

CALENDAR OF EVENTS

No Regular Meeting: March 26, we'll be meeting from 9:00 A.M. until Nearly 9 P.M. at the Show set-up site, Pershing Auditorium as we cover tables, set up cases and make ourselves as useful as possible without getting in the way.

March 27 and 28-35th Annual Show-A **CELEBRATION IN GEMS**

April 24, regular meeting Scottsbluff Room, Nebraska Center

May 22, Picnic meeting Antelope Park Shelter

1993 SHOW AND SWAP SCHEDULE

Greater Kansas City Show; Kansas City Market Center	March 19-21
Lincoln Gem and Mineral Club; Pershing Auditorium	March 27-28
Northeast Gem & Mineral Club, Norfolk	May 8- 9
Grand Island Earth Science Club; Swap	June 5- 6
Homestead Gem & Mineral Club, Beatrice; Swap	June 19-20
STATE ROCK SWAP; Stanton Co. Fairgrounds, Stanton	July 24-25
Ft. Kearney Gem & Mineral Club; Swap	Sept. 6- 7
Omaha Gem & Mineral Club; Show	Oct. 2- 3
Grand Island Earth Science Club; Show	Oct. 16-17
STATE SHOW; Ft. Kearney Gem & Mineral club	Nov. 6- 7

Regional Show Schedule 1993

So. Central Fed. June 17-19, Arlington, Texas

California Fed. June 25-27, Ventura, California

Northwest Fed. July 23-25, Mt. Vernon, Washington

Eastern Fed. July 30, 31, Aug. 1, Hampton, Virginia a

Midwest Fed.-Field Trip Conv. Aug. 8-15, Houghton, Mich.

AFMS-Rocky Mt. Fed. Sept. 16-19, Denver, Colorado

LGMC MEMBERSHIP STATUS:

As of February 1, 1993 we had a total of 71 paid adult members, our 4 Life Members, and 12 youth members. We have not yet received our '93 Membership Cards from the Midwest Federation and NAOESCI but hope to have them for you by Show Time. Vera has prepared our new Who's Who and will have them for you at the Show if you have not previously received one. Be sure to pick your copy up. You may add these names as we welcome back member Edward Pedersen, now of 11582 Ash Circle, Thornton, CO 80233-2657, and new member Jon Eggen, 1928 A St, Apt #2. 68502.

Membership Cards have been received and are being prepared so be sure to see Phyllis or Shirley at the Show to get yours.

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS
Feb. 1, 1993 7:00 P.M. Bennett Martin Library Conf. Rm.

President called the meeting to order. Motions for approval of the minutes & treasurer's report for Jan. Motions carried.

BILLS: Presented for payment and approval; including the \$ 20. for Corporation fees paid to Sec. of State. Motion for approval by Francis Belohlavy, 2nd by Kevin Schwartman Motion carried.

Motion by Vera Lyman, 2nd by Billie Heffelbower to pay the \$ 252.00 (3 Yr) for Officers Performance Bond. Carried.

National Bank of Commerce now has a combined statement of all accounts. Motion of approval to grant Treasurer permission to request this from Bank.

NOMINATING COMMITTEE: Last active preceeding President shall serve as Chairperson of Long Range Planning & By-Law Committee and also Nominating Committee. A 3-yr and 1-yr vacancy on Long-Range Committee need to be filled.

SHOW: Kevin Schwartman is waiting for further word from Smithsonian regarding special display.

MEETINGS: Board of Directors = 3/1 and 4/4 at Bennett Martin Library Conf. Rm. at 7:00 P.M.

General Meetings: April 24 - NCCE - Scottsbluff Rm
May 22 - Antelope Park Shelter House

No further business. Meeting adjourned.

Respectfully submitted,

Vera Lyman
Vera Lyman, Secretary

LGMC Treasurers Report for February 1993

NBC Checking 1/31/93 \$1342.05

Receipts-

1993 Membership Dues	122.00	
Accounts Receivable-Pick/Shovel adv	<u>80.00</u>	202.00

Payments

Suspense Gem Palette Subs to NAOESCI	30.00	
Aastro's for Swap Fliers	7.92	
Nebr.Center Jan Swap & Meeting	196.60	
Officer's Performance Bond-3 years	252.00	
Club Liability Policy & Show ins.	250.00	
February P & S Printing	16.40	
Susp.Forward Ne.Geo.Cent.Funds	126.75	
Plaque '92 Rockhound Year Award	26.63	
Show Expenses & Adv.	<u>251.54</u>	1157.84
NBC Checking Balance 2/28/93		<u>386.21</u>

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING
Feb. 28, 1993 7:30 P.M. NCCE - Norfolk Rm.

Meeting called to order by President Heffelbower. Minutes and Treasurer's report for Jan were approved as printed in Pick & Shovel.

Hospitality reported 26 Adults, 5 Juniors and 6 guests present.

OLD BUSINESS: Charles Wooldridge (previous recipient) presented the 1992 "ROCKHOUND OF THE YEAR" award to Emily Rieur for her outstanding contributions to the hobby during the past year. What a surprised little girl! Congratulations, Emily.

President Heffelbower appointed Jim Parks to fill the one-year position on Long Range Planning vacated by Bob Wright.

NEW BUSINESS: Your WHO'S WHO are ready to be picked up.

COMMITTEE REPORTS: **SHOW:** Committee Meeting Thurs. @ 7:30 P.M. at the home of Francis Bleohlavy. 3015 Orchard. Sheets at front desk for sign-up for work details & displays on set-up day and Sunday closing of Show.

Tomorrow - Feb. 28 at Pioneer Park. "Geology Day"
Doors open to public at 1:00 P.M.

ANNOUNCEMENTS: Awards were presented to Roger Pabian for 25 Years of service; and to Francis Belohlavy for 20 years of service. Congratulations. Awards presented by UNL. Friends Of Museum: Re-dedication of Elephant Hall on 3/15. Members must have reservations in by 3/10. Kansas City Show 3/19,20,21. Great Show. Billie commented on excellence of the performance of ticket sales at our Shows compared to other shows.

SCHOLARSHIPS: Three recipients this year - Each introduced by Dr. Durrance.

MARY TOZER - Working on Masters - Gave excellent presentation on her study of "Klamath Mountains of California

EWA OSSOWSKA - She is from Poland - Gave excellent presentation of her study of vegetation changes in Holocene Period. (Palynology) Eastern Nebraska.

ZUL NAYAN- Was unable to be present, but Dr. Wayne gave short presentation of his studies of Stream Changes (Orientation and Stream Piracy) Eastern NE.
Meeting adjourned.

Respectfully submitted,

Vera Lyman
Vera Lyman, Secretary

PRESIDENTS MESSAGE

The day is rapidly approaching! Get your displays ready because the 26th of March is almost here. This year is going to be even more fun than usual, because we have some really exciting things to see this year. Along with the old friends we look forward to seeing again we have the premier showing (in the whole world) of the Smithsonian exhibit of "Gemstones of North America". This is worth the price of the admission, which for those of you who help us set-up and tear-down is free, along with the coffee and doughnuts. You can't beat that with a stick! So please go through the attic, garage, kitchen, garden, shop, safety deposit box or wherever you keep those goodies no-one has ever seen, or the stuff we have seen before, and drag it down to the show so everyone can see it in your display. Remember we have problems with traffic in there so don't park in the basement and jam us up.

Geology days was a big success, although not as good as in years past; perhaps due to the weather. We had twenty club members there and we spent a lot of time talking to the public and chatting with our friends. We also garnered considerable interest in the club and gave applications to several potential members. Thanks, fellow club members; this is just what we need! Let's light a fire under several more at the show! You might ask Wooly how far a dish full of tumbled garnets will travel when the dish falls off the table. Some of those little boogers may still be going! And a good time was had by all!

I'll take this opportunity to thank the show committee for all the planning and hard work which will bring us success at the show. The set-up time on Friday is 9:00 AM at Pershing or 8:00 AM if you go out to the stash to help us load. Last year we were about finished by 10:30 and our first dealer was setting-up by 10:45. No-one worked too hard at that. If you can get this worked into your schedule, please come and enjoy the day with us.

If you want to take a trip to Kansas City, the place to visit is the Greater Kansas City Show on March 19-21. It is well worth the effort and the drive with a range of activities and exhibits which we cannot offer in one show. This show makes a nice trip for spring when we are yearning to get out of the house.

David Heffelbower

INTEREST FINDER RESULTS

INTEREST	% INTERESTED	INTEREST	% INTERESTED
Paleontology	77	Minerology	62
Lapidary	69	Faceting	46
Carving	50	Jewelry & Metalcraft	46
Archaeology	46	Gen. Collecting	77
Craft Shows	62	Gemology	15
Geology	15	Gem Shows	35
Field Trips	35%		

Thirty eight percent of the members responded to our survey, or 38%. Five of these indicated that they had a space available for meetings. We will be contacting those of you who responded (and others) to get some meetings set up and operating this spring.

January, 15th Annual Swap was another huge success under the chairmanship of Roger Pabian. Persons signing up for Swapper Tables were Billie & Dave Heffelbower, Roger Pabian, Bill & Betty White, The Jurgens Family, Charles Wooldridge, Mr. & Mrs. O.D. Spencer, Dwight & Dorothy Miller, Mike Smith, Ed Ridge, Jim Marburger, Georgianne Jones, and Cathy Knight. Assisting at the Registration & Information Table was Marie Wells & Phyllis. Issuing **SWAPPER BUCKS** was Jim Parks with a net to club of \$79.86. The Silent Auction tables very capably handled by Jerry Moore and Francis Belohlavy who managed to produce \$60.25 with much heated bidding in the afternoon session. That with a \$5.00 donation and \$61.50 during the evening meeting made a total of \$126.75 which has been forwarded to The UN Foundation for the benefit of the Nebraska Geological Survey Centennial Fund. Numerous other members visited and took advantage of the Swapper Bucks for a very good Swap.

After a short business meeting more coffee was served with the delightful Anniversary Cake brought by Vera Luman.

GEOLOGY DAY 1993-

Another successful presentation at Pioneers Prairie Interpretive Center in Pioneer Park on February 28th from 1 to 4 P.M. with Francis Belohlavy as Coordinator.

Displays of rocks, minerals, fossils, books, a tumbler and a fine fluorescent viewing area were created by Charles & Emerson Wooldridge, Ed Ridge, Billie & David Heffelbower, Grant Quinn, Francis Belohlavy, new member Jon Eggen, Roger Pabian, Dwight & Dorothy Miller, Pam Killion, Rennan Rieur, Emily and Rennie, Jim & Phyllis Parks.

Among the 155 visitors to the center were new members Richard and Romona Rhodes and Mrs. Wooldridge. I feel that the hit of the day, especially with the younger attendees, was the **black light room** that Emily Rieur and her family assembled to show us the fascination of **fluorescence** as studied and presented by Emily at a recent Science Fair at Sheridan School.

The provisions for us at the Center were good and the center personell were most helpful and we hope they will ask us back. P. Parks

News of Members and Past Members -

From Florence Lueninghoener we learn that during 1992 she not only had cataract surgery and a new lens, and a trip to Prude Ranch in the Davis Mountains north of the Big Bend area in Texas, where she had courses in geology, astronomy, and cowboy lore--educational and fun-- as well as joining Midland College's in-depth study of the Platte River. She mentioned a most outstanding event as a trip with the International Planetarium Society on their archeo-astronomy tour of the Southwest to study sites where the Anasazi first began using astronomy to determine when to plant and when to harvest. 74 people from 18 countries involved. Florence mentioned being honored in the spring of '92 at the Nebraska Academy of Sciences with a beautiful plaque "For Lifetime Service to Science Education" and again in the fall at the annual meeting of the Nebraska Association of Teachers of Science with the first presentation of their special new medal. Congratulations on all of your honors.

A note from former member Claude Scott of Aurora who thinks of us often and wanted information of our show for his neighbors, with young son, who is a rockhound. We sent flyers and hope to see all of them March 27 or 28.

Finding New Collecting Areas
Part 2 -- Use of Libraries

Edward P. Pedersen

Many people feel uncomfortable, or lost, in libraries and hesitate to consider making use of these facilities. Any rockhound that plans on finding new collecting areas is well advised to start the search by locating all the libraries that are available in the area. These include public, university, college, club, and personal libraries. It is by first collecting information that a rockhound can increase the chances of collecting specimens. For most rockhounds the amount of time available for research far exceeds the time that can be spent on actual field trips. Keeping this in mind, it seems very reasonable to spend several hours in a library if it will increase the productivity of field trip.

One method of using references is to visit the public library and examine the books and journals until information on the area of interest is found. Working with the library's card catalog may lead to books on the subject of interest. Asking friends and other collectors to suggest references may provide leads. However, the chances of finding significant information about new collecting areas, using these methods are poor.

The best approach to locating the desired information in a library is the direct one. Go to the main desk and ask if the library contains back issues of rockhound publications such as Rocks and Minerals, Mineralogical Records, Lapidary Journal and Gems and Minerals. Also ask for geological reference materials and journals, topographic maps, county road maps, and U.S. government publications on geology and mining. This inquiry should result in directions to the desired material or to another desk located closer to the material. It is worthwhile checking the card catalog under as many related headings as you can think of, such as geology, gems, gemstones, mining, minerals, fossils, and so forth. If you are interested in a certain area or state don't forget to look for it in the card catalog. This may seem like a lot of work, however many libraries, especially smaller ones, contain a wide variety of books and references that may be filed in a number of places. A rockhound should have a better idea of the subjects related to his areas of interest than librarians.

Most libraries have areas where materials can be examined and notes taken without the necessity of checking the items out. Most of the time it is enough to scan through the books and publications looking for the few words or sentences that provide information about the areas of interest. Most libraries are equipped with copy machines which can reduce the note taking time.

The best approach, or at least a good approach, is to tackle the problem as research for historical references on a lost treasure or as a geological research problem. Use the largest library available to you, preferably a University, College, or major Public Library. A branch or small town library may not contain the needed information, unless the research is on local material or the library has special collections. Ask the librarian to direct you to the Geological Professional Journals or Bulletins. Also ask to use the Bibliography of North American Geology and find out if the library is a depository for Government Publications. If the librarian indicates that the items listed above are not available, ask if they can be found at other libraries in the area.

By this time a person not used to library research is ready to give up, especially after seeing the great mass of available material. Don't do it! Each hour spent sitting in the library may replace a day in the field spent searching for the locality. Finding technical material in a library is like learning a new neighborhood, once the strangeness wears off, many things are available.

The writer has had access to a company geology library that had been haphazardly assembled, in many district offices, over many years. Company employees had donated publications and even whole personal libraries. Such an accumulation of geological publications and journals can provide the source for many clues to new collecting localities. Of special interest are older state and government agency publications on economic geology or the general geology of a particular area. Many of these may be "Out of Print" or not easily available without a search.

The Bibliography of North American Geology is an example of an readily available information source. The Bibliography is divided into subjects and authors and each volume contains a list of geological and geological-related publications for one or more years. Use the subject index to locate the area of interest and then look up the papers listed. Most papers can be eliminated by the title. Papers on the general geology of the area should be checked for descriptions of mining, mineral occurrences, or economic deposits. Other titles might include the words: mineral deposits of ...; Lead-zinc in ...; and similar clues. Often times generalized statements about mining or minerals in a report may include references to other publications or papers which could provide the "pay-dirt".

It is usually not necessary to read more than a small part of each professional paper to get the desired information. The table of contents will usually indicate the pages of interest. For example, U. S. Geological Survey Bulletin 735-H, Peridotite Dikes in Scott County, Arkansas (1922), lists in the table of contents "Location and History", and "Economic features". These headings would contain the useful information. Read or skim the "Economic features" pages first. For the example give, "Economic features" means a description of the similarities to the diamond-bearing dikes in Pike Co., Arkansas. However, there is also a statement that a search for diamonds has been made in the dikes described. Who knows whether it would be worth looking again? If the researcher lives within a few miles, or a few hours travel, of the area described, it might provide an afternoon or weekend outing.

Descriptions of interest should be copied in detail with particular attention taken to maps, land co-ordinate designations, and lists of minerals present. If the locality looks good, it may be worth the price of making photo copies. Also check to see if other references are listed in the article.

A person interested in collecting specimens of a particular mineral or minerals from a specific area may find it worth spending time with some of the basic mineralogy reference books. Such books will generally list major occurrences of the mineral as well as listing the type of deposits in which it is found. This information provides a basis on which to start a line of research. Looking up the commonly known minerals of a major locality (such as Bisbee, Arizona or Franklin, N. J.) may provide basic literature references and the names of associated minerals. Lists of the mineral occurrences in a state, or county are particularly valuable. Even a knowledgeable collector will discover a considerable amount of new information in this manner.

Show 1993

The following is the list of people for the show, if your name is not on the list and you have volunteered or would like to volunteer please contact Francis Belohlavy. This list may be incomplete as I seem to have misplaced my list and had to do this from memory.

Advertising - Jim Marburger
 Special programs - John Harrison
 Displays - David Heffelbower
 Juniors - Parn, Killion
 Tickets/Security - Vera Lyman
 Dealers - Jerry Moore
 Treasurer/HELP - Phyllis Parks
 Rock Race - Ed Ridge
 Dinner - Shirley Rockel
 Special Displays - Kevin Schwartman
 Awards/certificates - Ralph Ulrich
 Gem dig/Competition cases - Charles Wooldrige
 Floor/displays - Ed Whyrick
 Demonstrators - Dan White
 Show Chairman - Francis Belohlavy

For your shopping pleasure we will feature:
 Everett Lapidary of Lincoln (& Mission Texas)
 Wisconsin Agate & Jewelry of Owen, Wisconsin
 West Side Agates of Ames, Iowa
 Schooler's Minerals of Blue Springs, Missouri
 Simon's Lapidary, Lincoln, Nebraska
 J.J.&L. Rocks & Minerals, Hickman, Nebraska
 Rusty's Rock Shop of Decatur, Illinois
 Teton Gems of Boise, Idaho
 Johnson Agate Co., Mankato, Minnesota
 Lentz Lapidary, Inc. of Mulvane, Kansas
 The Gem Shop of Cedarburg, Wisconsin
 Custom Gems of Omaha, Nebraska
 Peterson's Rocks & Gems of Oakland, Nebraska
 Wooly's Custom Lapidary of Lincoln, Nebraska

I have the following to report.

A special display Gemstones of America from the Smithsonian will be a premier showing of the new display. Slides have arrived for advertising and I understand it is an impressive display.

If you would like demonstrator space you NEED to contact Dan White as soon as possible to insure a spot.

Rock race needs material to bag up. Contact Ed Ridge.

Saturday night menu is : Chicken, Barbecue beef, au gratin potatoes, tossed salad, mixed vegetables, Rolls & butter, coffee or tea and cake. Please make reservations with Shirley Rockel as soon as possible. Cost will be \$9.00/person.

We will need lots of help for set-up and take-down. Trailers will be loaded about 8:00 AM Friday at the stash. Call Francis or Phyllis for directions. Tables will need covering at Pershing starting about 9:00 AM. We would like to get the dealers ready and in as soon as possible. Displays will not be set up until after dealers are in place and tables can be moved into final position. This will most likely be after 12:00.

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 supply.
- 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.

1993 ELECTED OFFICERS

President: C. David Heffelbower, 1819 Washington St., Lincoln, NE 68502 475-4713
1st Vice President: Charles Wooldridge, 836 S. 31st St., Lincoln, NE 68510 475-9034
2nd Vice President: Francis Belohlavy, 3015 Orchard, Lincoln, NE 68503 477-4337
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: Pam Killion, 3425 N' St., Lincoln, NE 68510 477-1780
Board Member: Kevin Schwartzman, 5522 Shady Tree Ct., Lincoln, NE 68516 475-4713
Board Member: Billie Heffelbower, 1819 Washington St., Lincoln, NE 68502 474-9441
Board Member: Shirley Rockel, 1134 West Avon Lane, Lincoln, NE 68505 464-3059

Nominations Committee Long Range Planning & By-Laws Committee

3 Years: Jim Marburger	3 Years: Vera Lyman
Kathy Pavlish	Roger Pabian
2 Years: Dwight Miller	2 Years: Kevin Schwartzman, Chair
Janet Wright	Jim Marburger
1 Year: Gerald Moore	1 Year: Bob Wright
Don Phillips	Linda Parks-Lundgren

Chairman: Immediate Past President **Chairman:** Immediate Past President

STANDING COMMITTEES

Membership: Shirley Rockel	Programs: Charles Wooldridge
Education: Roger Pabian	MWF Liaison: Vera Lyman
Field Trips: Kevin Shwartman	Scholarship: Dwight Miller
Historian: John & Lillie Lewis	Christmas Party: Billie Heffelbower, Shirley Rockel
Hospitality: Eddie "Lightning" Ridge	1993 Show: Francis Belohlavy
Study Group Coordinator: Ralph Ulrich	1994 Show: Billie Heffelbower
Housing/Property: Jim Parks	1993 Swap: Roger Pabian
Junior Activities: Pam Killion	1994 Swap:
Librarian: Jim Parks	Rockhound of the Year: Emily Rieur
Gem Palette Correspondent: Pam Killion	
"Geology Day" Coordinator: 2nd Vice President	


AUDITING COMMITTEE, 1992-93

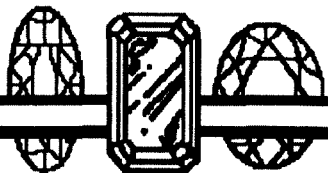
Charles Wooldridge
 Francis Belohlavy
 Shirley Rockel

Your PICK & SHOVEL Staff

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Coordinator: Phyllis Parks
Business Reporter: Vera Lyman
Circulation: Phyllis and Jim Parks

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Read your bulletin for new materials or specials from the above advertisers.

Advertizing by rock-hobbyist business or interest is permitted with the approval of the Board. The rate now set at \$15.00 per full page; \$7.50/ 1/2 page; \$5.00/ 1/3 page; and \$3.75/ 1/4 page(Min) per issue, paid in advance. These ads will be placed throughout the bulletin as space permits.

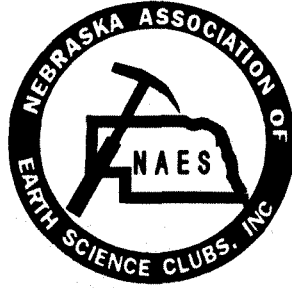
Subscriptions to the PICK & SHOVEL are \$10.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

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

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

Associated with:



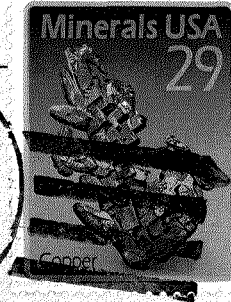
THE PICK & SHOVEL

March, 1993



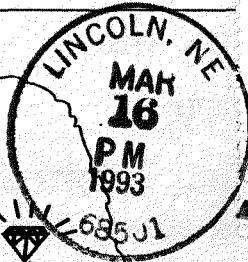
H. E. L. P.

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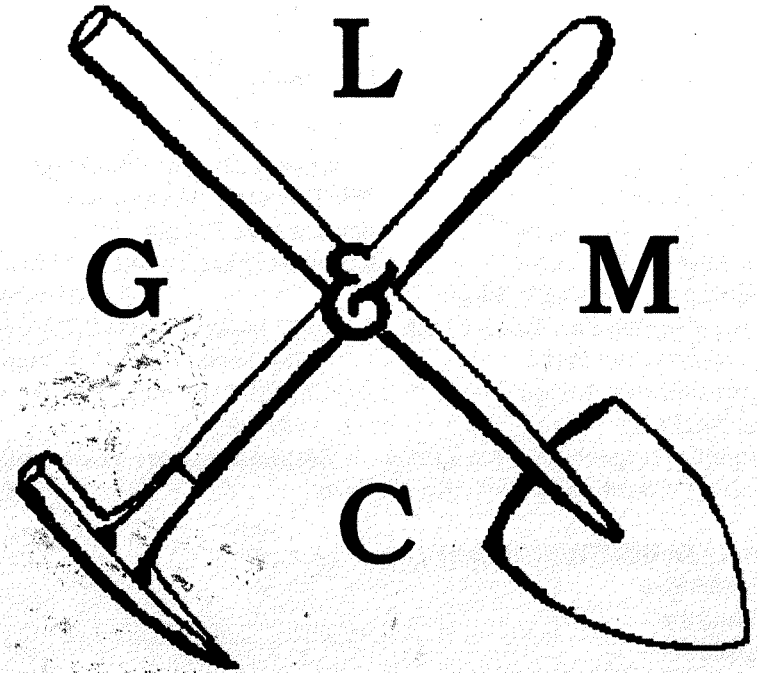


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Box 5342
Lincoln, Nebraska 68505-0342



Edward Ridge
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Lincoln, NE 68502



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