

# CALENDAR

Club Members: Friday, March 20, 1998  
 Pershing Auditorium, **SET-UP of our 40th Annual Show--9 A.M. or as soon after as possible. Cover display tables, assemble and clean display cases and many other needed tasks.**  
 Coffee, Tea, Donuts & Bagels will be provided by the club.

Reg. Meeting-Saturday March 28-Antelope Park Shelter, 7:30, Show Discussion. We'll make coffee-bring cookies!!

April 25, 1998-Nebr.Center, 33rd & Holdrege 7:30 PM, Program on **OPALS.**

WELCOME New Member- Michelle Crawford  
 2943 M St.  
 435-0178

'98 WHO'S WHO is ready and two phone numbers need to be changed(my darn computer.)

Vera Lyman should be 464-6089

Danny Cromer's is 438-0337

### A BIT OF LGMC HISTORY:

Irl Everett, our founder, researched names at the city libraries of persons who had checked out books on Lapidary, Gems, Minerals and Fossils. He then sent out notices of a get-together to discuss and plan the possibility of a club for further study and enjoyment of the common interests. This took place in January 1955 and evolved into 'The Lincoln Gem & Mineral Club.'



This picture of our founder Irl Everett was taken by Scott McClurg of the 'Daily Nebraskan' staff and is being used with permission from the November 12, 1997 issue.

**NEXT LGMC SHOW - MARCH 21-22, 1998, Pershing Auditorium**  
 (Our 40th Annual Show)  
 HOST to  
**NEBRASKA STATE SHOW-1998**

### Nearby Shows to Visit

- March 27-29    SHOW    St. Louis, Mo., Machinist Auditorium  
 12365 St.Charles Rock Road
- April 17-19    SHOW    Macomb, IL, Mid America Paleontology Society
- April 19        SHOW    Cedar Falls, IA, Blackhawk Gem & Mineral Club

<b>1998 REGIONAL SHOW SCHEDULE</b>
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### EASTERN FEDERATION

**CALIFORNIA FEDERATION**  
 July 3-5  
 Monterey, California

### SOUTH CENTRAL FEDERATION

February 28 and March 1  
 Corpus Christi, Texas

### NORTHWEST FEDERATION

June 12-14  
 Billings, Montana

### SOUTHEAST FEDERATION

NOT POSTED YET

### ROCKY MOUNTAIN FEDERATION

**MIDWEST FEDERATION**  
 / **AFMS Combined**  
 August 11-16

Houghton, Michigan

# YOUTH NOTES

It's show time! No, we're not talking about the big top! We're talking about the Lincoln Gem and Mineral Club's 40th anniversary show this month. The juniors have been making plans and preparing items for the junior booth. We plan to make this the best junior booth we've ever had. This would not be possible without the excellent junior workers.

Thank you to those who have donated items for our spin wheel, table, and for the individual members. We have a specimen each month for the members attending meetings to take home, as I feel hands on experience is the best way to learn about something.

**Juniors-** this is a reminder to keep your thinking caps on, and call me if you have any other great ideas for the show. Reserve the weekend of March 21 and 22 to be working at the junior booth!!!!!! We have a lot of activities planned. This is what makes our booth one of the best in the area.

**Adults-** invite youth to the show! If you're tired of the same old rocks at home, we welcome donations. This is what has kept us going over the years. Thanks to Irl Everett for his donations at the February meeting!!!

It's fun to note, we have children come up to us during the show and ask, "How do you get to work here?" They KNOW how much fun we're having!

See you at the show!

## February Displays

Thanks to Jim Parks, Eddie Ridge, and Dave Heffelbower who also brought examples of amethyst for exhibiting. **RKP**

## March Displays

Aquamarine or recent acquisitions.

## Editor's Note:

Perhaps we don't say "Thanks Roger!" often enough for all the many things he has done and just keeps on doing for Lincoln Gem & Mineral Club-especially for those of us who attend meetings and enjoy the displays that he provides cases for, helps to fill with new and unusual materials and especially for sharing his expertise with us whenever we ask. That is only one of the ways that he shows his support for us--now **Let us all show our support for him by really supporting this, Our 40th Annual Gem & Mineral Show which Roger is chairman and chief promoter of.**

Phyllis

## "THANKS ROGER!!"

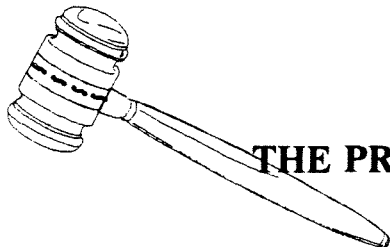
Below you will find the answers to the questions on page 3 so that you can verify your accuracy.

Did you guess them all? In case you didn't here are the answers:

- 1) alexandrite, 2) quartz, 3) emerald, 4) topaz,
- 5) malachite, 6) tourmaline, 7) morganite, 8) turquoise, 9) pearl, 10) jade, 11) rhodochrosite,
- 12) ruby, 13) aquamarine, 14) jet, 15) labradorite, 16) diamond.

From NEWS OF THE CARLTON COUNTY GEM & MINERAL CLUB, INC. via LEAVERITE NEWS.





## THE PRESIDENT'S MESSAGE

Fellow Club Members

I as well as all of you am looking forward to our show this year and I would encourage one and all to participate. The show as you know is a lot of work and we can use all of the help we can get Friday (all day for set up) and Sunday evening for take down.

This is our 40th Anniversary Show so let us make it a great one.

See you there.

*Jerry*

The Guessing Game is borrowed from "The Trilobite" edited by Margaret Pearson of the Wisconsin Geology Society. Answers may be found on page 4 for your convenience.

**THE GUESSING GAME ....** How many of these do you recognize?

- 1) One color by day, another by night. A fine one is a collector's delight.
- 2) The most common mineral, yet with beauty galore -- most lapidaries of this are still looking for more.
- 3) From the land of the Inca comes this lovely stone. But the price of a clear one is cause for a groan.
- 4) Aluminum fluosilicate is the chemical name. When it's heated, the color just isn't the same.
- 5) From Africa comes a fine stone so green. A high-priced one at our Rockrama was seen.
- 6) A red-and-green makes up the best, and almost any color can be the rest.
- 7) A form of beryl that's truly pink -- to bring out its beauty, facet it, I think.
- 8) This stone has the deep blue of the sky, and for setting it, silver work you should try.

9) A gist of the sea is this sought-after jewel. Imitations may even an expert fool.

10) They say Chinese know this by its feel, and whether it's cheap or surely real.

11) It's manganese protocarbonate in beautiful hands. The best still comes from a faraway land.

12) Burn up your teakettle with some chromium salt, and you'll make a red stone with hardly a fault!.

13) We think of the sea when the stone is clear. Our friends facet them, I hear.

14) A mixture of hydrocarbon this gemstone bright. Polished to a high luster and black as the night.

15) Thin inclusions give a color display. you'll know this feldspar right away.

16) The common kinds are known as "bort", but on special rings the good's the right sort.

## GEOLOGY DAY 1998

Sunday, February 15 turned out to be one of the most rewarding in our joint ventures with Pioneer Park's Nature Center Staff. We were assembled in the new auditorium overlooking the western end where the lakes, tall grasses, birds and animals can be viewed from the west veranda. Charles & Karen Messenger were our Park Hosts and really helped make it an interesting and worthwhile experience. Many of the visitors missed signing our Guest Book but several of us estimated over 200 persons viewing our displays, asking questions, taking flyers & discount cards and selecting a special 'rock' from those which our Chairperson Ed Ridge provided.

We do know that a group of Webelos with their leaders and parents were there to work at earning their Merit Badge in Geology under the enthusiastic supervision of Karen & Charles Messenger and with many questions of our club members.

Some of our visitors had brought jewelry, rocks or fossils in hopes of help with identification as had been suggested in the Parks Bulletin that listed the event.

Club members bringing displays were Ed Ridge, Roger Pabian, Jim Atkins, Jim Parks, David Heffelbower (assisted by Billy), youth member Danny Cromer (who made a hit with his mice), Marcia Eddy-Hamilton and Kevin Schwartzman. I had the Guest Book and some literature. President Jerry Moore came and visited with the people and new member Susy McMahan was one of the visitors attending as were Kathrine and Talia Schwartzman.

Several park attendants, including our friend Kay Young, viewed and enjoyed the displays. Club members were treated to coffee and snacks by our hosts for which we really thank them.

We must have been participating in these events for at least 15 years and they just keep getting better and better, at least that is my opinion.

Editor Phyll Parks

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**NEWS OF INTEREST:** The March A.F.M.S. Newsletter listed the students selected by each Federation that will receive \$2,000 Scholarships for 1997-98. The two new ones for the Midwest Federation are both attending University of Nebraska at Lincoln, one working on her MS in Geosciences, and one who has her MS in Education and is doing research in Geology for her PH.D. Our most sincere congratulations to each of these young women, and to the University for attracting such students. Announcement was made by Mrs. Louellen Montgomery, President of AFMS Scholarship Foundation, Inc.

## FIELD TRIPS---SAFETY---CODE OF ETHICS?

As the weather warms (we hope) and the days get longer we start thinking of getting out into the field and perhaps search for new treasures to enjoy--Safety is one important consideration as you get out into the field so go prepared for any emergency, drive and walk carefully and don't take any unnecessary chances.

Also Rockhounds have an established Code of Ethics which we should be aware of at all times. Below you will find our most useful one recently printed in the American Federation Newsletter.

## THE AMERICAN FEDERATION

### "Code of Ethics"

- ◆ I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- ◆ I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- ◆ I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- ◆ I will use no firearms or blasting material in collecting areas.
- ◆ I will cause no willful damage to property of any kind - fences, signs, buildings, etc.
- ◆ I will leave all gates as found.
- ◆ I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- ◆ I will discard no burning material - matches, cigarettes, etc.
- ◆ I will fill all excavation holes which may be dangerous to livestock.
- ◆ I will not contaminate wells, creeks, or other water supplies.
- ◆ I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- ◆ I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- ◆ I will cooperate with field-trip leaders and those in designated authority in all collecting areas.
- ◆ I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- ◆ I will appreciate and protect our heritage of natural resources.
- ◆ I will observe the "Golden Rule," will use "Good Outdoor Manners," and will at all times conduct myself in a manner which will add to the stature and public "image" of rockhounds everywhere.

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Feb. 28, 1998  
Nebraska Center for Continuing Education (NCCE) - Beatrice Rm.  
7:30 P.M. "Annual Scholarship Presentations"

Meeting called to order by President Moore.  
Minutes of Jan. Meeting approved as printed with motion by Susan Taylor;  
2nd by Bill Rockel. Carried.  
Treasurer's report approved as printed with motion by Grant Bennett;  
2nd by Jim Atkins. Carried.

Guests included Phillip & Lu Rand, Michelle Crawford (applicant)  
Dr. David Loope and the three scholarship recipients

OLD BUSINESS: The proposed budget set up by the Board for recommenda-  
tion was approved with motion by Irl Everett, 2nd by Grant Bennett.  
Motion carried.

Committee Reports: SHOW - Roger Pabian, Chairman -  
Reported that all the particulars of the Show would be printed in the  
Pick & Shovel. However, he did request all assistance available for  
"Show" set-up on Friday and tear-down on Sunday; as well as help in  
any/all on-going activities during the Show when needed.

No further business.

SCHOLARSHIPS: Susan Taylor, Chairperson - She introduced Dr. David  
Loope who in turn introduced each of the recipients as Susan presented  
each with their special grants.  
The following recipients each presented a short summary of their  
specific studies:

Steven Bohaty - McMurdo Sound, Antarctica (Mt. Discovery)  
"Glacial eradics" "Silica Cells" "Micro-fossil Groups"  
Brian Zurbuchen - Shelton, NE test site  
Small scale Hydralic Conductivity via "Dypole Flow Test"  
(Device built by group at UNL)  
Also invitation to Germany to do similar test (Stuttgart)  
Mark Sweeney - Mechanisms for alluvial fan developement in the Nebr.  
Sandhills. (on the lee side of dunes)  
Studying speed of their formation in conjunction with  
rainfall.

Our SPECIAL THANKS to each of them for their very special presentations,  
and best of wishes in their fields of study.

Respectfully submitted,

*Vera Mai Lyman*  
Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Feb 4, 1996  
 KINKOS - Conference Rm. - 48th & Vine Sts. 7:00 P.M.

President Moore called the meeting to order. The minutes and Treasurer's reports were approved unanimously.

BILLS: Both Club and Show bills were presented for approval and payment. Motion by Vera Lyman, 2nd by Marcia Hamilton. Carried.

Motion by Phyllis P. that the Club pay for 2 copies of "Gem Palette" for Club President & Club Library. 2nd by Marcia H. Carried.

OLD BUSINESS: "Ads" in Pick 7 Shovel have been paid .  
 January Swap was discussed. Proceeds less than last year. Possibly due to many illnesses. Board feels time & location should remain the same. (An excellent winter activity.)

NEW BUSINESS:

Liability Insurance discussed. Premium request not sufficient to cover Club and Show activities. Will look into matter and bring up-to-date.

Letter from Luke Fields, California Club. Their Club setting up cases of State Rock, Gem, Mineral, Fossil from each State. Junior group to undertake this project.

Club Budget: Proposed budget reviewed. Motion by Phyllis P. to present to Club for their approval. 2nd by Ed R. Carried.

SHOW: In Roger's absence, Wooly reported 14 Dealer contracts returned; 4 Demo contracts returned - 3 of which wish to sell. A number of contracts not back yet.

MEMBERSHIP: Suzy McMahan Sponsor: Marcia Hamilton  
 5636 Greenwood St 68507

Has paid dues and attended required Meeting.  
 Motion for approval by Marcia H., 2nd by Jim Atkins. Carried.

FUTURE MEETINGS:

- May 16 @ Antelope Shelter - PIE (dessert) supper
- June 27 - Wooly's picnic - location announced later!!
- July 26 - Grinding Party - Pioneer Park

No further business meeting adjourned.

Respectfully submitted,

*Vera Mae Lyman*

L.G.M.C. Treasurer's Report February 1998

Receipts:	NBC Checking Balance 1/31/98	\$ 709.52
1998 Membership Dues	35.00	
Pick & Shovel Advertising 1997	45.00	
Suspense Gem Palette Subs by Members	6.50	
1998 Show Incomes, Demos, Dealer, Interest	<u>433.24</u>	519.74
Return 3 month CD funds to checking for show payments		2500.00
Payments:		
Pick & Shovel Printing February	52.66	
Jan. Swap Meeting & Refreshments	253.69	
Rent Antelope Shelter Mar. 28 & May 16	120.00	
Rent Meeting Room Feb. Board	20.00	
Spec. Scholarship Grant Memory Helena Baegl	200.00	
New Library Material	60.00	
Special Lap. Class Funds Expense	26.67	
Club's Liability Insurance for year	150.00	
Misc. Expense	1.53	
Send Deposit for 1999 UNL Foundation Grants	350.00	
Suspense Members Subs to Gem Palette	32.50	
Pay for 2 Subs to Gem Palette for LGMC	6.50	
Printing 1998 Who's Who	24.71	
1998 Show Expenses Paid	<u>330.17</u>	<u>1628.43</u>

## Aquamarine, March's Birthstone

Roger K. Pabian

Aquamarine has been the traditional birthstone for the month of March although some jeweler's charts list bloodstone as an alternate. Aquamarine ranges from pale blues to light blues to yellowish blues. Aquamarine is the mineral Beryl, a Beryllium Aluminum Silicate with the general chemical formula  $\text{Be}_3\text{Al}_2(\text{Si}_6\text{O}_{18})$ . Beryl crystallizes in the hexagonal system, it ranges in hardness from 7 ½ to 8 on Mohs scale; it has an imperfect cleavage and a vitreous luster. Optically, beryl is uniaxial negative; some specimens may be strongly dichroic; its refractive index ranges from about 1.57-1.58 or to 1.58-1.59.

Other beryl varieties that have been used for gems include **emerald** (blue green to green), **goshenite** (colorless), **morganite** (pink to violet), and **heliodor** or **golden beryl**. There is also a **red beryl** that comes from Utah.

Inclusions in aquamarine may include mica, hematite, liquid-filled (often salt-water) tubes and hoses. The liquid can expand considerably if the crystals become overheated, causing them to fracture badly, or in rare instances, to explode.

The name aquamarine has been used as a modifier for many other materials such as aquamarine tourmaline, aquamarine emerald, aquamarine chrysolite, aquamarine sapphire, aquamarine topaz, etc.

"**Aquamarine Emerald**" is a registered trade name that is used for a kind of triplet stone that has two layers of usually aquamarine or sometimes colorless beryl that are cemented together with a green cement to create the impression of a true emerald. This kind of stone might be difficult to detect by refractive index alone so magnification will help detect the squiggly flow lines of cement and immersing the stone in water will help detect the several layers that make it up.

Aquamarine glass is a term that is used for light blue to medium blue glass that may or may not include beryl as a constituent.

Aquamarine has also been used to describe the sea, the skies, some General Motors cars, or other pale to medium blue objects.

Old World sources of aquamarine include Madagascar, Russia, and Sri Lanka whereas New World sources include Brazil, Colorado, and North Carolina.

Aquamarine crystals are often elongated along the c-axis whereas emerald crystals are often blunted along the c-axis. This creates the effect of the former appearing wand-like or pencil-like whereas the latter may appear barrell-like.

Most gem beryl comes from a very coarse-grained rock that geologists call pegmatites. Pegmatites are emplaced late in the magmatic history of an igneous terrane and they represent the late stage volatiles that crystallize in hydrothermal deposits. Beryl crystals can often become quite large, some exceeding 25 feet or more in length along the c-axis.

Some aquamarines are chatoyant and can produce a nice eye. Asteriated aquamarines do not appear in any of the sources I have examined.

Most synthetic aquamarines are actually synthetic spinels. Flux-fusion processes yield a glass rather than a crystal when beryl is processed in them although the colors can be retained. Light blue is very difficult to produce in synthetic corundum. Some of the hydrothermal processes that are now available for synthesizing gems may yield decent synthetic aquamarines.

**Aqua Aura** is a registered trade name that provides an aquamarine substitute. It is produced by an essentially monomolecular thick coating of gold over a quartz crystal or gem. The gold coating is achieved by vaporizing the gold in bell and allowing the

gold to precipitate on the object to be coated. Such coatings are used when one is preparing micro- or nanofossils or microcrystals for imaging in a scanning electron microscope.

Because of a fairly low refractive index, aquamarine needs a fairly deep pavilion with angles of about 43° to assure maximum internal reflection. Too shallow a pavilion will cause the stone to appear empty and too deep a pavilion will cause the center to become dark. Best results are often obtained with an emeralds style cut to take advantage of the double refraction and low birefringence.

#### **For Further Reading**

Schumann, W., 1977. Gemstones of the World. Sterling Publishing Co., New York, 256 p.

Shipley, R. M., 1971. Dictionary of Gems and Gemology. Gemological Institute of America, Los Angeles, CA, 230 p.

Sinkankas, J., 1959. Gemstones of North America. Van Nostrand Reinhold Company, New York, 675 p.

Sinkankas, J., and Read, P. g., 1986. Beryl Butterworth Books, London, Boston, 225 p.

## **1998 Show News**

Following is listing of the committee and the dealers, features, demonstrators, programs that have been arranged for the show as of March 1, 1998. We hope to add new names to the list and plan on having as many members as possible work, display, or demonstrate at the show.

### **SHOW COMMITTEE**

**Roger K. Pabian.** Chair

**Dealers & Demonstrators,** Charles Wooldridge  
**Displays,** Eddie Ridge

**Floor,** Jim Null

**Promotions,** Vera Lyman, Roger Pabian

**Junior Activities,** Kay Jurgens

**Ribbons, Awards,** Kevin & Kathy Schwartzman

**Ruby Raffle,** Susy McMahan

**NAOESCI Silent Auction,** Betty White

**Feature Displays,** Bill & Betty White

**Hospitality,** Shirley & Bill Rockel

**Internet Display,** Francis Belohlavy

**Programs,** Brett Jurgens

**Security,** Vera Lyman, Harry Stewart

## **DEALERS**

**Westside Agates,** Ames, Iowa

**Schooler's Minerals & Fossils ,**

Blue Springs, Missouri

**Teton Gems,** Boise, Idaho

**J.J. & L. Gems & minerals,** Hickman,  
Nebraska

**Custom Gems,** Omaha, Nebraska

**Prisma Enterprises,** Timnath, Colorado

**St. Paul Gems & Minerals,** Ontario, California

**Francina Maria Designs,** Auburn, Kansas

**P.J. Andrists' Rocks,** Bandon, Oregon

**Peterson's Rocks & Gems,** Oakland, Nebraska

**Bruce & Fern Simon,** Lincoln, Nebraska

**Lentz Lapidary,** Mulvane, Kansas

**Everett Lapidary Shop,** Lincoln, Nebraska

**Jaynes,** Columbia, Missouri

## **DEMONSTRATORS**

**Mary McCartney,** Rock Painting

**Connie McCartney,** Scrimshaw

**Brent Gould,** Polished Limb Casts

**Tom Teague,** Rock Carving

**Marcia Eddy-Hamilton,** Wire Wrap

**David Heffelbower,** Opal Cutting

## **FEATURED DISPLAYS**

**Denver Museum, Colorado Minerals &**

**Diamonds,** Jim Hurlbut

**Cretaceous Fossils, Nebraska Gems,**

Donovan Harris

**World Minerals,** Bruce Steinmetz

**Thumbnail Minerals,** Louellen Montgomery

**Petrified Wood,** Norman Balliet

**Arizona Wood,** Pat Akins

**Lapidary,** Bill White

**Minerals,** Betty White

**Gems of Shakespeare's Time,** Linda Plock

**Rubies,** Sartor-Hamann

**Trilobites,** Bill Rushlau

**Jewelry Art,** Ray & Ila Kunc

## **PROGRAMS**

**Saturday:**

**1:30 PM Colorado Diamond Mining**

Jim Hurlbut, Denver Museum Natural  
History

**2:30 PM Rubies,** Bob Fixter, Sartor-Hamann

Jewelry

**Sunday**

**1:30 PM Colorado Minerals,** Jim Hurlbut

Denver Museum Natural History

**2:30 PM (Open)**

## 1998 ELECTED OFFICERS

<b>President:</b>	Jerry Moore, 2305 So.35th St.	Lincoln NE 68506	489-4184
<b>1st Vice President</b>	Edward Ridge,2507 A Street.	Lincoln,NE 68502	477-8469
<b>2nd Vice.Pres.</b>	Shirley Rockel,1134 W.Avon Lane	Lincoln,NE,68505	464-3059
<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>	Jim Atkins, 1333 So.15,Apt.1	Lincoln,NE 68502	438-2434
<b>Board Member:</b>	Kenneth Doe,925 El Avado Ave.	Lincoln,NE 68504	466-4877
<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

### Nominating Committee

<b>3 years</b>	Roger Pabian Bill Rockel
<b>2 year:</b>	Shirley Rockel Kenneth Doe
<b>1 year:</b>	Vera Lyman Susan Taylor
<b>Chairman:</b>	<i>Immediate Past President</i>

### Long Range Planning & By-Laws Committee

<b>3 years</b>	Charles Wooldridge Kevin Schwartzman
<b>2 Year:</b>	David Heffelbower Jim Parks
<b>1 Year:</b>	Vera Lyman Roger Pabian
<b>Chairman:</b>	<i>Immediate Past President</i>

### 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>	John & Lilly Lewis	<b>Christmas Party</b>	
<b>Hospitality:</b>	Eddie "Lightning" Ridge	<b>1998 Show:</b>	Roger K. Pabian
<b>Study Coordinator:?</b>		<b>1999 Show:</b>	Jim Marburger
<b>Housing/Property:</b>	Jim Parks	<b>2000 Show:</b>	
<b>Youth Activities:</b>	Kay Jurgens	<b>1998 Swap:</b>	Francis Belohlavy
<b>Librarian:</b>	Roger Pabian	<b>1999 Swap:</b>	

#### Auditing Committee:?

**Gem Palette Correspondent:** Vera 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

<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

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, particularly youth and student groups.

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

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402-792-2337**

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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.

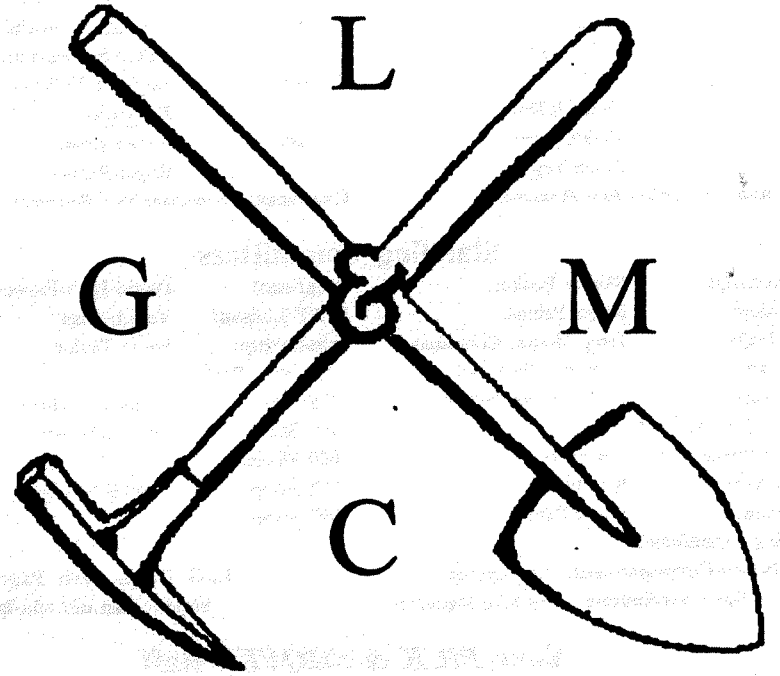
Dues to Lincoln Gem & Mineral Club are as follows:

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.

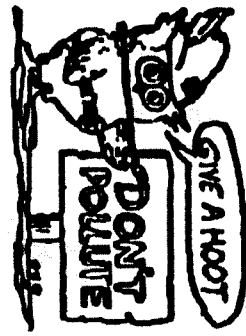
# THE PICK & SHOVEL

MARCH 1998



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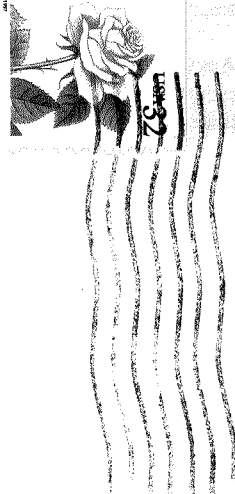
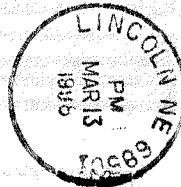
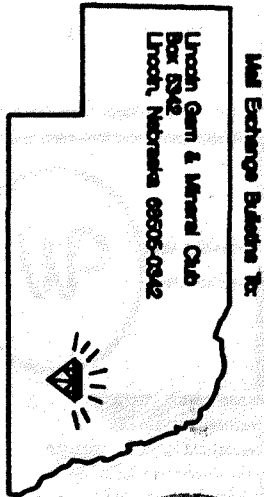
LINCOLN, NEBRASKA



**H. E. L. P.**  
Help Eliminate Litter Please



Associated with



Susy McMahan  
5636 Greenwood St.  
Lincoln, NE 68507

