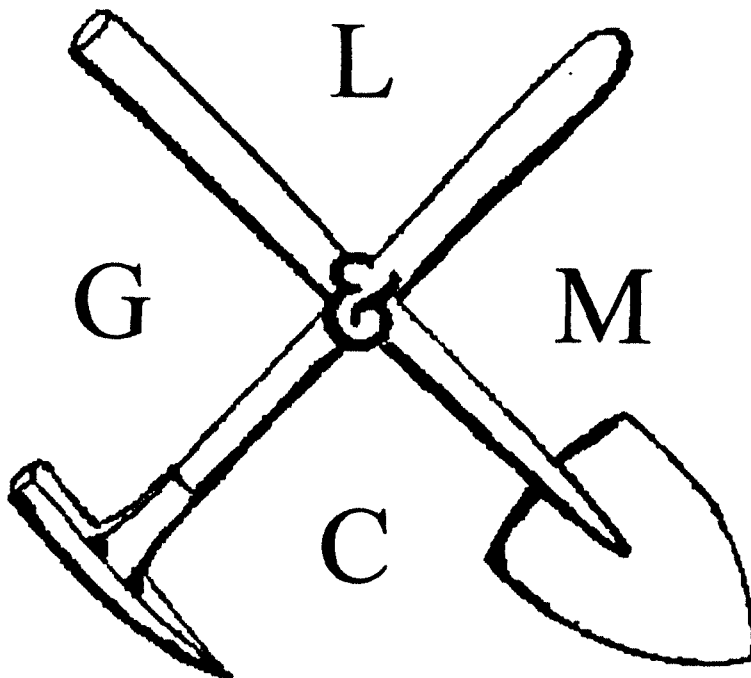
Dues to Lincoln Gem & Mineral Club are as follows:

|   |                  |
|---|------------------|
| Adult(ages 16 and over)   | \$10.00 per year |
| Junior(ages 12 to 16)   | \$ 2.00 per year |
| Family Membership (Husband, wife, resident children under age 16) | \$22.00 per year |

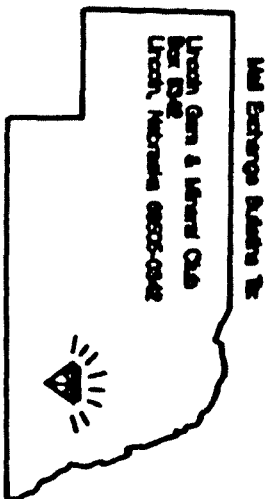
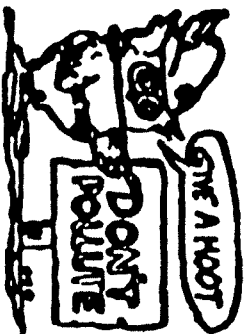
New memberships must be approved by the Board, after the applicant attends at least one meeting of the club and pays the above dues plus a \$5.00 registration fee.

# THE PICK & SHOVEL

December 2002



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LINCOLN, NEBRASKA



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