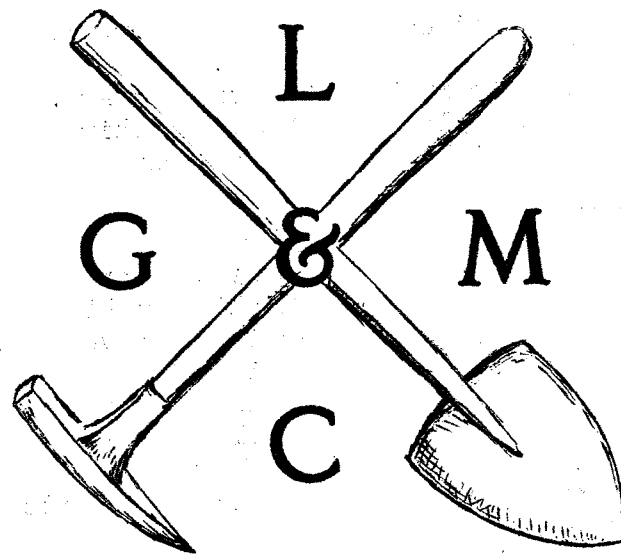


THE PICK & SHOVEL



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA

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	
Community Arts Council	
NAOESCI reporter	Luella Paul
Scholarship	Julius and Myrtle Young
Publications	Art Howlett
1975 Show Chairman	Glen Litzenburg

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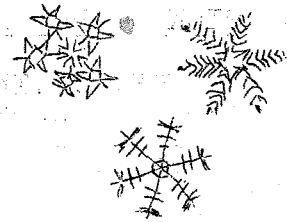
Contributions from members are welcome and needed. Deadline for material is the 5th of the month to be printed. Please send copy to the Editor.

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 1/4 " ")	3.50 " "
Minimum size ad - 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



Oh - the wonder of it all ---
 How snowflakes form and drop to earth
 And cling to every tiny twig,
 Each needle of the spruce and pine,
 Until all is soft- and white- and fresh----

REGULAR MEETING- -Sat. Febr. 22, 1975; 7:30 p.m.; State Fair Grounds.
 Lowel level Administration Bldg.--enter west door.

Program- - - - -Minerals. A film will be shown, and samples of
 minerals shown on the film will be on display.

Refreshments - - -Will be served by the Refreshment Committee.

Board of Directors' Meeting--Thursday, March 6, 7:30 p.m., Home of
 Larry Bigley - 6126 Hartley

 1975 DATES TO REMEMBER

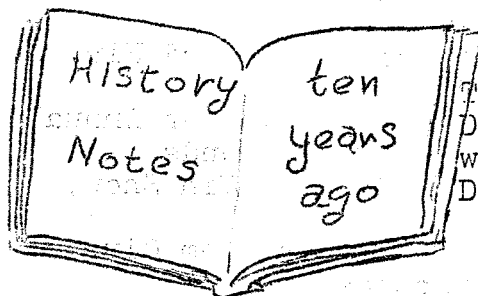
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|-----------------|------------------|---|
| Mar. 14-16 | Kansas City, KS | Greater Kansas City Gem and Mineral Clubs Show, National Guard Armory |
| Mar. 15-16 | Vermillion, SD | Coyote Rock and Lapidary Soc. Show, Student Union Bldg., Univ. of S.D. |
| Mar. 21-23 | Bridgeton, MO | St. Louis, Mo., Rock Hobby Club Show, Machinists' Union Auditorium, 12365 St. Charles St. |
| Apr. 5- 6 | Ogallala, NE | Prairie Rockhounds' Open House, Holiday Inn |
| Apr. 12-13 | Cedar Rapids, IA | Cedar Valley Rocks and Mineral Soc. Show, Hawkeye Downs |
| Apr. 18-20 | Hastings, NE | Central Nebraska Rock and Min. Show, City Auditorium |
| May 10-11 | Lincoln, NE | Lincoln Gem and Min. Club Annual Show, New Ag. Bldg., State Fair Grounds |
| May 17-18 | Hot Springs, SD | Picture City Gem and Min Show, City Auditorium |
| June 7- 8 | Hebron, NE | Fort Butler Rock and Gem Club Annual Swap, City Camp Grounds |
| June 13-15 | Gering, NE | NAOESCI State Show, National Guard Armory |
| June 19-20 | Denver, CO | AFMS-RMFS Show and Convention, Coliseum Complex, 1325 East 46th Ave. |
| Aug. 2-3 | Gothenberg, NE | NACESCI State Swap, Lafayette Park |
| Aug. 30-Sept. 1 | Omaha, NE | Nebraska Min. and Gem Club Show, Holiday Inn, 3321 So. 72nd St. |
| Sept. 26-28 | North Platte, NE | Platte Valley Rock and Min. Soc. Show, National Guard Armory |
| Oct. 9-12 | Detroit MI | International 75, MWF and Central Canadian Fed. of Min. Soc. Show and Convention, 4400 E. Eight Mile Road, Detroit Light Guard Armory |
| Oct. 18-19 | Grand Island, NE | Grand Island Earth Science Show, Fonner Park |

LAST MONTH. . .The January meeting of the LGMC was held in the new meeting place--the lower level of the Administration Building at the State Fair Grounds. There were 91 members and 8 guests present. The guest list included the following: Jodi Juricek, Mr. and Mrs. Arnold Piwonka, Mr. and Mrs. Donald Van Doren, Mrs. Tom Newell, and Mr. and Mrs. Ray Beamer from the Topeka Club.

A lot of business was taken care of. John Harrison, treasurer, handed out the Club's financial statement. With it was a report made by Ray Grabher, the National Show Budget Director. A report was given by Flossie Litzenberg on preparations being made for our 75 Show. Sounds as if it is going to be a great one. Items 2 and 3 of the Long Range Plan were approved by the membership. Item 4 was not accepted.

After the business meeting, we identified rocks. Our president, Frank Rule, had numbered and laid out 20 rocks to be identified. Each member was given a piece of paper to be numbered to correspond with the numbers found on the rocks. The papers were handed in for correction, reminding one of school days. Lois Everett won the prize, a beautiful thunder egg, for naming the most rocks correctly.

Since our Club's 20th birthday is in January, a beautiful birthday cake was served by our refreshment committee. Each individual serving was decorated with a blue rose and a gold leaf, our Club colors. The table was artistically adorned with ferns and candleabra holding lighted yellow tapers. With the blue and gold table cover, it made a lovely sight. Our Refreshment Committee, Marie Carveth and Marcella Hilton are to be commended on giving our Club such a nice birthday party. Recognition was given to Irl Everett and Frances Tracy, charter members of the Club.

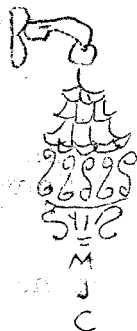


The February 1965 meeting was held at Robert's Dairy Party Room. The program for the evening was Cretaceous Rocks of Nebraska by Harold DeGraw.

--from the notebook of Historian, Frances Tracy.

"VAJA CON DIOS" - Cards were sent this month to:

- Ruth Krejci - Get Well
- Tom Newell - Get Well
- Mrs. Lona Simmons - Get Well
- Mrs. Simmons is the mother of Tom Simmons and Marjorie Heedick--Grandmother to Roger and Gary. She is loved by those of us who have the pleasure of knowing her. We've tasted her wonderful cooking--We've enjoyed her wisdom.
- Mrs. Mary Schowengerdt - Birthday
- Mrs. Schowengerdt is the mother of Frances Tracy. She lives in a nursing home at Firth, Nebraska. She has attended many of our rock shows. On February 20th she will be celebrating her 100th birthday.



MESSAGE FROM ACTING LGMC PRESIDENT - First Vice-President Larry Bigley

I sit here pondering a few minutes before the meeting of the board and wonder what the V.P. can say in the President's message. As most of you know Frank cannot be with us tonight and Mrs. Ulrich informed me day before yesterday that Frank did not leave a message before he left. It really came as a surprise to me as I'm in the middle of remodeling.

Our February program is a special one of many fine minerals from various private collections. This program was prepared by a member of one of Denver's clubs and they show it to schools and other interested groups. The case of minerals on display will follow the slide program theme and we shall attempt to answer any questions that you may have.

Through Melda, our Secretary, I have learned that Frank would like a roll call of officers at each Board and General Membership Meeting and as of tonight this policy will be implemented into the order of business immediately following the call to order. It will be added to the duties of the Secretary and he or she will call the roll. This procedure is called for under Article 2, Section 1, Paragraph 1 and Article 2, Section 2, Paragraph f.

"Poor Old Frank" just happens to have the misfortune (?) of happening to be in Arizona and Southern California rock hunting - while it's 5 above zero here tonite. Thanks a heck of a lot Frank.

We'll plan to have the next meeting of the Board of Directors at the Bigley household on the 6th day of March.

Larry E. Bigley

NOTES FROM QUARTZSITE, ARIZONA -

WARM, WONDERFUL COUNTRY

WHERE ROCKHOUNDS BY THE THOUSANDS

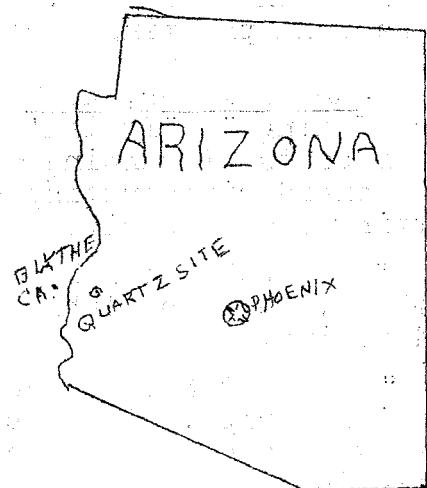
CATHER ON THE 40 ACRES OF BLM LAND SET ASIDE
WITH FREE PARKING FOR THE HUGE WINTER POW-WOW

Our LGMC President left on Sunday, January 26, just after our snowy, cold meeting night. He was at his destination on Tuesday where he found George and Glenna McGinnis and other friends already enjoying the sunny, rock-hunting weather.

He plans to participate in the many festivities and possibly make the acquaintance of lots of vacationing rockhounds. He will display some of his "IOWA" Geodes at the show and take a number of field trips, as well as doing a bit of prospecting on his own.

Frank will be back about March 13th, in time to go to the Greater Kansas City Annual Show on the 14th, 15th and 16th of March, where he will see (per their flyer) some Classic Mesican Specimens and Fascinating Minerals from Tsumeb, S. W. Africa shown by Julius and Miriam Zweirel, as well as the many other fine features prepared by the Kansas City Clubs for their 14th Annual Show.

In the meantime everything has been left to the capable hands of First Vice-President Larry Bigley and the rest of the Board.



EDITORIAL. . . The editorial this month reflects the thoughts of others concerning the importance of a good Club bulletin.

Barbara Goss, AFMS Publications Chairman, has this to say: "Back in 1967 Mary Wheeler wrote, "A good bulletin covering all activities and interests of our members will be sharing experience with other hobbyists, and act as a liaison between the local club and the Federation giving each more understanding of aims and purposes. By covering all the interests of our members our bulletin will play the vital role of closely knitting our membership as friends and hobbyists. We will be able to have sustaining contacts with inactive members drawing them back into the fold, and give the new members a feeling of being wanted and needed. In exchanging bulletins with our sister clubs, we will become more aware of our mutual objectives under the guidelines of our Federations. It will become a public relations instrument interpreting our aims and philosophy.

Paul Good, MWF Bulletin Editors' Chairman, says in his "from the editor's desk" in the Bulletin Editors' News"; "Recently I have noticed a lot of "talk" in the club bulletins about cutting the cost of publishing a bulletin. I guess it is about time for me to have "my say" about that. So many clubs are saying we can't afford to continue with the bulletin or cut it down. Let's not discontinue or cut down our bulletins. The club bulletin is "the string that holds the club together" or "the backbone of our club." When we cut the string or break the backbone, we're only asking for problems." Mr. Good discusses ways to cut the expense of printing a bulletin. Our bulletin already employs the guidelines he suggests with one exception--that is to print material on the back of flyers. He states "Blank pages are the biggest "waste" we have in printing our bulletins."

June Zeitner, AFMS Publications Chairman, says: "Keep the Good Word Coming." "It isn't news that postage costs are up. Nor all the other costs of running a club--But it is bad news when we hear some clubs are considering cutting costs by curtailing their bulletin exchange, cutting down the size of the bulletin, or eliminating it altogether.

"Club bulletins have become the main links between clubs and their members, between clubs from different states, and between clubs and Federations.

"We might have to cut down on some of our favorite activities, such as field trips, either because of changes in status or because of the energy crisis. But we can still disseminate education through our bulletins.

"A show is a true success only when it is advertised so that it attracts people who can appreciate it and learn from it. Likewise a club that is really successful will let its voice be heard. It will share its knowledge, its ideas, and talents. And in turn it will profit by receiving inspiration of being listened to by others, of participating in ventures on a larger scale. A club with a good bulletin spreads its influence across the nation, and thus, becomes a richer club."

A trophy is given by the AFMS for the best special publication. It can be a manual, a field guide, history or booklet. Such publications should be sent to Barbara Goss, AFMS Publications Chairman, Route 6, Box 320, Sonora, CA 95370. The publication should have been published subsequent to Jan. 1, 1974. The deadline for mailing is March 31, 1975.

The Lincoln Gem & Mineral Club Board meeting was held January 2, 1975 at State Federal in Havelock.

President, Frank Rule called the meeting to order, with board members Howard Taylor, Frank Rule, George McGinnis, Irl Everett, Glen Ulrich, John Harrison, Jr., Nelda Oliver, Don Carter and Larry Bigley.

Committee members: Ralph Ulrich, Evelyn Ulrich, Marita Bigley, Glen Litzenberg, and past committeemember Norma Niller.

Minutes of the December meeting were read and approved as read.

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

Bills were read by the treasurer. Motion by Howard Taylor to pay bills as read, seconded by George McGinnis. Motion carried. Included was bill for \$654.05 for sales tax from gate entry fee for the 1974 show.

Art Howlett, Margaret Simmons and Ewald Paul will be the auditing committee. Should receive books approx. January 10, 1975.

After discussion, motion by Nelda Oliver to pay fee of Ron Eberhiem, who is helping the treasurer close the books, seconded by Irl Everett. Fee approx. \$35.00 to \$50.00.

Ralph Ulrich stated the application for all American Award form was in need of pictures of the Braille table and any information and pictures members might have. These will be returned.

A discussion on mailing postcards to members of new meeting hall. Moved by Larry Bigley we mail postcards to members stating new meeting place of January 25, 1975 meeting, and mail enough to use balk mailing permit,, seconded by John Harrison, Jr..

Mail keys along with a letter to Mr. Price stating the club room is too small for our membership and thanking him for use of the W.O.W. Hall. To be taken care of by the secretary.

President, Frank Rule will not be here for February & March board meeting. Larry Bigley will preside as President. Howard Taylor to bring up feasibility of raising of the dues.

President read his committee appointments. Moved by Howard Taylor to accept the appointments, seconded by John Harrison, Jr.. Motion carried.

No report on 1975 show.

President read announcements. Elmer Priege would like the latest copy of history of the club. Has history only from 1955 thru 1969. Also would like October, November and December bulletins.

President, Frank Rule reported a whole case of material from Mississippi was left at the show. Roger Pabian has material. Evelyn Ulrich to check with Roger and then correspond with Mississippi.

No written contract on the meeting room at the fairgrounds, Fairboard will bill at the end of each month on the verbal contract. Room is lower level or dinning hall of administration building. Frank will get a key for Lincoln Gem & Mineral Club use.

Ralph Ulrich passed out information on Long Range Planning Committee, with what they think would be good use of club funds.

After reading and discussion a motion by Irl Everett this board accept items 2,3 and 4 with recommendation to membership at large. These will be published in P & S.

Motion to adiourn John Harriosn, Jr.

Nelda Oliver, Secretary

Special Board meeting called by the President, Frank Rule on Sunday January 19, 1975 1975. Board discussed postage of the bulletins. Community Arts Council should never have let anyone use their mailing permit. Our club does not qualify for educational because we do not teach classes, so our blak mailing permit would cost 6.1 per item. After discussion a motion by Howard Taylor to make applicati on for a balk mailing permit, our rate to be 6.1¢ each, seconded by Glen Ulrich. Motion carried. Secretary instructed not to mail postcards to members on new meeting hall.

Nelda Oliver, Secretary

WE ARE GETTING THE SHOW ON THE ROAD...The 17th Annual Gem and Mineral Show will be held on Saturday and Sunday, May 10th and 11th in the new Agricultural Hall at the State Fair Grounds at 17th and Court Streets. The building is larger than the Exposition Building where we have previously held our Shows. The main floor is cooled by two large fans, and two large rooms upstairs are air-conditioned.

Most of the chairpersons for the Show have been appointed. Some are new at their job, while others are veterans of many Shows.

Floor Manager for the Show will be Jim Marburger. He will need to know what space you will need for your display.

Howard Taylor is in charge of obtaining Dealers for the Show. He thinks we can handle 10 Retail and 2 Wholesale Dealers. His experience with our Shows, and his willingness to share those experiences, and to give us helpful advice has been a great help.

Mrs. Lois Terry is in charge of Publicity. Letters have been mailed to Gemac Corporation in Mentone, CA, The Lapidary Journal in San Diego, CA, and The Rockhound Magazine in Conroe, TX, requesting that our 1975 Gem and Mineral Show be advertised in their publications. 500 Fly have been printed; 2 copies have been sent to each NACESCI club. Frank Rule took many copies to distribute on his trip to Arizona.

Pat Lawson is our Special Features chairperson. She is experienced in that field, having held that job in 1973.

Glen Ulrich will be in charge of the Working Shop. This will be his fourth year serving in this capacity.

George McGinnis, a veteran in this field, will be in charge of the Swap.

Ralph Ulrich will be in charge of Competition.

Luella Paul has been appointed to look after Open Display. Open Displays are those not enclosed in a case, but related to the hobby.

The Recognition and Courtesy Committee will be chaired by Joella Olson.

Larry Bigley, in charge of the Rock Pile, will need as many good rocks as you can bring him.

Program chairperson is Florence Boring, who will give us good representation in that field.

Lynn Wells will be in charge of the Black Light Project.

Farel Hyland will be in charge of the Registration and Information Desks.

Phyllis Parks will do most of the printing.

Gladys Jeurink is in charge of ticket sales.

Tom Simmons has been appointed to take care of Security.

Be prepared to say "Yes" when called upon to serve on a committee.

--continued next page

1975 Show, continued--

We do not plan on having an Awards Banquet or Breakfast this year. We do plan on having a social hour with the workers, members, and Dealers after 9:00 closing Saturday night. This will be held in the program room upstairs. The awards will be presented in this same room on Sunday at 2:00 p.m.

There will be an advance ticket sale. Adult tickets will be priced at \$2.00. A free ticket will be attached to the \$2.00 ticket. Children under 12, accompanied by an adult, will be admitted free of charge. Children 12-16 will be charged \$1.00 for admission. Gate admission will be \$1.75, so plan ahead for the number of advance tickets you will want to buy, and save. Our policy will be you WORK, DISPLAY, or PAY. So there again, plan how you intend to help. We will have papers for you to fill out, so be thinking in what field you wish to participate.

Glen and I are new at this job and will appreciate any constructive criticism or suggestions you may give us. Feel free to call us any time. Our house is small, and so our committee meetings will be small but many. Two committee meetings have been held and more are planned. Much has been accomplished at the meetings. We have learned a lot and have enjoyed it. Members have been so willing to help.

--Show Chairperson and Spouse
Glen and Flossie Litzenberg

GOING TO EXHIBIT? BETTER TAKE ALONG A "TACK BOX."

1. Those extra light bulbs.
2. An extension cord and 2-way plug for each case.
3. One roll each of single and double-faced scotch tape. (Contrary labels can be secured in place with the double-faced tape, and it can also be used on the end of pencil or brush handle to retrieve those specks of dirt that otherwise evade you. Single-faced tape will have many uses also, you will find.)
4. Pins, common and/or T-pins for propping specimens, lapidary or jewelry pieces invisibly.
5. Thumb tacks, particularly if covered boards are used as case liners. Just be sure they cannot be seen after the case is closed.
6. A soft brush (or masking tape) for cleaning dust or extraneous material from the case after setting up.
7. Scissors - these speak for themselves.
8. A screwdriver and small hammer. The latter to encourage those thumbtacks that never want to stay; and the former just on general principles.
9. White cotton gloves for showing lapidary and jewelry, not fingerprints.
10. Those exhibiting jewelry, in addition to white gloves, include some silicone paper (eyeglass cleaners) or rouge cloth for that extra touchup.
11. Small pieces of styrofoam (a knife or saw to cut it) prove helpful for extra propping of your material, but don't let them be shown in your case.
12. A roll of paper towels, preferably lint-free, for the case glass.
13. A bottle or spray can of glass cleaner, and be sure to clean the inside of that glass, too.
14. If you're a pessimist, include extra labels and a specimen or two.
15. An apron with large pockets is a back-saver.

--Marge Mills - via AFMS Newsletter

NELDA'S NEWS



Our President, Frank Rule left for Quartzsite, Arizona on January 26, 1975. Frank will be gone till the middle of March. Happy hunting and we wish you lots of sunshine.

Nancy, daughter of Irl and Lois Everett was back over the holiday's. She is taking long range weather observing.

Tom Simmons talked to 22 farm ladies at Elmwood about rocks and how to identify rocks, they brought in. He said he begged off after 1 3/4 hours.

Editor, Evelyn Ulrich received a letter from Glenna McGinnis from Quartzsite, Ariz. Frank Rule arrived and the Luthi's are there also. They will be going to Alpine, Arizona for a 'Rock Rally'. They helped inspire and set this up last winter while in Arizona. Glenna says the weather is beautiful and Mac is selling and trading in the show area. They plan to return for their March 18, 1975 flight to Hawaii to visit their daughter.

Junior members David and Mary Green have been busy winning ribbons and medals in swimming meets. The latest being the "Fremont Winter Open" swim meet in which Mary won two medals in the girls 11-12 age group and David won four in the boys 8 and under age group. They are on the Lincoln Downtown YMCA Swim Team.

Bob, Nelda and Jim Oliver went 'Winter Camping' at a "Snowbunny" Campout in Topeka Kansas January 31, February 1 & 2. Had lots of fun and lots of good food.

Tom Simmons and Nelda Oliver attended a meeting of the Nebraska Recreation League, of which our club is a member and Dr. Paulson is the President. We will plan on a short report at the February 25, 1975 meeting. Tom Simmons is our delegate, for voting. This concerns everyone, but the campers should keep track of these meetings.

How about members calling me with their news or trips, Phone 489-5222, I'll be glad to report for you. It is easier for you to contact me than me calling all members.

 THE SCHOLARSHIP FUND

Last month, at our general meeting, we collected a free will offering for the Scholarship Fund.

Please be thinking of other means of fund raising you would like to have our club pursue to earn money.

We need to make our decision soon to insure our quota.

Remember to bring stamps too. How about at least two stamps from each member for the February meeting? - Larger amounts happily received.

Sincerely,

Myrtle Young
Scholarship Chairman

Submitted by Earl Messelhisier. . . .The following letter was received by a creditor from his debtor explaining why he was finding it difficult to pay his bills:

"Dear Sir:

In reply to your request for money, I wish to inform you that the present condition of my bank account makes it almost impossible to pay you. My shattered financial condition is due to federal laws, state laws, mothers-in-laws, sisters-in-laws and outlaws.

Through these laws I am compelled to pay a business tax, amusement tax, head tax, school tax, gas tax, and excise tax. Even my brain is taxed. I am required to get a business license, car license, truck license, liquor license, and a dog license.

I am also required to contribute to every society and organization which the genius of man is capable of bringing to life; to woman's relief, the unemployment relief, and gold digger's relief. Also to every hospital and charitable institution in the city, including the black cross, the pink cross, and the double cross.

For my own safety I am required to carry life insurance, property insurance, liability insurance, burglar insurance, tornado insurance, earthquake insurance, unemployment insurance, and old age insurance.

My household is so governed that it is no easy matter for me to find out who runs it. I am inspected, expected, suspected, disrespected, rejected, dejected, examined, re-examined, informed, required, summoned, fined, commanded and compelled until I provide an inexhaustible supply of money for every known need, desire, or hope of the human race.

Simply because I refuse to donate to something or other, I am boycotted, talked about, lied about, held up or held down, and robbed until I'm almost ruined. I can tell you honestly that except for a miracle that just happened, I could not enclose the money. The wolf that comes to many doors nowadays just had pups in my kitchen. I sold the pups and here is the money.

Yours truly,
Dan"

ROCK TALK, the Bulletin of the Waterloo, Iowa, Club, has a summary of their October program. Portions of the report by their secretary, Lois Fleming, follow:

"Mr. Raymond Sincebaugh showed pictures of the "monster dig" that Lincoln, NE club "enjoyed" in the fall of 1963. "Enjoyed" is not just the right word, for the workers, in order to keep warm, built a plastic tent over the site and warmed themselves by bonfires underneath. The seepage springs froze, and the shale often had to be chopped away with ice picks. But they "enjoyed" working together, and they "enjoyed" the good publicity."

She gives a description of the Plesiosaurus, tells how it happened to be discovered, the casting of the bones, and the lab work at the University. She ends her report, thus: "This was a good example of a club working together on a volunteer, non-profit, educational project. Everyone benefitted."

Special to the Pick & Shovel - Submitted by Marie J. Carveth

The Mohave County Gemstoners, the Kingman, Arizona, Club, used some of their "money" to purchase lapidary machinery for the local high school, reserving the right to use the equipment.

On a Club trip on a hot summer day, one of the members passed out from the heat. They were able to revive him. Now they have invested in a resuscitator which they take on field trips. It cost just \$225.00. They all feel better, knowing it is along on their field trips, in addition to their regular first aid kit.

This information from Dorothy and John Wright, charter members of the Gemstoners.

Since Valentine's Day comes in February, the following poem seems quite appropriate for this issue of the Pick & Shovel.

THE ROCKHOUND PROPOSES
by Egger Saissuc



My precious girl, my flawless Pearl,
The Jewel of my life,
With Specific Gravity I ask,
"Will you become my wife?"



The Golden Topaz of your hair,
Your cute Conchoidal curves,
I know are more than any poor
Lapidary deserves.

Your Rose Quartz cheek, your ruby lips,
The Sapphire of your eye,
Would melt a heart of Agate made,
So Twinning let us try.

To me your every Facet, dear,
Is Polished, Faultless, True.
I hope your heart on Moh is low,
For I love none but you.



--The Vaca Valley Geode, via The Geode



Did you read the article "Dig One to Find One" in a late edition of the Lincoln Journal? This item is from Port Alberni, B.C. (UPI). It tells about a boulder-lined trench which archaeological workers have unearthed in an Indian village at Shoemaker Bay near Port Alberni. It is believed to have been dug by Indian inhabitants 600 B.C. Scientists have excavated more than 3,200 artifacts from this 13 meter trench.

Diamonds are chunks of coal that stuck to their jobs.

RARE STONE KNIFE CAPS BISON SITE DISCOVERIES

The discovery of a rare Cody knife just prior to closing the excavation operations late last week highlighted the summer at the Hudson-Meng Kill Site northwest of Crawford this summer. A Cody knife is a distinctive form of cutting implement with a triangular blade and a transverse or oblique cutting edge plus a shoulder and a stem for handling.

The excavation director, Dr. Larry Agenbroad, said the Cody knife that his team found is the oldest of its kind ever found since the Hudson-Meng site predates any others from which they have been taken by many centuries. Carbon 14 dating on bones taken from the site has determined that the bison were slaughtered about 9,380 years ago. The unique tool was first discovered at the Homer Site near Cody, Wyo., which dates back about 6,920 years, Dr. Agenbroad said.

Dr. Agenbroad, who is professor of earth science at Chadron State College, called the discovery "Pretty exciting. It opens the door to a lot of unanswered questions."

Previously, the Cody knife had never been found intermingled with the Alberta point, which is the dominant style of the projectile points found at the Hudson-Meng site. The Alberta point is one of the oldest points found in North America.

The knife, which is nearly three inches long but is probably less than a third of its original size, according to Dr. Agenbroad, was one of four butchering tools found during the six weeks of excavation. Also uncovered were two abraders (tool sharpeners,) a projectile point and nearly 1,000 flakes, along with the bones from between 80 to 100 bison.

Bones from approximately 300 bison have now been found at the site during the four years of work. Dr. Agenbroad estimates that this is only half of the bone bed that was originally at the site.

The bones, after being mapped, photographed and measured, were left intact this year for the first time.

Partially because of the discovery of the Cody knife, Dr. Agenbroad hopes to probe the site again next summer. So far relatively few skulls have been found and all of them have been cut or smashed open.

Through use of a drill, the researchers believe they have determined where the bison plunged to their death after being herded over the hill from the west. This drop-off also bears looking into, Dr. Agenbroad feels.

Between 800 and 1,000 persons, including six early-man experts, visited the site this summer while the work was underway.

WINTER SAFETY FOR THE ROCKHOUND



Now that colder weather has driven most rockhounds indoors for a continuation of the hobby, a few words about safety precautions might be in order. While most safety rules have been written and re-emphasized again and again, it's never enough because most of us forget easily. Here are a few reminders:

When cleaning specimens, never add oxalic acid--or any acid--to any kind of household bleach. Such mix ures will produce poisonous chlorine gas which is deadly.

If you use oxalic acid crystals in your polish wear rubber gloves to avoid contact with the skin. Also avoid inhaling any fumes as they are toxic.

To avoid slipping or falling, keep your floor free of spilled cutting oil or broken rock fragments.

When grinding or chipping rocks, always protect your eyes with safety glasses.

Do not wear loose fitting shirts, long ties, gloves or dangling apron strings when working around your machinery.

Do not run your grinding wheels faster than the maximum speed recommended by the manufacturer.

To avoid water logged and out-of-balance or bumpy wheels, let them run a while without water after you finish grinding.

If dry sanding, always wear a dust mask or use a suction blower or a ventilating system. Dust can cause silicosis and it is incurable.

Be careful if using an alcohol lamp for dopping. They are fire hazards.

Have a well stocked first aid kit on hand at all times--And use it when necessary.

(Via Conglomerate Jan. 74)

SAFETY TIPS FOR WINTER -- Driving as if you were late for a dental appointment is a good safe speed. When traveling in winter, include some hard candies in your survival kit. The sugar may help keep you alive until help arrives in an emergency. Take along sleeping bags or extra blankets, in case you are forced to stop along the road (due to shortage of gasoline) until another car comes along. Only in extreme cases should you leave your car. Help will arrive faster than you can walk for it.

Open your garage door before you start your car even on the coldest mornings. Carbon monoxide poisoning builds up in the bloodstream. Don't give it a chance. Better a dead engine than a dead driver.

Winter Fashions for the Lapidarist: To be fashionable safetywise, never get "caught" wearing around your shop--

rolled up sleeves	a long tie
fuzzy sweater or	loose apron strings
loose fitting, floppy shirt	pant legs that are too long
pocket flaps	gloves around moving parts
cuffs on pants	bracelets, watch chains, rings,
shoes with wornout soles	other jewelry that might catch

--From Rockhound News

via The Glacial Drifter

TIPS FOR THE WORKSHOP

How many times have you cut slabs from choice agates or other kinds of rocks having odd pieces left over from the first cuts, or round pieces that are hard to grip in the vise? Many times the piece is valuable and every last possible slab must be obtained to get out the value and reduce to a minimum the waste in rough.

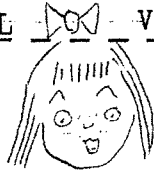
After slabs are removed in the first sawing, take the end part of the rock, clean it with detergent and cover with water in a bucket, bring to a low boil on the stove. This will prevent overheating and cracking the material. Prepare the "dop"--a piece of 2x2 as necessary with a length of one or two inches. Apply a coating on one surface of dopping cement, using your alcohol lamp, and warm to flow stage. When the piece of rough is well heated, pour off the water and handle with gloved hands. It will dry instantly and is ready to apply to the wood "dop." Again heat the wax so it is flowing, apply to the rock, with its smooth cut side to the "dop" with pressure so a bond will be obtained. To make sure the piece doesn't slide in the warm wax, stand it upright and allow to cool. The piece is ready to put in the vise, with vise gripping the wooden "dop." Line it up to the saw and the piece of rough is now available as a slab. After cutting the last slab, wash the "dop" in detergent, warm carefully over alcohol lamp and slide off the slab, remove excess wax and clean slab with alcohol. Small agates or pieces may be rigged up in the same method on to small pieces of boards, to be cut by trim saws.

Taken from "Gem Cutting Shop Helps"--the best selected from 17 years of Lapidary Journal,
--via The Black Hills Prospector

HIDE THAT CRACK -- The secret of the art of healing fractures in a cab with epoxy is to shape your stone and semi-polish it. To get rid of that nasty crack, heat the stone to 200 degrees in an oven. Mix the epoxy and apply it to one edge of the crack. Gradually apply the resin, working gradually from one end of the crack to the other. This is very important. You will notice that the epoxy becomes very liquid when it touches the hot stone, and it flows right into the crack. By applying the epoxy at one end and working towards the outside edge of the cab, the air in the fracture is driven out and the epoxy replaces it. Then put the stone back in the oven and let it remain there for another 20 minutes. By this time the epoxy will harden. Scrape off the surplus and proceed with your final polish. If you do this right, the fracture will be very difficult to detect. From The Puget Sounder, via The Template, Feb. 1974.

HINT -- When you're using your jeweler's saw, run it thru a little beeswax before you begin to saw. Then remember to clean it off well before trying to solder. Beeswax can sometimes be found in the sewing department in a little plastic case. --via "Serendipity Gems"

To remove epoxy cement - use fingernail polish remover. Wash the stone with soap and water before using cement on the same surface again.
--From Gems and Minerals, Feb. 1962, via Rock Box



JUNIOR PAGE



Here is a poem written by Joel Keehn, age 10, via Mineralscoop & Niagra Ledger. I found it in the Rockwood Rockhound News. I think it is an excellent poem which I wish to share with you. Why don't some of you try your hand at writing a poem for our Junior page?

--Mrs. Ulrich

Maybe Me

Is there a solution
To the problem of polution?
I don't know.

Will someone have a notion
That will purify the ocean?
I hope so.

Is there anyone to care
About cleaning up the air?
We shall see.

Who will make our city
Into something pretty?
Maybe me?

Here are some things for you to puzzle out. Don't peek at the answers.

One color by day, another by night.
A fine one is a collector's delight.
The most common mineral, yet with beauty galore
Most lapidaries of this have quite a store.
From the land of the Inca comes this lovely stone.
But the price of a clear one is cause for a groan.
Aluminum fluosilicate is the chemical name
When it's heated, the color just isn't the same.
From Africa comes a fine stone so green.
A high-priced one at our Rockrama was seen.

--via Northeast Iowa Rock Club News

This thing about pollution hain't new. My Uncle Clem never lived a Saturday night that he wasn't polluted. He sure would have made a good rockhound--when he wasn't stoned, he was petrified.

--via Rocklore

What is the difference between a nodule and a geode? . . . A nodule has 100% fewer cavities.

--Gem News, North Las Vegas

GIVE A HOOT! DON'T POLLUTE!

- 1. Alexandrite
- 2. Quartz
- 3. Emerald
- 4. Topaz
- 5. Malachite

REASONS WHY YOU SHOULD JOIN A CLUB!

Ask yourself "What would I have missed if I had not joined a club when I became interested in rockhounding?" Some answers:

1. I would not have had the opportunity to meet the fellow members I now consider among my best friends.
2. I would not have had the opportunity to display the fruits of my lapidary prowess, which is an incentive to do my best.
3. I would not have my present knowledge of collecting areas.
4. I would not have the confidence to hunt in some of the areas I now enjoy, for fear of bogging down in the desert, miles from nowhere.
5. I would have missed a spring barbeque, summer pot-lucks, fall swaps, Christmas parties and the annual banquet each year.
6. I would have missed the opportunity offered by accepting a chairmanship or office and working closely with my friends on worthwhile projects.
7. I would have missed the interesting programs our club presents, which expand the understanding of our hobby.
8. I would not have had the opportunity to participate in programs designed to help save many of the present collecting areas for my enjoyment as well as future rockhounds' enjoyment.

Dues, expenses, and hours of work connected with a Club really are worthwhile.

-Adapted from "The Mineral Scoop. AFMS Newsletter via CHIPS & BITS via April 1973 MICHIGAN GEM NEWS

HARVEST A MOON by Bud Freebury - from SEEKER via Cedar Valley Gems 2/70

To pick up moonstones in the rough the hobbyist new at the game may not be able to form cabs that will bring out the moon in the stone-- but if they will check the stone under a shaded light with an unfrosted bulb, and keep turning the stone until you find the bright flashes you can find it rewarding. Mark around your rock and then saw through the line and you can get two cabs from one rock. Then dop your rock on the sawed sides and shape and you will have the moon you were looking for.

Experience is what causes a rockhound who has made the same mistake twice decide to bust up the third mistake and put it in his tumbler.

from Kalamazoo "GEMS" via ROCK TALK via Cedar Valley Gems

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. 152 - February 1975

Scholarship Foundation, Inc.

SCHOLARSHIP PRESIDENT'S ANNUAL REPORT

For the year Nov. 1, 1973 to Oct. 31, 1974

The Foundation's Fund has shown an excellent increase during the past year. Total assets Nov. 1, 1973, were \$159,469.00 which you can compare with the attached Treasurer's Report. Although the expense for Plaques has increased sharply, this is due not only to inflation, but also to the fact more and more of our Clubs are reaching new heights in support of the Fund. Several have attained 1500%, 2000% and 2500% this year and one, the Glendale Lapidary and Gem Society of California, has reached 2700%. In anticipation of continued support by our wonderful members, we are now prepared to issue Plaques, Certificates and Seals to 4000%.

We were very sorry to receive word from General Mills that they are forced to terminate the Betty Crocker Coupon Program which will end Dec. 31, 1974. Begun more than ten years ago by Bernice Rexin in the Midwest Federation, the program spread rapidly to all sections of the AFMS. It not only brought in more than \$19,940.00 for the Fund, but added greatly to increasing participation by our members.

In the Midwest Federation the two students who are now receiving grants to help with their education are Wayne, R. Goodman, Ph.D., University of Cincinnati, and Miss Lynn Goldstein at Northwestern University.



PRESENTS CHECK FOR \$3,500

Ralph Ulrich (left), President of the Lincoln Gem and Mineral Club, Lincoln, Neb., presents a check in the amount of \$3500 to Midwest Federation President Terry Huizing at the fall Executive Committee meeting at Hammond, Ind. on Saturday, Nov. 2. Check represents first payment of the Midwest's share of the profits of the National Gem and Mineral Show held in Lincoln, Neb. last June 13-16.

From the Nation's Capitol...

The Washington Scene

By Kenneth Zahn

The intense, unrelenting force of inflation is having dramatic effects on budget cuts for lower priority projects which include funds for recreation and management of the public lands. The Bureau of Land Management will have a tough time trying to enforce some of the provisions of its regulations.

Ronald H. Walker, Director of the National Park Service, said that "probably in response to energy shortage and economic restraint," people are (a) visiting fewer parks and staying longer, (b) increasing visits to historical areas, (c) increasing visits to nearby parks, and (d) reducing only slightly total use of parks and recreation areas.

A prominent Congressman stated that "opinions expressed in public hearings have little effect on changing proposals. We wouldn't necessarily let the few who attend sway our conclusions. Our biggest influence comes from analyzing heavy letter concentrations, especially if they are well written and constructive." A word to the wise or need I say more.

ALL AMERICAN CLUB AWARD BLANK

A copy of the ALL AMERICAN MERIT AWARD blank which your club is to fill out and mail in by the last of March is being enclosed with copies of this newsletter going to each club. This is your chance to tell us how wonderful your club is. Tell us all about yourselves. All pictures, clippings, etc. will be returned if you wish. (Include postage, please!) Last year the Midwest had more entries than any other Federation. Help the Midwest, and help the image of your club by entering! We want to know about you! Mail to Mrs. June Zeitner, Mission, South Dakota 57555.

WHEN YOU
DRIVE



A LETTER FROM A SCHOLARSHIP WINNER

Dear Mr. Courter:

The purpose of this letter is to inform you of receipt of my scholarship grant on 1 November 1974. I would herein like to again express my sincerest thanks to the American Federation of Mineralogical Societies for institution of this program. I am particularly honored to be the first award recipient from the University of Cincinnati. As such, I would also add the hope that many of my colleagues benefit from the program in future years. The A.F.M.S. is certainly to be commended for the civic interest shown by the institution of such a foundation.

It would be unfair of me to fail to give credit to another group of people who have made receipt of this honor possible for me, the faculty of the Department of Geology at the University of Cincinnati. Particular kudos are due Professor Potter, who, in addition to his contributions to we students as a lecturer, and to his discipline as an outstanding researcher, has worked with the A.F.M.S. in establishing this award for Cincinnati students. But my thanks also go to the remaining faculty, who have challenged my intellect while guiding my course in geology. I would not have received such an honor without their aid.

Since I was unable to convene with you in Lincoln last June and talk about my own pursuits in geology, I thought you might be interested in a brief account of my study. I am currently culminating work on my M.S. dissertation, which is a study of the microfauna, in particular the conodonts, of a Lower Mississippian sequence of rocks in Kentucky. I am additionally a candidate for a Ph. D. at Cincinnati; while my dissertation plans are not yet concrete, I will likely be studying lebensspuren from the same Mississippian sequence. My coursework is centered on invertebrate paleobiology, with ancillary backgrounds in stratigraphy-sedimentation and biology.

The grant awarded me by the A.F.M.S. will directly contribute to my academic goals. My present plans are to use it to defray costs of studying marine ecology this summer at the Duke University Marine Station in Beaufort, N.C. This program, which has been participated in by Cincinnati paleobiology students for several years, adds immeasurably to recognition of fossil assemblages as representative of parts of once-living communities. The generosity of your organization will allow me to realize such a learning experience next June.

Upon closing, allow me to reiterate my thanks to the American Federation of Mineralogical Societies for this honor. I will strive to make your selection a good one. I will conclude by expressing the hope that I can personally meet you and other foundation members at a future meeting.

Best wishes for continued success of your fine program.

Sincerely yours,
Wayne R. Goodman

Federation communication

By June Zeitner

It is surprising how little the average club member knows about the way his Federation and AFMS are run. Many have no idea about the services rendered by the Federations. In fact, some say openly they don't know what good the Federation is, and then vote to drop multiple Newsletter subscriptions.

The purpose of the Federation Newsletters is to inform the members of the clubs, all the clubs and all the members. Various systems are used by the Regional Federations, but whatever system they have, someone in every club, most often two in each club, and sometimes more, receives copies of each issue of their own region's and the AFMS Newsletter. If the club does not know or understand about the Federations the trouble might be that these Newsletters are treated like private property. It may be the person who gets them reads them and files them and the club members do not ever see them. Perhaps the officer may be interested in only one item in a newsletter and mention it to the members, but neglect to mention all of the other important things in the issue. Items are selected for the Newsletters which are of wide interest. Some one in every club will enjoy each of these items, if they are made available. And as the members as a whole learn all of the workings of the Federation their interest and appreciation will grow, and the Federations will be strengthened.

The clubs are wonderful at coming up with solutions for seemingly hopeless problems. So here is a problem for all to work on now. Communication. Help our communication system work. It is necessary for our survival, and is somewhat costly. Is your club helping all it can?

DENVER SITE OF AFMS CONVENTION JUNE 19-21

The American Federation will hold its 28th Annual convention in conjunction with the 32nd Annual Rocky Mountain Federation show and convention in Denver, Colo. on June 19-22. Host is the Denver Council of Gem and Mineral Societies

Extensive plans are being made for the show and in coming issues of the Newsletter these plans will be unfolded.

There is much to see and do in Denver, the Mile High City of Colorado. While attending the National Gem and Mineral Show for 1975, visitors can take trips to the State Mineral Museum and the Museum in Denver's beautiful city park. Then a short distance away is Golden with the Museum of the College of Mines and Boulder with the State University Museum. There are fabulous mining areas in the Rockies as well as spectacular scenery, abundant wild life (birds and animals, that is) and historic and picturesque settlements.

Supply orders

Clinton Heckert, Director of Supplies for the MWF, has been shipping all supplies with exception of stationary... letterheads and envelopes. Effective immediately he will also be shipping the letterheads and envelopes. Send all your orders for supplies to Clinton Heckert, 725 Stewart Street, Elgin, Ill. 60120.

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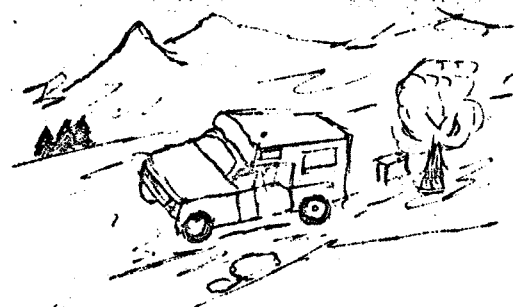


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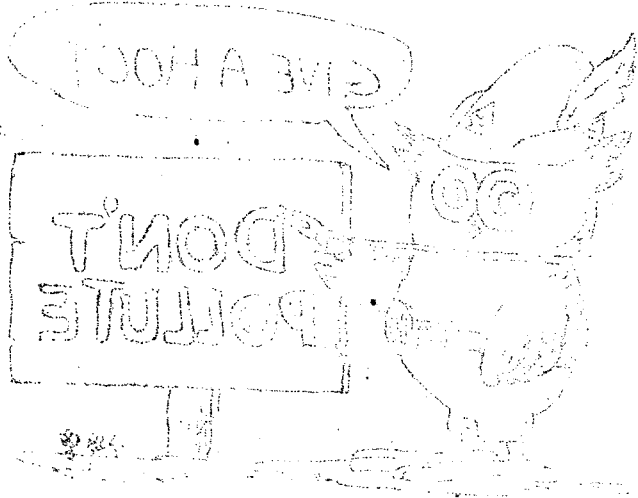


REMEMBER - While Frank is
vacationing the shop will be

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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

