

CALENDAR

Sept. 23 Meeting-7:30 PM, Nebraska Center, 33rd & Holdrege, Norfolk Room,
Nominating Committee Report.
 Program: Mr. Brad Cross, Austin Texas, "Agates of Northern Mexico"
 (Abstract by Roger Pabian printed on page 4.)

Youth will meet at 7 PM. Bring **ROCKS** from this summer!!!!

Board Meeting-Monday, October 2, 7:30 PM, At Vera Lyman's home

October Meeting-Saturday the 28th, 7:30 PM--Dessert Supper - Antelope Park Shelter

November Meeting (18th, a week early) @ Nebraska Center Norfolk Room, before Thanksgiving.

Christmas Pot Luck-Sunday December 17, Antelope Park Shelter=
 Meats & Coffee to be provided.

Changes for your Who's Who '95:

Roger Pabian has moved ! New address 5301 X St, Lincoln, NE 68504, Phone 465-0144.
 New address for Kevin & Kathrine Schwartman, 1711 West Mulberry St. Lincoln NE 68522.
 New members: Harold M. Bauer & Granddaughter Jen Anderson., 429 E St. Lincoln, NE 68508

LGMC SHOW -March 23 and 24, 1996 - Pershing Auditorium

Local Shows & Swaps for 1995

| | | |
|------------|-------------------|--|
| Sep.23-24 | SHOW | Loup Valley Gem & Mineral, Schuyler |
| Sep.23-24 | SHOW | Ozark Mt.G & M Soc.,Springfield,MO |
| Oct.7-8 | SHOW | Nebr.Min.Gem Club,Omaha, NE |
| Oct. 14-15 | SHOW | Topeka G & M Society,Topeka, KS |
| | | Ag Hall, Expocentre. 17th & Topeka |
| Oct.21-22 | STATE SHOW | Grand Island Earth Science Club, Fonner Park |

MEMBERS BRING Agates-All Kinds-Especially Mexican-Cases Provided.

1995 REGIONAL SHOW SCHEDULE

SOUTH CENTRAL FEDERATION

April 28-30

Waco, Texas

NORTHWEST FEDERATION

/AFMS Combined

July 13-16

Boise, Idaho

SOUTHEAST FEDERTION

December 8-10
 Fairgrounds

ROCKY MONTAN FEDERATION

June 9-11

Oklahoma City, Oklhomia

MIDWEST FEDERATION

OCTOBER 13-15

Detroit, Michigan

EASTERN FEDERATION

March 17-19

Hickory, North Carolina

CALIFORNIA FEDERATION

June 23-25

San Jose, California

YOUTH

While on vacation in Ontario, we looked for amethyst at two mines near Thunder Bay. The first mine was the Panorama Mine. People were allowed to collect in the dump site area. Pieces of massive amethyst were found here, but amethyst crystals were not. This mine was heavily publicized. However, they don't advertise that the last five miles of road leading to the mine are similar to those in the jeep commercials you see on TV.

The second mine was the Ontario Gem and Amethyst Mine. We had been told that some neat specimens have come from this mine. We found some amethyst and smoky quartz crystals. We also found some specimens of amethyst with salmon-colored barite. Other minerals that could be found at this mine included clear yellow flourite, galena, and sphalerite. I thought this mine to be more enjoyable and productive.

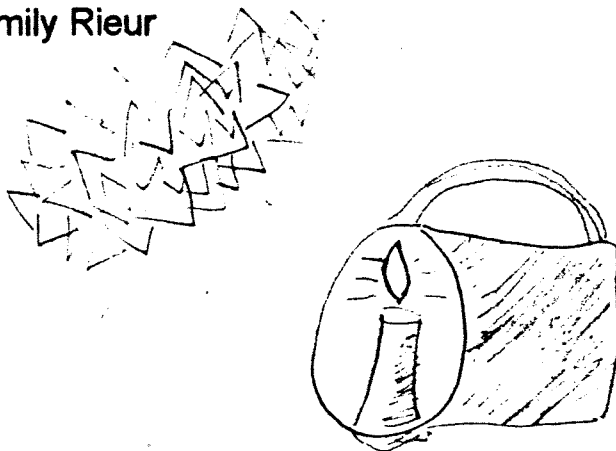
We only visited two mines, but there are seven mines where collecting is allowed. There are about 20 private mines in the area. It is a good idea to take rock tools. A geologist pick, hammer, chisel, and a shovel came in handy. However, the Panorama Mine did not allow hammering or use of your own tools.

Brett Jurgens

SUDAN MINE- The most fun rock thing I did this summer was visit this mine. Long ago they mined iron here. The best part was the 1/2 mile elevator ride deep in the ground. Then you could ride in rail cars and walk to see the big mine. It is in Minnesota. -Ren Rieur

JEWEL CAVE in the Black Hills is one of many interesting caves. If you ever go there I recommend that you choose the most primitive tour. In the cave there is no electric lighting. You must crawl and climb up and down ladders with only the candle you carry for light. After a while you forget that there is no flashlight and admire the calcite crystals. The guide gives you an extra candle because your candle might burn out. I only dropped my candle lantern once. The lanterns are made of old gallon cans with a hole punched in the side to stick the candle.-

Emily Rieur



THE PRESIDENT'S MESSAGE

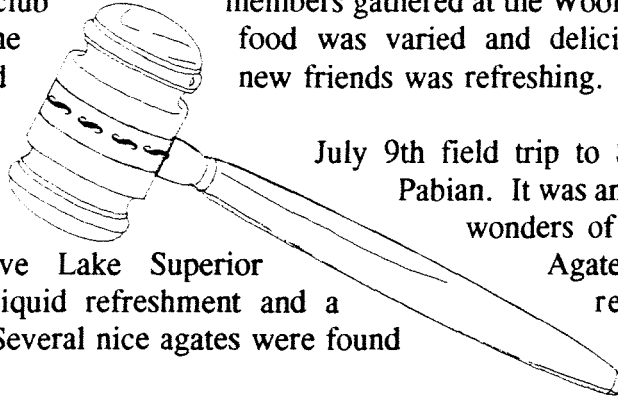
Fellow Club Members

It's time again for our fall monthly meetings to begin. The summer has passed too quickly for some of us and for others it was long - but it sure was hot for all of us. We had a number of summer activities this year.

In June club picnic and games. The comraderie with old and

members gathered at the Wooldridge cabin for a day of food was varied and delicious as always and the new friends was refreshing.

The was led by Roger learn about the geologic for the always elusive Lake Superior numerous breaks for liquid refreshment and a enjoyed in the shade. Several nice agates were found had by all.



July 9th field trip to South Eastern Nebraska Pabian. It was an excellent opportunity to wonders of that area and to search Agates. It was very hot, with relaxing picnic was and a good time was

On July 23rd club members hosted a "grinding party" at the Chet Ager Interpretive Center in Pioneer's Park. Display and demonstrations by members included virtually all aspects of our hobby. There were displays of gems, minerals, fossils, etc. with demonstrations of sphere making, cabochon cutting, faceting, medical bags, tumbling, clay art, gem trees, lapidary sculpture by hand, etc. I was proud to see the variety of presentations and cordial ;manner with which the club greeted the public who came to share our hobby. The party was well attended with over 186 people coming through. Following the grinding party club members held a picnic in one of the park shelters.

I look forward to seeing each of you at the September meeting.

Woody

Lloyd G. Tanner

Former member and long-time friend of Lincoln Gem and Mineral Club, Lloyd Tanner passed away in June, 1995. Lloyd is survived by his widow, Mary, a daughter, Susan, and son, Ryan. Burial was at Fort MacPherson National Cemetery near Maxwell, in Lincoln County.

Lloyd attended many of our club's meetings, exhibited at many of our shows, and presented many programs about his travels and experiences in paleontology. He was always helpful to his many hobbyist friends and he will be sorely missed by both the amateur and professional community.

Lincoln Gem and Mineral Club has established a research grant in Lloyd's name, to given to a graduate student in paleontology at the February, 1996 meeting.

Roger K. Pabian

CLUB NOTES

September's Program

Our program for the September 23rd meeting will be presented by Mr. Brad Cross of Austin, Texas. Brad had collected the agates of northern Mexico for many years and has spent much time in this country studying the agates, geology, culture, and cuisine of that area, and his knowledge assures us of an outstanding presentation. We urge members of LG&MC as well as members of neighboring clubs to be sure to take in this presentation.

The Agates of Northern Mexico

Brad L. Cross
2106 Rick Whinery
Austin, Texas 78728

From Villa Ahumada, Chih., located about 83 miles south of El Paso, Texas, to Ojo Laguna, Chih., a distance of about 70 miles, is the most important agate producing area of Mexico. From this area come the famous Laguna, Coyamito, Apache, and Crazy Lace agates, to name only a few. Most of the agates occur within a 900 foot thick andesite of Tertiary age. Agate from this region was probably best described by John Sinkankas in Gemstones of North America: "After examining specimens of agate from many deposits in North and South America, as well as from Europe and other continents, the author cannot recall of any which excel in beauty as those found in this Mexican state."

Within this same general vicinity, one of the largest and most abundant occurrence of geodes in the world is found. The geodes occur as spherical cavity fillings in an intensely altered ash-flow tuff and contain over 18 different minerals. These quartz geodes are mined from a two square-mile area and have constituted a multi-million dollar business. The geodes from this locality are many times termed "coconuts" and are commonly found in collections throughout the world.

This presentation will provide an overview of the various agates and geodes found within the region as well as the geography and culture of the agate country.

Richard Becks

Richard Becks, Past-President of the Homestead Gem and Mineral Club at Beatrice passed away in May of 1995. Richard was a frequent visitor to shows, swaps, and other events sponsored by Lincoln Gem & Mineral Club and had many friends in ours and neighboring clubs. He was always of cheerful demeanor and his absence will be felt by many who knew him.

Roger K. Pabian

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Tues. May 2, 1995
Lyman Home

President called the Meeting to order. Minutes were read with motion for approval by Kaye J., 2nd by Ed R. Carried.

Treasurer's report was read with motion for approval by Ed R., 2nd by Vera L. Carried.

Treasurer suggested that we take \$3000. from Show profits plus \$2000. from Money Market account (total \$5000.) and get Certificate of Deposit for 9 mos. @ 7.18%. (Money Market balance @ \$2512. @ 3.15%) Motion to purchase CD as suggested by Jerry M., 2nd by Kaye J. Motion carried.

BILLS: Presented for approval with motion by Jerry M., 2nd by Pam K. Carried.

OLD BUSINESS: Quinn Memorial - Pam K. visited with Goldie Quinn and Chet Ager Nature regarding the possibility of a 'florescent display case' at Chet Ager. Monies from Memorial used to buy case & donation of materials. Roger P. suggested using long wave ultra violet tube. Possibly asking Marcia Hamilton to build case. Long Range - President called Long Range Planning Chairman for possible meeting. LRP Chairman will set up meeting date.

Meeting Rooms - Brentwood Estates - 1111 So. 70th St. (489-1112) has meeting rooms available. They are free. Room sizes; 10-15 people or 30 people. Available from 7-10 P.M. Free Coffee. Should call 30 days ahead. Available only from month to month - not on a regular basis. Activities Director - Janette or Kathy.

MWF Delegate - Need delegate for MWF Show/Convention in Detroit. Oct. 13-15.

Pick & Shovel - Call from Library requesting copy of P&S. Motion by Vera & 2nd by Pam to add Libraries to P&S Maining List.

New Business: Pam had letter from Aaron Hames requesting donation to attend National Science Olympiad. (5/18) in Ohio. Discussion. Motion by Pam, 2nd by Kaye that Juniors provide \$125. and General Membership provide \$125. to provide Aaron with grant to attend NSO.

Field Trips - Sun. May 21 - Juniors (and adults) - Blue River

Sat. June 24 - President's picnic at his acreage.

Sun. July 9 - To Pawnee & Richardson Counties- Roger leading.

Sat. July 22 - Grinding Party at Chet Ager followed by picnic at Pioneer Park

Sat. July 29 - Trip to Grotto of Redemption. More details later.

Membership - Motion for approval by Roger for membership of Tom Gates. 2nd Jerry.

Reinstatement of Adam Mueller, & Bill & Betty White; Motion by Jerry, 2nd by Roger. Both motions carried.

Jerry Moore will host Geology Day and be Swap Chairman for 1996.

Audif - Phyllis will call Jerry as soon as ready.

Board Meeting - August 28 at 7:00 P.M. at Lyman home.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - May 20, 1995 7:00 P.M.
at Antelope Park Shelter House

With Dessert Supper and Rock Bingo

President called the Meeting to order.

The Minutes and Treasurer's report were approved as printed.

Hospitality reported 20 members, 5 Juniors and 1 guest present.

Motion was made by Ralph Ulrich for approval of Club Budget. 2nd by Kevin S. Carried.

"Rockhound Of the Year" - President presented Dwight Miller with the 1994 Award, for his dedication & services to the Club.

Ben Darling reported on summer Field Trips.

Membership application received from Greg Brown.

Study Group. - Kevin S. reported that the group has begun working on the "Fossil Fish". Trying for groups each week, morning and afternoon. Mesozoic Gallery to open end of Sept & "Fish" will be on display. Kevin will have write-up in Sept Pick & Shovel.

Quinn Memorisl - Monies for case and lights; donations of florescing materials for case.

Aaron Hames awarded grant to attend National Science Olympiad. \$125. each donated by Juniors and General Membership.

6/24 Picnic @ Wooly's acreage - "Pot Luck"

7/22 Grinding Party @ Chet Ager Nature Center 1-4 P.M. followed by picnic @ Pioneer Park - Pot Luck.

Board Meeting 8/28 @ 7:00 P.M. @ Lyman home.

General Meeting 9/23 at Nebraska Center @ 7:30 P.M. Juniors meet @ 7:00 P.M.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

L G M C Treas. Report May 1-Aug.27, 1995
NBC Checking Balance 5/1/95 \$4928.03

Summer Receipts:

| | | |
|-------------------------------------|-------------|-------|
| 1994 P&S Advertising | 45.00 | |
| 1995 Membership Dues | 12.00 | |
| Addl. Interest on CD when rewritten | <u>5.55</u> | 62.55 |

Payments

| | | |
|------------------------------------|----------------|----------------|
| Print May P&S, labels, comp. paper | 40.94 | |
| LPS Foundation-Donation A.Hames | 125.00 | |
| LPS Foundation-Youth to A.Hames | 125.00 | |
| April Meeting Rent | 60.00 | |
| Rockhound of '94 Placque | 30.03 | |
| NBC Lock Box Rent 1 year | 23.00 | |
| Balance Security Storage Rent | 186.00 | |
| Purchase new Cert. Deposit | <u>3000.00</u> | |
| | | <u>3589.97</u> |

NBC Checking Balance 8/27/95 \$1400.61

1995 Study Group Project
Cretaceous Fish at the Nebraska State Museum

1993 some Boy Scouts noticed dark bones sticking out of a block of Niobrara Chalk at a Boy Scout Camp near Gavins Point Dam at Lewis & Clark Lake. Fortunately, the director of the Scout Camp was a paleontologist, he helped them put a plaster jacket around the block and they brought it back to Lincoln where it joined the State Museum Collections. The bones appear to be from a large Cretaceous age fish, possibly a *Xiphactinus* (sometimes called a "bulldog tarpon").

As the Study Group Coordinator I wanted to set up a project with the State Museum. Vertebrate Paleontology Curator Michael Voorhies suggested this for our study group project. The fish was stored in the museum's collections upstairs of the Reunion. On May 13 we had a training session with Dr. Voorhies on how to clean and prepare the specimen. Within a few weeks our operation was moved to the State Museum and public display.

Progress on the fish has gone well and seems to have generated a lot of interest in people watching us work at the museum. Those who have spent time cleaning and preparing the fish include: Ralph Ulrich, Charles "Woolly" Wooldridge, Claudia Davis, Pam Killion, Emily and Reneur Rieur, Ben and Charlotte Darling, Kevin and Kathrine Schwartzman (if anyone else worked on the fish please let me know so I can add you to the list).

If anyone else is interested in participating in this project, please let me know so we can put you on the schedule. Newcomers need to spend a little time working with someone who has experience on this project. Like all vertebrate fossils, this 85 million year old specimen is unique and irreplaceable. We want to do the best job possible. Also for those currently working on the fish during the mornings, please clean up and put everything away when you are done. The afternoon crew may not always come in to work every week. Thank you.

Study Group Coordinator
Kevin J. Schwartzman

July 23rd, 1995- Another quality event for Lincoln Gem. **Grinder Day** at Prairie Interpretive Center, Pioneer Park. Demonstrating members:

Faceting- Ralph Ulrich and Rosa Lee
Spheremaking --Jim Parks and Phyllis
Flat Lap -- Eddie Ridge
Cab Grinding --- Eddie Ridge
Tumbling -- Charles Wooldridge
Gemstone Carving -- Roger Pabian
Gem Trees -- Kevin Schwartzman
Clay Models -- Kathrine Schwartzman

After a good show with many visitors the above were joined by Brett, Janell and Kay Jurgens (with camera) and by Mrs. Wooldridge and Emerson for a good picnic in the park. Nice Day!
contributed by Jim Parks

* * * * *

The Fry Family have moved to North Platte, Ne. but we do not have a forwarding address.

Jim & Phyll Parks have closed Hurlbut Cycle and are really retired. Having no place to accommodate the club library they asked to be replaced as Librarian.

Our President was able to find a new home and Librarian for the Club. Roger Pabian has accepted the challenge and has a report on; Page 6 of this Pick & Shovel. Thanks Woolly and Roger for rescuing us at such short notice. Phyll

From the Library

In early August, the Lincoln Gem & Mineral Club was moved from the Hurlbut Cycle Shop to my basement at my new residence, 5301 "X" Street. I have been making an inventory of publications in the library and have been setting aside duplicate copies of less popular items. These will be taken to the stash. There are some excellent volumes in the LG&MC Library and some that are not available at either the Lincoln Public Library or in the University Library system.

My term as club librarian begins with a very positive happening. Through the generosity of Dwight and Dorothy Miller, the club has received some new volumes for its readership. Our sincere thanks go out to the Millers for their contribution. Titles of these new volumes are listed below:

Mood

- Anon., 1965. The Wyoming Rock Hunter's Guide. Cheyenne Mineral and Gem Society, Cheyenne, Wyoming, 29 p. Guide to 1965 Wyoming State Gem and Mineral Show.
- , 1991. Natural Gemstones. U.S. Department of the Interior, U.S. Geological Survey, 16 p.
- Bates, R. L., and J. A. Jackson, 1984. Dictionary of Geologic Terms. American Geological Institute, Washington, D. C., Anchor Books, Doubleday Cl., 571 p. Glossary of many terms.
- Blackstone, D. L., 1988. Traveler's Guide to the Geology of Wyoming. Geological Survey of Wyoming, Bulletin 67, 130 p.
- Cipriani, C., Burelli, A., 1986. Simon & Schuster's Guide to Gems and Precious Stones. tr. V. Palmer, ed. K. Lyman. Fireside Books, Simon & Schuster, New York, 384 p.
- Duda, R., and R. Lubos, 1986. Minerals of the World. Arch Cape Press, New York, 300 p.
- Glass, G. B., and D. L. Blackstone, Jr., 1990. Geology of Wyoming. Geological Survey of Wyoming, Information Pamphlet No. 2, 12 p.
- Hager, M. W., 1970. Fossils of Wyoming. Wyoming Geological Survey, Bulletin 54, 51 p.
- Hausel, W. D., 1983. Diamond-bearing kimberlite pipes in Wyoming and Colorado. Geological Survey of Wyoming, Information Circular, 8 p.
- , 1986. Minerals and Rocks of Wyoming. Geological Survey of Wyoming, Bulletin 66, 117 p.
- McPhee, J., 1980. Basin & Range. Noonday Press, New York, 214 p. A history of geologic exploration in the American West.
- , 1986. Rising from the Plains. Farrar Straus Girous, New York, 214 p. History of geologic studies in Wyoming.
- , 1992. Assembling California. Noonday Press, New York, 304 p. More history of geologic studies of the American West.
- Moody, R., 1986. Fossils. How to find and identify over 300 genera. MacMillan Field Guides. Collier Books, MacMillan Publishing Company, New York, 192 p. A very nice starter volume.
- Proctor, P. D., P. R. Peterson, and U. Kackstaetter, 1991. Mineral-Rock Handbook. Rapid-Easy Mineral-Rock Determination. MacMillan Publishing Co., New York, 256 p.
- Root, F., 1980. Wyoming Jade. Geological Survey of Wyoming, Information Circular, 8 p.

Members wishing to check out books or periodicals may contact me at 465-0144.

Roger K. Pabian

1995 ELECTED OFFICERS

| | | | |
|---------------------|-------------------------------------|-------------------|----------|
| President: | Charles Wooldridge, 836 S. 31st St. | Lincoln NE: 68510 | 475-9034 |
| 1st Vice President: | Pam Killion, 3425 'N' St. | Lincoln NE: 68510 | 477-1780 |
| 2nd Vice President: | Jerry Moore, 2305 So. 35th St. | Lincoln NE: 68506 | 489-4184 |
| 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: | Ed Ridge, 2507 A St. | Lincoln NE: 68502 | 477-1780 |
| Board Member: | Roger Pabian, 5301 X St. | Lincoln NE: 68504 | 465-0144 |
| Board Member: | Kay Jurgens, 14111 Guildford | Waverly NE: 68462 | 786-2756 |
| Board Member: | Shirley Rockel, 1134 West Avon Lane | Lincoln NE: 68505 | 464-3059 |

Nominating Committee

| | |
|-----------|------------------------------------|
| 3 year | Ben Darling Jim Parks |
| 2 Year: | Francis Belohlavy Ralph Ulrich |
| 1 Year: | Jim Marburger Kathy Schwartzman |
| Chairman: | Immediate Past President |

Long Range Planning & By-Laws Committee

| | |
|-----------|------------------------------------|
| 3 Year: | David Heffellbower Jim Parks |
| 2 Year: | Vera Lyman Roger Pabian |
| 1 Year: | Kevin Schwartzman Jim Marburger |
| Chairman: | Immediate Past President |

Standing Committees

| | | | |
|----------------------------|--|------------------|--------------------|
| Membership: | Shirley Rockel | Programs: | Open |
| Education: | Roger Pabian | MWF Liaison: | Vera Lyman |
| Field Trips: | Kevin Schwartzman | Scholarship: | Dwight Miller |
| Historian: | John & Lillie Lewis | Christmas Party: | Shirley Rockel |
| Hospitality: | Eddie "Lightning" Ridge | 1995 Show: | John Harrison |
| Study Coordinator: | Kevin Schwartzman | 1996 Show: | Roger K. Pabian |
| Housing/Property: | Jim Parks | 1995 Swap: | David Heffellbower |
| Youth Activities: | Pam Killion, Kay Jurgens | 1996 Swap: | Jerry Moore |
| Librarian: | Roger Pabian | | |
| Auditing Committee: | Jerry Moore, Francis Belohlavy, Mike Jurgens | | |
| Gem Palette Correspondent: | Vera M. Lyman | | |
| Geology Day Coordinator: | 2nd Vice President | | |

Your PICK & SHOVEL Staff

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



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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.

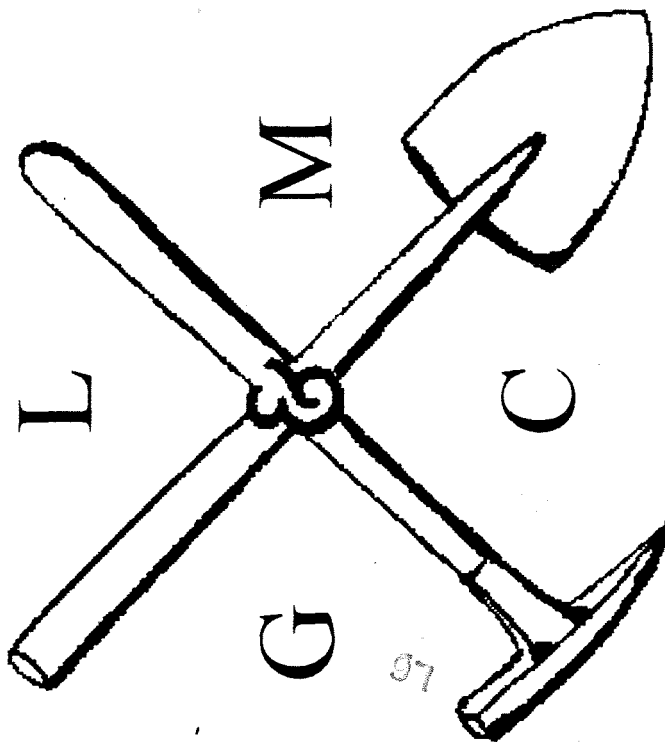
Dues to Lincoln Gem & Mineral Club are as follows:

| | | |
|-------------------|---|--------------|
| 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

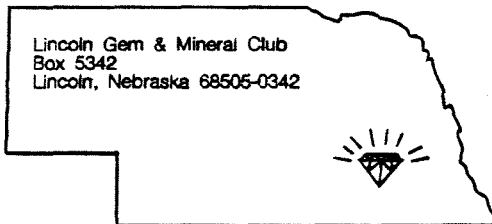
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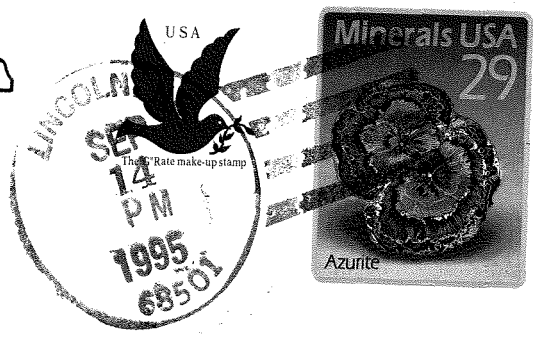
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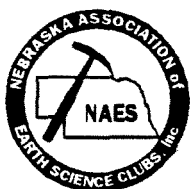
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