

THE PICK & SHOVEL



FEBRUARY

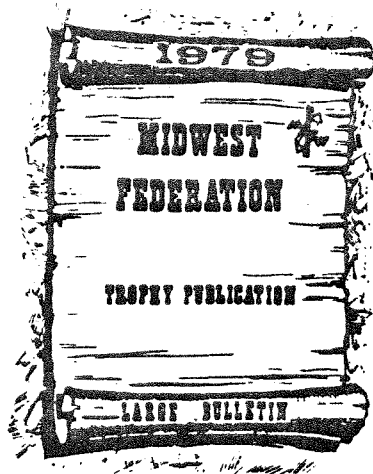
1982

highlights

*in
this issue...*

THE AMERICAN FEDERATION
"Code of Ethics"

FLOODS and MUD SLIDES



OFFICIAL PUBLICATION OF

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505

LINCOLN GEM AND MINERAL CLUB, INC.
P.O. BOX 5342, Lincoln, NE. 68505-0342

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: American Federation of Mineralogical Societies (AFMS)
Midwest Federation of Mineralogical and Geological Societies (MWF)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Nebraska Academy of Sciences (NAS)
Community Arts Council of Lincoln (CAC)

Regular Meetings: 4th Saturday of the month, September thru May; 7:30 P.M.
At Nebraska Center, 33rd & Holdrege

1982 ELECTED OFFICERS:

President.....	Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
1st Vice Pres...	Howard Taylor, Jr.	910 New Hampshire	Lincoln, 68508	476-3707
2nd Vice Pres...	Glenn Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Secretary.....	Nelda Oliver	5700 Otoe	Lincoln, 68506	489-5222
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	John Abel	2829 Van Dorn	Lincoln, 68502	423-7654
Board Member....	Florence Boring	2836 S. 40th St.	Lincoln, 68506	488-6243
Board Member....	Irl Everett	2945 N. 65th St.	Lincoln, 68507	466-6204
Board Member....	Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032

Nominating Committee--3 years: Vera Lyman, Frank Rule
2 years: Marie Taylor, Jim Parks
1 year: Bob Walker, Irl Everett

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Nelda Oliver, John Harrison 3 years - Howard Taylor, Marie Taylor
2 years - Jim Parks, Phyllis Parks

STANDING COMMITTEE CHAIRPEOPLE:

Programs.....	Howard Taylor	1982 Show.....	Vera Lyman
Education.....	Ray Lambert	Liaison/Calling....	Marie Taylor
Hospitality.....	Bob & Mary Walker	Refreshments/Party...	Marj Heedick
Historian.....	John & Lillie Lewis	Scholarships.....	Howard Taylor
Librarian.....	Jim Parks	Outside Displays.....	Frank Rule
Membership.....	Mary Lambert	Housing/Property....	Bruce Simon
Field Trips/Safety..	John Abel	Publications.....	G & F Litzenberg
Sunshine Corner....	Susan Taylor	Junior Activities...	Mary Walker
NAOESCI Reporter...	Vera Lyman	Auditing Comm. 1981..	John Abel, Chairman Ray Lambert & Bruce Simon

PICK & SHOVEL STAFF:

Chairman: Glen Litzenberg

Editor.....Vera Lyman, 420 N. 56th St. Lincoln, NE 68504
Circulation...Glen & Flossie Litzenberg
Club News....Helena Baegl
Sunshine.....Susan Taylor

DEADLINE: 1st of Month of Issue. Original articles may be reprinted if credit is given the author and THE PICK & SHOVEL and a copy of the publication is sent to the Editor.



FEBRUARY



GENERAL MEETING: Saturday, February 27, 1982 7:30 P.M.
 Nebr. Center for Continuing Education
 33rd & Holdrege Lincoln, NE
 Norfolk Room

Parking available north of building

BOARD MEETING: Thursday, March 4, 1982, 7:30 P.M.
 AMERICAN CHARTER Bldg.
 6120 Havelock Ave.

JUNIOR MEETING: Please watch the March issue of the
 Pick & Shovel for new dates and time.

JUNIORS - Plan to attend

* * * * *

ANNUAL CLUB SHOW: Lincoln Gem & Mineral Club
 March 27 & 28, 1982
 Agricultural Hall, State Fairgrounds
 Lincoln, NE

OTHER SHOWS: March 5-7
 Kansas City, Mo.
 Association of Earth Science Clubs of Greater KC

March 20-21
Cedar Rapids, Iowa
Cedar Valley Rocks & Mineral Society

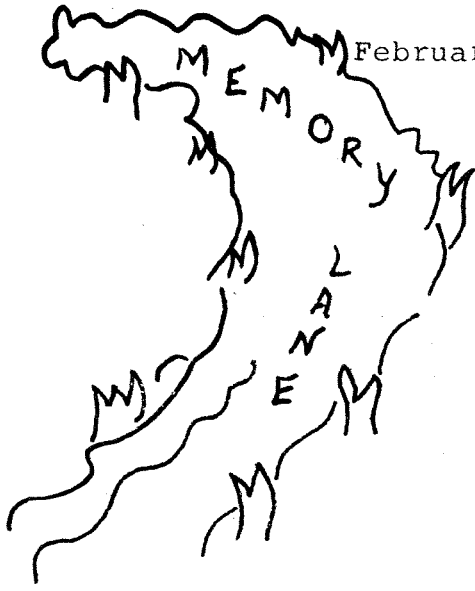
May 7-9 (STATE SHOW)
Hastings, Ne.
Central Nebraska Rock & Mineral Society

May 29-30
Hot Springs, S.D.
Picture City Gem & Mineral Club

October 16-17
Grand Island, Ne.
Grand Island Earth Science Society, Inc.

REMEMBER THE THING TO DO IN '82 IS THE MWF GEM
AND MINERAL SHOW JUNE 24-27, 1982,
ST. PAUL, MINNESOTA

HISTORY - "Ten and Twenty Years Ago"



February 1972 . . . LG&MC club members and guests met at the WOW Bldg. and enjoyed a program on "Fossils" given by Karen Kreycik and Charles Messenger. The Pick & Shovel cover was given a new look, with Pappy Waddle doing much of the art work. The 1974 National Show date was also added to it.

Ten club members were sent thanks for donating cabochons for the Silver Anniversary Party of the American Federation of Mineralogical Societies. The cabs were to be presented to the Smithsonian Hall of Gems to commemorate the event.

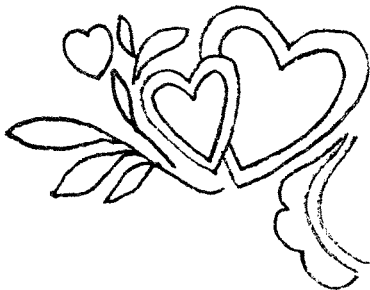
Dr. Neihardt's famous "Black Elk Speaks" will soon be coming out in colored pocketbook form--reported by Florence Borning.

February 1962 . . . Mrs. Kenneth Dodge showed slides of her trip to Europe and the marble quarries in Italy to 52 members and guests at the meeting in the Roberts Dairy Party Room.

Plans were made to enter a competitive exhibit in the Midwest Federation Show at Des Moines, Iowa. The case will contain a map of the United States and polished cabochons will be mounted in the locations where they are found.

* * * * *

GREETINGS FROM THE SUNSHINE CORNER



Inspiration is like a gift of morning sunlight to the spirit. To be inspired is to be reawakened to the miracle of being, to be made suddenly more aware of the beauty that surrounds us, to be filled as never before with the day-to-day wonder of living in a world that shines with hope.

Get Well cards have been sent to Mrs. Ewald Paul and Mr. C. Ray Waddle.

Heard through the grape vine that Mac McGinnis was hospitalized in Blythe, California - he should be out and enjoying the warm sunshine in Arizona before this gets printed!



Suze Sunshine



THE PRESIDENT'S MESSAGE

Public television carries some excellent programs dealing with various earth science topics. I most highly recommend viewing "Life on Earth" for good paleontological information. The program relates many modern animal and plant species to their fossil ancestors. "Odyssey", "NOVA", and "National Geographic" specials often deal with earth science topics such as gold, plate tectonics, dinosaurs, gems, and minerals. It can be rewarding for the rockhound to check out the offerings of public television.

The show appears to be shaping up very well. All members are encouraged to exhibit and take part in this event, I would like to encourage especially the beginning collectors and cutters to display. Show visitors should be able to view the entire range of the hobby, from novice to advanced stages. Exhibits of highly advanced collections may be beautiful to look at, but they do little to encourage new comers into the hobby. A new member may be more encouraged by a display put in by a collector or cutter of only a year or two of experience as that does not appear to be something that is out of reach. At the same time, I would like to encourage the advanced collectors to free up some of their old Wichita cases for the use of new members who have not yet had the chance to get their own display cases.

Dopping stones is often an area that many cutters do not understand. There are some easy ways to dop a stone. I use an old electric skillet and a sardine can with some dop wax in it. The electric skillet enables one to heat the stone very slowly, reducing the danger of breakage to almost nil. The wax heats up at the same time. By the time that the wax is melted and the stone is hot, both are at about the same temperature. The dop sticks should be cut such that the ends are square with the length. This can be done with a small power saw or in a miter box. The end of the dop stick should be placed on the skillet to heat at the same time as the wax and the stone. This eliminates any great temperature differential between the three media---Stick, wax, and stone. The dop stick should be a millimeter or two smaller than the narrow dimension of the stone. A 25 x 18 stone should be dopped on about a 16 mm (5/8 inch) stick, and so on. The tip of the stick should be dipped in the hot wax, picking up enough wax to just cover the end of the stick. The waxed end of the stick should be pressed on the stone and a small bead of wax, about 1/4 of a millimeter in diameter should form. Excess wax does not add to the strength of the dopping job. Several kinds of waxes are really necessary. The green wax that holds softer stones such as agate does not have nearly enough strength to hold a hard, tough star sapphire, or some varieties of jade. The stone may be removed in a few minutes in the freezer.

Some cutters use super glues on steel nails for dop sticks. Although this holds the stone very tightly, I find the metal surface very uncomfortable to hold and find that my fingers are often sore afterwards because the steel does not absorb the shock. This is especially true when diamond grinders are used.

Heat sensitive stones such as opals can be dopped by using a water soluble glue such as Elmer's on the end of the dop stick. The glue must be allowed several days to dry. The stone can be removed by soaking it in water for a day or two.

Will see you all at the February meeting.

Roger Pabian
President

Happy Valentine's Day

During the past year as Editor, I've learned a great deal; and it seems there's some little thing I learn new each day. Now the Board is giving me another opportunity to learn even more. They have granted me tuition for a non-credit course in Newsletter writing, editing, etc. It is a 3-evening course, two hours per evening. I am certainly looking forward to this learning experience and wish to express my special THANKS to the Board for this opportunity.

Also during the past year, I've learned the definition of "Exchange Bulletin"! Where on earth do you think we Editors get some of our good hints, ideas, and even some articles?

Here is one article in particular that I would like to share with all of you. I hope you'll read it carefully and give it a serious thought or two.

EDITORIAL COMMENT

Ever ask yourself why you joined a certain club or organization? If you're into Lapidary or the Earth Sciences, you probably joined:

- (1) To meet & associate with people of mutual interests and/or
- (2) To further your knowledge in the subject interest offered by the club.

Those may be good reasons, however, you must also take into account that a club/organization is only as good as its members make it!

If the majority of the members allow the same workers to continually 'take command' there can be no growth. It's the interchange of ideas involving all members that bring changes, (good or bad), enabling the good to win out.

Progress is change and can only come about if EVERYONE contributes input of opinions, thoughts, & ideas.

A club/organization that stagnates, loses stature & eventually, its membership.

When program meetings outnumber business meetings, its an indication that the general membership is taking more than giving.

Another barometer of the health of a club is its bulletin, the collective reflection of the editor, the club members, and subscribers. One cannot work without the other.

Where are the articles - items - ideas of the general membership? Why must it be necessary to constantly "lift" these things from others' bulletins? Have we no originality?

Surely some of you have taken trips recently. How about sharing your experiences with us? Is there some problem you've encountered concerning lapidary, metalwork, or other 'shop' problem where you need answers? USE YOUR BULLETIN. Jot it down - send or give it to your editor. We'll get the question printed

- continued

EDITOR'S PAGE - continued

and possibly get some knowledgeable person interested enough to send us a solution to your problem.

There are so many possibilities and ways to assist your editor in putting out an informative, interesting bulletin, all our subscribers can enjoy.

If you're afraid your grammar or spelling isn't correct, don't worry, we'll edit the material for you.

COOPERATION IS THE WORD. Should you feel you'd prefer having just a postcard informing you of the meetings, that's okay too.

If not, get off your collective duffs and do something!! I'm sure you do not want the opinionated viewpoint of one person (the editor) reflected in every single edition of the bulletin.

Remember, I want this bulletin to reflect the news - views - comments of The Lincoln Gem & Mineral Club, which is YOU.

- via The Template, Feb. '82

PLEASE THINK ABOUT IT, WON'T YOU!

* * * * *

Welcome - - NEW MEMBERS:

Geoffrey and Miriam Mumby
1800 East Manor Drive 68506
489-1800

INCORRECT ADDRESS:

James L. Stewart
1339 Eastridge Dr. (not 1331) 68510
489-2867

oops! *oops!* *oops!*

* * * * *

MISSING!

In the January issue of the Pick & Shovel, some of the copies went into the mail with pages 7-8 missing! I hope it was not your copy! If it was, you will find that missing page in the very back of this issue. Thank You for your understanding.

Your Editor

This particular article is a month late, but I felt it still deserved all the space necessary for print. I'm really happy to report that Helena is going to assume the position as our Reporter on "Club Happenings" again. My special "THANKS", Helena, and the best of health and happiness to you.

A GOOD AND HAPPY 1982 TO ALL WHO READ THESE PRESENTS:

The Rev. Pfeiffers spent Christmas with a daughter and family in Chicago, for a lovely holiday.

John and Lillie Lewis had family for Christmas holidays, including John's sister from Kansas City. All their guests arrived home safely in spite of the weather. John and Lillie observed their 39th Wedding Anniversary on Jan. 16. We wish you many more.

Grant Quinn slipped on some icy steps, Saturday, Jan. 2, and broke two ribs. He is on the mend, although has to sleep sitting up. Sorry, Grant. Better hang onto the railing henceforth.

Which reminds me; Grant will be teaching the Lapidary classes again beginning Monday, Jan. 18th, and Wed. Jan. 20th, at Auld Center, 3140 Sumner Street. The Sunday Supplement giving information on classes was not explicit. Anyone interested in taking the Lapidary class can telephone 475-5170 to register.

Howard Taylor has hung up his ladders and cleaned his paint brushes for the last time, and joined those of us in retirement. He and Marie left Jan. 2nd for Quartzite, Arizona. Susan went along for two weeks vacation. They had rather bad traveling the first 2 days, but got there O.K. Their address: Rocking D H, Box 2806, Quartzite, AR. 85346. Frank Rule went too, thus forming a short convoy. His address could be the same. How wonderful it must be down there, while we shiver in bitter cold up here, and worry about our ever-increasing gas bills! They will be home in good time for the marriage of son Howard, Jr., which is set for March 20 at Holy Trinity Church.

It was nice to see the Sincebaughs at the November meeting, after we determined it really was Ray behind that beard! Come again, folks.

Gary Heedick's wife Jenny broke her leg falling in icy snow a couple of weeks ago, and Marj has been up in Fremont looking after them.

Tom and Caroline Simmons left recently "just heading down south" and 'lowed as mebbe they'd end up at Quartzite, too. Lucky people!

Your reporter stayed home, entertaining dinner guests on Christmas Day and again on New Year's Day. Baked a turkey, with all the trimmin's and even had plum pudding with rum sauce. It only happens once a year, but how enjoyable.

Again: HAPPY NEW YEAR!

--Helena

FLOODS and MUD SLIDES

Weather is always a popular topic, and as every person knows, "nothing is ever done about it." Calamities in the San Francisco and the Santa Cruz vicinities have featured California news since early January, 1982. Diverse opinions have been given about the causes, effects and future possibilities for similar catastrophes. Many of these are scientific, while others are mere conjecture.

Some readers may have had friends or relatives involved. Our youngest son, David, and his wife returned safely, just ahead of the worst of the storm, to Santa Barbara from a convention in San Francisco. One of David's sons, Ben, is a college student in Santa Cruz. Like many others he was only inconvenienced. We have visited this area twice, and by experience we know some of California's year-round weather vagaries.

In July, 1959 while touring south from San Jose, we barely escaped a sudden, dense fog of almost zero visibility. It came rolling toward us as we neared Santa Cruz. Our older son, Don, the driver quickly reversed our course and headed back north toward San Jose. There are several kinds of fog, and we knew that one would not be one of our favorites.

In early December, 1964, (my 1st year of retirement) Myrtle and I endured almost continual rain from Seattle, Washington to Santa Barbara. The route was mostly on Hy. 101, and also on Hy.1 which hugs the Pacific Ocean coast shoreline, up-down-in-and-out.

Even the Big Sur campgrounds were nearly deserted; some parts of the highways were closed immediately after our passage. Fortunately a freak day of sunshine permitted two gorgeous local bus-trips to the top of the famed Hurst Castle near San Simeon. We took both the upper and the lower level trips to the top. Some readers may be familiar with this difference.

So, what happened in early 1982, weather-speaking, was not entirely unusual. An unbelievably heavy and prolonged down-pour occurred over potentially unsafe geological territory. People had built homes in attractive, scenic, secluded but hazardous spots that just could not handle the enormous amount of water. Santa Cruz County received 15 inches of rain in November, 1981. On January 4, 1982 it got more than that of September through December in 1980. Things were building up to a grand crescendo!

News accounts of warnings received by the victims are not clear. Some forecasters were taken by surprise, and some were unheeded until too late, as often is the case. People are inclined to be that way. The sites and sights were so attractive. As early as twenty years ago articles about the potential dangers in such areas were published.

The reasons for the devastated places being so vulnerable to flood and mud-slide dangers have been known to geologists. More

FLOODS and MUD SLIDES - continued

than seventy years ago my rural school-teacher told her small geography class something that I remember well. She said, "The Pacific Coast is rising and the Atlantic coast is sinking; that is one reason why the west coast has few good harbors." She probably knew nothing about "plate tectonics", but I think she must have been a female seer. (She was worth much more than her pitiful stipend - bless her!)

It seems that Santa Cruz County hills were once under the Pacific Ocean. A recent issue of the San Jose Mercury News describes some of the area. Loose sandstone covers layers of sandy loam, shale and harder sandstone. Water soaking through upper layers runs in sheets down the steep slopes. This lubricates the soil layers below. The weathered rock is weak enough to slide, engulfing as it did several homes and killing a number of occupants.

Heavy logging and other activities had removed much protective timber cover, the roots of which had held the unstable soil in place on the steep slopes. The Love Creek slide was said to have moved 22 million cubic yards of soil and debris about a half-mile down the 1400 foot high mountain in less than ten minutes; this engulfed everything in its path, including 7 of 8 different homes. Love Creek was partially dammed and the highway covered.

There is concern for the safety of hundreds of other homes situated dangerously on even more unstable slopes. Normally heavy rainfall may be quickly absorbed, but there is a critical limit after the soil has reached saturation. Its weight may increase about 30 percent, and the slide could occur. Some of the recent victims probably knew of the risks involved, but were not enough impressed. The danger has not ended in the area or in others.

In Nebraska we do not have the same risks that plague the west coast, but we do have cloudbursts, and floods caused by heavy snow and ice melts damming our streams. Our current winter has such possibilities, and certain points will bear close watching. Dams, riprap and levees are not 100% sure protection. Run-off can be so great that they prove inadequate.

The most picturesque and attractive building site may not be a safe one, and it is well to be cautious. Choose that "dream home" carefully, and investigate its geological background!

- Submitted by J. D. Young

* * * * *

In some countries the natives practice the strange custom of beating the ground with hatchet-like clubs & occasionally uttering blood-curdling cries. Anthropologists call this a form of primitive self-expression. In our society its called, "Rock Hunting".

- via The Template; Dec. '81



VALENTINE'S DAY

Valentine's Day falls on the feast day of two different Christian martyrs named Saint Valentine although oddly enough the customs associated with the day have nothing to do with the lives of the saints. The feast day of Saint Valentine, martyred 270 A.D. falls on February 14.

It is believed that the customs of Valentine's Day came from the ancient Roman Festival of Lupercalia which took place on February 15. The festival honored Juno the Roman Goddess of women and marriage and Pan the God of nature. The Romans celebrated their feast as a lover's festival for young people. Young men and women drew names of partners from a box and the partners exchanged gifts as a sign of affection.

With the spread of Christianity the festival remained but was celebrated in the name of the church as St. Valentine's Day, being first proclaimed by Pope Gelasius in 496 A.D.

St. Valentine's Day was observed in England as early as 1446. The holiday became popular in America in the 1800's. At early Valentine parties young gentlemen would draw the names of eligible spinsters, written on red paper hearts, from a hat, to determine partners. Then he could pin the slip of paper to his shirt sleeve where it sometimes would remain for several days. That's probably where the expression, "He wears his heart on his sleeve," comes from.

Valentine's Day today varies little from tradition for this is the day Cupid reigns supreme and people remember loved ones with greetings and gifts.

* * * * *



RATE INCREASES

Due to the rising cost of postage, the cost of Mail Subscriptions for the Pick & Shovel will be increased to \$5.00 annually.

Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance.

1/2 page \$7.50, 1/3 page \$5.00, 1/4 page \$3.75 (minimum). These rates become effective March 1, 1982.

If you wish to subscribe to Pick & Shovel or to place an Ad; please notify the Editor.

* * * * *

IF YOU TELL THE TRUTH YOU DON'T HAVE TO REMEMBER ANYTHING.

- Mark Twain

HOME MOVIES AS VIEWED BY A FOUR-YEAR-OLD

The following is a portion of a letter written by Myrtle Young to Florence Boring January 2, 1982. Florence and her family got so much amusement from the reactions of Myrtle and J.D.'s four-year-old Great grandson Karl that she asked Myrtle's permission to share it. Kay is the Young's daughter--Karl's grandmother.

"We had everyone over for Christmas night--Dec. 25--for desserts, only--easiest Christmas ever--J.D. and I surprised the guests with home movies of when our children were little (Kay was two years old) and when Kay's boys were babies, and so on.

"I have come to the conclusion that 'home movies' are appreciated in direct ratio to age. J.D. and I had two marvelous evenings prior to Dec. 25 running off reel after reel and laughing and thoroughly enjoying ourselves."

This was Karl's (age four) first brush with home movies. He watched Grandma Kay (then two years) playing in her back yard paddle pool, catch her big white rabbit, swing her pet chicken, whirling him until he staggered off when set free. Karl got up and went back to J.D., manning the projector. "Grandpa" he said, "do you know your sound track must be off? I don't hear any voices."

All of it was a bit much for Karl. I don't think it had ever dawned on him that all the adults in his life had once been little babies, ever! It is difficult now to travel back about 20 some years to Uncle Ron, robust and huge--230 lbs.--and see him at about one year in his crib, hunting among a welter of soft toys--'Ah, there it is!' --his beloved baby bottle. He holds it aloft for a refill, beaming triumphantly.

Then a showing of birthday parties for Karl's dad, his third and fourth. The aunts, the uncles, the grandparents, Hinkleys and Youngs, and then the parents of the grandparents even. Flash of faces, names called out--'See, Karl, see!'

We 'old ones' saying how glad we are we have these records of the great, great grands for these great grandchildren to see--Bryan is twelve and Willie is seven. Bryan laughed at his own dad, Kim, a teenager with a crew cut, and at the all-encompassing bathing suits for men and boys, complete with chests and backs incased, with shoulder straps yet! Other oddities of the times--Women's clothing and hair-dos, etc.

But Karl made another trip back to the projector to consult with grandpa J.D. "Grandpa" he asked, "could you please change channels? I think this show is too old for me."

"Bless him! We feel so privileged to live in the same town with Karl in these precious years for a great grandchild, and for us, the 'listeners in,' on his growing up."

- submitted by Florence Boring

LAST MONTH:

The Lincoln Gem & Mineral Club held their annual Mid-winter Swap in conjunction with the General Meeting.

Mother Nature did not co-operate too well concerning weather conditions. It was very cold and roads in poor condition.

Swap attendance during the day was poor; but evening attendance for the regular meeting was good.

An excellent program on "Copper Country" was presented by Mr. & Mrs. Hal Horak of Omaha. (Nebraska Gem & Mineral Club) It was very interesting and we extend our special Thanks to Hal and Maxine.

The Horak's also presented a very special copper specimen for door prize. The winner of that prize was Vivian Johnson. Congratulations!

Kaye Young, who was also a guest, announced the Special Encounter on Feb. 6, 1:30 P.M., regarding "Rocks and Minerals". The Encounter Center is located in Morrill Hall.

The Club also voted to have the entire membership receive the Gem Palette this year.

Guests at our January Swap and Meeting were:

- Tintin Hsu - Journalism student from Taiwan
- Margaret Reist
- Hal & Maxine Horak
- Paula & Sy Matusiak
- Bill Morton
- Bob Wright
- Kaye Young

* * * * *

HOW LONG DOES LITTER LAST.....

(Estimates)

- Aluminum cans and tabs...80-100 yrs.
- Leather.....40-50 yrs.
- Plastic film.....20-30 yrs.
- Wool socks.....1-5 yrs.
- Vibram soles.....50-80 yrs.
- Nylon fabrics.....30-40 yrs.
- Plastic coated paper.....5 yrs.
- Orange peel.....1 wk.-5mo.



IT'S EVERYONE'S AMERICA!
LET'S KEEP IT BEAUTIFUL!

So you see, it does make a difference what you throw away! But don't litter at all--some of those things will be around a long, long time before they disintegrate.

- via Loup Scoop, Feb. '82



THE AMERICAN FEDERATION "Code of Ethics"

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind--fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material--matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks, or other water supply.
- I will cause no willful damage to collecting material and will take home only what I can reasonable use.
- I will support the Rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field-trip leaders and those in designated authority in all collecting areas.
- I will report to my club or Federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use "Good Outdoor Manners", and will at all times conduct myself in a manner which will add to the stature and Public "Image" of rockhounds everywhere.

Your 1982 Regional Show Schedule

Here are the dates and locations of the six regional Shows in 1982. Note the National Show and Convention will be held in Houston, Texas in conjunction with the South Central Federation July 8-11, 1982.

CALIFORNIA Long Beach, California Aug. 28-30	EASTERN Pittsburgh, Pennsylvania June 18-20	MIDWEST St. Paul, Minnesota June 24-27	NORTHWEST Pocatello, Idaho Aug. 20-22	ROCKY MOUNTAIN Denver, Colorado Sept. 17-19	SOUTH CENTRAL AFMS SHOW Houston, Texas July 8-11
---	--	---	--	--	--



Show Report

It's almost that time again! ANNUAL SHOW TIME!

All the Chairpersons have been working very diligently to help make this another success for LG&MC.

You will be asked by one or more of the Chairpersons for assistance before or during the Show. Please co-operate with them and help wherever you can. It is only for a short week-end and then you can rest until the next Show.

Some of us no doubt serve on many committees, doing three or four different tasks, so your help will be greatly appreciated.

Remember, it is for a worthy cause and you can take pride in the fact you helped make OUR show a success.

"sUccess" cannot be spelled without 'U' (YOU)! Please help when asked.

This year's Show will feature 12 retail and 2 wholesale dealers, including some who have participated in our past shows, and several others who are participating in one of our Shows for the first time.

A variety of working demonstrations will be present at our show, displaying different parts of our hobby. These are always an interesting part of a show to the "pros" of the hobby or the newest of "rockhounds".

One of the special features of our show this year will be a display by Mr. & Mrs. Hal Horak of the Nebraska Gem & Mineral Club in Omaha. These and other displays should prove to be very interesting.

I hope that many of our own club members as well as other 'rockhounds' from many other clubs are planning on displays which will include jewelry, silversmithing, lapidary, slabs, minerals, fossils and artifacts. Your own personal displays exhibited at the show are what make it a success.

We are looking forward to your exhibits and your presence at the Show.

Food service will be available in the show building. Camping will be available on the show grounds on a fee basis per day with or without electricity.

- Vera Lyman, Show Chairman





FIRST - I think there will be some new and exciting activities for you this year at your Junior Meetings. So be sure to watch for any announcements in the next issue of the Pick & Shovel.

Did you know...?

AIR MAKES IT COMFORTABLE:

(UPI) If the Earth had no atmosphere, the temperature on the surface of the planet would reach 176 degrees at the equator in the daytime, and 220 degrees below zero at night.

- via The Lincoln Star 3-23-81

* * * * *

That during the past year, or so, the resident Dinosaurs (Brontosaurus) at several museums had their heads cut off and that most other museums will do so in the future? It all came about back in 1879 when a wrong guess was made.

In the latter part of the 1800's there were two Paleontologists, one in the East and one in the West, who were trying to outdo each other in the number of prehistoric fossil remains they could find and name. In 1879 the first Brontosaurus skeleton was found in the west, but the head was missing. A skull was found 400 miles away and assumed to be the missing skull. It took 100 years to discover the error. The error is being corrected and the Brontosaurus is getting a head transplant with his own head.

It is doubtful if the Brontosaurus looks any better or feels any different, and it is a safe bet that he doesn't even care or give a hoot. I am sure that if his mother should see him, she would be pleased and would still think he was beautiful.

- By Martin Feil from Ozark Earth Science News

- via Pick & Chisel; 2-82

* * * * *

WORD SCRAMBLE

1. a h i m c a e t l
2. e l o s b o n t o d
3. y l o r h a c o c l s
4. e d o i s a t l
5. w e t o r s u q i
6. h s r a c p o r e s y
7. d o w o e t p r f i d e i
8. g i t r e y e e
9. e d j a
10. l p a o

- via G I Nugget, 1-82

The LINCOLN



GEM & MINERAL CLUB, INC.
invites you to attend the

24th ANNUAL 1982 Gem & Mineral Show

MARCH 27 - 28, 1982

Agricultural Hall - Nebraska State Fairgrounds

GEM, MINERAL, JEWELRY & FOSSIL DISPLAYS

WORKING DEMONSTRATIONS, PROGRAMS

Gems - Minerals - Fossils - Jewelry & Lapidary Supplies
for Sale from the following Dealers :

Phil & Joni Andrist
Custom Gems Inc.
Eagle Rock Shop
Everett Lapidary
Flying Pan Minerals
Geodon Agates
Interstate Lapidary

JJ&L Rocks & Mineral
Lentz Lapidary
Morris Lapidary
Platte Valley Rock Shop
Richter Rock Shop
Uncle Tom's Rock Shop
Wicks Lapidary

SHOW HOURS -

SATURDAY, MARCH 27 - 9:00am to 9:00pm

SUNDAY, MARCH 28 - 9:00am to 5:00pm

Admission: Adults.....\$1.00
Children..... .50, under 6 FREE with an Adult

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. BETTE Smith, 10607 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

PRESIDENT
LARRY MAKOJSKI
22757 Redwood Dr.
Richton Park, IL 60471

1st VICE-PRESIDENT
MRS. DIANE DARE
747 E. Blackford Ave.
Evansville, IN 47713

2nd VICE-PRESIDENT
REX WEBB
2600 W. 87½ St.
Bloomington, MN 55431

SECRETARY
MISS JEAN REYNOLDS
107 Tuttle Ave.
Clarendon Hills, IL 60514

TREASURER
WILLIAM PARCH
P.O. Box 180
Fountain City, WI 54629



FEBRUARY 1982 -- Issue No. 221



The CAPITAL CITY GEM & MINERAL CLUB of Frankfort, Kentucky.

This new club meets the third Monday of each month at 7:30 p.m. at the East Frankfort Branch, Farmers Bank in Frankfort.

The President is ANN AMITH, 341 Senate Drive, Frankfort, Kentucky 40601.

The Kentucky Agate is the Club Bulletin.

+++++

The BRUKNER CENTER GEM & MINERAL CLUB of Troy, Ohio.

They meet the first Thursday of the month at 7:00 p.m. at Brukner Nature Center, Troy, Ohio.

President Richard Swearingem lives at 7525 East Ross Road, New Carlisle, Ohio 45344.

The Club Bulletin is the Brukner Rockette.

Submitted by MARY EDWARDS, Membership chairman

OUR HOBBY - ALL OF IT.

Have you ever really noticed the name of our Federation? It's "Midwest Federation of Mineralogical and Geological Societies". That covers a lot of ground!

Lapidary - jewelry and gems - is what usually attracts viewers, non-rockhounds, at our shows. Admittedly, this is a very "showy" area. The interested non-rockhound sees the next column please

beautiful lapidary work, watches the demonstrations, maybe even tries his hand at it at the show, and visits the dealers to see the rough gems. Then...he learns how much all that equipment would cost, and decides to "forget it."

Please - remember that there ARE other areas of this hobby, ones that can be just as exciting, that don't cost a lot of money (at least not at the start). Encourage prospective members to explore the many facets of earth science that our clubs can open up to them.

DIANE DARE, 1st Vice-President

Important shows coming

1982

The Minnesota Mineral Club will sponsor the MWF Show and Convention, June 24-27, 1982. The show will be held in 2 adjoining buildings on the Minnesota State Fairgrounds in St. Paul, Minnesota.

Besides the Show and Convention, there will be field trips both during and the week following the show. Also, an Agate Stampede co-sponsored by the Minnesota Mineral Club and the Carlton County Gem & Mineral Club.

Special displays from several museums have already been arranged for. Also, an interesting display will be a computer used to identify minerals.

Plan now to attend, bring the family and make it an enjoyable vacation in Minnesota.

PAULINE RICHARDSON, Publicity Chairman

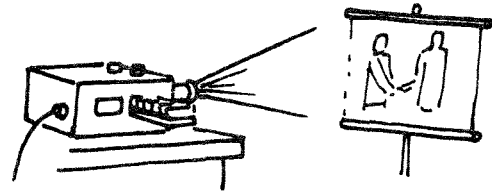
1983

Yes, there really is a Kalamazoo, and it's the place to be in '83! The Kalamazoo Geological & Mineral Society will host the 1983 MWF Show and Convention, July 14-17, next page please----

at the Kalamazoo County Center and Fairgrounds, 2900 Lake Street, Kalamazoo, Michigan. The theme will be "Gem and Minerals of the Midwest".

There will be both competitive and non-competitive display cases, working demonstrations, programs, silent auctions and numerous special events. Wholesale and retail dealers will be in separate display halls.

For further information contact Show Chairman KITTY STARBUCK, 7636 V Avenue East, Vicksburg, Michigan 49097.



THE MAKING OF MANKIND

by RICHARD E. LEAKEY

Anthropologist RICHARD LEAKEY describes some of his own finds in this lavishly illustrated and lucidly written book.

LEAKEY declares fossils are essential to the understanding of man's origins but continues that bones are not enough. We need to know what they did, when they arrived and when and why they departed.

To learn more on these matters scientists have recently studied the tribesmen of the Kalahari who live much as early man did, sharing meat from the hunt, foraging for vegetables.

This book, THE MAKING OF MANKIND, explains what we know about our origins, "that species do change and have changed as a result of evolution..."

At the MWF Executive Committee Meeting November 7 in Evansville, Indiana, JIM RUSSELL, Chairman of the 1981 Show and Convention in South Bend, Indiana, gave a check for \$1500 to the MWF out of the profits of the Show.

TAKE YOUR MINERALS -- NOT QUITE

Doctors have said that iron, zinc and potassium are essential to our well being. Magnesium and barium are used when we don't feel well. Lead, chrome and copper are considered toxic when injected. Now a University of Wisconsin researcher says aluminum, retained in the body from antacids, and common tea, can cause senility and --- (I forgot) --- oh yes, let's not lose our marbles during the best years.

JOHN BOLAND, MWF Environment Committee Member

JOHN BOLAND, has been named MWF representative on the AFMS Conservation and Legislative Committee chaired by KEN ZAHN.

NEW PROGRAMS

101 - A VISIT TO THE SMITHSONIAN HALL OF GEMS, by CHARLES WALKER 55 slides

A brief view of some very beautiful gems, from the Hope diamond to lunar rocks, including some Mineral Kingdom displays.

102 - THE TRILOBITE, Gone but not forgotten.

A good study of our little friend from the past by two "pros" on the subject, ROGER PABIAN and JANICE ROOT. 116 slides

113 - CRANBROOK AND MINERALS

29 slides on the beautiful Cranbrook Museum in Bloomfield Hills, Michigan, north of Detroit. The building, garden, Institute, school and church. 65 slides of a small part of the minerals on display in the Museum.

114 - MINES AND MINERALS OF RUSH, ARKANSAS

Presented by those nice "Hill People" of the Ozark Earth Science Club of Mountain Home, Arkansas. The abandoned zinc mines, aged 100 years, the town and surrounding area. Also pictures of 67 zinc-related minerals in their members collections. 92 slides

115 - THE STORY OF GLACIERS 126 slides

This is a WINNER. A 1981 prize winner in the AFMS Slide Program Contest. An interesting, detailed study of the ice that changed geology of most of North America by FRANK & FRANCES RUSCHE of Portland, Oregon.

LOUISE STINNETT, 29462 Aspen, Flat Rock, MI 48134 Phone (313) 782-3293

BULLETINS AND EXCHANGES

by DIANE DARE, 1st Vice-President

I receive a lot of club bulletins, and have noticed that a number of them are reducing the size of their exchange lists to save on mailing costs. One club even planned to drop exchanges altogether!

Please, keep this line of communication between clubs open. Revise your list, update it and include in your list other states.

Add your Regional Federation officers and State Director to your list, this helps them be aware of the needs of their member clubs.

PATRONIZE YOUR ADVERTISING DEALERS

MEXICAN MINERALS - SLABS - TUMBLED STONES

Everett Lapidary Shop

THE CAPITOL CITY'S FIRST ROCK SHOP

2941 North 65th

PHONE 466-6204



AUTHORIZED DEALER FOR ALL LAPIDARY EQUIPMENT

"Satisfied Customers Are Our Best Advertisement"

J J & L ROCKS & MINERALS

"Supplies for the novice to the discriminating Rock Hound"

(402) 792-2337

Shop at 330 Locust, Hickman, Ne.

Mail order & Free Catalog, Box 68, Hickman, Ne. 68372

Jim Marburger

John Harrison

CUSTOM CUTTING
FOSSILS

ROUGH
MINERALS
SPECIMENS

CABACHONS
FINDINGS
SLABS

FINISHED JEWELRY
SUPPLIES

Read your bulletin to spot *new materials* or *specials* of the above advertisers.

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

Subscriptions to THE PICK & SHOVEL are \$5.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult membership fee \$5.00 (age 16 and over)

Junior membership fee \$1.00 (age 12-16)

Family membership fee \$11.00 (husband, wife and all children under 16 - permanent residents of household)

New membership must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pay the above dues plus \$1.00 registration fee.

REMEMBER:

If you failed to pay your dues by January 31st, you may still do so, however, you must pay the \$1.00 reinstatement fee!

WATCH:

For notices in the change of mail subscription rates for the PICK & SHOVEL, and also increases in advertising space.

EDITORS:

Please send all copies of exchange bulletins to:

Vera Lyman, Editor
PICK & SHOVEL
Lincoln Gem & Mineral Club
420 North 56th Street
Lincoln, NE 68504

Lincoln Gem & Mineral Club
Box 5342
Lincoln, Nebraska 68505 - 0342



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

Exchange Editor: Vera Lyman
420 N. 56th St.
Lincoln, NE 68504

John Lewis-Historian File
6225 Judson Street
Lincoln, NE - 68507