

CLUB EVENTS

January

- 22 Show Committee Meeting, Bess Dodson Walt Library, 6701 S. 14th St., 7PM
- 25 Annual Swap 1-5PM Antelope Park Shelter House, turn onto Memorial Drive off A St. The shelter is next to Veteran's Memorial, about 30th & A. Set up at noon.
- 25 General Meeting 7PM Antelope Park Shelter

February

- 16 Geology Day at Pioneers Park 1-4 P.M.
- 27 General Meeting, Antelope Park



Scenes from the Christmas Party
December 8, 2002

Annual Swap, SATURDAY, Jan.25

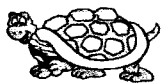
Come one, come all to this fun and exciting annual event! The public is welcome and fliers have been posted to get the word out! Anyone can set up a spot to sell rocks, minerals, jewelry and other hobby-related items, with a portion of the proceeds going to the club to fund our lapidary equipment. There will also be a **SILENT AUCTION** during this period so dig out some long-hidden goodies and bring them to the SWAP!

Pizza Party

In the past, when the SWAP was at the Kellogg Center, the club has gone to Valentino's for dinner after the SWAP and before the general meeting. This year, since we are meeting at Antelope Park, we will have Valentino's deliver the pizza to us. There will be a sign up sheet at the SWAP. The charge is \$5 for adults and \$3 for children. Drinks will be provided by the club.

General Meeting

Program: By Roger ,topic to be announced
Display Material: Lapidary
Door Prizes provided by R. Pabian & J. Reilly
Celebration of LGMC 49th Anniversary: Cake and coffee provided by the club.



PRESIDENT'S MESSAGE

Greetings to my rockhound friends!

It's the start of another year of great opportunities, in our little world of rocks anyway, because we can make our own fun. Don't miss the Rock Swap on Saturday, January 25, 1-4pm (12pm if you want to set up a table) at Antelope Park Shelter. Bring stuff to donate for the silent auctions which will run during that time.

For new members, anything you buy is paid for with **Swapper Bucks**, purchased that day. A portion of each dollar goes to the club to help pay for upkeep on lapidary equipment. If you want to set up a table to sell, you will be paid with Swapper Bucks, which can be cashed in at the end of the day.. Simple!?!

After that we will order (\$5 adults, \$3 kids) and eat pizza, then at 7pm have our 49th annual meeting, refreshments provided. Now if that isn't a fun beginning to the New Year, I don't know what is, except of course a field trip, and there are at least two of those in the works!!



HELP! Susy needs a microphone!

Mark your calendar for Geology Day at Pioneer Park on Sunday, February 16. There will be some talented lapidaries, displays, etc. there for the public to enjoy. Who are they? YOU!! See you January 25.

Susy..... 'I am a lapidary and I do lapidary'

EUROPEAN TRIP

LGMC received a note from Ben Vrana, President of the NE Association of Earth Science Clubs, INC. (NAOESCI) announcing a chance to join him on a tour of several European countries with emphasis on FOSSILS. The cost will be approximately \$3000.00 per person. Please contact Ben at (402) 352-5531 by Feb. 15, 2003 for further details.

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

Deadline for dues was January 1, 2003. They become delinquent 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. We need you!

YOUTH NOTES

There was no youth meeting in December, but there were some very sweet children at the Christmas party. Dusty Lone Eagle had a great time and enjoyed playing with Susy's great-nieces, Jordan and Bailey. This should be an exciting year for the juniors as the club has had several new family memberships in 2002. Maybe we can have some junior editors this year too!

(left: Dusty
right: Bailey and
Jordan)



Are you confused?

Carat, karat, caret, carrot

Carat = a standard unit of mass used for precious stones, especially diamonds, equal to 200 milligrams.

Karat = a unit of proportion of gold in an alloy equal to 1/24 part of pure gold.

Caret = a mark made on printed or manuscript material to show where something such as a letter or word should be inserted. In the USA, the caret is usually made just under the line; other cultures invert the caret and place it above the word.

Carrot = the favorite food of Bugs Bunny.

How can these be remembered?

7 carat stones in a coffee **carafe**; a true carat carafe!

She practiced **karate** to ward off thugs who were after her **18 karat** gold watch.

If you drink too much **claret**, you will need to insert too many **carets** into your missive.

Do parrots munch on **carrots**?

From The Breccia, November, 2002



WHAT'S THE BUZZ?

by Judy Reilly

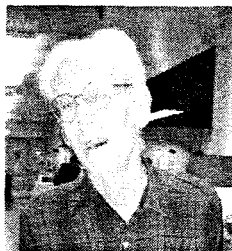
It's 2003 and we have made it through another year of "interesting times." The LGMC has gained several members, some singles and some families. It is so much fun watching the club grow and making new friends!

The January meeting will mark my 2nd anniversary as club member. Sometimes I wonder what I did in my spare time before I joined the club! There is always something to read, so much to learn about this hobby. And there are so many local and regional activities, that a person could spend every weekend attending a club-related function and still not get to do everything. I am really looking forward to lots of shows and field trips this spring and summer.

We are having our basement remodeled and guess what we are adding? Yep, a room for lapidary equipment. (I will learn to make a back bevel yet, Roger!) I don't aspire to become a master jeweler but I love sorting and polishing and cutting rocks so soon I will be able to practice at home!

The past year had its problems, as every year does. There seemed to always be sadness and tragedy in the world and national news. And as a club, we have lost many beloved friends. We miss them but we will move on with our memories and our determination to make 2003 the best year yet!

Remembering Paul



With sadness, the LGMC bids farewell to another long-time member and friend. Paul Brauch, 91 of Lincoln, died Sunday, Dec. 22, 2002. Paul was unable to attend meetings regularly for a long time. He did, however, come to shows faithfully and would always help out wherever he could. Paul was born July 10, 1911 in Pierre, S.D. He was a retired tool and die maker with Western Electric and a member of the First Plymouth Congregational Church. Our sympathies are with his family. He will be missed very much.

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Dec. 4, 2002
7:00 P.M. @ Kinkos, 48th & Vine, Conference Rm.

In attendance: Susan McMahan, Phyllis Parks, Vera Lyman, Dave Heffelbower
Pat Akins. Guests were Jim Atkins & Ed Ridge.

President called the meeting to order.

Minutes of the Nov. Meeting and the Treasurer's report were approved as
printed with motion by Pat Akins, 2nd by Dave Heffelbower. Carried.

Motion for payment of Christmas Party Expenses, new binder for Club
Minutes and Postage stamps for Secretary. Made by Phyllis Parks and
2nd by Pat Akins. Carried.

Approve' given for payment of dues to MWF, NAOESCI and Friends of
Museum including Ashfall & Fort Robinson) when due since it will
occur before next Board Meeting.

NO OLD BUSINESS:

NEW BUSINESS:

Mew members - Yoni & Yonis LoneEagle and son, Dusty. Motion for appro-
val by Vera Lyman, 2nd by Dave Heffelbower. Carried.

Housing Committee set up to check all aspects of leasing and/or buying
Club House/Meeting place. Committee members are Susan McMahan, Vera
Lyman, Pat Akins. Any suggestions, ideas, etc. please forward to
committee at Club P.O. Box 5342, Lincoln, NE 68505

Permission granted to Treasurer to set up future Show Contract dates
with Pershing through 2010.

The MWF Federation Show will be held 2003 at Cottage Grove MN. Phyllis
Parks has volunteered as our Club Delegate and will be granted \$ 100.
stipend after Show with report. Linda Parks volunteered as alternate.

'2003' Meetings: (for recommendation to rank & file) Motion by Phyllis
Parks to schedule meeting dates as follows At Antelope Park if possible:
2/27, 4/24, 5/22, 9/25, 10/29, 11/20, 12/7. 2nd to motion by
Pat Akins. Carried.

Scholarship: Recipient to be undergraduate in Geo-Science field for
a required class. Motion by Phyllis Parks, 2nd by Pat Akins. Carried.

Sympathy - To Francis Belohlavy on death of his father. Family of
Grant Bennett with \$50. Memorial to American Cancer Society. Family
of Billie Heffelbower with \$50. Memorial to family's choice.

JAN SWAP/MEETING: Jan. 25, 2003 at Antelope Park Shelter House
Swap from 1:00 - 5:00 P.M. along with Silent Auctions.
5-7 P.M. Supper from Valentinos @ \$5.00 per adult, \$3.00 per child.
Meeting at 7:30 followed by Silent Auctions.

CLUBS 49th Anniversary - Anniversary Cake & Coffee

Next Board Meeting: Thursday, January 2 at Phyllis Parks Home - 7:00 P.M.

Meeting adjourned.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING/CHRISTMAS PARTY
 Sunday December 8, 2002 5 - 9 P.M. Antelope Park Shelter House

It was a great December Day and 36 people took advantage of it to attend our annual Christmas Party. Members furnished many side dishes and desserts with Club providing meats, drinks and table service. Those who wished, participated in the gift exchange. Table covers and centerpieces were provided by Susan McMahan. Ed Ridge is to be commended for his diligence in providing two Christmas trees, a lighted wreath, and luminaries to light the path to the entrance of the shelter. THANK YOU, ED! Thanks to everyone who helped in any way. Steve May, Ed says Thanks to you for your help in getting everything loaded at the end of the evening.

A short Meeting was called to order by the President, with a moment of silence in memory of 2 members who recently passed away. Grant Bennett & Billie Heffelbower. Our sincerest to their families.

Since the NE Center is closed, it was voted to hold our Meetings for 2003 at Antelope Park Shelter. Motion by Shirley Rockel, 2nd by Susan Taylor. Carried.

The Club also chose to have Scholarship Recipient this next year be an under-classman who is taking required classes. Unanimous. During the Supper hour for our Jan. SWAP/Meeting, we will have Valentino's deliver. Fee will be \$ 5.00 for each adult and \$ 3.00 for each child.

CHRISTMAS PARTY: Topic came up regarding pot luck or catering, followed by lots of pros and cons. Motion by Vera Lyman that everyone think about it and table decision until future meeting. 2nd by John Harrison. Carried.

Show Chair, John Harrison also announced there will be Show Committee Meeting Wed. Jan. 22, 2003 at 7:00 P.M. To be notified of location. Meeting adjourned.

Roger again presented us with an excellent program. He indicated it was an "oldie"; but it was very good. Thanks, again Roger.

HAPPY HOLIDAYS TO ALL AND THE BEST IN 2003!

Respectfully submitted,

Vera Lyman
 Vera Lyman, Secretary

LGMC Treasurer's Report for December, 2002		
Pinnacle Checking Balance on Nov. 30, 2002		\$ 2,344.99
December Receipts:		
Sale of Meats - Christmas Party	21.50	
Membership Dues - 2003	<u>226.00</u>	<u>247.50</u>
December Payments:		
Kinkos - Dec. Board Mty.	15.00	
Memorial - Billie Heffelbower	50.00	
UNL-NE Center - 11/21 Mty & Refresh.	235.54	
Secretary Exp. 4/24-12/4 (Post/3 ring)	50.24	
Christmas Party Meats/all misc.	104.48	
P. O. Box Rent - Postmaster	<u>68.00</u>	<u>523.26</u>
Pinnacle Checking Balance on Dec. 31, 2002		\$ 2,069.23

Lincoln Gem & Mineral Club, Inc.
Suggested Budget for 2003

ESTIMATED INCOME

Annual Show \$1,500.00
Interest 2,000.00
Membership Dues 800.00
General Income 200.00

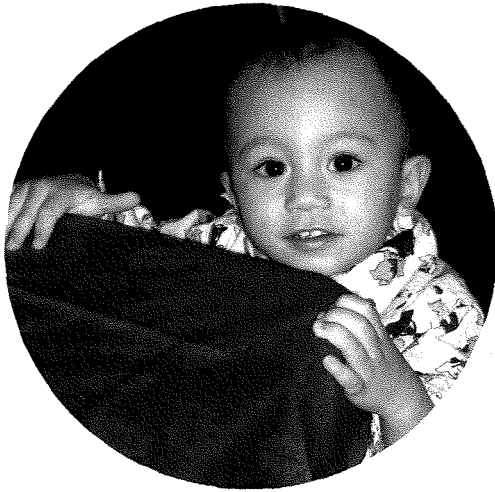
Total Income \$4,500.00

ESTIMATED EXPENSE

Dues to Affiliate Organizations
Friends of the State Museum \$ 70.00
Midwest Federation 150.00
NE Assn. Earth Science Clubs 75.00 \$ 295.00

Meeting Site Rental 825.00
Insurance (Officers' Bond) 125.00
Insurance (General Liability) 150.00
Pick & Shovel Publication/ Mailing 800.00
Post Office Box Rental and Safety Deposit Rental 90.00
Misc. Postage 100.00
Refreshments
Anniversary/ January Swap \$125.00
Show Set-Up 275.00
General Meetings 100.00 \$500.00
Scholarships 500.00
Awards 100.00
Field Trip Expense/ First Aid Kits 100.00
Historian 100.00
Librarian (Books Magazines Binders Bookcases) 100.00
Programs 100.00
Misc. Officer & Committee Expense 170.00
(Sec.- \$40, Treas. \$40, Membership \$20, Misc. \$50
Corporation fee \$20)
Christmas Dinner 200.00

TOTAL EXPENSES \$4,255.00
TENTATIVE GAIN \$ 245.00



CHRISTMAS PARTY
DECEMBER 8, 2002



FEDERATION NEWS



Loud & Clear
from George Loud

From AFMS Newsletter
December, 2002-January, 2003

Rockhard Criminals

Last May two rockhound buddies were collecting agatized coral in the Aucilla Wildlife Management Area (WMA) known as the "Coral Lands" or "Western Slough" area in Jefferson County, Florida. They were arrested by an officer of the Fresh Water and Game Commission locally referred to as a "game warden." The rockhounds spent 10 hours in a cold jail cell before being released on bond. This particular WMA is described as having Indian burial mounds within its boundaries and a number of "preserved sites" where the presence of artifacts has been noted. The site of the rockhound dig was neither in an Indian burial mound nor in a "preserved site." The only posted prohibition against collecting covered only Indian artifacts. The rockhounds were charged with violation of the Florida State Criminal Code, specifically "Criminal Mischief," a misdemeanor. The Public Defender's Office in Jefferson County, Florida advised me in telephone conversation that they knew of no Florida statute or agency rule governing the removal of rocks and minerals from state lands for recreational purposes. Further, I was told that the rockhounds would have a good defense if the case were to be tried because of lack of notice and to doubts as to whether or not the digging of a hole and the removing of rocks amounted to what would be regarded as "criminal mischief." However, the charges were eventually dropped and the matter never went to trial. At present, I know of no statute, agency rule, legal precedent or even stated policy covering collecting of agatized coral or other rocks and minerals on Florida state land. However, we do know that the aforementioned arresting officer is still plying his trade in the Aucilla WMA area and can be expected to treat other collectors he might encounter in the manner described above. Accordingly, unless we can obtain a favorable policy decision from the Florida state agency having jurisdiction over the land, rockhounds should avoid the area.

Lapidary...Bill White & Roger Pabian

From MWF Newsletter January, 2003

Back in 1979 or 1980, I had published in the now defunct publication, "Jewelry Making, Gems & Minerals," an article called "Free Form or Accident." In that essay, I described a cabochon in strictly abstract terms of being a curve rotated about an axis and having a plane passed through it. The volume that was cut off from the so formed solid by the plane defined the cabochon. I will refer you to that article for further details. Over the years I have received correspondence from lapidaries who have mostly had positive comments and suggested the article was of some help.

I really never covered in the above article, how many basic curves or lines one needs to know how to form in order to shape even the most exquisite cabochons. One might look at the work in some advanced cases and think one needs to know quite a few dozens of basic curves or lines to do fancy work. Actually, you only need to know three basic cuts or curves and lines. These are the outside curve, the inside curve and the straight line. Everything else is a combination of these three basic steps. In the 1979 article, I compared some lapidary steps to things one would see in a free skating routine. An Olympic class skater needs only to know the outside edge, the inside edge and the flat. Everything else is based on the diameter of the curve formed by the edges. Even landing a spectacular jump is based on tracing the right edge. So it goes with lapidary work too.

The circle or oval is the basic outside curve. The crescent is a combination of an outside and an inside curve. The triangle or square is a combination of three or four straight lines, and so it goes.

The heart (actually a ram's head) does not qualify as an inside curve; it is really one oval superimposed over another.

There are a lot of sources for finding fancy curves. I recommend math books and many of the recreational math books will provide you with plenty of ideas. If you've had some basic algebra or analytic geometry, you can get some graph paper and construct some of your own curves. You might even do some work with such kinds of coordinate systems such as polar coordinates or logarithmic papers.

If you really want to get way out with the curves, I suggest looking at publications or books on chaos theory and fractals. If you have a computer handy, there are a number of fractal programs that will give you an infinite supply of interesting curves.

Roger K. Pabian



ROCKY RAMBLINGS BY EVEY

THE SOAPSTONE CARVING STORY

We were doing a show in Harlingen, Texas, and I had a lot of very lovely soapstone carvings in my space. A man came along and asked if I sold wholesale on the carvings. I told him he had to buy a quantity before I could sell them that way. He looked some over and then asked, "How many do I have to buy?" Thinking he would buy one and then want a discount, I told him "Twelve small carvings". He picked out twelve and we made the deal. As Lois was wrapping them up, he told me, "I am an antique dealer and I sure wish those carvings had a nick or two on them. I looked at him and said, "I'll nick them a little but the price will go up as they will be "antiques". We both laughed and he walked away with some brand new antique soapstone carvings. Hey?? Wonder if he ever did that to them?

Rockspectfully,
Evey

(Evey was quite ill recently. He gave us a scare but he's out of the hospital and living with his daughter, Janet! EDITOR)

2003 REGIONAL FEDERATION SHOWS

**Combined California/AFMS June 5-8
Ventura, CA**

**Midwest Aug 15-17
Cottage Grove, MN**



**Northwest/ Aug 1-3
Kennewick, WA**

**Rocky Mountain/ July 11-13
Casper, WY**

**South Central/ Feb. 22-23
Pasadena, TX**

**Eastern Federation
& Southeast
To Be Announced**

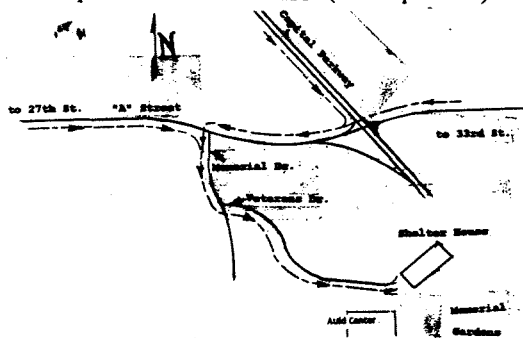
25th Annual
Gem and Mineral

SWAP

Saturday, January 25, 2003
Hours: 1:00 P.M. to 5:00 P.M.

NEW LOCATION
Antelope Park - Shelter House (see map below)



Buy, sell or trade: Rocks, Minerals, Fossils, Finished Gemstones, Rough Gemstones, Minerals, Crystals, Beads, Books, Equipment, Supplies and all other gem and mineral related materials.

Admission: Active swappers with tables should provide materials for silent auctions. Proceeds are to go to the Lincoln Gem and Mineral Club's Lapidary Educational Fund

Visit LGMC Website by Jim Atkins.....<http://incolor.inetnebr.com/jna/gemclub/lgmc.htm>

Book Review

Arab Roots of Gemology: Ahamd ibn Yusuf Al Tifaschi's "Best of Thoughts on the Best of Stones. Translation with commentary by Samar Najm Abul Huda, Scarecrow Press, Inc., Lanham, MD and London, 1998, \$40.00

This is a small but very interesting volume that should be of great interest to all who are interested in the history of gems and gemology. We will probably never find out who or what culture first began using pretty stones for personal adornment or ornamentation of impersonal objects, but "Arab Roots of Gemology" ("Roots") strongly suggests that the first scientific studies of gems began in the Arab cultures of North Africa and the Levant sometime around 640 A.H. 1242 C.E. when the manuscript was first written.

The organization of "Roots" is probably what makes it most useful to the student of the history of gemology. It begins with a short biographical sketch of Ahamd ibn Yusuf Al Tafaschi (Ahmad, Son of Joseph from Tifaschi). Tifaschi is a city in North Africa where Ahmad was born. The section deals with Ahmad's business ventures and his interest in stones. Although he is described by many authors as a gem dealer or jeweler, Al Tifaschi was mainly a judge, poet and scholar (p. 10).

You will learn that there are several versions of the "Roots" manuscript and Samar Najm Abul Huda lists 14 that she used in her research. They are deposited in the Bibliotheque Nationale (National Library) in Paris, France, the Egyptian Organisation for Books, and the Arab League Head-quarters, both in Cairo, Egypt.

There may be other "Roots" manuscripts in other repositories such as the museum in Constantinople, and Abul Huda alluded to these but did not suggest that she

actually viewed them.

Al Tifaschi was fluent with the literature of his era and all of the earlier, important and well known works (Theophrastus, Pliny, etc.) as well as some minor authors are cited therein. This is well pointed out in the introductory chapters.

It is interesting to note that much of the gemological terminology was in place at the time that Al Tifaschi produced his work. These appear in tabular form with the English version, and the spellings and pronunciations in Arabic. For example, Hasba refers to alluvial deposits and Ahdjar masnu'a refers to man-made stones. The implication is that such things as assembled stones (doublets) or paste that was used to imitate costly gems are the subjects rather than synthetic stones as we know them today.

There is sufficient terminology to suggest that the Arab gem miners, lapidaries, and dealers were familiar with the several different kinds of occurrences of stones; igneous, sedimentary and metamorphic. The general text deals with much of the kinds of deposits from which the stones were collected.

The section that deals with weights and measurements that were used for stones at that time and the numismatic (monetary) data that accompanies the text is most interesting. Several scales are given as these differed from place to place. For example, the mithqal of Morocco may have differed from that of Lebanon. A couple of short paragraphs furnish important data about Islamic coinage that circulated at that time and the reader is familiarized with the Dinar, Dirhem, and Fulus. This data can provide the reader with some

(Continued p. 6)

(Continued from p. 5)

idea of the prices stones may have realized in terms of modern dollars if he or she is familiar with coinage of that time.

The text appears in both English and Arabic and this makes the publication useful to English reading and Arabic reading researchers; however, one who can read either language can read and enjoy this volume.

Al Tifaschi provided a rather peculiar hardness scale that does not exactly correspond to that of Mohs. Some of the hardnesses are out of place but this may be due to the fact that the differences between hardness and toughness were not considered. There is also a scale of heat and cold that ranges from 4 cold to 4 hot, diamond being coldest and ruby being hottest.

Al Tifaschi appears to have been aware of some optical properties such as the refractive index of stones. These may have been observed as to how much a stone might bend a beam of light but there are no tests for specific refractive indexes. However, there is some hint as to the usage of immersion fluids to identify stones.

Almost all of the stones are given some property of healing if they are pulverized and drank in a liquid. Things of higher specific gravity often will physic a person so some of these may have actually provided temporary relief for minor digestive ills.

Many stones are reputed to protect you from arrows, the evil eye, poisons, etc., but none are assigned the properties of providing you any mental prowess, or any other metaphysical property.

One serious oversight by Abul Huda in this work is the suggestion that Al Tifaschi's work pre-dated European

works such as Agricola (1546) or Boetius de Boodt (1609) by several hundred years. In fact, almost contemporaneously, Alfonso X, the wise, a king of Spain produced a very scholarly work on stones. This oversight in no way negates any of the value of Abul Huda's translation.

Since my own research in agate has led me to studying history of sites in the Arabian Peninsula, I was interested to see that there are three words for agate in Arabic.

The first is Aqiq (AhKeek) which most western scholars use for agate in general but which Al Tifaschi reserves for what we would call carnelian (flesh colored) and cornelian (horn colored).

Fortification or banded agates are called Djaz (Duh Jazz), a word I did not know before reading this volume. These stones did not enjoy great usage except among the lowest classes and many were pulverized to use as a polishing compound. (Ooh! Pain! Agony!)

Jasper is referred to as Yassb and it is given slightly higher status than Djaz, above.

The book closes with short chapters on lapidary techniques and synthetic and imitation stones that were around at the time of Al Tifaschi.

"Arab Roots of Gemology" is not for everybody but one who enjoys the history of gems, and the development of gem collecting as an avocation will find a great value in this book. You will genuinely get a short tour of gem markets in such places as Cairo, Bagdad, Damascus, India and China.

Roger K. Pabian



2003 ELECTED OFFICERS

President	Susy McMahan	5636 Greenwood St.	Lincoln, NE	68507	464-0065
1 st Vice Pres.	Pat Akins, Jr.	5017 No. 6 th St.	Lincoln, NE	68521	477-1322
2 nd Vice Pres.	James Marburger	330 Locust	Hickman, NE	68372	792-2348
Secretary:	Vera Lyman,	420 N. 56th St.	Lincoln, NE	68504	464-6089
Treasurer:	Phyllis Parks	2345 So. 19th St.	Lincoln, NE	68502	476-6798
Board Member	David Heffelbower,	1819 Washington St.	Lincoln, NE	68502	cell 890-2794
Board Member	James Atkins	3028 So. 35th St.	Lincoln, NE	68506	483-1610

Nominating Committee

3 years	Amy Dexter-Guy
	Edward Ridge
2 years	John Harrison
	Aulden Stewart
1 year	Judy Reilly
	David Heffelbower

Chairman-Immediate Past President James N. Atkins

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

Standing Committees

Education / Librarian	Roger Pabian	MWF Liaison:	Vera Lyman
Field Trips:	Pat Akins, Coordinator	Scholarship:	Vera Lyman
Historian:	Susy McMahan	Christmas Party	Edward Ridge
Membership Record:	Edward Ridge	2003 Show:	John E. Harrison
Programs:	Roger Pabian	2004 Show:	Roger Pabian
Property:	Brett Jurgens	2003 Swap	David Heffelbower
Youth Activities:	Kay Jurgens & Committee	2004 Swap:	?
Refreshments & Door Prizes	Judy Reilly		
Housing Committee:	Susy McMahan, Pat Akins & Vera Lyman		
Auditing Committee:	John Harrison, Roger Pabian, James Marburger		

Geology Day Coordinator : 2nd Vice President

L. G. M. C. web page address:

Your PICK & SHOVEL Staff

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

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
ROUGH - SLABS - MOUNTINGS
STERLING SILVER - GOLD FILLED - 14K GOLD
SILVER SUPPLIES - TOOLS - MACHINERY - NEW AND USED
CUSTOM SERVICES FOR SLABS, FLAT LAPPING, AND CABOCHONS

STARTING OUR 28th YEAR

330 LOCUST
HICKMAN, NE 68372-0068

PHONE
402-792-2337

"PROVIDING SUPPLIES FOR THE NOVICE TO THE DISCRIMINATING ROCKHOUND"
Please Call for Appointment

LINCOLN GEM & MINERAL CLUB

hosts our

45th Annual Show

PERSHING MUNICIPAL AUDITORIUM

March 29 - 30, 2003

'EARTH'S TREASURES'

Show Chairman - John Harrison

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.

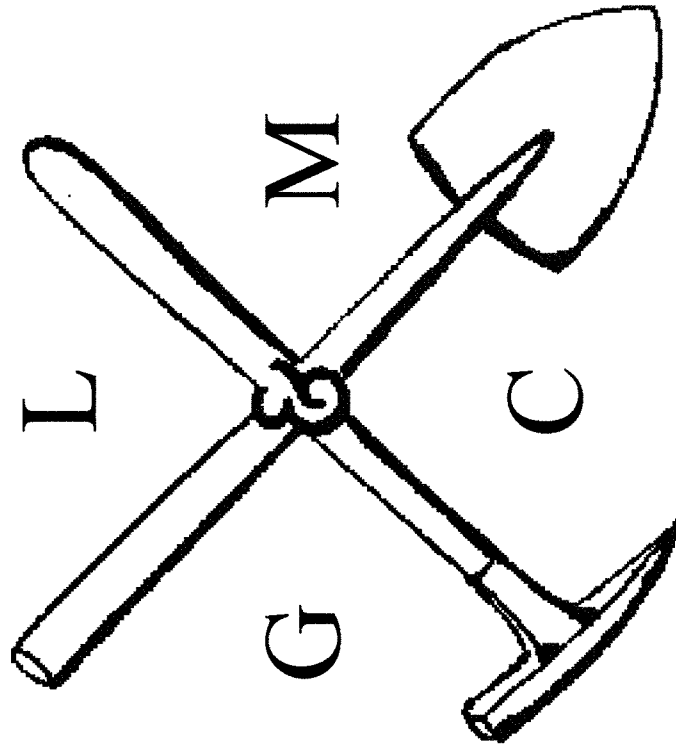
Dues to Lincoln Gem & Mineral Club are as follows:

Adults (age 16 and over)	\$10/00 per year	Juniors (age 12 to 16)	\$2.00 per year
Family Membership (Husband, wife, resident children under age 16)			\$22.00 per year

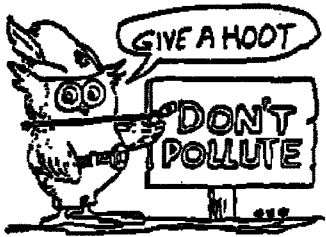
New memberships must be approved by the Board, after the applicant attends at least one meeting of the club and pays the above dues plus a \$5.00 registration fee.

THE PICK & SHOVEL

January 2003

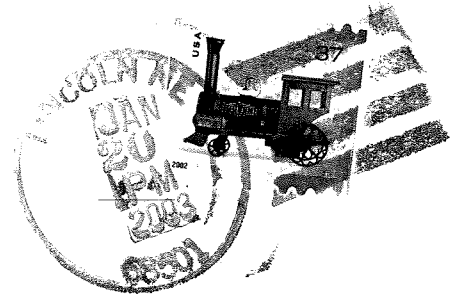
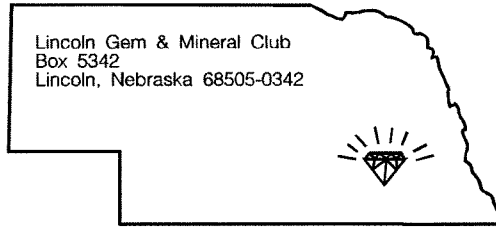


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