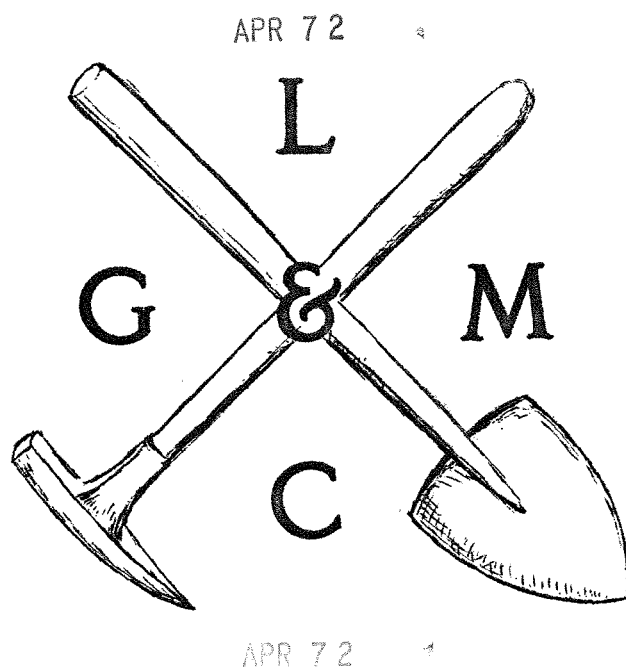


THE PICK & SHOVEL



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB

HOST OF COMBINED

MWF-AFMS NATIONAL SHOW AND CONVENTION
AND NEBRASKA STATE SHOW

JUNE 13-16, 1974
LINCOLN, NEBRASKA

C A L E N D A R

REGULAR MEETING...Sat. April 22, 7:30 PM
734 S. 27th St., W.O.W. Bldg.

PROGRAM..."Show Case 1972"...Just in time to give you some new ideas on how to set up and arrange your case for our Show next month, and this should be a great help to the new members.

Presented by Roger & Margaret Simmons

ROCKFEATURE...Clear quartz and clear quartz crystals. Bring your sepcimens for display..(any old diamond will do.)
ALSO SILENT AUCTION...this is a "first" in our club for some time. Bring specimen(s) you wish to donate to the auction. This is always an interesting event.

Phyllis Parks in charge



REFRESHMENTS...Pappy Waddle, Bruce Simon, Bob & Nelda Oliver, Luella & Ewald Paul
-Marjorie Simmons in charge

FIELD TRIP...Sat April 29, 1:00 PM...meet at Court House in Wilber to hunt fossils

NAOESCI...STATE SHOW, Hastings, NE, Apr. 14-16 City Auditorium. Sponsored by Central Nebraska Rock & Mineral Society, INC. 18 member clubs of NOAESCI participating...Support the State Show with your exhibit and attendance.

LGMC 14th Annual Show...NEXT MONTH...May 12-14, Exposition Bldg. State Fair Grounds, Lincoln. Fri. May 1 - 10AM - 9PM, Sat. May 13 - 10AM-10PM, Sun May 14 10AM to 6PM. Your Show Chairman and various committees have been busy...ask Roger how you can help!

HAMBURGER-STEAK FRY...6:00 PM, Sat. May 20 at Hornungs Lake - 3/4 mile east of 84th St. on Hiway 2. Turn N in gate by metal bldg. Bring hamburger or steak for your family, one vegetable or desert dish, drink for your family, eating utensils, tablecloth and chair.

FIELD TRIP...May 27-29...Keokuk, Iowa and points here and there...details in May. You will find a complete list of field trips in the new 1972 WHO'S WHO

CORRECTIONS to '72 Who's Who...Mrs. Pfeiffer's first name is 'Mildred'
(the gremlins were busy?) Dan Saybouts should be Sybouts
Roger Pabin should be Pabian
Bigley's address should be 6126 Hartley

COMING EVENTS:

Apr. 14-16 NAOESCI State SHOW, HASTINGS, NEBR. AUDITORIUM
APR 15-16 Garden City, Kans, SW Kansas Gem & Min Soc. Show, Armory, Garden City, Ks
Apr. 15-16 Sioux Falls, SD, Sioux Empire Gem & Min Soc. Show, Masonic Temple, Sco Falls
Apr- 15-16 St. Joseph, Mo, Missouri Valley Gem & Mineral Soc. Show, Ramada Inn, St. Jo
May 12-14 LINCOLN GEM & MINERAL CLUB SHOW, STATE FAIRGROUNDS EXPO BLDG, LINCOLN

LAST MINUTE NEWS...Garry Heedick, former pebble pup, now full-fledged member and finishing highschool, has won a 4 year ROTC Scholarship to the University of Nebraska!!! He will take pilot training...WOW...and Congratulations, Garry!

Last month ...OUR REGULAR MEETING was attended by a total of 75 persons. Guests were Mrs. Hazel Grossman, 2600 S. 20th, Apt 5; Linda Plock, 3418 Randolph; Sally Heald, 2435 S. 11th; Edward Ridge, 1415 S. 26th; and Ed & Mary McNamara from Iowa.

Business was carried on as usual and dispensed with shortly. The program acquired from MWF titled "Cameos" was very good and enjoyed in spite of the short break while a new bulb was inserted in the projector. (Wouldn't you know?). This being quite a long program a discussion about the many fossil and jade displays that were furnished by the members was cut short. Each meeting is getting to be like a gem show every time with all the goodies on display - keep up the good work, it's worth it. Refreshments were furnished by Florence Boring, Tom Simmons, Roger & Margaret Simmons.

FIELD TRIPS...the date of our first field trip of 1972 was Febr. 27, an early date for a field trip in Nebraska's unpredictable weather but lady luck was with us and it was a beautiful, warm day for the 20 cars of people who turned out. An accurate count was not taken but the 4-H group (Petritified Pebble Pups) who joined the club members swelled our number and all had a good time hunting horn coral and other fossils. Our old pro, Roger Pabian, came away with more than one trilobite! At 5:00 PM the group broke up with many heading for home but 17 of us enjoyed chili supper at Norma and Perry's cabin on the lake at South Bend. A good way to end a delightful winter's day.

MARCH 19, 1972 was our second field trip to Odell and Haith's Quarry. Twenty-six members and families turned out for this one. Those attending included old and new members, Dick & Dorothy Hornung, Bob, Nelda & Jim Oliver, Frank & Hilda Oliver, Bud, Joella & Joyce Olson, Bob & Evelyn Smith, Tom Simmons, Dick Ternes, Ruth, Kathy & Bill, Lynn Wells, Mike Smith & Donna Carrier, Don, Arlene, Liz & Steve Eckel, and Mark Treu. Our hosts Marion & Miriam Cacek were also with us and were very gracious, providing us with a nice wooded area for our lunch on their farm. We hope they will join us often. Odell diamonds were the order of the day plus calcite and quartz crystals. Everyone seemed to enjoy another beautiful Sunday.

KITCHEN FIELD TRIP!!! Some of us went to Kansas City to attend their Rock Show but George and Glenna McGinnis made the trip for another purpose. They purchased the entire rough stock supply, about 1100 lbs., of Bill Patt, deceased. When loaded into their station wagon low-bottom was hit so a part of the load was transferred to our (Wells) car. We could hardly wait to get back to Lincoln and the McGinnis kitchen to go through the whole load. This material was collected over a period of 45 years and contained such hard-to-find stuff now as fabulous red, orange and purple Mexican 'crazy-lace'. The whole load of rocks was carried into the McGinnis kitchen and would you believe, we viewed, examined, and sorted piece by piece the whole 1100 lbs! The ohs, and ahs, and oos could not be suppressed with each new discovery of a spectacular specimen. What fun! And now would you believe George and Lynn carried the whole bit into the basement! Our only regret was that the collection was not ours. The material in the collection consisted of Imperial Rhodonite, Youngite, algae, Montana agate, Dinosaur bone, Rose quartz, Malachite, Picture Jasper, Azurite, Sodalite, Aventurine, Carnelian, Bloodstone, Palm wood, purple lace, Mozarkite, Hickoryite, poppy jasper, Obsidian, Tampa Bay coral, Thundereggs, Brazillian agate, jade, sunset agate, Rhodochrosite, sagenite, Petosky stone, crazy Lace agate, Laguna agate, Coyamito agate, Moctezuma agate, Apache Plume, Black Plume, Lake Superiors, Teepee Canyon, and fire agate, plus some so far unidentified. (What a haul! Ed.) -Marie Wells

RENDEZVOUS FOR ROCKHOUNDS-Bancroft, Ontario- 145 mi. NE of Toronto. Set in a 20-acre tent city the Gemboree includes field trips, visits to abandoned mines, swapping, displays, demonstrations, western music, square dancing and outdoor corn roasts! No charge for kids under 12...adults \$1 first two days, \$1.50 last three. For info write: ROCKHOUND GEMBOREE, P. O. Box 691, Bancroft, Ontario.

FROM THE PRESIDENT



Now is the time for all good rockhounds to come to the aid of their club. The show is all set to go! Our biggest job now is the promotion of selling advance tickets. Everybody sell as many tickets as you can - get the kids in on the act - and keep the dues down.

Anyone wishing to reduce their stock of quarter size polished pebbles may bring them to the April meeting or to 2940 Vine St. The Chamber of Commerce is using these for promotional activities. They are in need of 10,000 stones and we have supplied them with about 800 so far. A special thank-you to the following people for their contributions:

John and Lillie Lewis, Floyd Fellows, Howard and Marie Taylor, Stan and Hazel Greenwade, Ewald and Luella Paul and Irl and Lois Everett.

Three former club members, Bob Smith, Angie Denio, Bill and Diane, and Sally Heald, have asked to be reinstated and their applications have been approved by the board. Welcome back and we're glad to have you.

I am urging members to write your Senator and Congressman how you feel about the use of public lands for multiple recreational use. I have written all of our congressional delegation in Washington and heard from all of them. Letters from individuals however are more effective. Unless they hear from you - don't be surprised if the public land will be barred from public use in favor of private enterprise and urban development groups. California cities are eager to get control of these public lands. Write today to:

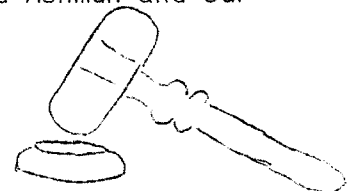
Senator Carl Curtis
U. S. Senate Bldg.
Washington, DC 20510

Senator Roman L. Hruska
U. S. Senate Bldg.
Washington, D.C. 20510

Congressman Charles Thone
House of Representatives
1531 Longworths Bldg.
Washington, D.C. 20515

The entire membership was saddened by the untimely death of Tod Ashmun and our deepest sympathy is extended to his family.

- Marie Wells
President



4-H NEWS FROM THE PETRIFIED PEBBLE PUPS

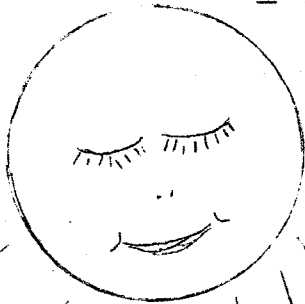
Mineral identification was the topic discussed by the Petrified Pebble Pups of Lancaster County, March 13 at Carolyn Allen's home.

Lars Olson and Sequoya Flechs gave a demonstration on how to use the Moh's scale of hardness. The club then judged three sets of horn coral.

On February 27 the club was invited to go on a field trip to Weeping Water by the Lincoln Gem and Mineral Club. Several people showed their finds during a "show and tell" period at the meeting.

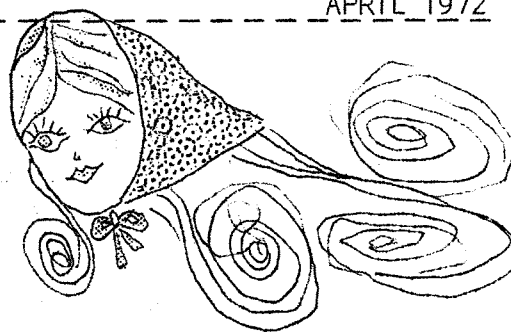
Mrs. Denio showed us some of her collection of minerals.

- Andrew Olson



THOUGHT FOOD... People who wonder where the younger generation is headed, would do well to consider where it came from.

GLENNA'S GLEANINGS



Maurice Tracy is home from the hospital in Omaha now. He reports that he is feeling very tired so visitors at present are not advised.

Rev. & Mrs. Pfeiffer left Lincoln for a two-week trip to Hawaii, returning on April 21st.

Frank & Tom Rule will be in Lincoln briefly during April. Tom has a leave before he goes to Taiwan for a six month's tour.

The Ed McNamars of Des Moines spent the March 25th weekend in Lincoln, attending the regular club meeting on that date.

Gladys Jeurink has been appointed chief medical technologist at Bryan Hospital. Contratulations!

Barbara Allen is reported to be home from the hospital but in a wheel chair. She is recuperating from a fall which broke bones in her arm and foot.

The Engleharts announce the coming marriage of their son, Chris, to Vicky Ayres at Cheney Methodist Church on June 10. Chris will be remebered as a Pebble Pup of some years ago. The couple will live in Colorado Springs, Colorado.

Sam Lybyer entered Lincoln General Hospital on April 10th for surgery. Best of luck!

The Hal Janzens and Yours Truly and spouse spent Easter weekend at the Great Salt Plains in Oklahoma, digging for selenites.

Dr. John Neihardt is in Bryan Hospital, Rm 626. He would be pleased by cards and letters from members.

Friends will be saddened to learn of the deaths of the Senior Mr. Parks, and Kay Ulrich's father, Mr. Anton Oltman of Beatrice. Our sympathies to the families.

Mrs. Evelyn Ulrich announces the engagement of her son, Glen to Miss Debra Trout of this city. Best wishes!

The club has four educational cases on display at Bennett Martin library during April.

Marie Well's 4-H group reviewed rock and mineral displays at the Arthur Howlett and George McGinnis residences on April 10th.

Some of you will remember Florence Boring's sister who accompanied us on fossil field trips...congratulations are in order as she was recently married in California.

your reporter, Glenna McGinnis

DON'T FORGET the STATE GEM & MINERAL SHOW & CONVENTION...Hastings City Auditorium in Hastings, Nebraska April 14 & 15, 1972 from 9 AM to 9 PM and April 16 from 9AM to 6 PM
SPONSORED BY 18 member clubs of the Nebraska Assn. of Earth Science Clubs
HOST CLUB...Central Nebraska Rock & Mineral Society, Inc.
DEALERS - EXHIBITS - SPECIAL FEATURES - JOIN THE FUN ...next week-end.

MINUTES OF THE LGMC BOARD MEETING, April 6, 1972.

Linco In Gem & Mineral Club Board meeting was held April 6, 1972 at 7:30 PM at the home of Norma Miller.

Board members present were Irl Everett, Marie Wells, Luella Paul, Tam Dutcher, Howard Taylor, Roger Pabian and Tom Simmons, and the following committee members present were Norma Miller, Glenna McGinnis and Pat Lawson and visitors were George McGinnis, Don and Billie Lawson.

The minutes of the March meeting were read and approved. Treasurer's report was read and the bills presented and approved.

Motion was made by Tom Simmons and seconded by Roger Pabian to reinstate Robert Smith, Sally Heald, Angie Denio and children as members.

It was suggested by Howard Taylor that the felt LGMC emblems left in inventory be sold to the new members at the next meeting.

Tom Simmons, Marie Taylor, Marie Wells and Luella Paul are delegates to the State Show to be held at Hastings, April 14, 15, and 16. (A change in plans for George & Glenna McGinnis forced them to cancel as delegates as reported in last month's minutes. Ed.)

The President suggested we extend an invitation to the newly organized 4-H Petrified Pebble Pups to the LGMC April meeting.

Roger Pabian gave a progress report of the 1972 Rock Show, and he stressed the fact to have all the flyers out by not later than April 15.

Letters were read in return from our Senators and Congressman in reference to "Mineral Club go on record that we favor multiple use of Public lands," stating that they would keep our request in mind when legislation is reported to the House and also the Senate floor.

Howard Taylor, read a letter from Midwest Federation thanking the members of our Club who donated cabochons for the American Federation's 25th Anniversary Cake, and stating also that we were number one in the amount of cabochons contributed.

Next board meeting will be May 4, at 7:30 PM at the home of Luella Paul. Adjournment by Irl Everett.

-Secretary, Luella S. Paul

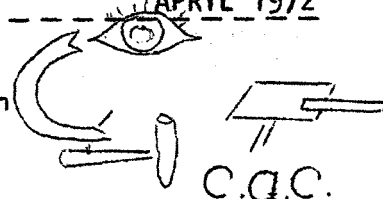
ATTENTION...ALL LGMC MEMBERS...

DO YOU HAVE YOUR CASE READY FOR THE SHOW?
DO YOU HAVE YOUR MATERIALS READY FOR THE CASE?
DO YOU HAVE YOUR BREAKFAST TICKET?
ARE YOU SELLING ADVANCE TICKETS?
DO YOU REALIZE OUR SHOW IS 4 WEEKS AWAY?

GET YOUR CASE READY NOW...don't wait till last minute!!
ORGANIZE YOUR DISPLAY MATERIALS...GET LAST MINUTE ITEMS
GET YOUR BREAKFAST TICKET FROM NORMA MILLER by May 7
GET ADVANCE TICKETS FROM PAT LAWSON and sell, SELL, SELL

Remember...advance sale of tickets can make or break our show-get in there and sell

The Community Arts Council met on March 20, at KOLN Television Station for a noon luncheon meeting.



The program was a panel discussion on how a news release of community events is handled by radio, television and newspapers.

Those serving on the panel were Dale Holt, representing the television media; Bill Wood, radio, and Phyllis Woolen and Helen Haggie represented the press.

Some of the things that came out of the discussion were of interest to the Lincoln Gem & Mineral Club. There are fifty-five different groups included in the Community Arts Council and so the time and space allotted to each by the news media has to be limited.

It is advisable when submitting material to the television and radio stations to send more than one copy, because it may be sent from the mail desk to a department that cannot use it, where another department might be able to include it.

The radio schedules of special events are made up a month ahead, so it is best to send in your publicity well in advance of the time of your show. When preparing for a show, contact the media and discuss your promotion with them. Try to bring them stories with special appeal to the general public, in relation to your group.

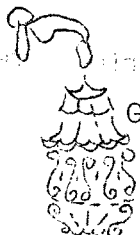
When submitting publicity to the television stations it is well to include some slides, as they want visual, as well as written releases. The television and radio stations can use tapes, if they are made on good equipment. Most home recordings are not of satisfactory quality.

The Lincoln Journal publishes the Sunday Focus section, in which they include all the opening dates of shows, and when possible include stories of interest about the event. The Lincoln Star publishes the dates of openings of events for the coming week on Fridays. You have to meet their deadlines if your announcements are to be included in these publications, remembering they are two separate newspapers.

In unusual circumstances, newspapers will take telephone calls, if deadlines can't be met with typed copy, or you may file your story and have it held for a phone call confirming its release.

-Hazel Baumeister, substituting as representative for LGMC
(Good job, well done, Hazel...thanks.)

via con dios -- "May God Be With You"



Get Well Cards have been sent in the past month to:

- | | |
|------------------------------|-------------------------|
| Mrs. Vi Van Cleave | Mr. Maurice Tracy |
| Mrs. Clara Lange | Dr. John Heihardt |
| Mrs. Millie Bainbridge | Mr. Sam Lybyer |
| Mr. P. C. Parks | |
| Mr. & Mrs. V. Ashmun | Mr. & Mrs. Ralph Ulrich |
| Mr. & Mrs. Jim Parks & Linda | |

-Marie J. Carveth

In memory of friend and fellow club member, Tod Ashmun, I present this poem written by another friend and honorary club member—to be read with symbolism:

THE MEMORY

Long since the ruined town we fled,
And dust heaps mark the spot
Where you and I clasped hands and said,
"My friend, forget me not."

The shout of War was loud at heel,
The foeman pressed behind;
Then you and I turned round with steel
To meet the Future - blind!

I do not know what foes we fought
Nor when we gained release;
I only know with pain we bought
The ultra-stellar peace.

I touch your hand - old sorrows wake,
Like smoke the long night lifts;
And O, the faint far bugles make
Weird music through the rifts!

© from Lyric and Dramatic Poems of John G. Neihardt - p 137 (printed with permission)

TOD: ASHMUN. Rest in peace, dear friend...

I cannot write a collective eulogy; for Tod meant something different to each of us. We can all remember him as an active, participating member in our club, and as a friend. Beyond this, to each of us Tod brought something special with his friendship.

Tod and I collected Lake Superiors, crinoids, blastoids, and just about everything imaginable in a whole lot of states. We gambled when we collected - a quarter for the first, a quarter for the biggest, a quarter for the most, and a quarter for a miss.

We invented a game -- agate concentration. That's what we did with all the Mexican nodules we cut in half -- turn them all upside down and pick out matching pairs. The one with the most pairs won.

Lots of times, after a day in the field, it was to Duffy's to plan our Oregon trip over a couple of pitchers and a good game of pinballs.

Going on field trips with Tod was always a pleasure. We never talked about rocks then but about girls, politics, religion, sex, ethics, philosophy, literature, records, or world affairs.

We each have different ways to enjoy our rocks and rock collecting trips. That's how Tod and I enjoyed ours.

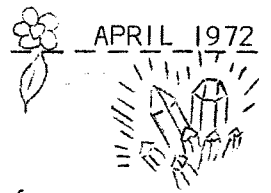
- Roger Pabian

They shall not grow old
As we that are left grow old ---
Age shall not weary them
Nor the years condemn
At the going down of the sun,
And in the morning --
We shall remember them.



My personal tribute to Tod Ashmun

-Marie J. Carveth



QUARTZ INTAGLIOS REVIVED...Deliliah Rankin sent a clipping from a newspaper from Mission, Texas, featuring the skills of her brother Ti Rankin, and his work toward reviving interest in the engraving of gems - Intaglios, of quartz. To learn of his skill and experiences in this area of our hobby dig out your September, 1971 copy of Lapidary Journal, or check it out of our club library, and read the article titled "Quartz Intaglios Revived" by June Culp Zeitner. In it you are told all about making an intaglio, the tools you will need, and step-by-step instructions on "how to". Very interesting, Dee...we didn't know you had such a talented brother! Is there a possibility of getting a special display of his work at one of our future LGMC shows? Sounds like it would be great!

THANK YOU

I would like to thank the following club members for donating their cabochons for the Silver Anniversary Party of the American Federation of Mineralogical Societies:



- Mr. Duane Butler
- Mr. James Marburger
- Nrs. Norma Miller
- Mr. Howard Taylor, Jr.
- Miss Susan Taylor
- Mrs. Marie Taylor
- Mr. Roger Pabian
- Mrs. Marjorie Heedick
- Mr. Garry Hedick
- Mr. & Mrs. Roger Simmons
- Mr. Tom Simmons
- Mr. & Mrs. Donald Lawson

These cabs will be presented to the Smithsonian Hall of Gems to commemorate the event. This is not a repeat list, this is the second group donated.

Nebraska State Director, Midwest Federation - Howard J. Taylor

APRIL - 1962...At our April meeting a certificate was presented for the participation of the club members in the Hobby Show at the Lincoln Air Base.

Virgil and Marie Carveth displayed their case of "Gems of the Bible".

Robert Killen, supervisor of State Recreation, showed slides of camping and recreation spots in Nebraska.

-from the notebooks of historian, Frances Tracy



DON'T MISS the June 2nd, 3rd & 4th, 1972, ROCK SWAP...sponsored by Central Nebraska Rock & Mineral Society, to be held at Hall County Park, Grand Island, Nebraska... 4 miles north of I-80 on Highway 281. Signs will be posted. This is the swap that was formerly held at Ayr, Nebraska. The new location is a beautiful park, easily accesible and we hope to show you a good time.

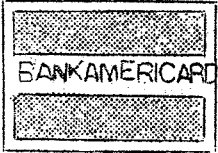
FREE - overnight camping, June 2 & 3 - shade - hard surfaced roads
 Playground - hot showers - no hook-ups - Sunday noon pot luck dinner

Admission.- material for auction

-Mrs. Hal (Darline) Janzen, Swap Chairman

Everett Lapidary Shop

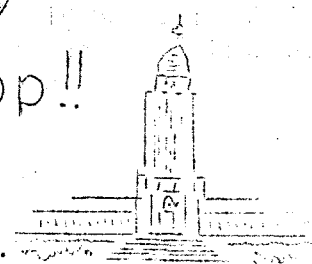
capitol city's first rock shop!!



2941 NORTH 65th STREET - PHONE 466-6204

WE HAVE MANY NEW ITEMS YOU SHOULD SEE.

SPRING SPECIALS GALORE



"SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT"

EXCAVATIONS IN ILLINOIS are yielding information about how man lived in that area 7,000 years ago. Diggings down to 34 feet found the ruins of 14 prehistoric Indian villages stacked layer on layer and each is separated by a layer of soil. To date things found have been: the remains of an 18-month-old child buried 5000 B.C.; the skeletal remains of a man buried 4,500 years ago; the remains of a dog dating from 5100 B.C.-found 29 feet below surface, nine levels deep; shells of hickory nuts and pecans; 58 species of snails; sunflower and other seeds; charred wood and layouts of house floors. There is no evidence that the people of that region engaged in warfare until 800 to 1000 A.D. after the development of agriculture. Man is thought to have lived in what is now Illinois for 9,000 years, the first written record dates from 1674 A.D.

THOUGHTS OF SPRING...Nebraska waather woos with all the experience and finesse of a great lover...it teases, disappoints, then proves joy is the greater when it is not constant and boring.

Women live in the past, men live in the future...only children are wise enough to live in the present. (Act your age?)

No one gives a groom a shower...he's all washed up anyway!
 Inside every woman is a love story screaming to get out!

1972 A.F.M.S. SHOW SCHEDULE

Midwest Fed Ishpeming, Mich July 20-24	Rocky Mt. Fed. Phoenix, Arizona June 23-25	S. Cent. Fed. Waco, Texas May 5-7	N.W. FED Portland, Oregon Sept. 2-4	Calif. Fed. Anaheim, Calif. Jun 29-Jul 2 AFMS Nat'l	Eastern Fed Washington D.C. Nov. 3-5
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see more in '74
 at

GATEWAY GEM & MINERAL SHOW

GATEWAY TO THE EAST - GATEWAY TO THE WEST - MID-AMERICA
 JUNE 12-14, LINCOLN, NEBRASKA



Dr. C. Bertrand Schultz...WE SALUTE YOU



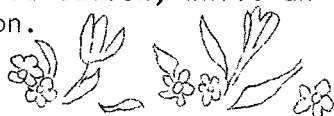
The American Federation of Mineralogical Societies Scholarship Foundation has announced the recipients of the 1972 honorary awards for outstanding achievement in one of the earth sciences. This year, for the first time, each of the six regional federations within the American Federation has selected a recipient from within its own boundaries. These recipients will select a school or institution which will receive a grant from the Foundation to assist a graduate student for two years to carry on his or her work toward a Master's or Doctor's degree in the field of earth science.

Dr. C. Bertrand Schultz, Regents Professor of Geology at the University of Nebraska, Director of the University's State Museum, and Graduate of the University of Nebraska has been selected for the Midwest Federation to receive this honorary award. The official presentation of the award will take place at the MWF Field Trip Convention at Ishpeming, Michigan, July 22nd at the Convention Banquet to be held at Northern Michigan University.

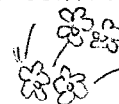
LGMC members are proud to know Dr. Schultz personally and his wife Marion, as we have been associated with them on various working projects within the club and the university. He is a native Nebraskan, born in Red Cloud, graduating from high school there. In his freshman year at Nebraska U in 1927 he started work in the University of Nebraska State Museum as a laboratory assistant; he started collecting fossils for the Museum in 1928 and became Senior Field Leader in charge of the Museum's Paleontological Expeditions in August 1929. In 1934 he started full-time work as a Research Associate in the Museum, becoming an Instructor in the Dept. of Geology and Associated (and Acting) Director of the Museum in 1938. In 1941 he was appointed Director of the Museum. In addition to his B. Sc. Degree he received his M. Sc. and PH.D. degrees from Nebraska U, and took additional graduate studies at Columbia University. He was Research Associate in the Frick Laboratory American Museum of Natural History, New York, from 1932-1965. Along with other interests he has been very active in research concerning the changing environment of the Great Plains, past and present. In 1969 he was head of the U.S. Delegation to the 8th Congress of the International Union for Quaternary Research (INQUA) which is involved in research in regard to the problems of the changing environment of the world. He and his wife have been invited to participate in an International Colloquium being held in Russia in June to study the paleo environment of the past and the evolution of the Ice Age.

This is your life, Dr. Schultz, and we are proud to know you in a minor way. We wish you continued success, and look forward to further association with you through the Lincoln Gem & Mineral Club, the Midwest Federation, and the American Federation of Mineralogical Societies.

Now to clue you in on the American Federation Scholarship Foundation...It was incorporated in 1964. Its members, the equivalent of stockholders in a commercial corporation, are the directors and officers of the American Federation, 18 in number, and this Board of Directors, other than the Vice President of the AFMS who is automatically a director, is elected by the members. The management of the Foundation is vested in this board. They elect a President, Treasurer and Secretary for a term of two years. Their terms are staggered to insure continuity of experienced personnel. The President of the American Federation is always the Vice-President of the Foundation. The Foundation, while an independent corporation, is controlled by the American Federation.



(continued next page)



AFME SCHOLARSHIP FOUNDATION (continued)

The purpose of the Foundation is to accumulate a fund, the income from which is to be used to finance scholarships. The principal cannot be used, hence the usefulness of the fund is perpetual.

As of Sept., 1971, each of the six regional Federations has the privilege of selecting their own Honorary Award winner with this honored individual having the privilege and distinction of selecting an institution (or institutions if more than one grant is available) from within the recognized boundaries of his Federation, and then in full cooperation with that institution to choose a student to receive the grant. This method grants to each Federation the privilege of having their own institutions and students as recipients of the Foundation's grants.

Grants made by the Foundation are restricted to graduate students who are majoring in one of the earth sciences, since our joint interests lie in this field.

The first Foundation Scholarship Grant became possible in 1965. The first Honorary Award winner was Dr. Richard M. Pearl, Associate Professor Geology at Colorado College. The student he selected to receive the first grant was Victor Lee who was attending the Colorado School of Mines. The grant covered two years and totaled \$600.

The 1966 Honorary Award winner was Dr. Frederick Pough, director of the Santa Barbara Museum of Natural History and the student he selected was Richard Bideaux, a graduate student at Harvard University. The grant covered two years and the amount was increased to \$400 per year.

In 1967 the grant was further increased to \$500 per year with Robert Cook at Georgia University receiving a two-year grant. The Honorary Award winner privileged to make this selection was Paul Desautels, Mineral Curator at the Smithsonian Institution.

In 1968 Dr. A. J. Eardley, Dept. of Geological and Geophysical Sciences at the University of Utah was the Honorary Award winner. The students selected were Wm. Dalness and Stephen Olmore, each receiving a one-year \$500 grant to complete their master's degree at the University of Utah.

Three students were selected in 1969 - Bryan Ristvet at Northwestern University, Alan Edwards at the University of Oregon, and Robert Rich at Harvard University - each receiving two-year grants. The grants were for \$500 per year, and Dr. Ian Campbell, a geologist with the California Division of Mines and Geology was the 1969 Honorary Award winner who made these selections.

The late Dr. Carey Croneis, Chancellor of Rice University, became the Honorary Award winner in 1970, and he was privileged to select five students each to receive a two-year grant at \$500 per year. The students were D. Clyde Rees at the University of Utah, Karl Kaufman at the University of Chicago, Austin Albert Sartin, Jr. at Southern Methodist, Louis Marincovich at the University of Southern California, and John McCrevey at Rice University.

Increased revenue in 1971 made it possible to increase both the number of students as well as the amount of the grants. The 1971 Honorary Award winner, Dr. Eugene S. Richardson, Curator of Invertebrate Paleontology at Chicago's Field Museum of Natural History, was therefore able to select six students to receive two-year grants each in the amount of \$750 per year. The students selected were James Granath at the Univ. of Illinois, Daniel Yatkola at the University of Wyoming, Rodney C. Ewing at Stanford

(continued next page)

AFMS SCHOLARSHIP FOUNDATION (continued)

University, Ellen Nielson Pike (the first lady to be so honored) at Stanford Univ., John Speer at Virginia Polytech, and John Cisne at the University of Chicago.

For the 1972-73 school year six Foundation grants - each for two years at \$750 per year - have been authorized. The Honorary Award winners selected by the six regional Federations who will choose the institution and student within their respective Federations are as follows:

California Federation: Dr. Richard H. Johns, Professor of Geology and Dean, School of Earth Sciences, at Stanford University.

Eastern Federation: Dr. Cornelius S. Hurlbut, Jr. Professor of Mineralogy, Harvard University.

Midwest Federation: Dr. C. Bertrand Schultz, Regents Professor of Geology, University of Nebraska.

Northwest Federation: Dr. Lloyd William Staples, Professor of Geology, University of Oregon.

Rocky Mountain Federation: Dr. Charles J. Mankin, Director of the School of Geology and Geophysics, University of Oklahoma.

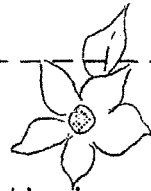
South Central Federation: Dr. Peter T. Flawn, Director, Division of Natural Resources and Environment, and Vice-President for Academic Affairs, Univ. of Texas.

The gradual increase in the amount of the grants since 1965, and the number of students receiving these grants, has been made possible by the constant growth of the Fund and the ever-increasing income that is received from it. The total of the Scholarship contributions as of March 1, 1972, stands at \$123,101.92. With the exception of a few hundred dollars received from outside organizations, the entire amount has been contributed by members and societies of the regional Federations. Nearly 10% of this amount has come from the collection of Betty Crocker coupons which are redeemed by General Mills Products at the rate of $\frac{1}{2}\phi$ per coupon point. LGMC is a 100% club but we can certainly do better than that if we try - some clubs are up to 800%, 1200% and 1600% - so keep those coupons coming in to Helena...every little bit helps as you can see by the preceeding article. Remember, the Fund itself is not used...only the income from it. The larger it becomes, the more it can do - not only once, but time after time as the years go by.

Our hearts were saddened this week by the "Passing of a Pioneer". In his own words, P. C. Parks titled his obituary, and appropriately so, as he was truly "a Pioneer". In tribute to this gentle, loving person many of us knew, we print a portion of a poem by Alfred Tennyson:

...Twilight and evening bell
And after that the dark!
And may there be no sadness of farewell
When I embark.
For though from out our bourne of time and place
The flood may bear me far,
I hope to see my Pilot face to face
When I have crossed the bar

MIDWEST FEDERATION EXECUTIVE COUNCIL MEETING



The MWF Executive Council meeting was held April 8, at Dalton, Illinois. From LGMC it was attended by Roger Pabian, MWF Education Chairman, and Howard Taylor, Nebraska State Director. Prime business was a proposed dues increase to 35¢ per member per year to offset a mounting deficit. The dues increase motion carried and was advanced to be voted on at the Ishpeming Council Meeting.

Lee Kirby, Vice-President, suggested a number of ways the MWF can reduce expenditures, especially in the manner of supply and printed matter distribution. Both the small dues increase and belt-tightening are needed to offset this mounting deficit.

Bob Markert, 1972 Field Trip Convention Chairman, reported that registrations are far short of expectations. Even if registrations are small, there is still a deadline that the Ishpeming hosts must use to make bus arrangements. One can still attend the convention without attending the field trips. If field trip registrations remain unfilled, those not going on the trips may attend the social functions but must register in advance. The cut-off number is still 3,000 for the social events.

Though I intended to leave several days early for Illinois I was forced to depart on Friday because of a bad main-transmission bearing being replaced. I traveled with Ted White of Omaha. We collected at Oskaloosa, Iowa on the way over and found a number of blastoids and crinoids. My prize was a small, very-well-preserved crown of the flexible crinoid Taxocrinus shumardianus.

After the council meeting, we visited the Russell Kemps home and saw their wonderful collection of lapidary and mineral subjects. This was followed by a visit to the Park Forest show where we saw some exceptional jewelry and some of the better fossils of the Mazon Creek area.

The following day was spent collecting Mazon Creek fossils at Pit II of Peabody Coal Company. We saw a number of good friends there - the McNamars, the Carrols, the Shanks, Betty Crawford, and Cal and Harriett George. We found a number of sea cucumbers and clams and some plant remains.

-Roger Pabian

(Thanks Roger, for getting this write-up so quickly after the meeting...get it while it's hot...a good motto.) Ed.

BRAIN FOOD... ~~A pearl is not a gemstone but may be called a gem!!!~~

The world's largest shheelite crystal weighs 13 lbs...found in Korea

Old gem lore taught that cat's eye cured croup and amber the jaundice

Road Map: A book of etiquette showing motorists which fork to use

When driving carry this thought with you: You might be right, but don't be dead right.

With the high cost of living these days a non-working wife is almost a luxury

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

"Old rockhounds never die, "they just petrify"

WHAT IS AN AGATE???

All true agate is chalcedony, but not all chalcedony is agate! Agate is a word that denotes color in pronounced stripes or bands and has nothing specifically to do with a certain kind of chemical. You have heard the term, "agatized coral," "agatized wood", etc., however in most cases, this has no real meaning at all for most of these materials have no layers or bands of different colors. Many rockhounds seem to think if they have agate, carnelian, jasper, and perhaps some flint, or other cryptocrystalline varieties of quartz, that they have about this many different kinds of materials - all different in hardness as well as other qualities. They do not realize that many names of the quartz family gems denote color only and have little to do with chemical composition, other than the coloring agents.

It should be noted that quartz family minerals come in two distinct groups - crystalline and cryptocrystalline, commonly referred to as agate. The crystalline forms include amethyst, citrine, rose quartz, etc. The cryptocrystalline variety in the rough can usually be identified by crescent-shaped surface checks which are particularly noticeable on almost all Montana agate nodules.

Pure chalcedony has a wax-like appearance, usually a dull blue, white or gray in color and seldom used as gem material because of the drab coloring. Other names used are:

- Agate - Chalcedony with colored strips or bands. Fairburn or Dryhead - example
- Carnelian - Flesh-red colored variety of chalcedony that may or may not have bands. Brazilian and Indian carnelian - fine example
- Sard - Orange-red colored variety of chalcedony, similar to carnelian.
- Onyx - Mostly black and white chalcedony in fairly even and straight layers, good examples come from Brazil and Mexico. Used for carved cameos. When the layers are in carnelian and white, it is known as sardonyx.
- Chrysoprase - Translucent apple-green chalcedony. Best examples are from Brazil
- Jasper - Usually a more opaque impure variety of cryptocrystalline quartz. Can be found in about any color. Good examples are Indian Blood Stone and Bruneau Canyon Jasper.
- Flint - Also a quartz-rich material found in gray, brown, black, and occasional pastel colors. The Cliffs of Dover and Flint Ridge, Ohio, yield best specimens.
- Chert - is more or less impure form of flint, usually more brittle. The color is gray, white, yellow, brown, and black. Lake Michigan beaches near Charlevoix, Michigan, have excellent variegated specimens. The geode area of Southern Indiana have a fossilized variety which polishes.

The blue quartz gem that is usually referred to as Chrysocolla is not Chrysocolla but rather Chalcedony stained by copper silicate. The extremely beautiful and desirable chalcedony of Montana which contains the black to red dendrites is chalcedony in which salts of iron or manganese cause tree-like growths. The black and yellow-brown banded variety could rightly be called agate.

- Virgil Gibson, Elkrock News
via Rockpile and The Rockette

(Thought this an interesting reprint for new members and old-timers as well. Ed.)

BITS & PIECES...in polishing aluminum and its alloys apply kerosene to the buff before applying tripoli or rouge.

(Rockhound News & Views via Magic Valley)

MOUNTS FOR SPHERES...car manufacturers place small cups or rings around door handles and window lifts...they are various sizes and colors and they make satisfactory pedestals for spheres - inexpensive, too, if purchased from car wrecking yards. (Pebbles via Magic Valley Gem News)

WALLPAPER MURALS - striking luxury-latest thing in wallpaper - panels depicting cross cut patterns of agates, fire opals and other objects from nature. The effect is striking, so is the price - as much as \$1350 for a 12x23 foot washable mural.(Skagit Gems)

VIA THE GEODE...for slabbing irregular rocks just glue the rock to a square piece of scrap lumber with automotive body repair compound. The wood and rock seal will hold firm with the wood held in the vise and the rock extended. (New wood each time).

TO IMPROVE your tumble polishing use small pieces of styrofoam plastic instead of the hard round little plastic beads. Your polishing agent will do a better and quicker job of it. Those hundreds of polish impregnated little plastic pieces will really put a shine on everything in the tumbler and will have disappeared from sight by end of cycle.(via Rock Ramblings)

BEST WAY TO CLEAN HALITE XLS is in a super-saturated saline solution made of rock salt. Dissolve all the salt you can in hot water, add a lot more. When cool rinse your xls in this solution. (via Pegmatite)

FOUND...record-size LAKE SUPERIOR AGATE - just over 73 lbs., near Barron, Wisc. Complete and unbroken agate node of the mossy type, not waterworn! WOW!!!

UNEARTHED...the first whole dinosaur eggs found in the Western Hemisphere, in a bed of white sandstone sediments laid down about 130 million years ago in Central Utah near Castle Dale. A few shell fragments of dinosaur eggs have been found in Mont. but these in Utah are the first whole eggs. About 3 ins. in diameter and 5 ins. long.
via Pegmatite)

A FUNNY...People who have no trouble separating the men from the boys are called "women"!!!(True? True. Ed.)

DID YOU KNOW...our earth is not a sphere but an Oblate spheroid, bulging at the equator and flattened at the poles! The diameter of the earth at the equator is 7,926.677 miles. The diameter from pole to pole is 7,899.988 miles. The circumference at the equator is 24,902 miles and through the poles is 24,860 miles. The earth weighs 6,000,000,000,000,000,000,000,000 tons!!! The highest point is Mt. Everest - 29,141 ft. The greatest indentation occurs in the Pacific Ocean -35,430 ft. (Some world!)(Serendipity Gems)

NEW LAW...Under the Williams-Steiger Occupational Safety and Health Act of 1970, passed by the United States Congress, it is now Federal Law that ALL persons who enter any quarry or mine in the U.S. MUST wear a hard hat and safety glasses. A hard hat and safety glasses or goggles must now be considered part of a rockhound's basic tools, not as something we can get along without. These items are a MUST on the MWF Field Trip Convention at Ishpeming this summer. (Remember...no gear, no go.ED)

AND HERE IS THE 'FUNNY' OF THE MONTH... A man who had reached the age of 100 was being interviewed on TV: "Mr. Jones", began the announcer, "How do you account for your longevity? How have you managed to live so long?" "Toadstools," was the reply. "Really?" "Yup", said Mr. Jones, "Never ate 'em"! (via Golden Spike News)

SILICONE TREATED TISSUES FOR cleaning eyeglasses do a great job of removing fingerprints from polished stones.
(Rock Rambl'gs & T Town Rockhound & Geode)

Carpenter nails make good dop sticks for small cabs. Wrap the pointed end with tape for a better grip. By dopping your fiery chips of opal, the head of the nail can be used as a guide for round, uniform sized cabs, ideal to use for tie tacks, earposts, etc. (via The Hammer & Geode)

Only men can call a 50 mile hike physical fitness, women call it shopping!
(via Sugarloaf Rumlblings)

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

REGULAR MEETINGS: 4th Saturday of the month, 7:30 PM, September through May
W. O. W. Bldg., 732 S. 27th St., Lincoln, Nebraska

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American Federation of Mineralogical Societies (AFMS)
Nebraska State Association of Earth Science Clubs, Inc. (NAOESCI)
Community Arts Council of Lincoln (CAC)

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The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various Earth Sciences including but not necessarily limited to geology, paleontology, and mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, particularly youth and student groups.

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

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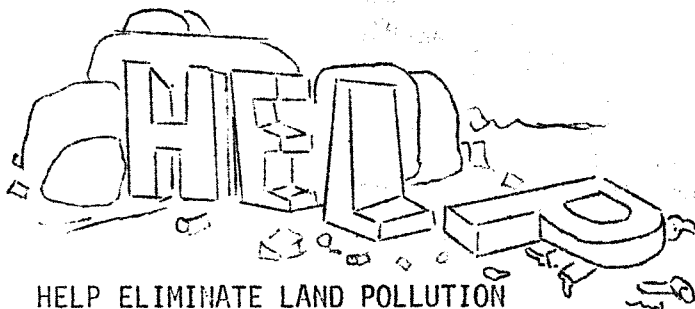


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June 13-16 Lincoln, Nebr.

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LINCOLN GEM & MINERAL CLUB ANNUAL SHOW, May 12-14, 1972, Fairgrounds, Lincoln, Nebr.
NEBRASKA STATE SHOW - April 13-16, 1972, Hastings, Nebraska
MWF FIELD TRIP CONVENTION - July 20-24, 1972, Ishpeming, Michigan
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