

# CALENDAR

**Regular Meeting** February 27, 1999, 7:30 PM, Nebraska Center Continuing Education, 33<sup>rd</sup> & Holdrege.

**Program:** 2<sup>nd</sup> part of "Dinosaurs of China" part of which we saw at our November Meeting

**Youth:** 7 PM, Kay wants all of you there to work on your "**Plans for March Show Booth.**"

## **NEXT LGMC SHOW - MARCH 27-28, 1999, Pershing Auditorium (Our 41<sup>st</sup> Annual Show)**

**A Special Field Trip Advisory!!** Saturday, March 13, 1999--Greater Kansas City 38<sup>th</sup> Annual Gem & Mineral Show, K.C. Market Center, Executive Park, 1775 University Avenue. We could not get 45 club members to affirm the trip in a chartered bus so we are hoping for a Van which will take up to 15 persons, leaving at 7 AM for KC, arriving at the show about 11 AM, enjoying the SHOW until 4 PM, and return trip home to Lincoln by 8 PM. Since time is growing short the Board must know by Saturday, February 27 at our club meeting or sooner. We will **NOT** make these arrangements unless we have at least 14 members signed up for the trip. Final decision at the meeting!! **Call Phyllis if you are interested.**

### **Nearby Shows to Visit**

March 12-14	<b>SHOW</b>	Greater Kansas City 38 <sup>th</sup> Annual, K.C. Missouri
March 13-14	<b>SHOW</b>	Geodeland Earth Science Clubs 19 <sup>th</sup> Annual, Macomb, Illinois
March 20-21	<b>SHOW</b>	Cedar Valley Gem, Mineral & Fossil Show, Cedar Rapids, Iowa
April 10-11	<b>MWF Show</b>	Columbus, Ohio--"Heaven's Stones & Dinosaur Bones: Meteorites & Mass Extinction."--So reads the packet of information which we have available for you to read & get copies for yourself. Check with your Editor. Advance Registration by February 19, 1999.

**NOTICE:** Lincoln Gem & Mineral Club-regular meeting for April 24, 1999 will be our Annual Scholarship Presentation and a few changes will be made. See Page 4 for details, please.

## **1999 REGIONAL SHOW SCHEDULE**

### **EASTERN FEDERATION** August 6-8

New Carrollton, Maryland

### **CALIFORNIA FEDERATION** June, 18-20

Turlock, California

### **SOUTH CENTRAL FEDERATION** August 21-22

Bossier, Louisiana

### **NORTHWEST FEDERATION** June 18-20

Hillsboro, Oregon

### **SOUTHEAST FEDERATION /AFMS COMBINED** July 9-11

Nashville, Tennessee

### **ROCKY MOUNTAIN FEDERATION** November 19-20

Tucson, Arizona

### **MIDWEST FEDERATION** April 10-11

Columbus, Ohio

## YOUTH NOTES

To the young club members of LGMC: Your leader, Kay Jurgens, has been thinking of the many projects which you take a responsibility for at our annual show each March. She hopes to discuss them with you at the February Meeting at 7 PM on Saturday the 27<sup>th</sup> at the Nebraska Center. Because of illness in her family she was unable to get copy to The Pick & Shovel - so we have come up with some fillers which we hope you might enjoy.

**LEAVERITE!!** How many of you can describe a Leaverite? New rockhounds soon learn what Leaverite is. It's any unidentified mineral which, when you pick it up and ask a veteran collector whether you should keep it, the reply is, "No, leaverite there."

Of course, some mysterious force often prompts collectors to take leaverite home anyway, and the question then becomes what to do with it. Below are a number of suggestions attributed to "Chip & Lick", the 'Roadrunner', via 'RRC Newsletter, 9/98', reprinted in the December 1989 Paleo Newsletter, Austin Paleontology Society and copied by us from 'The Rockfinder' of The Michigan Gem & Mineral Society.

### NINE WAYS TO GET RID OF LEAVERITES

1. Fix the chuckholes in your driveway.
2. Throw them at bill collectors or door-to-door salesmen.
3. Take them to club displays and leave them. (But not to our own!)
4. Donate them to grab bags.
5. Slip them into your competitor's case when nobody is looking.
6. Throw them over the fence into your neighbor's garden.
7. Affix a large label "This material insured by Pinkerton's," and leave them unwatched at the shopping mall.
8. Fill up your car trunk to get you through the winter ice.
9. Best of all, don't take them home in the first place!

\*\*\*\*\*

Quips from some Bulletins of the Past--

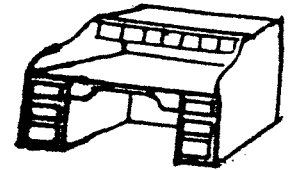
**NEVER GET SO BUSY MAKING A LIVING THAT YOU FORGET TO MAKE A LIFE!**

Only people who do things get criticized!!!

Look at the bright side: No matter how old you are, you're younger than you'll ever be again.

Enthusiasm is what enables some folks to die of old age without ever having seemed old.

The average man has five senses: touch, taste, sight, smell and hearing. The **successful** man has two more: horse and common.

**From THE PRESIDENT'S DESK**

Hello LGMC Members:

I want to give a special "Thank You for a Good Swap" to David Heffelbower for setting up the Swap and Silent Auction. To The Parks for handling the finance and to all the Swappers who brought materials to swap and donated mixed items for the Silent Auctions, David Heffelbower- Opal, Roger Pabian-Brazilian Agate, Jim Marburger & John Harrison-mixed specimens, Francis Belohlavy-finished gem & jewelry supplies, Wooly-mixed items, Pat Akins-wood and Ed Ridge-mixed items.

A very special Thank You! To Robert Fixter for a very good program on Jewelry through Time from BC to the 20<sup>th</sup> Century in which we had a 'hands on' look at them. (Truly A Sentimental Journey!)

**For the questionnaire which you will find inserted in this Pick & Shovel—** Please fill out return it to me by mail or in person at the next meeting. This will enable me to plan and make our year pleasant for all of us.

1. Field Trip—where would you like to go? In state or out of state? Half day or full day? To another show, a museum, a President's Field Trip or other?
2. Programs you'd like to see? Would you put on a program yourself?
3. Other interests you would like the club to consider? Show? Swap Meeting? Would you like to have a meeting at Pat Akin's place of business, 'Rainbow Stone' where he has all of the Wood that he had at our 1998 Show and at the State Fair?
4. Door Prizes? We have been doing this to try and get more people to the meetings. Do you think it is working? What else can we do to get better attendance?
5. Would you like to have Study Groups? If so what subjects?

Please fill out the card for each family and use more paper if you need it, mail to me at 2507 A St, Lincoln, NE 68502 before the end of February so that we can make plans for the rest of the year.

See the notice on the Calendar Page about a possible trip to The Greater Kansas City Show on March 12, 13, 14. We have some discount coupons for the show.

Hope to see you at Geology Day on February 14<sup>th</sup> and at the February 27 meeting.

Sincerely,

Edward Ridge

## CLUB NOTES

**SHOW REPORT--March 27 and 28, 1999** --These days will be here much sooner than it seems so the Committee has been working hard to make sure that "**Reflections to Past Centuries**" will be memorable for all of us and for Lincoln people as well. All 14 Dealer Spaces have been secured by our favorite dealers from several states. Many special exhibits have been contacted. Excellent lecture programs are scheduled, numerous demonstrators and a working shop are in place, our Youth Group plan their usual fine set of activities and the floor plan is all in order. Start watching for the flood of advertising that has been arranged. We hope that every club member with an able back and a sound constitution will be on tap Friday, the 26<sup>th</sup> at Pershing Auditorium to assist in any way possible to get everything in place early enough so that everyone can go home for a good night's rest before the Grand Opening at 9:00 A.M. Saturday the 27<sup>th</sup>. Plans have been made for a Sunday Morning Breakfast with our Dealers and Friends rather than a Saturday Night Supper. Put it on your calendar!

### SCHOLARSHIP PROGRAM

As many of you know, for several years we presented two grants each year of \$150 to students in the advanced earth science field at UNL. In 1991 we increased our grants to \$175 each and continued to present two each year. Occasionally when special circumstances warranted we were able to present special grants from our Lincoln Gem & Mineral Club Education and/or Scholarship Fund in honor of Special Benefactors. This year our Scholarship Chairperson was contacted by the **Geoscience Department** with the suggestion that we present only one grant for the total amount and make it a policy to invite eligible students to apply for the grants personally for selection by our committee. With the thought that a larger grant will have a much more significant impact on a student's work and with the cooperation of the Geoscience Department we shall implement this method for our 1999 Scholarship Grant that will be presented at the April Meeting.

**Now, for the rest of the change--LOCATION OF MEETING!!** The Nebraska Center is not available to us on April 24 because the whole Center is in use by another group. Housing Committee has therefore taken the liberty of reserving the Lincoln Park & Recreation enclosed shelter at Bethany Park, near Vine & Cotner Blvd. for the evening. This will also enable the club to provide coffee and refreshments to the guests and club members. We hope this will be satisfactory to all of you. More in your April Pick & Shovel.

**CLUB MEMBERS- Congratulations to Lois Everett!** We were finally able to present her with her Life Membership at the January Meeting. As our Founder's Wife we are sure Lois had attended many meetings before she actually joined in 1959. Her many achievements as a 'Rockhound' and her hard work in the club set her aside as a 'very special person'.

Another long time member, John A. Lewis, deserves some special attention this month. John, a member of LGMC since 1957, missed our Annual Swap for the first time because he spent part of January in Bryan Hospital recovering from a stroke. Talked to both John & Lillie a few days ago and discovered that they have the same phone number but are living in an apartment at 825 North Cotner, (#315) to make it easier for John to get out for therapy three times a week. Keep your spirit up and we hope to see you back in full stride soon, John. (Cards would be great.)

# LINCOLN GEM AND MINERAL CLUB



## 41<sup>st</sup> ANNUAL SHOW

**“Reflections to Past Centuries”**

*Please Put These Show Dates on Your Calendars*

**March 27-28, 1999**

**Demonstrations**

**Dealers**

**Programs**

**Displays**

**Gem Dig**

**Rock Races**

### **SPECIAL EXHIBITS**

*Hours: Saturday 9:00 A.M. to 7:00 P.M.*

*Sunday 10:00 A.M. to 5:00 P.M.*

Pershing Auditorium Between M St. and N St. on 15<sup>th</sup>, Downtown Lincoln, NE

**Bring this flier or ads from the paper for \$1.00 off all paid admissions to the show**

INCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Jan. 23, 1999  
30 P.M. NCCE 33rd & Holdrege - Scottsbluff-Minden Rooms

IN CONJUNCTION WITH ANNUAL SWAP FORM 1:00 - 5:00 P.M.

Minutes were approved as read with motion by Charles Wooldridge; 2nd by Roger Pabian. Carried.  
Treasurer's report read and approved with motion by John Harrison, 2nd by Jim Atkins. Carried.

Present were 20 members, 5 Juniors and 1 guest.

NEW BUSINESS: A lifetime membership was presented to Lois Everett. She indicated that she did not join when Irl did, but she had attended all the Meetings with him. Congratulations!

President Ridge presented his Budget for this year. Motion was made 1st by Charles Wooldridge and 2nd by Linda Parks for approval as submitted. Motion carried.

SUGGESTED Bus trip to Kansas City Show on March 13, 1999. Departure from Lincoln @ 7 A.M. Return departure @ 4:30 P.M. Cost estimated at approx \$750. for 47 people. Cost rather prohibitive because of inability to solicit that many people for the trip. Discussion of smaller number and checking on van rental. Motion by Irl Everett to table discussion till next meeting and give members time to think about it.

SCHOLARSHIPS: Chair - Susan Taylor  
Secretary presented proposed changes to members (in absence of Susan) Norman Smith of UNL will present ideas to Board of Directors at Feb. Meeting, with decisions to follow.

MEETING DATES: Shirley Rockel, Chair  
Ecology Day - Feb 14, 1999 Pioneer Park Nature Center 1-4 P.M. All repaired.

Birthday Party - July 25, 1999 1-4 P.M. More details upcoming.

HOW: Jim Marburger - Chairman  
Plans are all in progress. Great deal of advertising has already been set up. Mayor's Office will plan declaration that week.  
Old Country Buffet will open early on Sunday Morning for breakfast to members & Dealers, etc. More details later.  
Display Chairman Ridge requested "space allotments" from those present.  
No new membership applications.

Board Meeting Wed. FEB. 3, 1999 @ 7:00 P.M. at Kinkos - 48th & Vine.  
How Committee Meeting to follow Board Meeting - at approx. 8:30 P.M.

Respectfully submitted,

*Vera Lyman*  
Vera Lyman, Secretary

INCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Jan 6, 1999  
7:00 P.M. @ Kinkos - 48th & Vine

President Ed Ridge called the Meeting to order.  
Minutes of the prior Meeting were approved as printed.  
Treasurer Phyllis Parks was absent due to illness, so report will be presented at the Jan. General Meeting.

Scholarship: Due to possible change of presentations; this year's presentations may be made in April. Further discussion will follow regarding some changes.

NO OLD BUSINESS:

New Business:

President Ridge presented his Budget proposal with suggested changes after doing some extensive study over income & expense records of the past year. Motion was made by Ken Doe to present proposed budget to General Membership for approval. 2nd by Dave Heffelbower. Carried.

Discussion followed on Rockhound Of The Year.

SHOW REPORT:

Kay Jurgens reported that the Juniors will operate the Gem Dig.  
Vera also provided Publicity Chair- John Harrison with letters used prior years.

Jan. Meeting - 23rd - will include Swap in afternoon and Silent Auction

Next Board Meeting will be Feb 3 @ Kinkos, 48th & Vine @ 7:00 P.M.  
Meeting adjourned.

Respectfully submitted,

*Vera Lyman*  
Vera Lyman, Secretary

L.G.M.C. Treasurer's Report for January 1999

NBC Checking Balance 12/31/98

\$ 1274.24

Receipts:

1999 Membership Dues	250.00	
Suspense-Gem Palette Subscriptions	16.25	
Account Receivable-'98 P&S Advertising	45.00	
'99 Show Retail Dealer Space	400.00	
Donation LGMC Ed/Schol Fund	40.00	
Silent Auction Proceeds(LGMC Ed/Schol)	46.20	
10% Surcharge Swapper Bucks Sales	53.80	
Interest to Checking from Cert.Deposit	161.82	
Transfer to Checking from Money Mkt.	1000.00	2013.07

Payments:

1/2 of 1999 Storage Rent	378.00	
Affiliation Dues-Friends State Museum	60.00	
" Midwest Federation	127.50	
" Nebr State Assoc.	60.00	
January Meeting Room	15.00	
Pick & Shovel covers & copy paper	20.86	
Printing Jan Pick & Shovel	38.49	
Accounts Payable-98 State Sales Tax	231.52	
Stamps-3 mo. P & S & Treas	108.90	
Suspense-Redeem Swapper Bucks	100.00	
Anniversary Cake & Serving Supplies	25.00	
Pershing-'99 Show Site Deposit	700.00	
Suspense-Change for Annual Swap	300.00	
Youth meals Swap	22.12	2187.39

NBC Checking Balance 1-31-99

1099.92

## HOW ARE FOSSILS NAMED?

(Continued from January, 1999)

A group of closely related **species** form a **genus** (pl. **genera**). A genus is erected in a manner that is similar to the way species are introduced; that is, a researcher may decide that several species that are assigned to two different genera have features that distinguish them from all the creatures or plants in two named genera. On the basis of these several species having several common characters, a new genus is erected. The name is proposed and the tag New Genus, or the abbreviations n. g., gen., nov., etc. follows. This is followed by a diagnosis---a listing of those common features. The diagnosis is followed by a listing of species that are to be included in the new genus. The genus may be erected on the basis of a newly discovered and described species and things that were formerly assigned to other species may be included in the new genus. Sometimes a species that is assigned to one genus is found to be more closely related to another and a **new combination** exists. The new combination must be specified at the time it is made. A genus may also be repressed. Suppose a researcher described a new genus and species and also assigned several pre-existing species to the new genus. Then another researcher finds that the genus proposed by the former researcher was actually erected years earlier from samples collected in another part of the world. A **synonym** results and the last used name is suppressed.

As with species, the above findings would only be considered upon their publication in a widely circulated journal. This would give the research community a chance to examine, study and criticize the new material. Publication does not mean the findings will be accepted; they may be rejected in part or in their entirety on the spot or even years later.

Closely related **genera** constitute a **family**. Related families form **orders** and similar orders are grouped into **classes**, which are ultimately grouped into **phyla** and **kingdoms**. Any of the above taxa can lumped into a super-taxon (e.g. **Superfamily**) or divided into a sub-taxon (e.g. **Subclass**). Higher taxa are erected in much the same way as a genus. As new finds and new data come to light, the various taxa can be shifted about. Species may be transferred from genus to genus; genera from family to family or a couple of subfamilies may be erected from a single family. The important point is that taxonomy is a fluid subject. No taxonomic name is carved in granite in some hallowed hall. The product of scientific research should move our knowledge to a higher plateau but new facts must always suppress traditional learning.

A taxon called a **variety** sometimes occurs below the specific level but varieties, other than being convenient handles, have no taxonomic significance.

Now that we have touched a bit on how to move about with higher taxa, let's try to show you where all of the ---*ensis*'es, ...*ae*'s, ...*orum*'s, etc. came from and what they tell another researcher.

The first letter of the genus name is always capitalized and the first letter of the specific name is always lower-cased.

The scientific name often tells us something about the morphological characteristics of a plant or animal. For example, the familiar Nebraska brachiopods *Composita elongata* and *C. ovata* are long and tear-drop shaped respectively. Note that the second time a generic name appears in a paragraph, it may be abbreviated with the upper case first letter of its name followed by a period.

Some generic names are applied to honor a scientist, geologist, paleontologist, or other

important individual. *Graffhamicrinus nodosus* Strimple Pennsylvanian crinoid with nodes on its plates, was named for Allan Graffham. *Derbyia bennetti* Hall and Clarke was named for Mr. Bennett by Messrs. Hall and Clarke. Specific names have masculine and feminine endings; for example, *Gennaeocrinus dulukae* Kesling was named for *Cecilia Duluk*, whereas *Poteriocrinites duluki* Kesling was named for Jerome Duluk. *Aglaocrinus konecnyorum* is neuter and named for *Jim and Sylvia Konecny*. The trilobite *Anisopyge whitei* Pabian & Fagerstrom (January P&S) was named for W. D. "Ted" White.

Generic and specific names may suggest geographic localities such as the crinoid genera *Nebraskacrinus*, *Kansacrinus*, *Oklahomacrinus*, and *Texacrinus*, implying their states of origin. In the case of generic names, the root name precedes the ending. In specific names, the ending suggests the source of geographic origin, such as the brachiopod *Juresania nebrascensis* for Nebraska, and *Paradelocrinus iolaensis* for Iola, Kansas. When a fossil is named for the stratigraphic horizon from which it was collected, the *-ensis* suffix is used (e.g. *Graffhamicrinus stullensis* (Strimple) for the Stull Shale of Nebraska and Kansas.)

An unfortunate situation can take place when a scientific name (generic, specific, etc.) is published without a description. The result is a *nomen nudum*. Once a name is given that status, it is forever banned from the literature and may not be used again. Thus, a researcher needs to carefully examine all of the scientific names that appear in papers before their publication.

The art or science of classification of biological specimens is often referred to as systematics and the workers are called systematists. Sound and solid systematics are the basis of all other studies in paleontology or any of the biological sciences. A paper dealing with crinoid paleoecology will likely be badly

flawed if the systematics are poorly done or the correlations made on the basis of trilobite biostratigraphy will be suspect if the systematics are questionable.

Although scientific names appear clumsy and hard to pronounce, all of the simple names such as dog and cat were used up long before Linne' proposed his system in 1758. It might ease the process to think of scientific names in the same sense that we think of breed names for domestic animals, such as *Charolais* for some white cattle that were developed in France or *Afghan* for some large, long-haired dogs having conspicuous saddles that were developed in Afghanistan. Although a generic or specific name is not the same as a breed name in the taxonomic hierarchy, it should connote an image of certain characters. These images enable scientists to communicate their findings with oneanother more easily and clearly. Common names change from place to place: cow is vaq in France and dog is cane in Italy. Not only is *Delocrinus subhemisphericus* *D. subhemisphericus* in Nebraska, it is *D. subhemisphericus* in France and Italy, and it is *D. subhemisphericus* in China and Australia, and every place in the world, too. Finally, there are many more species than could ever be described with common names.

Roger K. Pabian

### Wanted!

I am searching for old issues of Rock and Gem Magazine, Gems and Minerals Magazine and Desert Magazine to add to the club's library holdings. If you have any of these, please let me know. RKP

### Thank You!

New Lapidary equipment that was obtained thru the lapidary fund is now in place and in use at Southeast Community College. Thank your, LGMC for your support in this project. RKP

## 1999 ELECTED OFFICERS

<b>President</b>	Edward Ridge, 2507 A Street.	Lincoln, NE 68502	477-8469
<b>1st Vice Pres.</b>	Kenneth Doe, 925 El Avado Avenue	Lincoln, NE 68504	466-4877
<b>2nd Vice Pres.</b>	Jim Atkins, 1333 So. 15 St., Apt. 1	Lincoln, NE 68502	438-2434
<b>Secretary:</b>	Vera Lyman, 420 N. 56th St.	Lincoln, NE 68504	464-6089
<b>Treasurer:</b>	Phyllis Parks, 2435 So. 19th St.	Lincoln, NE 68502	476-6798
<b>Board Member</b>	Marcia Eddy-Hamilton, 4903 Hillside St.	Lincoln, NE 68506	489-0716
<b>Board Member</b>	Kay Jurgens, 14421 Danvers St.	Waverly, NE 68462	786-2756
<b>Board Member</b>	Grant Bennett, 721 No. 58th St.	Lincoln, NE 68505	466-5377
<b>Board Member</b>	David Heffelbower, 1819 Washington St.	Lincoln, NE 68502	475-4713

## Nominating Committee

<b>3 years</b>	Jerry Moore
	Kevin Schwartzman
<b>2 year:</b>	Roger Pabian
	Bill Rockel
<b>1 year:</b>	Shirley Roockel
	Kenneth Doe

**Chairman:** Immediate Past President

## Long Range Planning & By-Laws Committee

<b>3 years</b>	Charles Wooldridge, Chair
	Kevin Schwartzman
<b>2 Year:</b>	David Heffelbower
	Jim Parks
<b>1 Year:</b>	Vera Lyman
	Roger Pabian

## Standing Committees

<b>Membership:</b>	Shirley Rockel	<b>Programs:</b>	David Heffelbower
<b>Education:</b>	Roger Pabian	<b>MWF Liaison:</b>	Vera Lyman
<b>Field Trips:</b>	Jerry Moore, Coordinator	<b>Scholarship:</b>	Susan Taylor
<b>Historian:</b>		<b>Christmas Party</b>	
<b>Hospitality:</b>	Eddie "Lightning" Ridge	<b>1999 Show:</b>	Jim Marburger
<b>Study Coordinator:?</b>		<b>2000 Show:</b>	John Harrison
<b>Housing/Property:</b>	Jim Parks	<b>2001 Show:</b>	
<b>Youth Activities:</b>	Kay Jurgens	<b>1999 Swap:</b>	David Heffelbower
<b>Librarian:</b>	Roger Pabian	<b>2000 Swap:</b>	

**Auditing Committee:?**

**Gem Palette Correspondent:**

**Geology Day Coordinator:** 2nd Vice President

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

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

## Your PICK & SHOVEL Staff

<b>Publisher:</b>	Lincoln Gem & Mineral Club, Inc., P.O. Box 5342, Lincoln, NE 68505-0342
<b>Editor:</b>	Phyllis Parks 476-6798
<b>Business Reporter:</b>	Vera Lyman 464-6089
<b>Circulation:</b>	Jim Parks 476-6798

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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, particularly youth and student groups.

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

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Advertising by rock-hobby business or interest is permitted with the approval of the Board. The rate is 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* are \$10.00 per year mailed.

Dues to Lincoln Gem & Mineral Club are as follows:

<b>Adult</b>	(ages 16 and over)	<b>\$10.00/yc</b>
<b>Junior</b>	(ages 12 to 16)	<b>\$2.00/yc</b>
<b>Family Membership</b>	(Husband, wife, resident children under age 16)	<b>\$22.00/yc</b>

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.



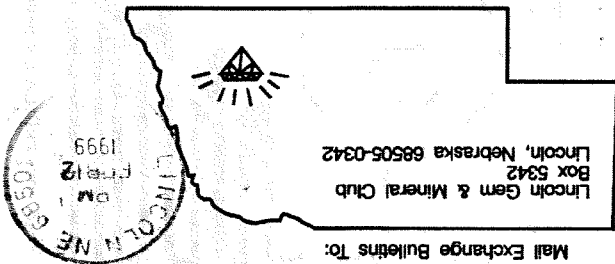
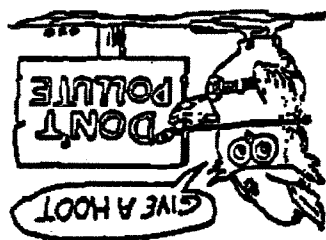
Associated with



Susy McMahan  
5636 Greenwood St  
Lincoln, NE 68507

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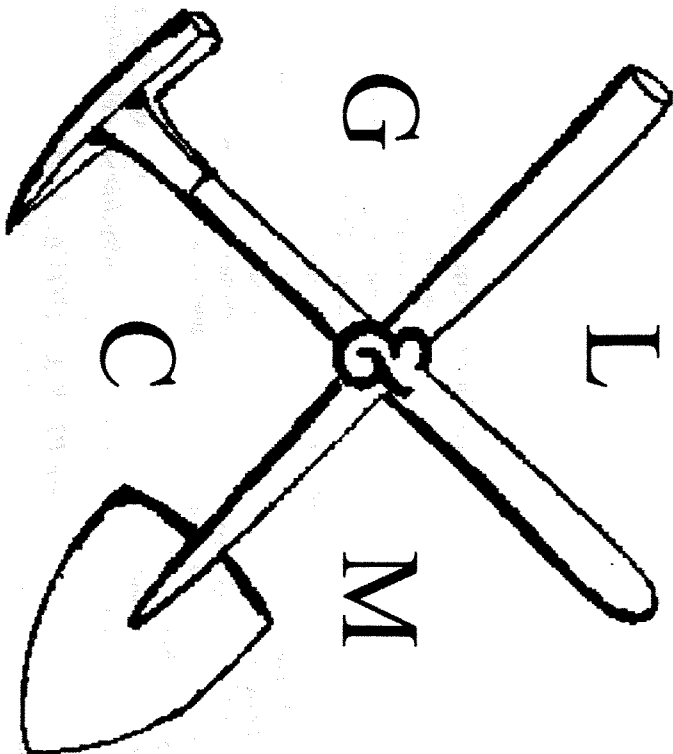
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# THE PICK & SHOVEL

FEBRUARY 1999



OFFICIAL PUBLICATION OF

LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA