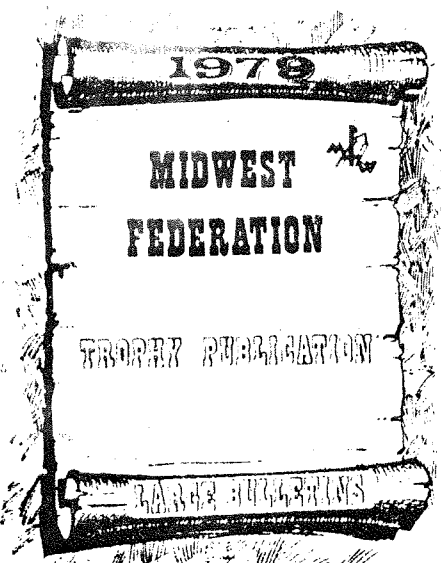
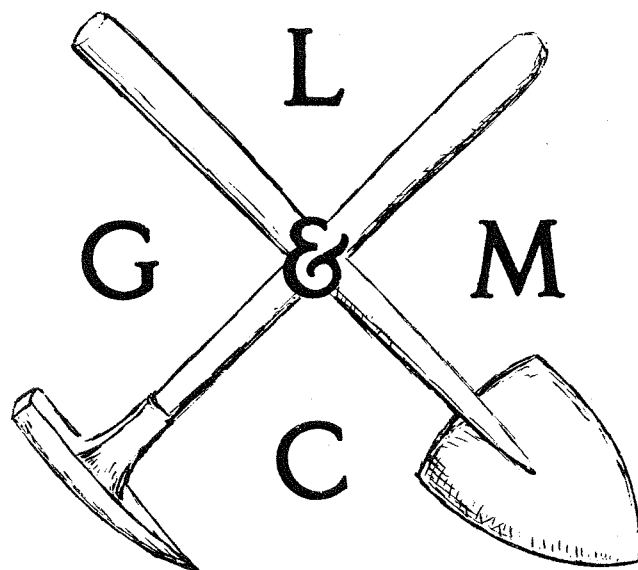


THE PICK & SHOVEL



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB
LINCOLN, NEBRASKA

Volume 21, Issue 3

November 1980

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

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

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

Regular Meetings: 4th Saturday of the month, September thru May, 7:30 P.M.
Oct. and Nov. 1980 at Nebraska Center, 33rd and Holdrege

1980 ELECTED OFFICERS

President.....	Roger Pabian	315 "D" St.	Lincoln, 68502	474-2034
1st Vice Pres...	Larry Bigley	6126 Hartley	Lincoln, 68507	466-0211
2nd Vice Pres...	Edwin Johnson	1800 Pawnee	Lincoln, 68502	423-9075
Recording Secy..	Vera Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	Marita Bigley	6126 Hartley	Lincoln, 68507	466-0211
Board Member....	Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032
Board Member....	Frank Rule	6333 Kearney	Lincoln, 68507	466-1697
Board Member....	Farel Hyland	6934 Francis	Lincoln, 68505	466-3387

Nominating Committee--3 years..Bob Walker, Irl Everett; 2 years..Wilfrid Wittman,
Edwin Johnson; 1 year..Marita Bigley, Lynn Wells

STANDING COMMITTEE CHAIRPEOPLE:

Programs	Howard J. Taylor, Jr.	Liaison and Calling	Marie Taylor
Education	Marilyn Smits	Refreshments	Mary Walker
Hospitality	Goldie Quinn	Scholarship	Howard Taylor
Historian	Lois Everett	Outside Displays	Bruce Simon
Librarian	Kay Graber	Housing & Property	Dick Roberts
Membership	Mary Lambert	Publications	Glen Litzenberg
Field Trips & Safety	Walt McCoy	Auditing Comm. 1980	TBA
Sunshine Corner	Susan Taylor	Junior Activities	Mary Walker
NAOESCI Reporter	Evelyn Ulrich		
1981 Show	TBA		

LONG RANGE PLANNING AND BY LAWS COMMITTEE

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

PICK & SHOVEL STAFF: Chairman...Glen Litzenberg

Editor	Evelyn Ulrich, 3521 S. 48th St., Lincoln, NE 68506 (488-9051)
Club News	Helena Baegl
Sunshine	Susan Taylor
Typist	Flossie Litzenberg, Marita Bigley, Linda Parks

DEADLINE 1st of Month of Issue. 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.

CALENDAR

General Meeting: Saturday, Nov. 22, 1980, 7:30 P.M.
Nebraska Center for Continuing
Education, 33rd and Holdrege,
2nd floor, Parking is available
in back of building.

Business: Election of officers.

Program: More slides of the 1980 National Show
taken by Tom Rule and shown by Jim Taylor



Board of Directors' Meeting: December 11, 1980, 7:30 P.M.
Bigley Residence, 6126 Hartley

Welcome New Members;

Chris and Jim Oliver by reinstatement. 5700 Otoe

Field Trip: Nov. 16, 1980. Will be going to Fairbury to hunt gypsum,
fossils, marcasite. Meet at Nebraska Hall 8:30 A.M.
Those living in South Lincoln may join the group at
Turnpike Corner, Highway 77.

CHRISTMAS PARTY

Where: Nebraska Center for Continuing Education
33rd & Holdrege Streets,

When: Saturday, December 6, 1980, 6:30 P.M.

Cost: \$5.00 each

Menu: Salad

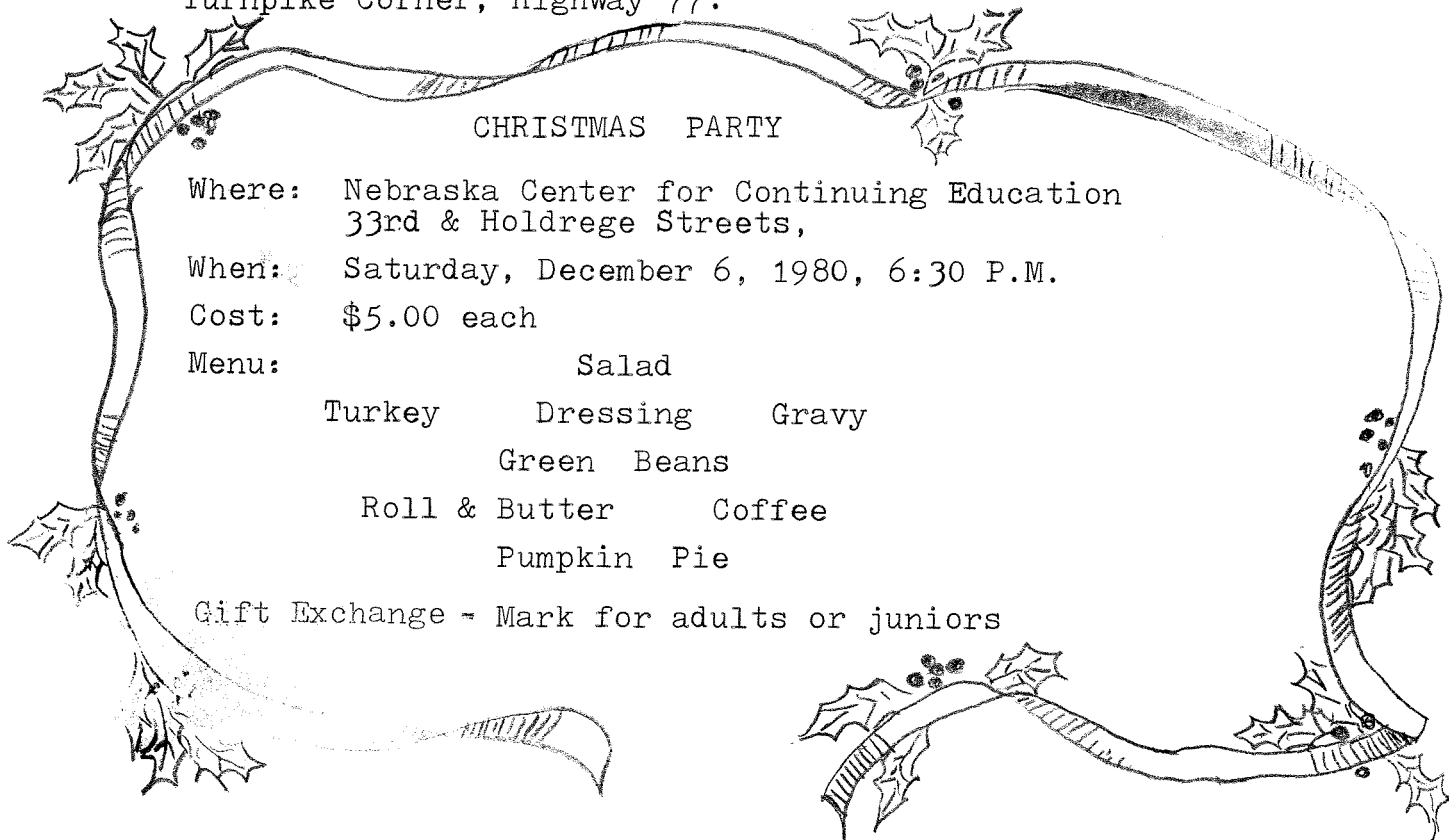
Turkey Dressing Gravy

Green Beans

Roll & Butter Coffee

Pumpkin Pie

Gift Exchange - Mark for adults or juniors



Last month...Fifty-six members, three Juniors, and five guests were present at the October 25th meeting of the L.G.M.C. The guests were: Louella Paul, Yvonne Carignan, Dorothy Johnson, Janet Kehling, and Mrs. Don Carter. A report was given by the Nominating Committee and voting for 1981 officers will take place at the November meeting. The Club chairs were offered for sale and the Club voted in favor of selling them to Tom Simmons for the sum of \$500.00. 1980 National Show Chairman, Howard Taylor presented beautiful plaques to those who helped with the Show and had not received them at the September meeting. Club members voted in favor of renting the present meeting hall at the Nebraska Center for another six months. Marge Heedick was appointed to be the chairman for the annual Christmas party. There will be a gift exchange. A field trip is scheduled for Sunday, Nov. 15th. It will be to Fairbury to hunt for gypsum, marcasite, and fossils. L.G.M.C. cases are on display at the Chet Ager Nature Center. Copies of the Pick & Shovel, and membership application forms are available there. The Silent Auction brought in \$86.25 plus a \$2.00 donation for the AFMS Scholarship fund. \$7.35 was collected for coffee and cookies.

A very fine program followed the business meeting. Ray Lambert discussed the buying of agates, dealer etiquette, collecting, and economics connected with the purchase of specimens. He also explained the collecting of thumbnail and miniature specimens. Roger Pabian showed slides and transparencies of agates explaining the qualities that good specimens possess. He pointed out that high quality agates must have good color contrast, distinct banding, and depth, a very important factor. They should also be free of flaws such as chips, fractures, etc. He stated that size is perhaps the least important characteristic of a good agate.

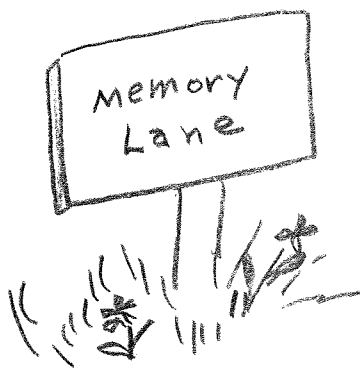
November 1970...There was an election of officers for 1971. Phyllis Parks-president; Marie Wells-first vice-president; Roger Pabian-second vice-president. Film was about a catastrophe, and it was a good one.

November 1960... Regular meeting at Morrill Hall. Thirty-four members and one guest. Work was begun by the secretary in compiling the necessary information to submit to the Dept. of Internal Revenue in order to obtain an income tax exemption. Tom Simmons displayed samples of specimens he collected during the summer and told all about his hunting experiences.

-Lois & Irl Everett, History Files

1981 Federation Shows:

CALIFORNIA	EASTERN	MIDWEST	NORTHWEST	ROCKY MOUNTAIN AFMS SHOW	SOUTH CENTRAL
Anaheim, California	Lexington, Kentucky	South Bend, Indiana	Kent, Washington	Salt Lake City, Utah	Lubbock, Texas
August 7-9	June 26-28	July 23-26	August 21-23	June 4-7	



THE PRESIDENT'S MESSAGE

The November meeting brings about the important business of choosing a new board of directors for the following year, 1981. All members are strongly urged to attend this important meeting and select their leaders for the new year. Let us try to do better than our fellow Americans who selected a new President with only 52 percent of the electorate casting votes. The most effective leadership can be gained only when 100 percent of the voters partake in the right to choose leadership. Let us try to have a 100 percent turnout of eligible voters.

There will be a field trip on Sunday, November 16th, to the Jefferson County area. We will look at Permian and Cretaceous age sedimentary rocks. The former deposits have produced diverse faunas of marine invertebrate fossils. The latter deposits will provide examples of continental deposits with leaf and plant remains and marine limestones with some ammonoids and shark teeth. If time permits, we will examine some recent gravel bars on the Little Blue River and search for various cutting materials such as wood and agate.

The club's demonstration at the encounters session at the museum was an overwhelming success in terms of viewer interest and it is hoped that this might become an annual event. Phyllis Parks has a report on this event elsewhere in the bulletin.

The 1980-Show Committee has presented to the Lincoln Gem and Mineral Club a permanent membership to the Nebraska Academy of Sciences. The cost of this was \$750.00, the principle of which will draw interest which will be given to a high school student as a scholarship in the name of the Lincoln Gem and Mineral Club. The award will be annual.

The Lincoln Gem and Mineral Club has surpassed the 1000 percent plateau in the AFMS scholarship fund, and proceeds for the badges (KMA) and T-shirts have raised this figure to about 1400 percent. Hopefully we will have the plaques and stickers for the certificates to be presented at the November meeting.

The educational cases are now being utilized at the Chet Ager Nature Center. I spent a couple of hours showing the volunteer help and the permanent employees of the center the logic behind the cases and how they may be assembled to tell a story. The nature center help has expressed a great deal of pleasure with the opportunity to use these cases and have indicated that they will be of great help in basic geologic instruction. We were permitted to leave some membership application blanks there with the cases.

The gems on location case will be on display at the encounters center at Morrill Hall for the month of November. We will try to move it to a bank or library after that. The case looks very fine with its new map. Hats off to Jim Parks for his continued interest and care for this project.

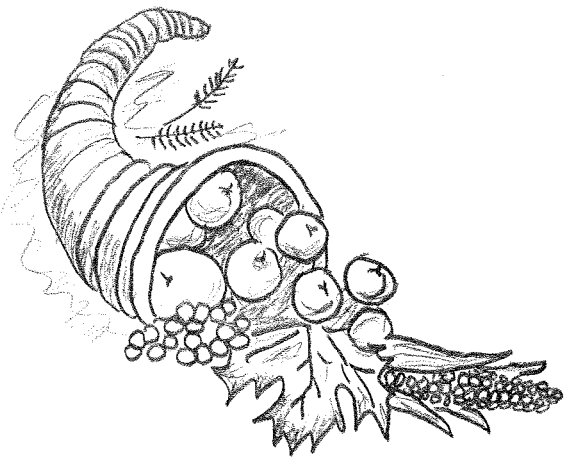
Let us all plan to be at the November meeting for the business of elections.

Roger K. Pabian
President

From the editor's desk...The end of the year is fast approaching. It has been a good year. Our Club put on a very successful National Show, we have moved to a very nice new meeting place, and we have attained some very fine new members. Now we are looking forward to a new year. We will be electing new officers at our November meeting. Be sure and come out to vote for the people who will be our 1981 leaders. The slate of officers appears elsewhere in the bulletin.

We plough the fields, and scatter
The good seed on the land,
But it is fed and watered
By God's almighty hand;
He sends the snow in winter,
The warmth to swell the grain,
The breezes and the sunshine,
And soft refreshing rain.

We thank Thee, then, O Father,
For all things bright and good,
The seed-time and the harvest,
Our life, our health, our food;
The gifts that we would offer,
For all Thy love imparts,
Are those Thou most desirest,
Our humble, thankful hearts.



All good gifts around us
Are sent from heaven above;
Then thank the Lord,
O thank the Lord
For all His love.

Matthias Claudius, 1782

November 19, 1863, Abraham Lincoln gave one of the most famous speeches in American history, the Gettysburg Address. It lasted less than two minutes.

KINDNESS

I shall pass through this world
but once.
If, therefore, there be any kindness
I can show,
Or any good thing I can do
Let me do it now;
Let me not defer it or neglect it,
For I shall not pass this way again.
-Grellet

MINUTES - LINCOLN GEM & MINERAL CLUB, INC.
BOARD OF DIRECTORS, OCTOBER 2, 1980

CALL TO ORDER:

The meeting was called to order by President Pabian at the Litzenberg home on October 2, 1980, at 7:30 P.M. All Board Members were present except Ed Johnson. Others attending were Marie and Howard Taylor, Glen and Flossie Litzenberg.

The minutes of the September meeting were read, and after a correction in name; they were approved as read.

The Treasurer's report was as follows: Cash on hand, \$20.00; Transmatic Account, \$873.95; First Federal Certificate, \$4,059.72; NBC Checking, \$ 172.15.

\$ 135.85 to go to AFMS Scholarship Fund, with credit of \$79.93, for a total of \$ 215.78.

The following bill was recorded: (within budget previously authorized). Glen Litzenberg (Sept. mailing Pick & Shovel) \$ 17.49. Motion was made by Virginia Green, second by Marita Bigley, the Treasurer's report be accepted as read. Motion carried.

The Club now has 119 adult, 4 life, and 12 junior members. A request for reinstatement of membership for Jim & Chris Oliver & daughter Ann. Motion by Virginia Green to accept, second by Marita Bigley. Motion carried.

OLD BUSINESS:

Roger spoke to Dr. Treves regarding scholarship applicants - no reply at this time.

No silent auction held at Sept. meeting; will try for Oct.

Field trip to Humboldt area, scheduled for Sun. Oct. 5 was announced.

Shriners requested to see chairs - offered \$700.00. Motion by Vera Lyman, second by Frank Rule, that Roger show chairs to Shriners tomorrow, (10-3-80). If they accept our price, sell them. Motion carried. Larry Bigley opposed.

Jim Parks will take Nebraska case; Amplifier & speaker. Repair same. Motion by Virginia Green, second by Larry Bigley, the Nebraska Case be maintained by Jim Parks and advertise in Pick & Shovel for Nebr. material.

NEW BUSINESS:

Motion was made by Phyllis Parks, second by Larry Bigley, we let Nelda Oliver print the Pick & Shovel for the remainder of the year. Motion carried. Vera Lyman opposed.

Motion was made by Frank Rule, second by Virginia Green, the Board recommend to Club at Oct. meeting that we have a Christmas Party. Motion carried.

BOARD OF DIRECTORS, OCTOBER 2, 1980

Continued - -

'81 SHOW:

Howard Taylor & Roger Pabian checked on possible locations to hold an annual Show.

Welfare House - No. 10th St. - \$300.00 per day - kitchen facilities.

Agricultural Hall - Fairgrounds - \$850.00 per day +

Villager - 52nd & O - \$540.00 per day

Irl Everett was going to check on National Guard Armory

Lengthy discussion followed. Motion by Vera Lyman, second by Frank Rule, we have a Show in 1981. Motion carried.

Roger Pabian has 2 prospects for Show Chairman.

Another Club also has set their '81 Show for the same weekend in March as we normally held our Show. The new Show dates, tentatively set for April 4-5, 1981, for this one time only.

Motion was made by Larry Bigley, second by Phyllis Parks, we appropriate \$52.80 for '81 subscription to MWF Newsletter. (200 copies) Motion carried.

There being no further business, motion to adjourn was made by Virginia Green, second by Marita Bigley.

The next Board Meeting will be held on November 6, 1980, at 7:30 P.M. Location to be printed in Pick & Shovel.

Respectfully submitted,

Vera Lyman, Secretary

D U E S

A R E

D U E

Dues are due as of January 1, 1981 and become delinquent on January 31, 1981. Your treasurer will accept your 1981 dues payment beginning November 1, 1980. Your check may be mailed to Lincoln Gem & Mineral Club, P. O. Box 5342, Lincoln, Nebraska 68505 or given to the treasurer at the November meeting. Payments made after January 31, 1981 will require reinstatement by the Board and payment of a \$1.00 fee. Dues schedule on inside back cover.

NOMINATING COMMITTEE REPORT

President-----Roger Pabian
Larry Bigley

1st Vice-president-----Irl Everett

2nd Vice-president-----Jim Taylor
Tom Simmons

Secretary-----Nelda Oliver

Treasurer-----Phyllis Parks

Board Members:

- Virginia Green
- E. Marshall
- Lois Everett
- B. Walker
- W. Wittmann
- Jim Parks
- Ray Lambert
- Mary Walker

We were saddened to hear of the death of Ed McNamar of Des Moines, Iowa. Mr. McNamar will be remembered by his many friends in the L.G.M.C. as the one who did wire twisting at our Gem and Mineral Shows.

HELLO FROM THE SUNSHINE CORNER!

Nothing could be warmer than the sunshine
of a smile!

This month cards were sent to Helena Baegl, who suffered an unfortunate accident; and a get well card to Ed McNamar of Des Moines, Iowa, who is a wire twister who has been to our shows several times in the past (including two national shows hosted by the Lincoln Gem & Mineral Club).

Suze Sunshine

HIGHLIGHTS ? ? ?

This month's Pick & Shovel carry no "Highlights by Helena" as our good friend and club member has a big 'LOW' in her vocabulary. Most of you are no doubt aware of Helena's most recent experience of being mugged her car stolen right on her own driveway. A trip to the hospital, many bruises and other pain, loss of billfold and all its contents, and especially the loss of her 'Lapidary Class Case' with lovely stones and silver were enough to make our indomitable lady admit to feeling terrible. Hopefully Helena will be home by the time this reaches you and she has already planned her future evening arrivals home to include special precautions against any further mishaps.

"ENCOUNTER"

The November 2, 1980 membership event planned in conjunction with the Lincoln Junior League at Morrill Hall, University of Nebraska, was deemed a success by the participants. Involved were Roger Pabian doing Gemstone Identification using a Wild-Heerbrug M-7 Microscope with bright field-dark field illumination, a GIA Duplex refractometer, a GIA illuminator polariscope, and a GIA dichroscope. Official identification forms were printed by the Encounter Center attendants and Roger had many specimen to share also. Florence Boring brought two small tumblers and tumbled stone jewelry for inspection. Frank Rule had his Diamond Demon and various lapidary pieces to demonstrate and a small saw. Jim Parks took Genie (as offered by Tom Simmons who was out of town) and Jim and Linda were cutting some sheen obsidian and other stones; also a case with several lapidary pieces polished either on Genie or on corundum wheels and elkhide with tin oxide. The Parks delivered Gems on Location to be on display at the Encounter Center for a month.

The Junior League was represented by Mary Sue Pardee, Chairman of the Encounter Center project, Robin Walters and Marilyn Rembolt. They were very cooperative in getting LGMC set up and reported about 185 persons through from 1:30 to 4:00 o'clock. Among the visitors were club members Reverend and Mrs. Pfeiffer and Norm Balliet with his children.

For those of you not familiar with the Center - it is open each afternoon when an attendant is present including Saturday and Sunday. (Excluding football game Saturdays.) They have all forms of earth science displays which can be touched and examined by the visitors. They have arrangements for group tours. They are attempting to have special events such as our lapidary group, periodically. The next planned event will be December 6 and is to be based on 'Dinosaurs', partly up in Dinosaur Hall, partly in the Center and a film in the auditorium.

May we conclude by saying "Thank You!" to the Junior League hostesses and we had a very good time. We'll be watching for future "Encounters".

- DUES ARE DUE -

A New England Heritage

"You must see New England in the fall when the leaves have their color!" For how many years had I heard that? For so many at least that I've no idea how long ago it was determined that my first year out of the classroom I'd go to see for myself. And it's more than true. The blaze of brilliant reds, oranges, and yellows contrasting with the mountain evergreens is frankly astonishing.

This early October trip to the New England states fulfilled other long-time ambitions too. In my early school days, we were brought up on the writings of Nathaniel Hawthorne--"The Great Stone Face," "The House of the Seven Gables," "The Ambitious Guest" and others set in a then far-off, mysterious part of our country. Were those places real? Would I ever see them? In the depression days of the Thirties it didn't seem likely.

This dream-trip had an auspicious beginning when LGMC's own Frank Marsh so graciously took me to the Red Carpet Room at O'Hare Airport for my wait between planes to Boston. Though he was on a trip for business purposes, he was thoughtful enough to extend a courtesy that leaves a bright memory.

A favorite cousin, Lucile Tyler of Polk, Nebr., something of a budding rockhound herself, arrived at Boston's Logan Airport about the same time I did. Since I hadn't the courage (foolhardiness, I'd say) to brave the downtown rush hour traffic in a rented car, we got a taxi to our motel in Brighton and then used the rapid transit buses and trains for the next day's exploration of Boston. The Old State House, seat of the King's Colonial government, was our first objective. The Boston Massacre occurred just below its balcony in 1770 and later from that balcony President Washington reviewed a parade in his honor.

Behind the Old State House Faneuil Hall and Quincy Market offered all manner of items never so much as dreamed of in the days of a Colonial marketplace. Faneuil Hall has been called "the cradle of liberty" because of the lively debates on the ideas that led to the Revolutionary War. I was disappointed to see the stall-type shops on the ground floor until Lucile, a better historian than I, informed me that it was authentic. The shops were there in Colonial days; the meetings were held upstairs. A friend's suggestion to be sure to eat at Durgin Place, upstairs in Quincy Market really paid off--fantastic broiled scrod with drawn butter. Even lobster couldn't have tasted better.

The Freedom Trail led next to the Old North Church, from whose steeple the signal lanterns of Paul Revere warned the country of the march of the British Troops to Lexington and Concord. Three regular services are still held here on Sundays. It is a beautiful church with creamy white interior edged with natural wood and accented by bright red carpets and drapes. The pews are tall-sided enclosed boxes because the church historically was unheated and families brought hot stones and bricks to keep them warm in the boxes. The tall, slender

A New England Heritage continued

spire and steeple are typical of so many that beautify the New England countryside. The feeling of awe and reverence engendered by that lovely old church was to become a frequent companion.

It was a surprise to find the Boston Common so large. The former community pastureland occupies 48 acres in the busy downtown area. What a contrast to the narrow, haphazard streets of Beacon Hill and the North End. Still following the Freedom Trail, we wandered among the mostly-illegible markers in Copps Hill Burial Ground, where Clergyman Cotton Mather of witchcraft-trial fame is buried. It had been used as a cemetery as early as 1660 and later by the British as a vantage point from which to aim their cannon at Charlestown and Bunker Hill across the harbor. Then on to Paul Revere's house. Built in 1676, it was almost a hundred years old when he bought it. It is the oldest structure in downtown Boston and is furnished as it might have appeared when Paul Revere left its doors on Dec. 16, 1773 for the Boston Tea Party or on April 18, 1775 for his historic ride. A silversmith whose work is still widely admired and copied, a skilled dentist and caster of cannon and of more than 400 church bells, Paul Revere was more than the patriot and daring night-rider immortalized in Longfellow's poem.

We were sorry to leave much of the Freedom Trail un-walked, but the opportunity for Sunday evening at the Inn at Loon Mountain, New Hampshire, with relatives from Lake Charles, La., had surprisingly presented itself. Sunday morning we rented a cute little red Mercury Zephyr, a delight to drive and easy on the gas, and did as all tourists must do--went to visit that beautifully restored old ship in Boston Harbor, the USS Constitution. It was Paul Revere who made the brass-work and installed the copper that gave the ship her invulnerability and her nickname, "Old Ironsides." We wondered at the small size of the bunks but learned later that the average height of men in Pilgrim days was only five feet three inches; for women it was slightly less than five feet. Colonial men must not have been much taller. The adjacent Constitution Museum shows how the ship was built and what it must have been like to live and fight aboard it. Not an easy life!

On our way up through New Hampshire toward Franconia Notch and the White Mountains we were more and more overwhelmed by the glory of the fall foliage. At Loon Mountain from the top of the 7,000 foot Gondola Skyride the color blankets the mountains as far as one can see. I silently thanked the winter ski enthusiasts for making possible this magnificent snow-free view.

The Great Stone Face, farther up the Notch, is familiar to many as the central feature in Hawthorne's story by that name. Called also the Old Man of the Mountain or, more simply, The Profile, it had been first seen by white men only in 1805, but it had long been worshiped by the Indians as the profile of the Great Spirit. It looked every bit as majestic as it should have. The profile measures 48 feet from forehead to chin and results from different rates of erosion of five separate granite ledges; the geologists say, "Conway granite belonging to the White Mountain sequence of Mesozoic Age." It stands twelve hundred feet above Profile Lake, a beautiful blue mountain gem.

A New England Heritage continued

The Flume which figures in the story, "The Ambitious Guest," a young man who was buried in oblivion by a rock avalanche, along with the entire family to whom he had just recounted his hopes and dreams, was just as spectacular. Discovered accidentally in 1808 by a 93-year-old woman who was fishing, it is a natural gorge only 800 feet long with granite walls rising straight up to heights of 70 to 90 feet, with only 12 to 20 feet between them. The Flume has had a long history of deep burial, fractures in the Conway granite, infiltration of less resistant fine-grained basalt, glaciation during the Ice Age, erosion of glacial debris, and finally the cutting action of the rapidly flowing Flume Brook with its Avalanche Falls. Of course this process of erosion is still going on. An ingenious system of wooden stairways enables one to climb through the cool, shadowy passageway among the ferns and mosses above the rushing water.

The poet Robert Frost's home not far from Franconia afforded a happy afternoon of wandering in solitude along the paths of the Poetry Trail past birches, a mossy stone wall, wild flowers and ferns and trees of many kinds. Many of Frost's best-loved poems were written here and are printed on plaques at appropriate stops along the path for one to pause and read again with deeper appreciation. "The woods are lovely, dark and deep"--so true that even my new camera could not find enough light for a picture of a little deep-green balsam fir with brilliant red maple leaves caught in its needles like Christmas tree baubles. The Frost place is an unpretentious white frame, green-trimmed farmhouse with a huge white barn. From its front porch we could look out, as Frost himself had done, across a broad valley of glowing fall colors.

One might expect to tire somewhat of the many restorations that mark the tourist trail, but they are refreshingly distinctive in period and in mood. In the quiet dignity of Old Deerfield, Mass., restored from the Revolutionary War Era and before, we learned much of the history of those times; saw the actual sturdy, spiked front door of the "Indian House", with a hole hacked through it by Indian tomahawks in the Indian and French massacre on the cold night of February 29, 1704; saw students still on their way to and from the Old Deerfield Academy, founded in 1797 to educate both boys and girls.

Next came a blissful day at Mystic Seaport, Conn., where wooden sailing vessels are still being built and visitors can observe every operation. With very little effort of the imagination we were whalers on the Charles W. Morgan (1841), the only surviving American whaleship from the thousands of the 19th century fleet; novice seamen on the Joseph Conrad, a square-rigged training ship (1882); or hauling in fish on the classic Gloucester fishing schooner, L.A. Dunton (1921). More than fifty smaller historical vessels are harbored there, and one of them provided a delightful ride on the Mystic River, almost broad as a harbor itself. At the height of the demand for wooden sailing vessels in the eighteen hundreds, Mystic had eight active shipyards.

Across tiny but beautiful Rhode Island, Plimoth Plantation at Plymouth, Mass., brought probably the most fun of the trip. Here an entire stockade-enclosed village has been built in the style of 1627

A New England Heritage continued

on a rise looking down to the sea. It is an active, working village with townspeople in the costume of that year going about their tasks in the primitive manner of the time. No shops here! Any questions one cared to ask were answered with information known only to the date of 1627. Preparations were underway for the three-day harvest festival to start the following morning. The Pilgrims didn't celebrate Thanksgiving or Christmas. "'Tisn't scriptur'l," we were told. It was like being in a completely fascinating play where everyone else knew their lines but you had to improvise yours as you went along. Incidentally, Myles Standish didn't ask John Alden to speak for him. We had heard earlier in Boston that Longfellow was a fine poet but a lousy historian.

Of course it was good to see Plymouth Rock, protected at its site since 1921 by a white marble portico. It is a glacial boulder of Dedham granodiorite, a type of bedrock underlying most of eastern Massachusetts but buried deep under glacial deposits in areas south of Boston. The rock seems surprisingly small until one realizes that the Pilgrims, rowing ashore in their shallop from the anchorage off Cape Cod in the cold of December 21, 1620, certainly could not have selected a very large rock for their first stepping-stone.

Plimoth Plantation was fun; Plymouth Rock was interesting; a tour of the restored Howland House built in 1667 by ancestors of Lincolnite friends was fascinating. But the real appreciation came with the visit to the Mayflower II, a replica built to the exact specifications of the ship which brought the Pilgrims. It was so small! Here again were "Pilgrims" in the costume of the day, engaging in their daily activities, telling of their frightening trip and of their customs and hopes and fears, always in answer to questions and in the well-practiced diction of the times. I simply was not prepared for the emotional impact of visiting with these seemingly actual Pilgrims at the end of their perilous voyage, knowing from history what lay ahead, as of course they could not. It is an experience not to be missed.

Here and there along our route Lucile and I had visited sites important in her husband's geneology--Thetford, Vt.; Old Deerfield, Mass; The old Mansfield Center Cemetery of 1693 in Connecticut--but for her the real excitement came at Plimoth Plantation in the conversations with Elizabeth Warren, which even cleared up some of the misinformation in print. I could only wish that everyone who had Pilgrim ancestors could have that exhilarating experience.

Back to Boston to send Lucile reluctantly on her way; then a scenic drive up to the rugged shores of Rockport on Cape Ann and down the coast by way of the old fishing village of Gloucester led to Salem and the House of the Seven Gables, the setting of Hawthorne's novel by that name. Although it was built in 1668 and added to in succeeding years, the various rooms have been beautifully restored in the fashion of the years in which they were built. The air of excitement and mystery still haunting the old place was especially strong as I climbed the steep, narrow, secret stairway to the garret that figured in the plot of the story. But there were other priorities, and the rest of Salem's history, including the infamous witchcraft days, had to be foregone.

A New England Heritage continued

One of these priorities, thanks to a suggestion by former LGMC president Gene Eno, was the Glass Flowers of Harvard University at Cambridge. Because dried flowers and plants deteriorate so rapidly, Harvard sought something more permanent for its Botanical Museum. These are actual teaching models. The father and son team of Leopold and Rudolph Blaschka of Dresden, Germany, were excellent botanists as well as glass model artists to rival Faberge. From 1887 to 1936 their entire product came to Harvard as a gift of the Ware family. The collection includes several thousand glass models of flowers and plants from all over the world, flower parts and fruits, pollination methods, even plant diseases in full development--all looking as if they had been just brought in from field or garden or jungle. Cross sections of small parts are enlarged to show the smallest detail. Colors are authentic to the exact tint and hue. There is no way to imagine the collection without having seen it.

Fortunately I still had the little red Zephyr, though my navigation in downtown Boston was largely by trial and error. The New England Aquarium was a real learning experience. The many re-creations of salt-and fresh-water habitats of New England areas at various points in time are outstanding, and the circular glass salt-water tank is the world's largest. Nose pressed to the glass sides of the 23-foot-deep tank, eye to eye with giant sea turtles, sharks, and various game fishes, I wondered: What, if anything, are they thinking as they lazily swim past with their slow rolls and their blank stares?

A totally unexpected bonus was the Korean Art Exhibit and lecture at the Boston Museum of Fine Arts. Five thousand years of Korean art: bronzes, Buddhist arts, pottery, intricate gold and jade jewelry, some of the finest inlay celadon ceramics in the history of any country. This display, which runs through November 30, 1980, is doing much to increase respect for the Korean heritage and its cultural role in East Asian history. The display was reminiscent of the Chinese Exhibition in Kansas City which so many Lincolniters enjoyed in 1975, though not quite so extensive.

Then came the quiet, contemplative plane trip home. These are the memories that will long remain: The almost unbelievable beauty of this God-given planet of ours; the feeling that history is real, not just made-up stories; the warm friendliness of the New England people in contrast to what I'd heard and read; and the surprisingly short distances between places. As one elderly gentleman said with evident pride concerning what I might consider as crowded, "Yes, everything here is very compact." Above all, I am filled with reverence for the sheer courage of those who came and stayed through such hardships and perils. I wonder if any of them knew what "heroes of daily living" they really were.

--Florence Boring

(Thank you, Florence, for taking time to share your exhilarating experience with all of us.)

SAFETY:

WEARING APPAREL AND ITEMS TO CARRY ON FIELD TRIPS

Type of wearing apparel should be governed by the climatic conditions and terrain.

1. **BOOTS** are the safest type of shoes for field trips. They not only protect one's ankles and help support the feet when walking on uneven terrain but help protect against snakes, scorpions, etc. Be sure they fit properly. Wear properly fitted woolen socks. They help to prevent blisters, help absorb perspiration, and also, are an added protection against snakes.
2. **SAFETY GLASSES** or **GOGGLES**: These should be worn when using a hammer or pick to chip rocks. These will prevent injury to the eyes from flying rock chips, silicon carbide particles, flying from grinding wheels, or being hit in the eye(s) by branches, etc.
3. A hat of some sort is always advisable if, for no other reason than to help prevent sun stroke. A hard hat or helmet is a **MUST**, in mines, or where falling rocks might occur.
4. Wear a **JACKET** or something with plenty of pockets to put rocks or other items in, rather than in the hands. Keep the hands as free as possible to protect oneself-even against a fall.
5. Wear a **BELT**. Various items can be attached to the belt, such as a knife, canteen, etc., which should always be taken along.
6. If one is going to be gone for any length of time, put a sandwich, etc., in your pocket. Be sure to have some liquids, but do not carry so much as to make your trip a burden. (**MINIMUM LIQUID REQUIREMENT: 1 QT/24 HRS.**)
7. **BAND-AIDS**, and a **TRIANGULAR BANDAGE** are important. The triangular bandage is a valuable item to have to bandage an arm or hand, use as a compress to the head, and in an emergency, can be used as a tourniquet. On any long trip, a First-Aid Kit should be taken along.
8. A **WARM JACKET** should be taken along in the car. Should one be going very far from the car, or be gone for some time, it is often advisable to take it along, even if you have to sling it through your belt, or some other out-of-the-way place. In high elevations, it can often become quite cold. In the mountainous regions, storms can come up without too much warning.
9. A **CANE OR WALKING STICK** of some sort is advised, especially where the underbrush is thick.
10. A **Compass** and **Matches** in a water-proof case, are a must; A **Rope** is often advised, especially if there should be any steep climbing.
11. A **FLASHLIGHT** is often important, should there be the slightest chance of being away after dark.

Chapter 3, AFMS SAFETY MANUAL

via Mineral Memo - July 1980

SHORT TRIPS - Long memories

by J. D. Young

When people think of travel they usually picture distant scenes of thrilling adventure far removed from the local area. That is desirable and must not be completely ended because of current travel problems. Since 1923 Myrtle and I have enjoyed the open road in every state west of the Mississippi, excepting Louisiana, and in a few, east of that stream. Many times we have come home with carsprings sagging under the load of "leaverite" and possibly a few worthwhile specimens.

This past summer has been the exception, not counting the World War II period when little travel was possible. Our memory file is filled with recollections of the "good old days" of low cost and few restrictions; easy access to unspoiled places, even though often plagued by poor roads, few accommodations, trouble-prone vehicles, plus LOW INCOME.

A better side of human nature is the ability to see and appreciate a wide variety of commonplace experiences, events and objects, not necessarily out of the ordinary. These are often found so nearby that they may be overlooked. That is my current theme. I hope it may be of interest, though not entirely rockhound oriented. What a long, hot summer!

We attended local class reunions and honors functions in which I enjoyed the thrill of visiting with former students, some from nearly 60 years of age. I shall not give details, but many have "made their mark" in science, industry, education and other fields. These were pleasant experiences.

Short trips included our favorite branch museum of the Nebraska State Historical Society, the Neihardt Center at Bancroft, only 100 miles north of Lincoln, six miles west of the Highway #77 intersection with #51. Several of our club members have visited it, and more could easily do it. There is no admission charge and it is open daily.

When going to Bancroft we usually leave #77 just north of Wahoo (near the weigh-station) and continue on #109 north about 12 miles to the Cedar Bluffs corner, then turn right and go east 5 miles to strike #77 just south of the Platte River bridge near Fremont. This is an excellent road with very little traffic.

Here is a geology note about that area between Wahoo and Fremont, known as the old Todd Valley: the Platte River once flowed through it on its way to the Missouri. How did it jump over the hills south of Fremont to its present course north of those hills? State Geologist, Dr. George Condra, gave me this explanation on one of my weekly interviews for the University Daily Nebraskan in the fall of 1920.

"During the post-glacial run-off the Todd Valley became choked with sand and gravel to a great depth. The river fought its way through with difficulty. At that time a

SHORT TRIPS-Long memories continued

smaller, but ambitious tributary slowly extended its length upstream by head-ward erosion, past the present site of Fremont, and captured the main Platte River near the present Cedar Bluffs; or the larger stream spilled over into the smaller one. The valley of the tributary was then enlarged and the Todd Valley was abandoned."

That may explain how the Platte leaped over those hills south of Fremont. Anyway the story makes a good geological "who done it?" The next time you drive to Fremont keep this theory in mind; observe the terrain involved. This may help to pass the time through a rather uninteresting flatland. To fly over the region makes for a better view.

The glacial history of Nebraska is rich with locations where choice finds of agates, petrified wood, gemstones and quartzite abound. These were transported by the great ice sheets and the torrents of rainwater and melting ice. Don't pass up a Nebraska gravel pit or sand-gravel bar. They may be most rewarding scrounging sites.

North of Fremont the Platte valley is several miles wide. Along highway #77 the roadsides are rapidly being commercialized. In the early 20th century this was where the National Tractor Show was held annually. Thousands of people came from all parts of this country, and even foreign lands, to view the demonstrations of power farming equipment, from seeding through harvesting and tillage for the next year's crop.

On the east side of #77 on the north edge of the valley is a highway monument-marker honoring early explorers whose travel westward used this natural path. Brevet Press of Sioux Falls, South Dakota has published a paperback book of over 200 pages describing such markers in Nebraska, and giving their exact locations.

South of Oakland on the west side of #77 just before the road angles northeast near a railroad cut is the Logan Creek Archeological Site of nine stratified layers or cultural zones extending about twelve feet deep. Carbon 14 dating indicates the earliest habitation there was about 8,000 years ago. Early tribes apparently were attracted by abundant shellfish and game along the meandering Logan Creek which flows into the Elkhorn River northeast of Winslow, Nebr. Excavation at the Logan Creek site ceased several years ago, and this is now entered in the National Register of Historic Places. The surface is now occupied by many hives of honey bees; so don't get any collecting ideas!

Near Oakland we visited a ranch operated by several of my cousins, specializing in high quality Hereford cattle. We were treated to a farm 4-wheel drive truck tour of the many fields, pastures and feed lots. The several hundred head of white-face bovines (*Bos taurus*) were busy enjoying the fine October sunshine. The men were soon to finish the corn harvest early because of the unusually favorable

SHORT TRIPS-Long memories continued

fall weather. The investment in animals and modern equipment is staggering. Fortunately the family has owned most of the land before inflation.

One interesting part of the truck ride took us to the top of the highest hill in the neighborhood to get a closer view of the huge center-pivot irrigation unit, operated in earlier part of the season by electric power conducted through underground cable. My memory flashed back over 70 years to swamp lands, on two sides of that hill, covered with tall slough grass and now tilled for underground drainage. On another hill nearby was the old 1-room rural school where we cousins got our first training in the 3-R's; and it is still in use.

How did they know a well sunk in that hill top would yield an abundant flow of water? One of the older boys is a natural douser (water witch) and his magic willow branch twisted its bark off when he held it in his brawny hands while in the "witching" scan! There was the deep vein in the old glacial gravel.

J.D.Y.

P. S. Blessings on those ancient glaciers; and don't minimise nearby attractions.

J.D.Y.

Places to Visit - Bancroft - Neihardt Center which is open Sunday 1 - 5 P.M., Monday through Saturday 8 A.M. to 5 P.M. Arrange tours at (402) 648-3388.

-courtesy Sunday FOCAS - Playbill

DUES ARE DUE HURRY & PAY

Dues become due on January 1, 1981 and are delinquent January 31, 1981. You may pay your dues after November 1st each year by check to Lincoln Gem & Mineral Club, Inc., P. O. Box 5342, Lincoln, Ne. 68505 or by seeing your treasurer at the November or January meetings.

Dues structure for LGMC appears on inside back cover of your Pick & Shovel.



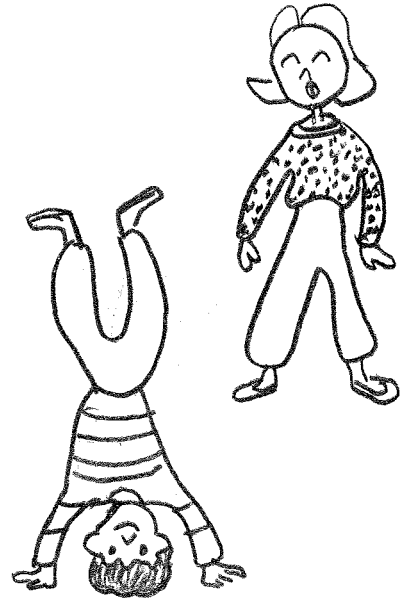
JUNIOR PAGE

Juniors:

Would you like to go on a rock hunt right at home?

See how many specimens you can find in the puzzle below.

Put a ring around the rock that you find.



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

QUARTZ, BRACHIOPOD, PYRITE, SANDSTONE, FLINT, PETRIFIED WOOD, CRINOID, JASPER, CALCITE, CHALK, GYPSUM, FLINT, AGATE, GARNET, CORAL, MICA, SAND, MARCASITE, LIMESTONE, LAVA, GRANITE, SCHIST.

Isn't it odd when first-born we lie on our backs, then we crawl, then toddle, then walk, and finally run, jump and shout; and when we become a ROCKHOUND, we do all these things in one day.

- World of Treasures via The Pipeline, Nov. 1980

Tell your folks to HURRY and pay their dues for 1981.



POTPOURRI

Those Marvelous, Myriad Diatoms... Such perfect architects, these diatoms. They spin themselves intricate houses of opal in the sea. Glittering pinwheels, spirals, stars, and chandeliers! More than twenty-five thousand species of diatoms, and no shell the same. Each a living jewel. My microscope becomes a kaleidoscope.

They come from inner space and are essential to life on this planet. Single celled algae, diatoms by the trillions produce oxygen by photosynthesis, support the oceanic food chain, and help mankind do a host of industrial chores.

Richard B. Hoover, National Geographic, June '79

Editor's note.. Beautiful diatoms may be found in streams as well as in the ocean. A drop of water from Clear Creek near Columbus contains beautiful diatoms, desmids, as well as spirogyra, oscillatoria and other microscopic life. My apologies to the bulletin editor from whom I borrowed the above article. I forgot to write down the name of the bulletin when I clipped it.

A Small Sander... A safety razor makes a handy sander. Remove the blade and wrap a sanding paper around the curved blade holder. Tuck ends under the teeth and tighten handle. Ideal for sanding small surfaces, especially if they're curved.

The Sphere via Sooper Snooper, Oct. 1980

Red or brown stains on quartz crystals can usually be removed by soaking in a concentrated solution of oxalic acid. Black stains may be due to manganese. Try removal by soaking in diluted hydrochloric acid.

Barite: Hydrochloric acid will loosen clay and iron.

Water soluble Minerals; use alcohol.

Calcite: Matrix can be removed by placing specimen in vinegar or acetic acid.

Carbonate Minerals: Try clorox full strength. If this does not work, try a weak solution of oxalic acid.

Pyrite-Marcasite: These sulphide minerals can be made bright by soaking overnight in a solution of oxalic acid, using two ounces of oxalic to a quart of water, or soaking for a half hour in hydrochloric acid.

Selenite Crystals: May be cleaned by washing very gently in water to which detergent has been added.

Algae & Lichens: Can be removed from specimens with a dilute ammonia solution.

Blab & Slab via Flint Rock & Gem Club Newsletter

UNIVERSAL

ground - air

EMERGENCY

Code Signals

- 3 Fires at Night
- 3 Smoke Signals by Day
- 3 Shots - all mean HELP

Following ground symbols, at least 10 feet long, scratched in sand; tramped in snow; outlined with branches or rocks or clothing (in contrast to background), have the following meanings to DESERT SEARCH and RESCUE PATROLS:

- I - Serious injury - Need Doctor
- II - Requires Medical Supplies
- X - Unable to Proceed
- F - Food & Water Needed
- L - Need Fuel & Oil
- N - No - Y - Yes - LL - All Well!
- JL - Not Understood
- Went that way
- K - Which Way

Put this in your wallet!
It might save your life!

American Federation Newsletter
via NAOESCI Gem Palette, Oct.'80

A THANKSGIVING FOR ALL SEASONS

by Rodney Green

(Missouri Conservationist Magazine)

via Serendipity Gems

via NAOESCI Gem Palette

Although I see the ugliness of roadside dumps, I am thankful that I can also see the leaves in fall color and the majestic flight of the hunting hawk.

Although I hear the scream of the siren, I am thankful that I can also hear the babbling of a brook and the whippoorwill's evening song.

Although I smell pollution's pungent gases, I am thankful that I can also smell the aroma of the Spring wild flowers in bloom and the forest after a summer shower -- yes, even the odor of the offended skunk.

Like Thoreau, each feature of nature reminds me of a divinely guided brush mark of the Master Painter.

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. Betty 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
Milford J. Sharp
3901 West 210th St.
Fairview Park, OH 44128

FIRST VICE PRESIDENT
Larry Nawojski
22757 Redwood Drive
Richton Park, IL 60471

SECOND VICE PRESIDENT
Mrs. Diane Dare
747 E. Blackford Ave.
Evansville, IN 47713

SECRETARY
Miss Jean Reynolds
107 Tuttle Avenue
Clarendon Hills, IL 60514

TREASURER
William Parch
P.O. Box 180
Fountain City, WI 54649



NOVEMBER 1980 - ISSUE 208

DEALERS' BOOTH

We readily admit our dealers are an important ingredient in every successful show. We also suspect many dealers are promptly forgotten about the time the last show visitor goes out the door.

An interview with several dealers at our Tulip City Gem & Mineral Show brought out several interesting points:

- o IN THE FUTURE WE DEALERS WILL CAREFULLY STUDY THE SHOW CIRCUITS. CUTTING DOWN ON MILEAGE IS MONEY IN THE CASH BOX.
- o JUST BARELY MAKING OUT.
- o WE HAD TEN GOOD YEARS. WE CAN MAKE IT THROUGH A COUPLE OF LEAN ONES.
- o WE ARE HAPPY AND HOPE TO BE INVITED BACK NEXT YEAR.
- o WE ARE HOLDING OUR CONTRACTS WITH OTHER SHOWS (UNSIGNED) FOR NEXT YEAR, NOT TOO SURE YET ABOUT 1981.

From the Show Chairperson to the last member on the smallest committee, all of us are in this "show business" for pleasure and education - financial success is secondary. But for the Dealer, while it may be fun, and it may be entertaining, it is also a very important business. The dealer has thousands of dollars tied up in his inventory and equipment and he has to make a profit or we won't see him again. An invisible dealer can't help make our future shows a success. Be sure your show provides the best possible environment for the dealers.



ALL AMERICAN CLUB IS WISCONSIN GEOLOGICAL SOCIETY

The National winner of the All American program of the American Federation of Mineralogical Societies is the Wisconsin Geological Society of Milwaukee. The All-American trophy for the 1979 club year has been mailed to Bernice McCloskey for presentation. This is the second time this deserving club has received this award. It has often been among the Midwest trophy winners also. The well rounded club is involved in many educational projects. They also do an excellent job in the club publicity department. Members work for the Midwest Federation, and are prominent in their own communities. Congratulations to an outstanding club! The Midwest Federation is proud of you.

June Zeitner
Regional All American Chairman 1979-80

What makes your club different? You are not just a group of rock polishers, or just field trippers or rock hoarders. Most club members can be heard bragging about their club, which is, naturally, one of the best. I would like to help you brag and if you club Presidents or Bulletin Editors or Liaison Officers will send me a short paragraph about your favorite club activity I will share them with other Midwest Clubs



More Fatal Accidents
Happen at Night!

THE LINCOLN SHOW FROM "DOWN UNDER"

A New Zealand visitor to the Lincoln Show was wandering through the Swap area and stopped in front of our table with a very surprised look on his face. He had just spotted some "catseyes" from New Zealand and it may have made him a bit home sick. After talking quite a while we exchanged addresses and recently we received an Aerogramme from him:

Dear Bette,

Hi! At last I have had a few spare moments since returning from the U.S.A. It sounds as though your weather is far from good. We have had T.V. reports on your heat wave. The heat we had in Lincoln and Missouri was more than we were use to.

Sorry I did not get a chance to come back and speak to you again. We seemed to get so tied up at the main show centre and even then we did not see in detail all we wanted. We really enjoyed the Show and saw a lot of displays that were most impressive. I purchased quite a few minerals, fossils and slabs. They were mostly materials that were different, and things that we do not get or see at home. It was a real circus getting all the gear home.

My slides of the Show came out well and I showed them at Club night and they were most impressed. They thought your windmill was great too. I have not yet a photo of our President's windmill covered with catseyes but will do so soon.

Our club is putting on a Show on September 12, 13 and 14 so we are all busy with preparations.

I enjoyed meeting you in Lincoln, and I can still remember the shock I got to see New Zealand catseyes on the Swap table.

kindest Regards,

John Turnwald

FALL MEETING

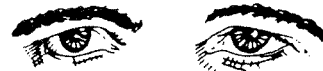
The Fall Meeting of the Midwest Federation Executive Committee was held at the University of Notre Dame Athletic & Convocation Center on Saturday, November 1, 1980.

There will be reports from this meeting in the next couple Newsletters.

Included will be Convention Reports from

- 1980 - Lincoln, Nebraska
- 1981 - South Bend, Indiana
- 1982 - St. Paul, Minnesota
- 1983 - Bids to be presented

TWO GOOD REASONS FOR
WEARING EYE PROTECTION



NEED NEW MEMBERS?

Here is an idea that worked for one club. Try it on your Show Chairman or your Board of Directors.

On the back page of the Show Program was a membership application. Every adult coming into the Show received a program and an application. The new twist was the fine print "This coupon is good for ONE DOLLAR off on next year's membership dues if used by October 31, 1980".

Did it work? You bet!! In two days the club signed up TEN new members. Why don't YOU try it.

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 \$10.50 per full page per insertion, paid in advance. 1/2 page \$5.25, 1/3 page \$3.50, 1/4 page \$2.75 (min). These ads will be placed throughout the bulletin as space permits.

Subscriptions to THE PICK & SHOVEL are \$3.00 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.

DON'T FORGET

The November Meeting will be at the Nebraska Center for Continuing Education, 33rd and Holdrege Street, on the east Campus.

DON'T FORGET

The November Meeting is the annual meeting at which we cast our votes for the 1981 Officers and Board.

DON'T FORGET

The meeting will be November 22, 1980 at 7:30 P.M.

DON'T FORGET

To bring along some interesting rocks, minerals, fossils or other item of interest.

Lincoln Gem & Mineral Club
Box 5342
Lincoln, Nebraska 68505



**BULK RATE
U. S. POSTAGE
PAID
LINCOLN, NE
PERMIT NO. 799**

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

Historian's File
2941 North 65th Street
Lincoln, NE 68507