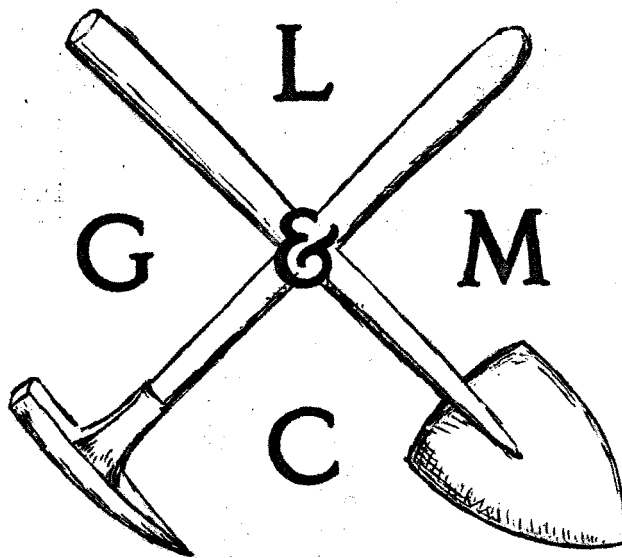


THE PICK & SHOVEL



APR - 1975

OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB
LINCOLN, NEBRASKA

LINCOLN GEM AND MINERAL CLUB, INC.
P. O. Box 5342, Lincoln, NE 68505

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.

MEMBER: Midwest Federation of Mineralogical and Geological Societies (MWF)
American Federation of Mineralogical Societies (AFMS)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Community Arts Council of Lincoln (CAC)
Nebraska Recreation League (NRL)

Regular Meetings: 4th Saturday of the month, September through May, 7:30 P.M.
1975 - Nebraska State Fairgrounds, Adm. Bldg., Lower level, west door

1975 ELECTED OFFICERS:

President.....	Frank Rule	6333 Kearney	Lincoln, 68507	466-1697
1st Vice Pres...	Larry Bigley	6126 Hartley	Lincoln, 68507	466-0211
2nd Vice Pres...	Don Carter	1101 Driftwood Dr.	Lincoln, 68510	489-3442
Rec. Secretary..	Nelda Oliver	5700 Otoe St.	Lincoln, 68506	489-5222
Treasurer.....	John Harrison	Hickman, Nebr.	68372	792-3825
Board Member....	Irl Everett	2941 No. 65th St.	Lincoln, 68507	466-6204
Board Member....	George McGinnis	3444 Somerset Ave.	Lincoln, 68504	466-4878
Board Member....	Howard Taylor	910 New Hampshire	Lincoln, 68508	432-3707
Board Member....	Glen Ulrich	4609 Bancroft	Lincoln, 68506	489-2538

STANDING COMMITTEE CHAIRMEN:

Liaison	Ruthy Coleman
Hospitality	Rosalie Wright
Refreshments	Marie J. Carveth and Marcella Hilton
Membership	Marita Bigley
Historian	Frances Tracy
Librarian	Joella Olson
Education and Program	Frank Rule
Housing & Property	Contact Frank Rule
Calling Committee	
Vice Gen. Dir.	Marie J. Carveth
NAOESCI reporter	Luella Paul
Scholarship	Julius and Myrtle Young
Publications	Art Howlett
1975 Show Committee	Glen & Flossie Litzenberg

PICK & SHOVEL STAFF:

Editor Evelyn Ulrich, 3521 So. 48th St., Lincoln, NE 68506
Phone 488-9051

Typist Rosalie Wright

Publisher Phyllis Parks

Reporters-Club Members

Contributions from members are welcome and needed. Deadline for material is the 5th of the month to be printed. Please send copy to the Editor.

Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate presently set at:

Full page (approx. 10 inches copy)	\$10.50 per insertion
Half page (" 5 " ")	5.25 " "
Third page (" 3 $\frac{1}{4}$ " ")	3.50 " "
Minimum size ad - $\frac{1}{4}$ page	at \$2.75 per insertion

Articles published in THE PICK & SHOVEL may be reprinted if credit is given the author and the bulletin, and a copy of the publication is sent to the Editor,

CALENDAR



REGULAR MEETING...Sat., April 26, 1975, State Fair Grounds
Lower level Administration Building
Enter west door.

PROGRAM.....Demonstration: How to set up a case for
display purposes.

REFRESHMENTS.....Refreshment Committee will serve.

BOARD OF DIRECTORS' MEETING: Home of Frank Rule 6333 Kearney,
May 1, 1975, 7:30 p.m.

Welcome New Members:

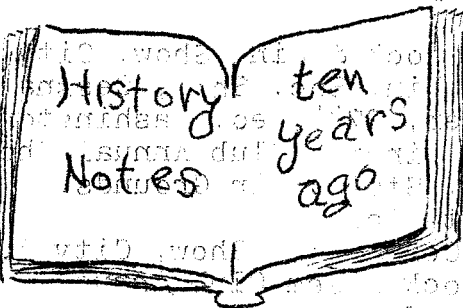
Deborah E. Langley, 2235 A Street, 68502 Telephone, 475-8140
Andrejs Zarins, 1245 South 11th St., 68502 Telephone, 475-5441

Directory Change: Frank Rule's telephone number: 466-1697

1975 Dates to Remember

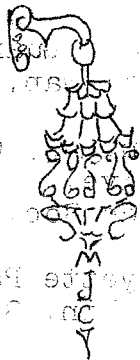
Apr. 18-20	Hastings, NE	Central Nebr. Rock & Min. Show, City Aud.
Apr. 25-27	Wichita, KS	Wichita Gem & Min. Soc. Show, Cessna Activity Center, 2744 Geo. Washington St.
May 10-11	Lincoln, NE	Lincoln Gem & Mineral Club Annual Show, New Ag. Bldg., State Fair Grounds.
May 17-18	Ellinwood, KS	Rock Swap, City Park
May 17-18	Hot Springs, SD	Picture City Gem & Min. Show, City Aud.
June 7- 8	Hebron, NE	Fort Butler Rock & Gem Club Annual Swap, City Camp Grounds.
June 7- 8	Buffalo, IA	All-Iowa Roundup. Hosts: Illowa Gem & Min. Society.
June 13-15	Gering, NE	NAOESCI State Show, National Guard Armory.
June 13-14	Beatrice, NE	Homestead Gem & Min. Club Swap, Chau- tauqua Park.
June 19-22	Denver, CO	AFMS-RIMS Show and Convention, Coliseum Complex, 1325 East 46th Ave.
June 28-29	Grand Island, NE	Grand Island Earth Science Soc. Swap, Fonner Park
Aug. 2- 3	Gothenberg, NE	NAOESCI State Swap, Lafayette Park.
Aug. 9-10	Mitchell, SD	South Dakota State Gem & Min. Show, City Park.
Aug. 16-17	Crawford, NE	Northwest Nebraska Show, City Park.
Aug. 30- Sep. 1	Omaha, NE	Nebraska Min. & Gem Club Show, Holiday Inn, 3321 So. 72nd St.
Sep. 13-14	Kearney, NE	Fort Kearney Rock Club, Open House, Holiday Inn.
Sep. 26-28	North Platte, NE	Platte Valley Rock & Min. Soc. Show, National Guard Armory.
Oct. 9-12	Detroit, MI	International 75, IWF and Central Canadian Fed. of Min. Soc. Show and Convention, 4400 E. Eight Mile Road, Detroit Light Guard Armory.
Oct. 12	Murdo, SD	Four-Club Show, Auditorium.
Oct. 18-19	Grand Island, NE	Grand Island Earth Science Show, Fonner Park.

LAST MONTH 60 members and 2 guests attended the March meeting of the LGMC held in the Administration Building at the State Fair Grounds. The usual order of business was transacted. An item of special importance was the vote of the membership to hold a mall Show this fall or winter. More will be heard about it later, as all efforts are presently being concentrated on the annual Show to be held the 10th and 11th of May. Roger Fabian has been appointed to serve as Publicity Chairman for the 75 Show. After the business meeting, a social hour was enjoyed by those present. The refreshments, as usual, were served from a beautifully decorated table, which was covered with a turquoise blue cloth of netting. A nest of lovely jeweled Easter eggs made by Marie Carveth, rested on a silver tray. Pink candles in sterling silver holders completed the attractive setting.



At our April 1965 meeting six new books were on display. These are new additions to our club library

Floyd Olson, auctioneer, kept the evening lively with an auction of specimens donated by members for the scholarship fund.



Card sent this month to:
 The Tom Newel Family--Sympathy
 and also an offering in memoriam,
 to be given to the charity of
 their choice.

The Beautiful in Life

Some utter it in poetry,
 Some grow it in the soil,
 Some build it in a steeple,
 Some express it through their toil--
 Some breathe it into music,
 Others into art,
 Some mold it into bread loves,
 Some have it in their heart--
 For each life has the power to make
 The beautiful show through,
 And you reveal the beautiful
 In life by being you.

Mary Dawson Hughes

THE PRESIDENT'S MESSAGE

It is time we all get ready for our 1975 Show which will be held at the State Fair Grounds.

After talking with our Show Chairmen, I find that not too many have let them know the number of cases they expect to be showing. It is important for them to know how many cases will be available so they can make their plans. Let's all get busy on our cases and open displays and make this an outstanding Show.

I should not have to remind you that the Lincoln Gem and Mineral Club has made a name for itself for putting on a fine Show. Let's all get busy and do it again. I know that we can! Plans are already in the making for a 1976 Bi-Centennial Show that will be outstanding. Let's make this an exceptional Show and 1976 even better. LET'S ALL GET BUSY!

Frank Rule

THE SCHOLARSHIP FUND REPORT

We are progressing well with the free-will offering method for the Scholarship Fund. Your generous contributions are appreciated.

Here is a plan to utilize any Betty Crocker coupons you may still have: Turn them in to me--I will order silverware with them. Then we can sell the silverware to obtain additional money for the Scholarship Fund.

We now have a firm address for the stamps collected. Please do bring stamps to the April 26th meeting. Refer to the October issue of Pick & Shovel, 1974, for a review of kinds of stamps desired. I will send our club's collection of stamps by May 1, 1975. Thank you!

--Myrtle Young, Chairman

WANTED

A DONATION OF SLABS - for the working shop at the 1975 Annual Show.

VOLUNTEERS to demonstrate cab cutting - If you can help for a 2 hour shift please notify Glen Ulrich at 488-9051.

Immediate response will be greatly appreciated.

WORLD'S FAIR OF GEMS & MINERALS

CFMS' World's Fair of Gems & Minerals hosted by Clark County Gem Collectors, Inc., in Las Vegas, Nevada on May 16-17-18, 1975, is planning to be the largest mineral show ever conducted.

The show will be held in the Convention Center in Las Vegas. Exhibits are being brought in from all over the world. Admission is \$1.50 per adult.

From the Editor's Desk...Again I'd like to urge you to read some of the many fine exchange bulletins which you will find on the display table in the meeting room. These bulletins are not entirely devoted to local Club news, but contain many very worthwhile articles too long to borrow for our own PICK & SHOVEL. The CONGLOMERATE always has a lot of articles I'm sure you would enjoy. A very informative article entitled, "Outline for Mineral Collecting in Manitoba" by William J. Emerson of Winnipeg is found in the March issue of THE PYRITER. Even if you don't expect to collect in Manitoba, it is interesting to know what you might find there. A fascinating article, "Oceanography--The New Frontier" by Jeanne Oliver can be found in THE GLACIAL DRIFTER--also an article on how to make triplets. THE ROCKPILE has a number of articles you would enjoy reading. One, "Finders Keepers" tells about the diamonds of Murfreesboro, Arkansas. Would you like to know more about the Brown Recluse spider which is starting to invade our area? Read about it in GEN CITY NEWS. An especially interesting article found in THE PERU YMCA ROCKS AND MINERAL CLUB NEWSLETTER is "Calcite and the Trilobite Eye." This is just a small sampling of articles to be found in our many exchange bulletins. Be sure to examine THE LOUP SCOOP, one of our newest bulletins. This is the bulletin of the Columbus, Nebraska, Club. Our Nebraska bulletins will be found in a separate bundle.

THE MYSTERIOUS CRYSTAL SKULL

The Americas have been the site for many important and scientifically interesting discoveries of early artifacts, but none have been quite as mysterious as the ancient skull unearthed in 1927 in British Honduras of Central America. This skull is unique in that it is carved from a solid chunk of clear, quartz crystal to the exact proportion of the human skull.

The skull was found by Anna Le Guillon Mitchell-Hedges, daughter of a famous explorer, F. A. Mitchell-Hedges, while exploring and excavating the newly discovered Mayan city of Lubaantun. The gemstone artifact was found buried beneath an altar in the ruins of an ancient temple. Months later, a jaw bone, also of quartz crystal, was found in the vicinity that perfectly matched the skull.

As scientists and archeologists are unable to pinpoint its exact age and history, many theories have accumulated as to its existence. Some even believe that the crystal skull may have originated in the fabled land of the Lost Atlantis. It has been estimated that the skull would have required at least 300 years of constant carving and polishing to have completed such a beautiful and perfect work of art with ancient man's techniques.

Having come to be known as the "Skull of Doom" this strange artifact is surrounded with mystery and has been reported to be the cause of super-natural phenomena. One man reported hearing sounds much like an a capella choir singing strange soft chants. At another time, the soft tinkle of silver bells was heard in the presence of the skull. On yet another occasion the crystal skull glowed with an aura that grew to an estimated diameter of 18 inches around the skull. Images have appeared in it--images of other skulls, mountains, human figures, temples.

Is it imagination on the part of people who want to believe in it, or is it truly a mystical object that at times reveals the past?

--Lon Scarbrough, from SPRING RIVER GEN & MINERAL CLUB NEWS

The book THE CRYSTAL SKULL is published by Doubleday and Co., Inc. Copyrighted in 1973 by Richard M. Garvin

BOARD MINUTES-----

The March meeting of the Lincoln Gem & Mineral Club was held at 6126 Hartley at 7:30 P.M., with Larry Bigley, acting as President.

Minutes of the February Meeting were read and approved as read. Also the minutes of the special board meeting on February 22, 1975, were approved as read.

Roll call was taken, with 6 board members present and 2 on vacation.

Florence Boring read report from the Feasibility of Raising the Dues Committee. After some discussion a motion by Howard Taylor this board recommend this report to the members, seconded by Irl Everett. Motion carried with one opposed.

Treasurers report given by John Harrison Jr., and stood approved as read.

Bills were read by treasurer. Motion by Irl Everett to pay the bills as read, seconded by Howard Taylor. Motion carried.

Minutes to be decided by Frank Rule, President, when he returns, if they are to be a month behind or month by month.

A discussion on the cost of refreshments. Recommendation by Irl Everett we table this discussion until Frank returns.

Mr. Klien was present and wanted to resubmit his ad for publication in the Pick & Shovel. After discussion a motion by Don Carter we accept Mr. Klien's ad for 1/3 page, seconded by John Harrison, Jr.. Motion carried.

Larry Bigley read the club policy to Mr. Klien, about commerical shows.

Mr. Charles Kitchen would like to place an ad to sell his rock hobby equipment and material. After discussion by the board, it was decided to put this information in the news column with his phone number.

John Harrison, Jr. checked with Mr. Eberhiem about our status with the IRS. After discussion on this John was directed to get his information together and when Frank returns they are to check with an attorney. In the meantime a motion by Don Carter to put a hold on the \$250.00 donated to the U of N until we find out if this is a must for our non-profit status and the IRS, seconded by John Harrison, Jr., Motion carried. Treasurer instructed to hold the check until we get an opinion.

1975 show-- need rocks for the rock pile. Ruthy Coleman is the Publicity Chairman. General meeting of the show committee March 20, 1975 at State Federal, 6120 Havelock Avenue. Homemade cakes to be served Saturday night after show closes. Donations of cakes by members is requested by the show committee.

A discussion about collecting 10% from special demonstrating features who sell. After discussion it was decided to proceed with the 10% policy.

Denver does not want the knock down cases. They are for sale for \$40.00 plus 3 1/2% sales tax.

A motion by Howard Taylor to instruct the Secretary of the Lincoln Gem & Mineral Club board to contact the Detroit International Show and the St. Louis Federation Show and see if they would like either one or ninety two cases at \$40.00 plus tax. Mr. Klien thinks he would like five cases at \$40.00 no tax because of dealer liscense. Norfolk is interested in five cases at \$40.00 plus tax.

Motion by Howard Taylor to get glass for the library cases at the meeting hall, seconded Don Carter. Motion carried. Larry Bigley will take care of this.

Motion to adjourn Irl Everett.

Nelda Oliver, Secretary

ATTENTION - - CLUBMEMBERS ! ! !

Deadline for the May Pick & Shovel, 1975 will be May 1st, and deadline for articles and regular features will be April 26th at the club meeting.

Also the board has agreed to a deadline of the first of the month for all succeeding bulletins.

Thank you for your cooperation.

Meeting of the Committee to Consider the Feasibility of Raising Dues

The committee to consider the feasibility of raising the dues of the Lincoln Gem and Mineral Club met Dec. 3, 1974, with the following members present: Ralph Ulrich, Howard Taylor, Myrtle and J.D. Young, and Florence Boring. Members absent were John Harrison and John and Lillie Lewis.

Numerous bulletins of other clubs were checked for publication of their dues, with the following tabulation resulting:

	Family or Couple	Singles	Juniors
	\$6.50 1	\$4.50 1	\$2.00 4
	5.00 8	4.00 2	1.00 6
	4.00 2	3.00 6	0.50 1
	3.00 8	2.50 2	
	2.50 1	2.00 5	
	2.00 1		

4.00 per adult 2

3.00 per adult 1

A list of types of expenses which should be covered by club dues was made:

Rent (has been \$275 per year)

Dues to other organizations: Midwest, NAOESCI, Community Arts Council, etc.

State incorporation fee

Post office box rent

Net cost of Pick and Shovel (gross cost minus paid ads & subscriptions)

Social hour

"Vaya Con Dios"

Postage and supplies.

It was agreed by the committee that contributions should be made from interest on certificates of deposits and income from Rock Swaps and the like.

A list was made of the expenses, income, and deficit for the recent years:

1974 Expenses, \$1,406.12, Income 557.00 - Deficit \$849.12

1973 Expenses 750.62, Income 571.50 - Deficit 179.12

1972 Expenses 782.38, Income 500.00 - Deficit 282.38

1971 Expenses 698.03, Income 404.50 - deficit 293.53

1970 Expenses 943.81, Income 498.70 - deficit 445.11

The membership has been increasing; therefore the cost per capita for rental of hall and for publication of bulletins has decreased.

Number of members in 1970--117. Cost per person \$2.05

Number of members in 1973--190. Cost per member, \$1.45

Suggestions for raising dues:

Family membership: twice the individual membership plus \$1.00

Present family membership is \$7.00, adult 3.00, initiation 1.00 per family.

Suggested schedule of dues:

\$4.00 per adult, 8.00 per couple, 9.00 per family, 1.00 per junior

\$1.00 initiation fee per family

This would result in an increase in income of about \$190.00 per year.

Change of meeting place could reduce expenses by as much as \$50.00.

Possible uses of the money now used to cover deficits: - Supporting educational programs, such as those through the University of Nebr. Extension Division.

2. Possibility of two meetings per month. - a. Basics--field work, practical lapidary, etc.
b. More advanced educational opportunities. 3. Supporting legislation to open rock hunting areas, camping rights, camper parking, 4. Bringing in outside programs, etc.

This report was submitted to the Board of Director's Meeting Dec. 5, 1974, at which time the Board of Directors voted to take action at the March meeting, publish the action in the March Pick and Shovel, and present the action for a vote of the members at the regular April meeting.

1975 SHOW NEWS... Preparations are coming along and shaping up, for our 17th Annual Gem & Mineral Show, May 10 and 11 at the BIG Agricultural Hall at the State Fair Grounds. Many blue papers were filled out at our last LGMC meeting, but we will have them with us again at our April 26 meeting and hope many more will be filled out. We are happy with your response, but we want more, naturally. We don't wish to fall back on our National Show laurels of 1974. We want this to be just as successful a show, but of course it won't be as large. We do hope all members will participate in one way or another. This is your opportunity to help your Club to progress. Plan on making out a blue paper at this next meeting, if you haven't done so already.

Ray Waddle (Pappy) has volunteered to help you make up your signs or do lettering for your displays. Call him at 435-0031 for information.

Clyde Van Doren has volunteered his half-ton truck for hauling to the Show. His truck is 3 ft. 6 in. high with 4 ft. opening. Call 489-3127.

Gladys Jeurink has the advance tickets on hand now. They are \$2.00 each with a free ticket attached, which makes the admission charge \$1.00 per person. The admission charge at the door will be \$1.75 per person. Children under 12 years old, with an adult, will be admitted free. Plan to get as many advance tickets as your friends will need. Remember our policy is WORK, DISPLAY, or PAY. We hope all of you will work or display and then sell the advance tickets to your friends. Marie Wells is helping Gladys with the ticket sale. If you want tickets before the meeting, call Gladys at 488-3969 or Marie at 435-6758.

Special Features Chairperson, Pat Lawson, has many features already lined up and many more on the way.

Ruthy Coleman, our Publicity Chairperson, found it necessary to resign, and Roger Pabian has accepted the Chairmanship. We were very pleased with his acceptance of this Chairmanship.

Pat Lawson has printed many colorful posters which we will have at the April 26th meeting. If you know of any good display area for a poster, pick one up and get it displayed--or inform Roger about it.

We will have flyers at the April 26th meeting which we want interested people to have.

The response for volunteer cakes for our Social Hour Saturday night, May 10th at 9:00 p.m. has been very gratifying. If you have not offered a cake yet, let us know if you will. The kind you make is immaterial, a variety is desirable. The preference is a loaf cake in a 9x13 in. pan. Any cake left over will be sold and the money put into the treasury. Put your name on your pan to identify it. They may be put in the cupboards in the kitchenette upstairs anytime on Saturday. I would suggest you cover them with saran wrap or something similar. The Social Hour is to show our hospitality to the program, special features, and workshop people, and dealers. Club members and their guests are welcome.

Florence Boring, Program Chairperson, has the program plans completed. They will be found on another page of the Bulletin.

Howard Taylor, in charge of Dealers, has heard from and collected the money from many dealers and has more coming in.

Each Chairperson has been working, and now it is getting close to the time for members to do their part in making this 17th Annual 1975 Gem and Mineral Show a success.

--Show Chairperson and Spouse
Glen and Flossie Litzenberg

PROGRAM 1975 Annual Show, Prepared by Florence Boring, Chairperson

Saturday -- May 10, 1975

Lecture Room, Second Floor

12:45 PM Petrified Wood, Dr. John Davidson

The story most of us have believed about petrified wood is a fable. Find out how it actually happened and learn how petrified woods can be identified. (Repeated 2:00 PM Sunday)

2:00 PM Nebraska's Climate, Past, Present, and Future

Dr. C. Bertrand Schultz

Anyone who was annoyed by the long, cold winter will want to know the most recent information on what has been happening climate-wise and why.

3:00 PM To Nebraska, the Great American Desert, Love Notes from a Native Son

Prepared by Dr. James Buterbaugh

Slide presentation widely acclaimed as a beautiful reply to those who say that Nebraska hasn't much to offer.

4:00 PM Grotto of the Redemption, Fred Farrar

Frequently considered "The Eighth Wonder of the World," the Grotto at West Bend, Iowa, represents the largest collection of minerals in any one spot. (Repeated 11:00 AM Sunday)

5:00 PM Awards Presentation and Critique, Ralph L. Ulrich

Find out the winners in the various divisions and learn more about preparing competitive displays.

7:00 PM Big Bend Region and Woodward Ranch, Roger Pabian

Slide lecture on the area of West Texas' southernmost tip.

Sunday -- May 11, 1975

11:00 AM Grotto of the Redemption, Fred Farrar (See 4:00 PM Sat.)

1:00 PM Invertebrate Fossils of Nebraska, Roger Pabian

This slide lecture will give a good overview of the life in the warm seas that covered Nebraska millions of years ago.

2:00 PM Petrified Wood, Dr. John Davidson (See 12:45 PM Saturday)

3:00 PM Geology of the Antarctic, Dr. Samuel Treves

Would you believe coal and petrified tree ferns in the Antarctic? In his work there Dr. Treves has collected much evidence on the crustal movements of the earth.

4:00 PM The Earth from Space, Dr. Donald Edwards

Fascinating images from the Earth Resources Technology Satellite (ERTS) and from high-flying survey planes. Youngsters will be interested in the models of rockets used in the ERTS Program.

NELDA'S NEWS



The Kansas City show was held at the National Guard Armory, March 14-16. Show was very well attended and due to the capacity crowds it will be held at the 'Old Airport' next year in Kansas City, Kansas. 11 people from LGMC attended. They are Burton Barnes, Dr. Hal & Darline Janzen, Tom & Frank Rule, Irl & Lois Everett, Marie & Howard Taylor and Luella & Ewald Paul.

Art Howlett would like everyone to know the Star Paper was in error in printing he was going to spend his tax rebate money for a Rock Concert. The correct wording is 'He plans to attend the Rock Show in Denver.'

Howard Kenfield and Geneva Keith were married on March 8 and left for San Antonio for the Rock Show to bring back their pictures.

Florence Boring attended a convention 'National Congress of Aero Space Education' in New Orleans, April 2-6. 16 people from Nebraska were air-lifted by our own National Guard to the convention. It was hosted by National Association of Aero Space Education, Civil Air Patrol, Federal Aviation Agency, and other Aero Space interests.

Velma Bloyd is a true 'Rockhound', has been collecting her own kidney stones. Has been hospitalized, but is now home and doing fine. Her address: 2224 East Indinola Street, Phoenix, Arizona.

Being members of the Nebraska Recreation League, Inc., I hope some of LGMC members will take advantage of attending some of the functions of the League. Dr. Paulson is President, and sent the following information for our club.

Semi-Annual NRL membership meeting at Yogi Bear Jellystone Park, Greenwood Interchange and I-80. May 1, 2, 3, 4, 1975.

The semi-annual meeting of the NRL membership Spring meeting will be held as above. There will be displays of recreational vehicles and equipment. There will be one or two films Saturday evening as part of the NRL program. They are also asking for any input from the general membership for help in the directors and their decisions. Carnival by 'Mighty Thomas Shows'.

For this weekend there will be special rates for each unit. This amount will be \$2.00 per night. This will be the same for either complete hook-up or for dry-camping, which would be using the center facilities.

We will have a special block of pads for NRL members. PLEASE LET YOUR DIRECTOR KNOW IF YOU ARE PLANNING TO COME SO THAT WE HAVE SOME IDEA OF THE AMOUNT OF SPACE THAT NEEDS TO BE RESERVED FOR NRL MEMBERS.

CAMPER CLINICS are being held at the Auld Pavilion in Antelope Park for anyone interested in attending. They are quite interesting. Three more to go. The dates are April 16, 23 & 30, from 7 to 9 P.M.. Open to the public and free.

Art and Hazel Howlett are going to visit their son and daughter-in law in Ohio, they plan on tripping thru West Virginia and Kentucky and perhaps look for a rock or two. They plan on being back about May 1st.

Please note - Deadline for copy for the Pick & Shovel has been moved ahead to the first day of the month to be printed. Submit to Evelyn Ulrich as early as possible.

Havn't had a word from Glenna & George McGinnis yet on their trip to Hawaii. We expect a most interesting report when they return from their rambling.

I received a real nice letter from our friend Dan Mount from Harrisburg, Ne., inviting all the members of LGMC to attend a field trip with his club. The letter follows:

How are all you roclettes been doing since that trip two or three years ago that we were on?

Our club is going on a three day trip to Muddy Gap and Jeffery City, Wyoming, May 24, 25 & 26. Leaving Scottsbluff Saturday morning at 7 A.M. at the Jack & Jill parking lot on West 27th and Avenue I (eye), where we left when you were up here on that other trip.

So far there are 26 going from here with our campers.

Going after jade. I contacted Mr Lewis Vondrasek at Muddy Gap where he lives, and he has 8 different jade mines on his claims. Different colors, all the way from \$1.50 to \$7.00 a pound. He has a big D cat 6 that he digs it out for you. He charges \$10.00 a day each, for taking us out to the claims and he will guarantee you \$10.00 worth of jade for the day, and all other jade you find, you will have to give him half of it that is cut-able.

You can dig all the sweetwater agates you want 'free' just 7 miles off the road between Muddy Gap and Jeffery City. You can hunt fossils and wood.

He has 17 Jade claims that you can hunt on besides the 8 mines, and he knows his Jade from A to Z.

He will not give you a bum deal.

He said he has tons at his trailer in Muddy Gap, of Jade and Eden Valley limb casts wood and fossils that you can buy.

There are two camp courts at Jeffery City. One cabin \$12.00, and one \$8.00 cabin, or you can camp right out on the claims, and if just trailers, it is \$3.00 a night. Lots of open country to camp in free, at dry camp only one toilet.

It will be worth your trip for we will have a lot of fun. I am expecting more then just the 26 of us. And between Muddy Gap and Casper we are going to hunt different agates.

You sure can get your fill of sweetwater agates. Two persons can dig around 20 pounds in a hour and half. They are 8-12 to 15 inches under the sand in Sweetwater Creek.

I am wagon-master so you can let me know if you want to go and how many are going, for I am to let him know in 30 days in advance of the trip. Here's hoping to see some of you.

Going by the way of Gurnsey, Douglas and Casper, bring Shovels, bars, picks, overshoes, for it may be a little muddy if it should rain. Extra Clothes may come in handy.

If you do not have campers, it is only 45 miles in to Rawlins to the south of Muddy Gap, to some motels, on a good paved road.

If you don't want to join us at Scottsbluff, you stay right on one eighty to Rawlins and then north to Muddy Gap. We will be at Muddy Gap around one o'clock Saturday the 24th.

Note: Anyone wanting to go on this field trip can contact for reservations

Daniel Mount

Harrisburg, Nebraska 69345

or

Nelda Oliver--no later then the April meeting

I will be writing to Dan shortly after the meeting.

LETTER TO LINCOLN GEM & MINERAL CLUB MEMBERS:

As a still active member of Lincoln Gem & Mineral Club; still giving hours of my time each month in pursuing the particular interest which I have in our hobby; still remembering with great feeling the many wonderful shows, field trips, inspirational meetings where we talked and learned about the various aspects of our simple rock-hounding desires; I should like to put a few questions into the minds of my fellow hobbyist clubmembers.

First comes this question of feasibility - Webster defines it as the quality of being feasible. Feasible - Webster definition 'capable of being done or carried out, capable of being used or dealt with successfully'. As a member of a feasibility study committee I know that Lincoln Gem & Mineral Club is naturally capable of doing any thing that they attempt and that they are committed to do. My question - Do we really have an interest in further committments?

Do the tried and true members of Lincoln Gem & Mineral Club really want to take on more public type activities, more expensive planning sessions, more exhaustive public functions, more responsibilities which tend to erode away the time from our real enjoyment of our hobby? Are we all tired of our lovely, stimulating, fun type, annual show? Are we too big to plan and carry out a few summer field trips and/or picnics where togetherness counts? Many of us are thinking conserve, preserve, enjoy. How about you?

As you are all aware, our 1974 endeavor cost us \$3,680 invested in fixed assets (92 chipboard cases) which we do not seem to be making any headway in disposing of and which are valued at \$40.00 per each. Meanwhile they are costing us \$15.00 per month for storage.

Isn't it about time we all put our thinking caps on and plan ahead by letting our 1975 Board of Directors know just what we feel our club membership means to us and what we'd like to see them help us achieve?

Phyllis Parks, Publisher,
17 year member, past editor and
Past President



BLACKBIRD HILL - A NEBRASKA LANDMARK



Have you ever visited Blackbird Hill? You probably remember reading stories about Blackbird, the famous chief of the Omaha tribe who was one of the first Indian chiefs to trade with the white man. He was said to be the most wily, and the greatest rascal of all nations which lived on the Missouri. No one dared oppose him openly. Not only did his deeds in war give him such power, but also his neighbors as well as his own tribe feared him because of the poisons which he used to rid himself of those who displeased him.

It was Blackbird's request that he be buried on top of a high bluff which rose several hundred feet above the Missouri River with a view of thirty miles up and down the river. His request being honored, he was buried at the chosen site astride his horse. The dirt was piled over them, and a pole was set in the mound with all the scalps he had taken in battle hanging from it. All early writers mentioned the mound, and it became a famous Nebraska Landmark.

At the base of Blackbird Hill are sandstone cliffs from which great springs rush. Deeply cut pictures of wild animals and strange Indian signs can be seen on the walls of the cliff.

(Information for this article came from "History and Stories of Nebraska" by A. E. Sheldon. Copyright 1919, University Publishing Company of Lincoln, Nebraska

OFFICIAL STATE STONES

<u>State</u>	<u>Gem</u>	<u>Rock (or Stone)</u>	<u>Mineral</u>	<u>Fossil</u>
Alabama			Hematite	
Alaska		Jade	Gold	
Arkansas	Diamond	Bauxite	Quartz Crystal	
California	Benitoite	Serpentine	Gold	
Colorado	Aquamarine			
Florida	Moonstone			
Idaho	Star Garnet			
Illinois			Fluorite	
Indiana		Limestone		
Iowa		Geode		
Maine	Tourmaline	Red Garnet	Galena	
Maryland	Williamsite (Serpentine)			
Michigan	Chlorastrolite	Petroskey Stone (Hexagonaria Coral)		
Minnesota	Lake Superior Agate			
Missouri		Mozarkite	Galena	
Montana	Sapphire	Montana Agate		
Nebraska	Blue Agate	Prairie Agate		Mammoth
New Mexico	Turquoise			
New York	Garnet			
North Dakota		Teredo Fossil Wood		
Ohio	Flint			
Oklahoma		Barite Rose		
Oregon	Thunderegg			
Rhode Island		Cumberlandite	Bowenite	
South Carolina	Amethyst	Granite		
South Dakota	Fairburn Agate		Rose Quartz	
Texas	Blue Topaz	Palmwood (petrified)		
Utah	Topaz			
Vermont		Greenstone (Serpentine)	Talc	
Wisconsin		Red Granite	Galena	
Wyoming	Nephrite Jade			

In addition to the above, Arizona has a bola tie (with any stone) as their state symbol.

California is working on a state fossil, so will probably be the first state to have a state gem, rock, mineral and fossil.

Oregon is working on a rock, mineral and fossil.

GEMROCK via The Geode

HANDY HINTS

The color of agates may be altered by first soaking them in a chemical solution and then baking them in an oven. The heat should be gradually increased from low to high to prevent fracturing.

The deep colors of carnelian and sardonyx may be intensified by baking.

Apple green: Soak agate in a solution of nickel nitrate. Place in oven at low heat and gradually increase temperature to high.

Black: Soak agate in a sugar solution for a few weeks. Boil in sulphuric acid for several hours. The acid carbonizes the sugar which has been absorbed.

Red: Soak agate for several weeks in a strong solution of iron nitrate, and then give oven treatment.

Be sure to cool the heated agates gradually. Designate that the stones have been artificially altered.

The monument maker uses a weak solution of oxalic acid to acquire the glossy shine on the granite. It is used as a polishing aid. Dissolve a little oxalic acid in water and work into your felt buff or add to your polishing paste and try on agates. It works wonders. A piece of corduroy glued to soft rubber makes fine, inexpensive polishing material.

The Geode via Gem Cutters' News

Polishing Hint...One way to polish material which will undercut, such as sagenite, moss agate, plume, porous wood and wood with iron, you will find that you can get a better polish in the following way: First completely cover the slices with water in a flat pan with some detergent and shake of Comet, elevating the slice on a small object such as jar rings. You start the rocks in luke-warm water, gradually bringing to a slow boil; boil for 10 minutes, keeping the slices well covered with water at all times. Remove from heat, leave in pan until water reaches room temperature. Fast changes in temperature may fracture the slice.

Go through the fine sanding, clean well and spray with a coat or two of plastic. Let it dry. Fine sand again lightly, then polish. You will end up with a beautifully polished piece. The plastic fills in the porous spots, enabling you to polish the surface. This thin coat over the iron content in picture wood almost eliminates the iron streaks in the wood.

--All Rockhound Pow Wow Magazine via Magic Valley Gem News

Hydrochloric acid is good for testing lapis lazuli. A drop of it on the blue stone creates an odor of hydrogen sulphide. On the white areas it usually effervesces because the white is usually calcite. This test will distinguish lapis from sodalite and lazulite.

--From Gems and Minerals via The Geode

Gleanings from the AFMS April Newsletter

AFMS president, Mary Anderson, in an article entitled "What Are We Doing? What Are We Going To Do?" says, "The conventions and shows I have attended have been outstanding. Some have asked for a show contract form which all regionals could use for regional and an AFMS show. I will have a special committee on this soon, and you may be contacted for help."



She further states that she would like to see a manual published listing the duties and responsibilities of all officers. She believes that this would give each committee member a concrete outline of what is expected of him when he takes office.

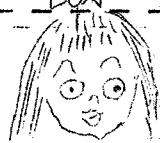
She feels that there is a need for better communication. She states, "Out there in this vast organization there must be hundreds of usable suggestions that would strengthen our societies and bring new and added interest to every group. The American is here to help each and every one of the individual societies. It is not the job of a few scattered committees--it is the load of every single member."

In an article entitled "More About State Stones" June Zeitner tells that in order to promote Michigan, and help defray the expenses of the Triennial Grand Chapter Session of the Order of Eastern Star to be held in Cleveland, the Michigan Grand Chapter is endeavoring to collect thousands of barc ues and cabochons of Petoskey Stone, Michigan's state stone to give and to sell. She comments that "This seems like a good way to popularize a state stone."

Mrs. Zeitner feels that projects which call for a request for free samples of state stones, gems, minerals and fossils are not feasible. She explains, "Two states have gold as a state mineral. One has diamonds. another emerald. Free samples of gold, diamonds, and emeralds just are not being given away." She suggests, as a better approach, for students to study about the gems, minerals, and rocks of the various states, where they are found, how they are used, and perhaps get pictures of good state mineral kingdom symbols from brochures, maps, and other promotional material.

From "The Washington Scene" by Kenneth Zahn... Public Law 93-153, which amended the Mineral Leasing Act of 1920, requires that Secretary of Interior make recommendations to the President and Congress, by July 1, 1975, for a national system of roads and corridors across public lands. Alaskans are primarily affected but the report is interesting to any person who explores the back ways for rocks and minerals. It is available from the Bureau of Land Management, State Director 555 Cordova Street, Anchorage, Alaska, 99501 or Interior Dept. Washington, D.C. 20240. The title will floor you--"Multimodal Transportation and Utility Corridor Systems in Alaska: A Preliminary Conceptual Analysis."

Wall Street Journal Carries Mineral Story... The mineral kingdom continues to get unprecedented exposure. In January there was a long article about the opals of Coober Pedy on the front page of the Wall Street Journal.



JUNIOR PAGE



Remarkable Cryolite: When the Norsemen first visited the west coast of Greenland, they found the Eskimos using pieces of heavy white stone to anchor their craft. When sunk in the water, this strange stone becomes invisible. Today we know the substance as mineral cryolite. Greenland is virtually the only source of supply. The name Cryolite means frost stone, and it has the same light-bending power or index of refraction as water. Therefore light goes through it and into water with almost no deviation in direction, so the material is nearly invisible when immersed.--From Minerals Metals, and Gems - via ROCK ROLLERS

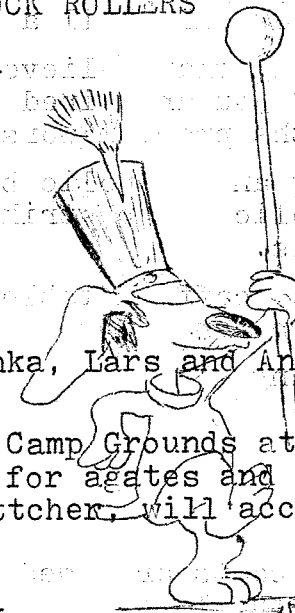
Petrified Pebble Pups News

1975 Officers elected are as follows:

- President-----Sandra Wright
- Vice President-----Mary Green
- Secretary-Treasurer----Linda Parks
- News Reported-----Ingrid Olson

Other members are: Brent and Brad Jones, Lee Pivonka, Lars and Andrew Olson, and Trent Cooper

On April 19 the Pebble Pups will visit the new 4-H Camp Grounds at Gretna. After touring the grounds, they will hunt for agates and fossils. Assistant County Extension Agent, Allen Boettcher, will accompany them.



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

Instructions--the hidden names listed below appear forward, backward, up, down, or diagonally in the puzzle. Find each hidden name and box it in as shown.

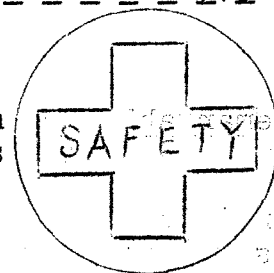
- Feldspars
- Granite
- Hornblende
- Jade
- Limestone
- Marble
- Mica
- Quartz
- Schist
- Serpentine
- Slate
- Talc

via THE ROCKETTE

A loser is: A woodpecker in a petrified forest.

STONE PAGES via THE ROCK BOX

SAFETY PAGE



Watch Out When Tired. All kinds of advice have been given on how to overcome fatigue at the wheel. Every driver has heard of the rules but the trouble is: Most of Them are Wrong!

Opening the window to get fresh air in your face may be dangerous. Nothing will soothe you to sleep like fresh night air blowing against your face.

Turning up your radio won't work if you are dog-tired. The added volume will not only lull a driver to sleep but may make him sleep more soundly.

Anything that relieves hunger will relieve the weary feeling it causes. But if you are tired because you are short of sleep, eating may only make the problem worse. Be especially careful a half hour after you eat.

Taking an alcoholic beverage is the worst thing a sleepy driver can do. Alcoholic sleep strikes instantly, without the usual advance-warning signals.

Coffee, caffeine tablets or amphetamines cause a strong reaction. The letdown can be sudden and cataclysmic.

Anything that stalls off sleepiness may cause it to come on in even greater force soon afterward. The only safe thing to do when sleepy is STOP AND SLEEP. Veteran drivers pull off the road for a short nap for about 20 minutes.

--via AFMS NEWSLETTER

Since boats are used by many for recreation, safety is very important. The Natural Resources Police, Tawes State Office Bldg., Annapolis, Maryland, 21401 offers a free home study course of problems of new boaters. The course is a 64-page information-filled booklet and a 126 question quiz. Read the book and mail the course. Those who do receive a safe boating decal and a card. Juniors also get a jacket decal. This is an excellent booklet and the course could save your life, whether you live in the East or West.

--via AFMS NEWSLETTER

1. Do not start on a field trip when you have trouble with your car.
2. Use your seat belts, they may prevent serious injury, even death.
3. Never have loose material higher than the back seat. A sudden stop may cause it to fly forward and inflict injury. Heavy objects should be placed on the floor of the luggage compartment.
4. Equip your car with a survival kit--food, water, first aid and clothing which will protect you from heat or cold.
5. Always carry a shovel, bucket, and an axe. They are required in most areas for fire protection, especially in National Forests. An axe is a very handy tool in many situations in wooded areas.

--via Miami Valley M&G Club, Ohio

Midwest Federation's NEWSLETTER

Published monthly except July and August as a service to members clubs.
All news, articles, subscription orders and requests for information concerning publication
should be sent to P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 154 - April 1975

MWF GEOLOGY COMMITTEE

PLANS CAMPING TRIP

Under the sponsorship of the Geology Committee of the Midwest Federation a two week geology-camping trip along the north shore of Lake Superior and through the Keweenaw country is being planned for July 26 through August 9, 1975. Wayne Henderson is chairman and Don Clark is assistant chairman of the event.

The camping trip will be limited to 50 adults who may bring their children if of suitable age. It is planned so that campers may go for either or both weeks. There will be a fee of \$5 per week per adult to cover costs of arranging the trip. Camping fees will vary with the park and with your camping unit.

Mail your request for a place on this tour to Don. H. Clarke, 1107 Maple Street, Essexville, Michigan 48732. State the week or weeks you wish to be included, the names of adults and children in your party, your vehicle and type of camping outfit, and enclose the necessary fees. Requests must be in to Don by June 1. You will receive an acknowledgment and any further information needed.

New MWF Appointments

Lapidary Chairman -
Mr. Elmer P. Schmidt
130 Bluff Street
Aurora, Illinois 60505

Public Image Chairman -
Mrs. Ruth Mogg
Route #1, Box 231
Grayslake, Illinois 60030

Special Committee to Reopen
Collecting Areas Chairman -
Mr. George W. Lyons
W. 151 N. 8631 Marshall Dr.
Menomonee Falls,
Wisconsin 53051

SPRING EXECUTIVE MEETING

Terry Huizing, Midwest President, announces the spring Executive Committee Meeting of the Midwest will be Saturday, April 26, beginning at 9:30 a.m. at Oakton Junior College, Morton Grove, Illinois. Complete information is being sent to all members by the Secretary.

DON'T BUY A GOLD BRICK!

by Frank Mayo, EFMS President

Buying gold is a very dubious thing and not a wise investment for the small buyer. Whether the investor buys gold bullion or coins, he will be taking risks because there is great danger of counterfeit 14 karat gold coins and bullion which are coming out of Beirut, Lebanon. There are phony gold bricks that have lead or tungsten cores. The best protection against getting stuck with a gold brick is to buy from a reputable dealer and note whether it has the stamp of a recognized refiner. But refiners' stamps can be faked also.

The simplest and quickest test for the purity of gold is to use the Archimedes or specific gravity test. Weigh the specimen of gold in air; then tie a cord around it and weigh it suspended in water. The difference between its weight in air and in water divided into its weight in air for pure gold is always 19.3 which is its specific gravity. This test is good for gold bars suspected of 14 karat gold or of bars with lead cores, but it is no good if the "gold brick" you are buying is a gold plated bar of tungsten because tungsten also has the same specific gravity as gold - 19.3 and costs only \$6 per pound. Only a hole drilled through the bar and it chemically analyzed will assure you of its purity. Gold is almost twice as heavy as an equal volume of lead or silver which have specific gravities of only 11.3 and 10.5.

The eager gold buyer should beware of the gold swindlers and their many schemes to separate him from his money. For as long as gold has been sold, there have been crooks with glittering get rich quick schemes to take in the unwary, the greedy and the gullible such as maps of lost gold mines and buried treasure, the old Mexican prisoner's treasure map stick, gold bricks and salted gold mines.

Despite the hazards of being bilked, the major risk that a gold buyer faces is simply that the purchase may be a lousy in-

vestment. It is just a wildly, risky thing and at current prices the risks are enormous.

Warning: Several thousand people lost their life savings recently in the collapse of "Western Pacific Gold and Silver Exchange Corp." This organization advertised heavily in conservative publications. They sold silver and gold coins on margin and stored silver for investors. Millions of dollars have been lost in their "Ponzi" like scheme. Original investors were paid from monies taken in from later investors. Finally, the scheme bust when too many demanded their money back. The Securities and Exchange Commission has filed fraud charges against Western Pacific and three other coin and silver dealers. If you wish to buy gold, here are some "Golden Rules":

1. If you must buy gold, wait until after the initial rush, when the price goes down.
2. Never buy on margin and never pay storage fees - demand delivery.
3. Your source of supply should be of unquestioned integrity - some institution you trust completely.
4. Be wary of unsolicited correspondence or calls from strangers offering to sell you gold.
5. Be skeptical of promises of spectacular profits, ask yourself, "Why am I being offered this golden opportunity?"
6. Be suspicious of claims of new secret or exotic processes or extract gold.
7. Resist pressures to make hurried, uninformed investment decisions.
8. Find out if the company is registered with the Securities and Exchange Commission or state securities agency.
9. Seek independent advice from a person you trust and who is knowledgeable.
10. Ascertain what cost, in addition to the quoted price of gold is involved. For example, a refining charge, assay fees, commissions, shipping and storage, insurance cost and sales tax.

Already there is much phony or low quality 14 karat gold waiting to be unloaded on an unsuspecting public. Until the economy settles down and you know which way things will go, it is wise to play it safe and put your money in an insured savings account or U.S. Bonds. *from Cobb-L-Stones*

WELCOME NEW MEMBERS

Blackford Geological Society joined February 28, 1975
Carl Boxell, President
513 West Elm Street
Hartford City, Indiana 47348

Richfield Mineral Club, Inc. joined March 6, 1975
Carl R. Erickson, President
6815 - 2nd Avenue South
Richfield, Minnesota 55423

ROCK SLIDES

Maurice Starkey, Danville, Illinois, has an unusual group of 2 x 2 inch slides. He has cut from various rocks slices 1/32nd inch thick and mounted them in Airequipt slide mounts. When projected, the light penetrates the thick rock slices and shows the various colors and formations on the screen. Maurice is a past president of the Double I Mineral Society.

AFMS CONVENTION - DENVER, COLORADO
JUNE 19-22, 1975

What does your club do?

Several of the rockhound societies across the midwest cooperate with their local 4H Clubs. Some gem and mineral society members attend 4H geology meetings as occasional instructors. Some clubs arrange for the 4H young people to have lectures by local college or high school teachers in their institutions. The Kenosha (Wisconsin) Gem and Mineral Society has helped in their County Fair judging of the 4H Geological Exhibits. Additionally, this club has awarded United States Government Savings Bonds to winning entries.

What does your club do for the general public? Let Assistant Miss Dorothy Gleiser know what you do in this regard. She will include it in her report to the MWF. Her address is 1066 Griffith Street, Lake Forest, Illinois 60045.

*from the Public Image and Courtesy Committee
Mrs. A. Mogg, Chairman, R. 1, Box 231
Grayslake, Illinois 60030*

SAUCER OF GOLD!

A huge saucer of gold 150 miles across lies buried under the soil of South Africa, Rand Reef, and it produces more gold than any other place on earth. It has been mined since 1889. Modern mining goes into the reef two miles. Tunnels spread under the city of Johannesburg, now one of the biggest cities in Africa. Almost 300,000 miners work the tunnels where temperatures may reach 100 degrees. For every button of gold processed, 5 tons of ore must be dug and treated. Recently scientists have discovered that valuable uranium can be extracted from the "mountains" of waste from gold refinings. *via Pick and Shovel*

MORE ON GOLD!

Possibly the largest and most unusual treasure hoard of all time lies in eastern Montana. Its location is no secret -- everyone knows where it is. But this treasure is impossible to recover for it is locked between the huge, 250-foot high concrete walls of the Fort Peck Dam.

Built in 1940 on the Missouri River, the structure is the world's largest earth-filled dam. In this type of construction, the interior of the dam is filled with earth instead of solid concrete. However, the builders unknowingly used valuable gold-bearing earth to fill the dam.

Used to control floods and generate electricity, the dam contains over 125,000,000 cubic yards of material. A chemical analysis determined that each cubic yard of earth used to build the dam contains about .0023 ounces of gold. Does that seem like a small amount? When you multiply it by the amount of material involved, the value soars. According to present prices, the dam contains over \$30,000,000 worth of gold.

This treasure might be extracted some day through sophisticated mining techniques if the dam ever becomes obsolete. But until then, the gold will remain inside what has been called "the first man-made gold mine." *via Pick and Shovel*

GRAND ISLAND EARTH SCIENCE SOCIETY, Inc
ANNUAL

ROCK SWAP

LET'S GET ACQUAINTED

LOCATION:

FONNER PARK

GRAND ISLAND, NEB.

GATE OPEN 3 P.M. JUNE 27

JUNE 28, 29, 1975

- CAMPING -

BRING YOUR OWN TABLE AND CHAIRS

ENTERTAINMENT

POTLUCK-SATURDAY

COMPLETE
HOOK-UPS

EVE

ADMISSION-MATERIAL FOR AUCTION

Everett Lapidary Shop

THE CAPITOL CITY'S FIRST ROCK SHOP

2941 North 65th

PHONE 466-6204



NEED ANYTHING FOR YOUR CASE?

WE HAVE IT !!

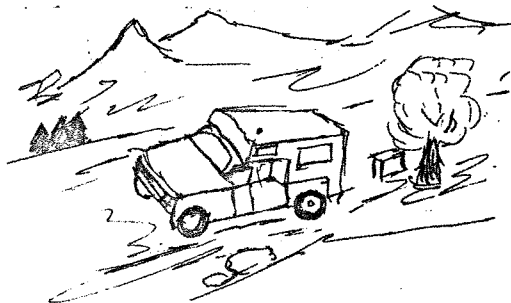


"SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT"

TELEPHONE
466-1697

TOM & LEFTY'S
ROCK SHOP

6333 KEARNEY STREET
LINCOLN, NEBR. 68507



LAST CHANCE ! Get your cases ready for the show.

We have plenty of material on hand.

The coffee pot is still on.



JEWELRY AND CUSTOM CUTTING

KLEIN

Phone 466-1337

Jewelry and Manufacturing

6009 Vine St., 68505

DIAMONDS AT WHOLESALE PRICES

All types Jewelry repairing and special made Jewelry and Rings

Wholesale & Retail

Turquoise Indian Jewelry

Repair & Sell & Buy Antique Watches - Buy & Sell Gold & Silver

PETER P. KLEIN - Master Jeweler

Lincoln Gem & Mineral Club
Box 5342
Lincoln, NE 68505



BULK RATE
U.S. POSTAGE
PAID
LINCOLN, NE
PERMIT NO. 709

Non-Profit File
3601 South St.
Lincoln, NE 68506

Exchange Editor: Evelyn Ulrich
3521 S. 48th St.
Lincoln, NE 68506

LINCOLN GEM & MINERAL CLUB - 17th ANNUAL SHOW - May 10-11, 1975
AGRICULTURAL HALL, Nebraska State Fair Grounds
LINCOLN, NEBRASKA

Show Chairman, Glen Litzenburg, P. O. Box 5342, Lincoln, NE 68505

