

CALENDAR

- Regular Meeting Saturday, May 17th, 7:30 PM, Bethany Park Shelter. Cotner & Vine Sts. Our usual coffee and Dessert of your choice. Please bring a dessert snack to share with the others. Club will furnish coffee, cups and plates.
- Program: Let's play Rock Bingo. Make it a fun time by bringing something neat for use as prizes and take as many home as you can win.
- Display for May: Minerals & Crystals
- Youth: Meet promptly at 7:00 PM Special project to share.
- President's Picnic: June 28th, Wooldridge Acreage- See President's Page.
- Grinding Party: July 27, 1997, Pioneer Park

NEXT LGMC SHOW - MARCH 21-22, 1998, Pershing Auditorium
(Our 40th Annual Show)

Nearby Shows to Visit

- | | | |
|----------------------|------------|--|
| May 10-11, 1997 | SHOW | North Central Nebraska Rockhound, Norfolk, Nebraska |
| June 14-15, 1997 | SWAP | Grand Island Earth Science Club, South Skagway lot., G.I. NE |
| June 27-28, 1997 | STATE SWAP | Platte Valley R&M Soc. Cody Park Shelter, North Platte, NE |
| Aug. 2-3, 1997 | SHOW | Corn Palace Rock Club, 26th, Mitchell, So. Dak. |
| September 19-21, '97 | SHOW | Golden Anniversary Show, Houston G & M Society, George R. Brown Convention Center, Houston, TX |
| Sept. 27-28, 1997 | SHOW | Siouxland G & M Soc. Sious City, Iowa |
| October 4-5, 1997 | SHOW | Nebraska G & M Show, Radial Hall, Omaha, Nebraska |
| October 18-19, 1997 | SHOW | GI Earth Science Soc., 23rd, Grand Island, Nebraska |
| November 8-9, 1997 | STATE SHOW | Fort Kearney Rock Club, Host, Kearney, Nebraska |

1997 REGIONAL SHOW SCHEDULE

EASTERN FEDERATION /AFMS Combined

October 17 - 19

Jackson, Mississippi

CALIFORNIA FEDERATION

June 20 - 22

Ventura, California

SOUTH CENTRAL FEDERATION

April, 5 - 6

Glen Rose, Texas

NORTHWEST FEDERATION

August 1 - 3

Idaho Falls, Idaho

SOUTHEAST FEDERATION

Oct. 4 - 5

Jacksonville, Florida

ROCKY MOUNTAIN FEDERATION

June 6 - 8

Durango, Colorado

MIDWEST FEDERATION

October 24 - 26

Davenport Iowa

YOUTH NOTES

All the words below are hidden in the puzzle.

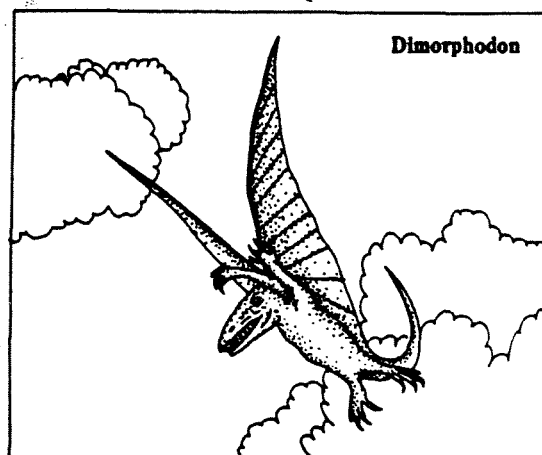
Find and circle them.

Look carefully, since the words may be written in any direction.

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

- DIMORPHODON
- PTEROSAUR
- TEETH
- HEAD
- INSECTS
- SIEVE
- PLANKTON
- PTERODAUSTRO
- TRAP

- JAW
- DIFFERENT
- SKIM
- DIET
- WATER
- SURFACE
- FISH
- FLEW
- MOUTH



Notes on our April Meeting--Very small attendance--only 14 club members, 2 youth and 4 visitors--20 people--in a room that we have to pay \$80.00 for 3 hours. Fortunately 14 members was the required number to transact business and 4 of us were members of the Board.

Our PROGRAM was a very interesting one prepared by the Youth and their Leader, Kay Jurgens. It was a 'College Bowl' contest with two sides vieing for the most andwers. We were permitted to take turns--as long as we had an answer. Some questions were aimed at how well we know our club, then they became more hobby oriented and much spirited discussion took place. Youth members Janelle Jurgens and Dan Cromer did a great job as quizmasters and kept coming back with more challenges. In the end Kay declared everyone winners and treated all to goodies from her basket. Thanks, Kay and Krew.

On another note--I found it interesting that of the 14, four were Past-Presidents of LGMC and Wooly made 5. Another History note--of the 14 members six have been in the club for over 30 years each

Phyll Parks, Editor



THE PRESIDENT'S MESSAGE

Fellow Rockhounds

X I'd like to thank Kay Jurgens for the interesting program at the April meeting. The team quiz competition was challenging and fun. The Junior members did a very good job of reading quiz questions.

The new smaller meeting room at the Nebraska Center, the Beatrice Room, accommodated the meeting very well. In fact, we had very few members present, only fourteen, just enough for a quorum. We really need, each of us, to make a commitment to attend meetings and join in activities so we can all reap the benefits of an active, flourishing club.

The May meeting will be at Bethany Park shelter. We will have a program presented by Board Member and Program Chair Brett Jurgens. June 28th will be the Annual President's Picnic at the Wooldridge Acreage near Denton. The club will provide hot dogs and pop. Everything is encouraged to bring a picnic dish to pass and their own table service. We will gather at 2 P.M. and participate in a variety of fun activities such as fishing, tetherball, croquet, trampoline, rock bingo, etc. Board Members are asked to bring a prize for rock bingo. Please refer to map for directions or call me if you have any questions.

July 27th will be the date of our annual Grinders Party at the Chet Ager Prairie Interpretive Center at Pioneers Park. We are all expected to bring something to demonstrate an aspect of our hobby with the public. Some things that have been demonstrated in the past include: faceting, cabochon cutting, sphere cutting, tumbling, wire wrapping, mineral identification, etc. If you can't think of something to demonstrate give me or Ed Ridge, who is coordinating this activity, a call and we will make some suggestions.

If you are interested in leading a field trip this summer please contact me and we'll make arrangements.

Enjoy summer!

Wooly

SILENT AUCTION COMMANDMENTS

- I. Thou shalt not test the strength of the crystals by biting or squeezing.
- II. Thou shalt not drop any specimen.
- III. Thou shalt not place any specimens in thine own pocket.
- IV. Thou shalt not climb over thy neighbor to write thy name on the auction slip.
- V. Thou shalt not criticize the chairman, nor his committee, nor the way the auction is run, lest thou be appointed chairman at the next auction.

(from *CFMS Newsletter*, via *Burro Express* 2/96, *Petrified Digest* 3/96, *Rock Vein* Jan-Feb/97)

1998 Show Update

The 1997 show is now behind us. It will be a tough act to follow. We had the highest quality of dealers, displays, demonstrators, exhibitors, and personnel that have ever been at one of our 39 previous shows. Hats off to **John Harrison** and his committee for a job well done.

The 40th Annual Show will be at Pershing on Saturday, March 21, and Sunday, March 22, 1998. This is our Ruby Anniversary and the theme of the show is: "Those be rubies, fairy favors." This line comes from Shakespeare's Midsummer Nights Dream. Shakespeare made many references to both rubies and gemstones in general in his many plays and poems. Elizabethan drama and literature rose to its highest point during the time of Shakespeare and we still celebrate this fact with numerous festivals, productions and readings of the bard's works.

Plans for our 40th Ruby Anniversary Show include a special display of Elizabethan jewelry and costume that is to be provided by **Linda Plock** and her group from the **Medieval Craftspeople and Society for Creative Anachronism**. Again, it will be a pleasure to work with this group. These fine people have been visitors to our shows for many years as we are one of the few places where they can find the raw materials needed to make their historic recreations. It is very nice that they will share their skills with us and we owe them many thanks.

Vera Lyman has ordered simulated rubies that will be glued to cards with Ruby Facts printed on them. Putting the "rubies" on cards will be set aside for a club project at a future meeting.

Several important committee appointments have been made to date. These include: Dealers, **Charles Wooldridge**; Junior Activities, **Kay Jurgens**; Programs, **Brett Jurgens**; Promotion, **Vera Lyman**; Ribbons and Recognitions, **Kevin & Kathy Schwartmann**; and Displays, **Eddie Ridge**. **Phyllis Parks** has agreed to help teach a new person to handle show finances. I will be checking with more of you about show positions as work continues, and everyone is being considered.

In addition to the show being our 40th Anniversary Show, it will also be the Nebraska State Show for 1998, and we would like to have as many displays of fine Nebraska materials as we can possibly set up. **Bill and Betty White** are preparing cases of grasslands materials and **Bill** and I will be preparing a display of gem materials from the glacial tills of southeastern Nebraska.

More news to follow. In the meantime, **think red, ruby red that is.**

Roger K. Pabian,
1998 Show Chair

April, May Displays

Only three members participated in the April Displays although the amount of material in the cases would have suggested many more participated. **Jim and Phyllis Parks** provided a display of arrow points and an eagle and a mine rail spike with a mini train on it. **Charles Wooldridge** provided a large chrome diopside crystal, a malachite gem box with star sapphire, zincite crystals and an iron-nickel meteorite, all of which came from Russia. **Roger Pabian** showed a case of slabs of agates from Estacion Moctezuma, Chihuahua, Mexico. For May, bring minerals and crystals.

RKP

L G M C MINUTES FOR APRIL 26, 1997

Sixteen members (two new members) and two juniors were present as President Woolly called the meeting to order at 7:37 P.M.

David moved and Bruce seconded minutes be approved as printed in the Pick & Shovel. Carried.

Roger moved and Bill R seconded the treasurers report be placed on file as printed in the Pick & Shovel.

No Old Business

New Business:

- . Our new members Mr. and Mrs. Grant Bennett were in attendance.
- . Kay found our LGMC on the internet.
- . Roger explained how to get on the internet. He has entered info on the internet.
- . GEM AND LAPIDARY MATERIALS has been added to the library.
- . A 2-year subscription of ROCKS AND MINERALS has been ordered for the Geology Dept. (2-year subscriptions are cheaper than singles.)
- . David H. will complete and mail the All American Awards forms.

Announcements:

- . Grinding Party at Chet Acher - Pioneer Park July 27, from 1:00 - 4:00. Bring items to share with the public. A pot luck will be held after the Party.
- . Juniors volunteered to supervise the Gem Dig for the Geology Department. Jason Wagner, Danny and Janelle J. were present to accept honors for a job well done.
- . Jason Wagner plans to assist with field trips and other activities.
- . Next meeting is a dessert party at Bethany shelter house on May 17. A program is being planned.
- . The President's picnic will be in June at Woolly's acreage with more info in next month's Pick & Shovel.
- . Board Meeting is May 6 - 7:00 at Vera's.
- . Comments reported were that our catered dinner was the best we've had.
- . Kay thanked the Juniors for all the help at the show.
- . Future show and auction flyers were available.

Reports:

- . Phyllis read the Show report in Vera's absence.
- . Roger reported on the 1998 Show.

Kay moved we adjourn. Seconded and Carried.

Kay and the Juniors presented an educational trivia program testing our gem and mineral knowledge. It was fun and very informative for all. Sorry more of you were unable to attend. Please try to come to our events. WE MISS YOU!!!!

Shirley Rockel, Secretary

In the absence of Vera Lyman

L.G.M.C. Treasurer's Report April 1997

NBC Checking Balance 3/31/97 \$3910.31

Receipts:

3 month CD matured & cashed 2500.00
 Interest on short term CD--'97 Show income 30.04 2530.04

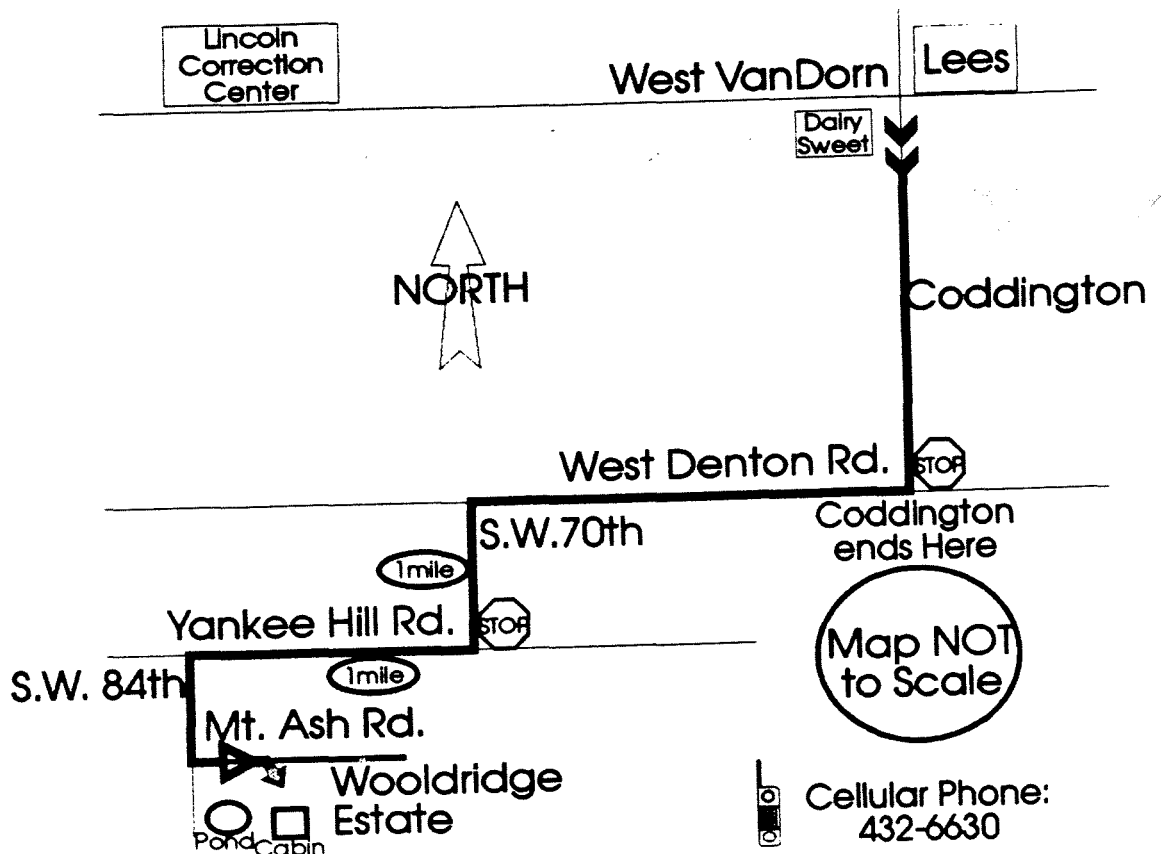
Payments:

Print April Pick & Shovel 42.45
 2 year subscription UNL Geology Dept. 136.00
 Donate ;97 Gem Dig funds to Geology Club 163.00
 Gems for Youth projects 25.00
 Friday Show set-up refreshments 273.78
 '97 Show expenses 3829.79
 Suspense-'98 Show promotions 123.99 4594.01

NBC Checking Account Balance April 30, 1997 \$1,846.34

NOTE: Some funds and a few bills have not been presented so **NO** Show Report!

We want to take this opportunity to 'Thank" both Wooly and Debbie in advance for their invitation for the June 28, 1997 'President's Picnic'. It would be a great help if all members who plan to take advantage of their gracious hospitality would notify someone of their intent to participate in the event by calling Shirley, Phyllis or Charles so the proper amounts of food and drinks can be assured. Please keep this page handy if this is your first time to the 'Acreage'. Editor



Book Review

Lapidary and Gem Materials, for Cutters, Collectors, and Jewelers. June Culp Zeitner. Geoscience Press, Tucson, Arizona, 1996, 347 p. \$50.00

This volume comes in an attractive cover that houses well written contents that are not belied by the title. For cutters, collectors, and jewelers in that order means what it says. The book is well-organized: It begins with an introduction to gems and lapidary materials and a chapter on the gems of history, including well known favorites such as corundum and beryl. Lesser known transparent faceting materials (excluding quartz) are covered next and esoteric materials known mostly to lapidaries are well treated and we find out about such things as benitoite and spodument to mention just a few items.

There is extensive coverage of both crystalline and cryptocrystalline quartzes, and I found this treatment most enjoyable, as most authors give but a few pages to this large, inclusive group of gems. Although this section was apparently written with the cutter and collector in mind, jewelers will probably find it useful because there is extensive data on materials they do not commonly handle. The chapter on crystalline quartz hits on all of the well known varieties such as rock crystal and amethyst and lesser known varieties such as dumortierite.

Fanciers of cryptocrystalline quartz have at their disposal a chapter dealing with agates, chalcedony, and geodes, with major varieties of agates such as plume and sagenitic described and covered with specific examples such as Carey Plume Agate or Nipomo Agate to mention only a couple. Geographic data is provided for all of these occurrences. Opaque cryptocrystalline quartzes such as chert, flint, and jasper earn the same detailed treatment as the agates the new reader will become familiar with such terms as Mozarkite and Bruneau Jasper and the more seasoned collector /cutter might find some new names like Keeganite, a golden brown material from Keegan Ranch near Ashwood, Oregon. Cryptocrystalline quartz pseudomorphs after animal (coral), vegetable (petrified wood), or mineral (chalcedony after aragonite) are also well covered.

The next three chapters deal with popular and not so well known cabochon and carving materials. You will learn about jade and sodalite to name a pair of better known materials and nepheline and tugtupite to mention a couple of lesser known entities. You will get good information of phenomenal stones such as ones with stars and eyes, and the book closes with chapters on ornamental stones, metallic gems, organic gems, rare gems, and synthetic materials. The appendixes deal with physical constants, educational sources, and publications, and a lengthy bibliography and index are included.

There are some outstanding color plates and numerous black and white illustrations. It would have been nice to see the latter in color but the expense would probably have put the cost of the book beyond most readers incomes.

One will find an occasional typographic error in the book and the technical data for shaping and polishing material is unevenly covered. These distractions are minor and I really had to look for them. Ms. Zeitner's love for and enthusiasm for gems comes through in every paragraph and these constantly remind the reader how much satisfaction and enjoyment can come from cutting and collecting gems.

This publication is now available in the Club Library.

Roger K. Pabian

Pegmatite

May 1997

San Diego Mineral & Gem Society

PUBLIC LANDS Updates

Forest visits will soon be pay-as-you-go. Hikers and picnickers will soon be packing wallets along with lunches, when authorities begin charging a \$5 per carload fee to visit Cleveland National Forest. This is part of a 3-year experiment at 100 national forests across the country, designed to generate money for campground repair and trail maintenance. Congress authorized the plan in 1996 to beef up dwindling NFS budgets.

Under the plan, to start in May or June, visitors will be asked to buy \$5 day passes or \$30 annual passes available at Forest Service offices, campgrounds, or local vendors. The passes can be placed on the dashboards or hung from the rearview mirror.

People just driving through will not be charged, nor will those stopping at ranger stations for information. Schools and other institutions that bring children on official outings will be also be exempt.

In related matters, entrance fees will double this year at some of the country's most popular national parks, including Yellowstone and Yosemite. Also, a \$5 fee will be charged to motorists who leave paved state or county roads in Anza-Borrego State Park.

(excerpted from *San Diego Union-Tribune* article by David Harpster, 2/20/97)

Larimar

by Hilda Muller

via *Strata Data* 2/96, *The Rockcollector* 4/96, and *Smoke Signals* 5/96

In 1974 an American Peace Corp worker and a Dominican Republic Geologist discovered this gem on the Caribbean island of Hispaniola. The name "Larimar" is a combination of the geologist's daughter's name, Larisa, and "Mar," the Spanish word for blue sea. Like the diamond and emerald, only 3% of all the stones mined are of gem quality. On the hardness scale, Larimar rates around 7 compared to 10 for a diamond.

Until now this valuable new discovery remained available only to those who have visited the Caribbean. Increased interest and scarcity have made this gem very desirable and valuable.

The Dominican Turquoise is a semiprecious stone of light blue and occasionally dark blue color. It is similar to American turquoise even though it has the strength of agate. The stone is found in the Bahoruco mountain range, in the southern part of the country, near the border with Haiti.

1997 ELECTED OFFICERS

President:	Charles Wooldridge, 836 S. 31st St.	Lincoln NE 68510	475-9034
1st Vice President:	Jerry Moore, 2305 So.35th St.	Lincoln NE 68506	489-4184
2nd Vice President:	Edward Ridge, 2507 A Street.	Lincoln, NE 68502	477-8469
Secretary:	Vera Lyman, 420 N. 56th St.	Lincoln, NE 68504	464-6089
Treasurer:	Phyllis Parks, 2435 So. 19th St.	Lincoln, NE 68502	476-6798
Board Member:	Roger Pabian, 5301 X St.	Lincoln, NE 68504	465-0144
Board Member:	Kay Jurgens, 14421 Danvers St.	Waverly, NE 68462	786-2756
Board Member:	Brett Jurgens, 14421 Danvers St.	Waverly, NE 68462	786-2756
Board Member:	Francis Belohlavy, 3015 Orchard	Lincoln, NE 68503	477-4337

Nominating Committee

3 year:	Shirley Rockel Kenneth Doe
2 year:	Vera Lyman Susan Taylor
1 Year:	James Parks to be appointed
Chairman:	<i>Immediate Past President</i>

Long Range Planning & By-Laws Committee

3 Year:	David Heffelbower Jim Parks
2 Year:	Vera Lyman Roger Pabian
1 Year:	Kevin Schwartman Jim Marburger
Chairman:	<i>Immediate Past President</i>

Standing Committees

Membership:	Shirley Rockel	Programs:	Brett Jurgens
Education:	Roger Pabian	MWF Liaison:	Vera Lyman
Field Trips:	Charles Wooldridge	Scholarship:	Susan Taylor
Historian:	John & Lillie Lewis	Christmas Party:	Shirley Rockel
Hospitality:	Eddie "Lightning" Ridge	1997 Show:	John Harrison
Study Coordinator:?		1998 Show:	Roger K. Pabian
Housing/Property:	Jim Parks	1999 Show:	Jim Marburger
Youth Activities:	Kay Jurgens	1997 Swap:	Roger Pabian
Librarian:	Roger Pabian	1998 Swap:	Francis Belohlavy

Auditing Committee:? Jerry Moore, Francis Belohlavy, Mike Jurgens

Gem Palette Correspondent: Vera M. Lyman

Geology Day Coordinator: *2nd Vice President*

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

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

Your PICK & SHOVEL Staff

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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.

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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* are \$10.00 per year mailed.

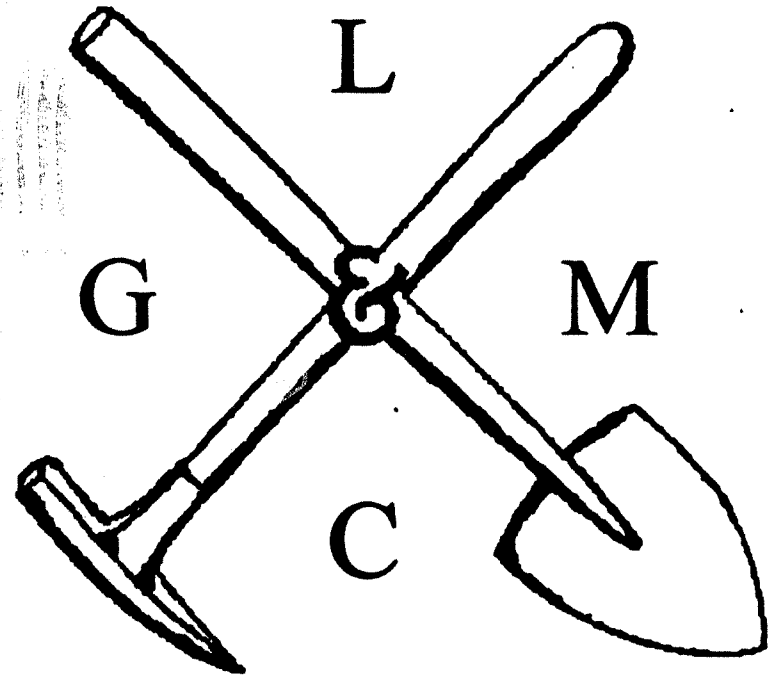
Dues to Lincoln Gem & Mineral Club are as follows:

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

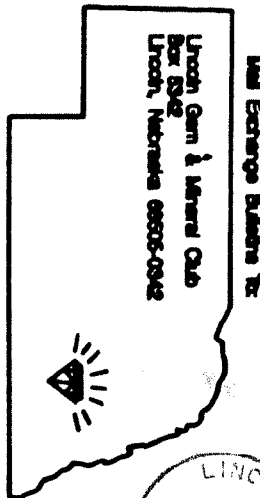
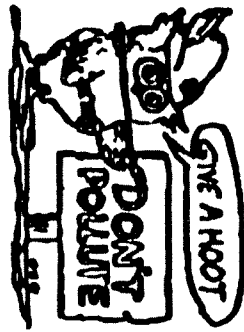
THE PICK & SHOVEL

MAY 1997



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA



H. E. L. P.

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