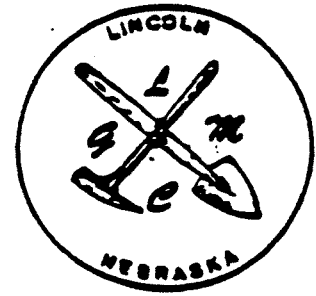


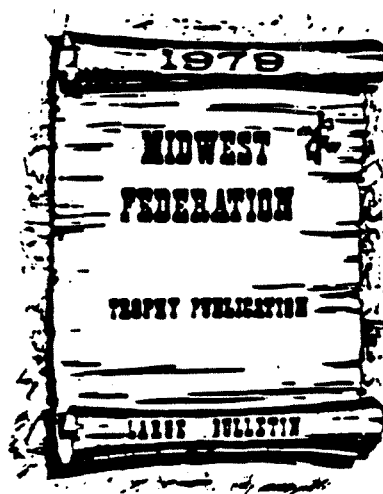
THE PICK & SHOVEL



SEPTEMBER
1986

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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)
Friends of the Museum

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

1986 ELECTED OFFICERS:

President.....	Linda Parks	2435 S. 19th St. Lincoln, 68502	476-6798
1st Vice Pres.....	Janet Wright	3715 S. 33rd St. Lincoln, 68506	488-1884
2nd Vice Pres.....	Kevin Schwartzman	1134 West Avon Ln Lincoln, 68505	464-3059
Secretary.....	Vera Lyman	420 N. 56th St. Lincoln, 68504	464-6089
Treasurer.....	Phyllis Parks	2435 S. 19th St. Lincoln, 68502	476-6798
Board Member.....	Fred Holbert	2822 S. 13th St. Lincoln, 68502	423-5639
Board Member.....	Nelia Miller	1101 Rosewood Dr. Lincoln, 68510	489-6093
Board Member.....	Tom Simmons	2970 South St. Lincoln, 68502	488-1619
Board Member.....	Marie Taylor	910 New Hampshire Lincoln, 68508	476-3707

NOMINATING COMMITTEE -- 3 years: Irl Everett, Richard Miller
2 years: Vera Lyman, John Lewis
1 year: Jim Parks, Ervin Marshall
Claude Scott, Chairman

LONG RANGE PLANNING AND BY-LAWS COMMITTEE:

1 year - John Abel, Roger Pabian
2 years - Jim Taylor, Irl Everett
3 years - Claude Scott, Phyllis Parks
Claude Scott, Chairman

STANDING COMMITTEE CHAIRPEOPLE:

All-American Award...	Janet Wright	Librarian.....	Jim Parks
Calling.....	Phyllis Parks	Membership.....	Shirley Rockel
	Marie Wells	MWF Liaison.....	Marie Taylor
Education.....	Roger Pabian	Programs.....	Kevin Schwartzman
Field Trips.....	Tom Simmons	Publicity.....	Roger Pabian
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Hospitality.....	Ed Ridge	XMAS Party.....	Janet Wright
Housing/Property....	Claude Scott	1986 Rockhound/Yr....	Janet Wright
Jr. Activities.....	Nelia Miller	1986 Annual Show....	Fred Holbert
	Janet Wright	1987 Annual Show....	Jim Marburger

AUDITING COMMITTEE 1985.....Lois Everett, David Heffelbower,
Ervin Marshall, Shirley Rockel,
Phyllis Parks, Treas.

PICK & SHOVEL STAFF:

Editors.....Board of Directors
Co-ordinator...Vera Lyman, 420 N. 56 St. Lincoln, NE 68504 (NAOESCI Reporter)
Circulation....Dave Heffelbower
Sunshine CornerGale Clare Scott
Reporters....."CLUB MEMBERS"

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.

CALENDAR PAGE

GENERAL MEETING: September 27, 1986, 7:30 p.m.
Nebraska Center for Continuing Education
33rd and Holdrege Sts, the Norfolk Room
Program to be presented by Kevin Schwartman

YOUTH MEETING: 7:00 p.m., September 27, same place

BOARD MEETING: Monday October 6 at 7:30 p.m. Community Room
American Charter, 3930 South Street

OCTOBER MEETING: Something special. Plan on Saturday, the 25th
at Bethany Park Shelter. (no sirens we hope)
Watch for more details in October bulletin.

1 9 8 6 S H O W S & S W A P S F O R Y O U R C A L E N D A R

September 20-21	Show	Kimball, Nebraska
September 20-21	Show	Omaha, Nebraska
October 11-12	Show	Topeka, Kansas
October 18-19	Show	Grand Island, Nebraska
October 25-26	Show	Hutchinson, Kansas
November 15-16	Show	Chanute, Kansas

1986 REGIONAL SHOW SCHEDULE

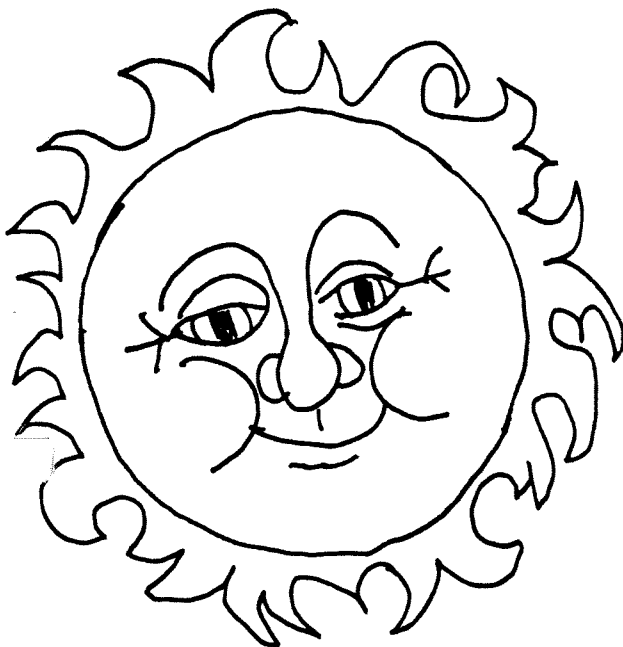
October 25-26	Eastern Federation Show, Warwick, Rhode Island
November 21-23	Rocky Mountain Show, Phoenix, Arizona

GREETINGS FROM THE SUNSHINE CORNER

Everyone seems to have survived the summer fairly well and I truly hope we have not neglected anyone who had problems.

The really successful people in life are those who know how to be happy. If you are not happy you're not a success. You may have all the kingdoms of the Earth and if you haven't found happiness you've failed.

We can't all be heroes because somebody has to sit on the curb and clap as they go by. Will Rogers



"THE SUNSHINE PAGE"

SUNSHINE AND MUSIC

A laugh is just like sunshine.
It freshens all the day,
It tips the peak of life with light,
And drives the clouds away.

A laugh is just like music,
It lingers in the heart,
And where its melody is heard
The ills of life depart.

Anonymous

* * * * *

SUMMER WAS FUN

Yes, Summer was fun!

In June, fifteen members of the Club enjoyed a picnic at the Bethany Park Shelter with hot dogs, pot luck dishes, some dessert; and yes, even watermelon! The early evening hour was spent swapping rockhound stories and just visiting.

In July, some Juniors and adults took a Field Trip to the Beatrice area. Details are given on page 9 by a Junior member of this encounter.

August was also fun! Thirty-four members and friends enjoyed chocolate ice cream, cakes, etc. at the Van Dorn Park Shelter. Visiting and Silent Auction climaxed the evening.

HOPE TO SEE YOU ALL AT THE SEPT. MEETING.

* * * * *

The Club was saddened by the death of Paul (Stan) Greenwade on Friday, August 22. He and his wife, Hazel were lone-time members of the Club.

PRESIDENT'S MESSAGE

Members and friends:

Understand that the August "Ice Cream and Silent Auction" Meeting was well attended and self supporting, also that there was lots of good cake and cookies left over. Would have liked to have been there and did really appreciate the messages. Thank you, I loved it.

School began with orientation on August 20-24 then classes on August 25. Really have to do a lot of studying, some dull reading but lots is very interesting.

Last weekend we made a short trip across the river into Illinois. We visited the Cahokia Mounds, saw the nice Museum and climbed Monk's Mound which is the largest Indian structure in North America. This mound was built over a period of 300 years in 13 different construction periods, the latest being about 1150 A.D. Monk's Mound is 100 feet high, covers 14 acres and consists of 22 million cubic feet of dirt. It is all grass covered and next to it stands "Woodhenge" which is similar in design to England's Stonehenge. A city of forty to fifty thousand Indians surrounded the mound on it's completion.

I hope each of you will give Jan and the board your cooperation as she takes over in my absence running the affairs of LGMC and I plan to see you at the October meeting.

Thank you.

LYN

From your 1987 Show Chairman:

Had an enthusiastic first show committee meeting with Floor Chairman John Harrison, Dealer Chairman Jim Parks, Publicity Chairlady Jan Wright, Programs & Security-Vera Lyman, Ribbons & Recognition-Marie Taylor and Ticket Sales Phyllis Parks. All signals are go for March 28 and 29, 1987. Fliers have been distributed at the South Dakota State Show and will be at the 1986 Nebraska State Show at Kearney.

We'll need lots more help so don't be bashful. Your offers of help and encouragement count in the final outcome of the show. All club members are needed, whether it be to chair a particular activity or just to help.

1987 Show Chairman

DELEGATE'S REPORT OF MWF COUNCIL MEETING, JULY 19, 1986

The MWF Council Meeting was opened in regular form with the Call to Order given by President Bill Parch. The invocation was given and the Pledge of Allegiance was recited by all. Past presidents, and honorary members of the MWF were introduced. American Federation officers in attendance were introduced.

The minutes of the last meeting were printed and mailed to all officers and directors of the MWF. The Treasurer's report was given. There are 245 clubs in the MWF, with 11,917 adult members and 610 junior members.

The State Directors were introduced and each gave a report of their clubs' activities. The MWF has clubs in Illinois, Indiana, Kentucky, Iowa, Michigan, Minnesota, Missouri, Arkansas, Kansas, Nebraska, Ohio, North Dakota, South Dakota and Wisconsin.

The Directors of Permanent Committees were introduced and gave reports on their committee's activities. These committees include: Archaeology, Bulletin Aids, Convention/Show, Credentials, Supplies, MWF Directory, Education, Environment/Legislation, Geology, Historian/Archives, Junior Activities, Lapidary Arts, Long Range Planning, Membership, Merit Awards, Micromounts, Mineralogy, Newsletter, Paleontology, Public Image, Programs, Safety, Scholarship, Special Displays and Uniform Rules.

The Directors of Special Committees were introduced and gave reports on their committee's activities. These committees include: Boundary, Commemorative Stamp, Education Through Sharing, Holotype, Liaison with Central Canadian Federation, Library, Nominating, Protocol/Parliamentarian, Senior Activities and Endowment Fund.

Election of Officers then took place. The slate presented by the nominating committee was as follows: President, Esther Mullaly; 1st Vice President, Paul Clifford; 2nd Vice President, Dr. Benjamin Moulton; Secretary, Jean Reynolds; Treasurer, Kitty Starbuck. These people were elected by a motion of acclimation.

New business discussed: (1) Proceeds from annual silent auction held at MWF Convention and Show to go to MWF Endowment Fund. (2) Because no formal bid was presented to Executive Committee for hosting 1988 MWF Convention/Show, council power was transferred to Executive Committee to make selection of 1988 site by unanimous motion.

The meeting was adjourned, followed by an invitation to attend the MWF Convention and Show to be held June 25-28, 1987 in Dearborn, Michigan, hosted by the Midwest Mineralogical & Lapidary Society of Dearborn. Further information will be sent to all clubs in early 1987.

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - May 5, 1986

The meeting was called to order by President Parks on Mon. May 5, 1986 , at 7:30 P.M. at the 40th & South Sts. American Charter Bldg. All Board members were present.

Minutes of the April Meeting were read. Motion for approval by Fred Holbert; 2nd by Tom Simmons. Motion carried.

Treasurer's report was read. Motion for approval by Janet Wright; 2nd by Marie Taylor. Motion carried.

BILLS: Paid but need approval:

- \$ 5.20 Gail Clare Scott - Cards & postage
- 62.50 Postmaster - Stamps for P & S
- 6.65 Phyllis Parks - Labels (P & S) Copies
- 33.00 Security Storage - May

Motion for approval by Fred Holbert; 2nd by Kevin Schwartzman

BILLS: (SHOW) Payment & approval:

- \$ 5.07 Fred Holbert - Phone calls

Motion for approval by Phyllis Parks; 2nd by Nelia Miller.

BILLS: Payment & approval:

- \$ 300.00 Scholarship Foundation

Motion for approval by Vera Lyman; 2nd by Phyllis Parks.

All motions carried on all bills.

OLD BUSINESS:

RE: Dredge at Ogallalla Project. Motion by Vera Lyman that we take Fred's amended motion to the Club. 2nd by Phyllis Parks. Carried.

(underwrite - guarantee up to \$ 400.)

Add to Fred's motion - that expeditionary group respond to LGMC re: all monies received for the dredge.

Kevin S. - Had all name tags ordered.

Nelia M. - Question of survey results. Discussed. Fred indicated need to emphasize Lapidary.

Motion by Linda Parks that we have a Sept. demonstrating meeting. 2nd by Fred H. Will discuss location at Sept. Board Meeting.

Letters ready for Milton Turner Scholarships: Garin Miller & Ann Crawford. Motion by Fred Holbert that letters be approved. 2nd by Kevin Schwartzman. Carried.

Phyllis P. - Screen needs repairs - See if it can be repaired.

Vera L. - Question re: NE Pageant Crown; whether it is property of Club. NO. Member/s only donated gemstones for it.

AUDIT: By May 17th meeting.

TENTATIVE SUMMER SCHEDULE:

June 28 - Picnic with Hot Dogs, Potluck. Bring own drinks & table service.

July - Chet Ager Nature Center - Field Trip to Moose Lake, Minn.

Aug 23 - Ice Cream Social - Possible Field Trip sometime.

NEW MEMBER: Mohapatra (Jyoti) and mother. Janet Wright sponsor. Motion for approval by Marie Taylor; 2nd by Fred Holbert. Carried.

DELEGATES:

NAOESCI delegates are Nelia Miller, Marie Taylor, Phyllis Parks, Kevin Schwartzman. Alternate - Jim Marburger.

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - continued

State Show hosts would like to use our Club Cases. Motion by Marie Taylor that State Assoc. (Kearney Club) be responsible for damage repair, etc. 2nd by Tom Simmons. Motion carried.

'87 SHOW REPORT: Jim Marburger, Show Chairman

Show dates are March 28 & 29, 1987 (Set-up day is March 27)

At Ag Hall, Fairgrounds

Chairpersons, to date: Floor - John Harrison
 Programs, Security & PA - Vera Lyman
 Dealers - Jim Parks
 Ribbons & Recognition - Marie Taylor
 Tickets - Phyllis Parks
 Special Feature - Kevin Schwartman
 Publicity - Janet Wright

Meeting adjourned.

Respectfully submitted,

Vera Lyman
 Vera Lyman, Secretary

LGMC Treasurer's Report--May 1, 1986 through August 31, 1986

NBC Checking 5/1/86 \$ 135.68

Receipts:	New member dues	11.00	
	Donation Aug. Auction	5.00	
	Receipts Aug. Auction	35.30	51.30
	Funds transferred Savings to checking		750.00

Payments:

Security Storage June, July, Aug., Sept.	132.00	
UNL Scholarship Foundation Deposit	300.00	
UNL State Museum-Fossil dredge project	100.00	
1986 Show phone calls	5.07	
Vera Lyman-May P & S pages	21.26	
UNL Printing & Dupl.-MAR, APR, MAY P&S	204.57	
Lincoln Parks & Rec.-June & Aug. meet.	50.00	
Nebr. Center Cont. Education-May	45.00	
Accent Printing-Summer issue P&S	22.74	
Postmaster stamps summer issue, treas.	22.00	902.64

NBC Checking 8/30/31

34.34

LINCOLN GEM & MINERAL CLUB, INC - GENERAL MEETING - May 17, 1986

NE Center - Norfolk Room - 7:30 P.M.
Meeting called to order by Pres. Parks.

Motion for approval of the minutes as printed by Susan Taylor, 2nd by Adeline Nolde.
Carried.

Motion for approval of the treasurer's report as printed by Marie Taylor, 2nd by
Claude Scott. Carried.

26 members & 5 juniors present. Guests were Jim & Kay Landon; Rhonda Archuletta.

Minutes from April Meeting were read regarding Ogallalla project.

Progress Report by Jim Landon as follows:

Omaha Club member could build dredge for \$300.

Omaha Club agreed to donate \$100.

Hastings Club sending donation - ? amount.

Also, Omaha member has air compressor with special rig.

Plan to begin project Aug. 3 with Mike Voorhies. Club members may come
out Aug. 5th, 12 at a time.

Marie suggested contacting State Assoc for donation with credit to NAOESCI.

Club voted to accept Fred's amended motion, with 1 abstention.

Discussion lead to motion by Phyllis Parks that we give \$100 now to the Dredge
Project; 2nd by Jim Taylor. Carried.

NEW BUSINESS:

Janet W. - Received first publication of Future Rockhounds of America. - Ruth
Hannett - Editor. 1 page dedicated to Brian Taylor. He would like to make a map
with State Rock for each state.

Junior Club members would like to exchange fossils & become pen pals.

Letter from school in Ohio. Introduction to rock strata & fossils in NE.

Senior group in Canada would like rock specimens. (via Roger)

Thank You from Sr. student at Henderson, NE who received scholarship thru NAS.

Master Thesis Proposal from Kevin Schwartzmann. Kevin on staff at Trailside Museum
at Crawford, NE for the summer.

ANNOUNCEMENTS:

25th Anniversary Show Pins for sale

Grotto Trip - May 31 & June 1 - Calling committee notify those interested of
details.

June 28 - Picnic - Bethany Park Shelter

July 19 - Jr. Field trip to Fairbury - 8:00 A.M. Meet at Edgewood Shopping
Center parking lot. Adults can participate.

Aug. 23 - Ics Cream Social

Hebron Swap - May 31 & June 1

Homestead Swap - June 14 & 15

State Show at Kearney - Sept 6 & 7. LGMC display at State Show - Club Case -
Members each donate 1 or 2 specimens for a combined case. Also Jr. Case. Personal
cases also.

Meeting adjourned.

Respectfully submitted,

Vera Lyman
Vera Lyman, Secretary

PLANET EARTH'S VOLCANOES

Countless volcanoes have occurred on earth's land and up through the oceans. Many are active, some are rarely active and others are apparently permanently dormant. We live in an area obviously devoid of such phenomena, past, present and future possibility.

We may travel in volcanic areas and yet never experience one in action because they are temporarily quiet. Accurate prediction of renewed eruptions are not easily made, and to foretell a new volcano is unlikely. If we wish to see one in action there are plenty of them, as well as those temporarily inactive, - several in U.S.A.

During numerous western travels Myrtle and I have seen old volcanic peaks or cones, such as Mt. Shasta in northern California, Mt. Hood in N.W. Oregon and Mt. Rainier in western Washington state. We have passed a few miles away from Lassen Peak in California and Mt. St. Helens in S.W. Washington. Lassen became active in 1914-1918 and then quieted down. St. Helens was much in the news in early 1980's, but we were not near-by.

We have been at the rim of Crater Lake in Oregon, 5 miles wide and 2,000 feet deep. It is what is left of ancient Mount Mazama which is believed to have "blown-its-top" 7,000 years ago, leaving the Caldera later filled with water in which a much smaller volcanic cone has grown up near the edge of the main crater rim.

In 1959, near Flagstaff, Arizona our eldest son, Don and I climbed Sunset Crater, a dormant cinder cone about 900 years old. I waited at the crater's rim while Don explored its depth of several hundred feet. He climbed back and reported nothing of interest but a few ladybugs feeding on other insects! We had motored past the base of the interesting cinder cone the day before, on our way from Grand Canyon South Rim via Wupathi Nat'l Monument, headed for Flagstaff, where we left Myrtle in a motel.

The rather primitive highway leading past the Sunset cinder cone was strewn with fine volcanic dust or ash still covering the area since the eruption of about nine centuries ago. In one hour's easy drive east of Flagstaff off Interstate 40 is the famous Meteor Crater caused by impact thousands of years ago of a fallen meteor. It is also "a must see" in that area.

There are about 600 "active" volcanoes on earth, mostly along portions of the earth's crust defined as Tectonic Plates. Over 100 of these are around Indonesia. Where the Pacific Plate collides with North America is another active area where more than a dozen volcanoes have erupted in historic time. Plate Tectonics is a rather recent geological "theory".

South Africa's abundant diamonds are believed related to volcanism. Ardent Biblical Scholars are inclined to relate them and other great geological mysteries to the universal deluge of Noah's Ark. Marine life fossil deposits far inland are another puzzle. Ancient extinct volcanoes are not always easily recognized, but are gradually becoming better understood. Some fossil beds in Nebraska and other plains states are now thought to be related to volcanic fall-out, from points not easily determined.

PLANET EARTH'S VOLCANOES - continued

New volcanoes seldom burst forth out of the earth in unlikely locations, so do not expect to see it happen here. Readers may recall the news of such an occurrence that happened near the village of Paricutin, S.W. Mexico in 1943. It surprised a Mexican farmer who found it erupting in his cornfield, and he probably had no volcano insurance!

That new volcano before it quit erupting 9 years later, grew to a height of over 1,350 feet, routed 4,000 people from their homes and ejected over 3.6 billion metric tons of lava and other material. A nearby church filled with lava and ejecta was left standing with its tall steeple still upright above it.

Volcanoes may erupt from ocean floors as well as a Mexican farmer's cornfield. Most of the Hawaiian Islands have been built up from ocean floor areas, some were 18,000 feet below the surface and some have risen 30,000 feet from that floor. The largest above-water surface area is the island Hawaii with an area of over 4,000 square miles, second only to Iceland as the world's largest volcanic island. Three of the active volcanic islands rate among the world's highest mountains, counting from their ocean-floor bases.

Several well-known volcanoes have been active for many centuries. Their destructive eruptions have been repeated, to become great tales in World history. Their destructive "habits" are forgotten or disregarded by people who settle on their slopes, enjoying the dangerous terrain until another eruption occurs, usually without much warning.

Modern techniques and devices such as seismographs provide some warning, probably unheeded, but in most regions taken promptly enough to avoid great loss of life which has been known to number in tens of thousands. Modern facilities cannot prevent some loss of life. They can only lessen the toll.

History is replete with famous volcanic disasters, both in loss of life and destruction of property. The list contains such monstrous calamities caused by volcanoes as Vesuvius, (Italy); Etna, or Aetna, (Sicily); Krakatoa, (Java-Sumatra); Stromboli, (north of Sicily); Pelēi, (West Indies); Mauna Loa, (Hawaii); - and that is only part of all the known big ones.

"The science of volcanology is young, and the secrets of volcanism are well protected". (quote from the Time-Life book VOLCANO (c) 1982, revised 1984). This modern silence has an enormous field of interest and importance.

- Submitted by

J.D. Young

NEIHARDT DAY--1986

The twenty-first annual Neihardt Day was celebrated in Bancroft, Nebraska, August 3, 1986. It was the twenty-first anniversary for the Neihardt Study restoration project, but only the tenth anniversary of the dedication for the beautiful John G. Neihardt Cultural Center itself. Although the weather was perfect, attendance numbered only 200 to 250, probably because of so many other activities going on, including the county fair.

For newer members of LGMC, Dr. Neihardt, poet laureate of Nebraska since 1921, was one of its two honorary members, the other being Dr. C. Bertrand Schultz. Although Dr. Neihardt died November 3, 1973, he was later named "poet laureate in perpetuity." (William Kloefkorn was designated state poet.) Author of more than twenty-five books, of which the best known are Black Elk Speaks and A Cycle of the West, Neihardt lived with LGMC members Myrtle and J.D. Young during the later years of his life. It was in the Young's home that he wrote his last two volumes, the autobiographical All Is But a Beginning and Patterns and Coincidences. Because of these circumstances, The Pick & Shovel has traditionally carried a Neihardt Day report in its September issue.

Featured speaker for this Neihardt Day was Frederick Manfred of Luverne, Minnesota, author of Lord Grizzly. Since 1968 he has been Writer-in-Residence at the University of South Dakota, Vermillion, and consultant in the Humanities for Augustana College in Sioux Falls, S.D. Lord Grizzly is a well-written novel dealing with the fur trapper Hugh Glass and his incredible crawl from the Forks of the Grand in northwestern South Dakota to Fort Kiowa on the Missouri River in 1823, after he had been mauled by a grizzly bear and left for dead. Most of you have no doubt read Neihardt's version in poetry of these same events, The Song of Hugh Glass, in which the rhyme and cadence reinforce the stark beauty of the imagery and the depths of emotion.

But Frederick Manfred did not speak of the similarities and differences between the two versions, or the sources for both of them, as one might expect. Instead, he chose for his theme "The Prairie Breaker" saying that none before Neihardt has written as he did of the Western movement and early life on the Plains. Manfred treated his audience to selections of some of Neihardt's uniquely descriptive phrases and to his empathy with Neihardt through his own reminiscences of his early life.

Manfred's works show a mastery of literary technique and a definite personal style. When someone commented on the changes of pace in his writing, so that in passages of rapid action he "wrote fast" and one had to "read fast", he replied, "Yes, I leave out the adjectives and the adverbs." His earlier novels were written under his Frisian birth name, Fieke (Frederick) Feikema. The later books of his twenty novels, including the five which make up The Buckskin Man Tales (of which Lord Grizzly is the second) were written under the legally adopted name of Frederick Manfred.

Also on the program were the poet, Ted Kooser, and Dr. Neihardt's daughter, Hilda Petri, who had just returned from a month in West Germany, where she read German translations of her father's works and lectured at several West German schools. She was accompanied to Germany by seven Winnebago singers and dancers and their tribal chairman, Ruben Snake. Curiously, American Indian clubs in West Germany seem to enjoy

as much popularity there as Boy Scout troops do here. Hilda had many interesting things to tell and pictures to show. Tom Allan, as master of ceremonies, was his usual vibrant self.

Another highlight of the 1986 Neihardt Day was being able to view on display for the first time the authentic sacred objects used by Black Elk in religious ceremonies and given to Neihardt by Black Elk before his death. All these belonged to Black Elk and to his father before him. Quoting from Neihardt's description: "The Pipe is the most sacred object, representing the Peace That Comes With Understanding. It is a beautiful specimen that was handed down by Black Elk's father to him, and from Black Elk to John Neihardt. . . The Hoop of the World, which is 'so big that everything is in it,' is represented by a wooden hoop 24 inches in diameter by 1½ inches deep wrapped with buffalo hide. This hoop has two crossroads: the Black Road of Worldly Difficulties and the Red Road of Spiritual Understanding. . . The Drum was used by Black Elk in all singing and in all rituals. On the face of the drum is a very old painting of a black elk in a crescent moon, with the Morning Star at his back to light the way as he passes to the Spirit Land in the West." These sacred objects are now on permanent display in the Neihardt Cultural Center, where Dr. Neihardt had stipulated that they should be.

This year has been of great significance with regard to Neihardt and his work. The sixth annual Neihardt Spring Conference was held April 26 at the Neihardt Center with William Least Heat Moon as speaker, and was reported in the May, 1986, issue of The Pick and Shovel. Ground-breaking ceremonies were held May 31 in the Black Elk-John G. Neihardt Park in Blair, Nebraska, for the 40-foot-high Tower of the Four Winds, designed and promoted by Dr. F. W. Thomson of Blair. Construction at the site is progressing nicely. Dedication of the Tower should be held sometime in late autumn of this year. Hilda Neihardt Petri, Bobby Bridger, Neihardt balladeer, and Joe Kemp, spiritual leader of the Omaha Indians, were among those participating in the ground breaking.

Activities in August included a planned float trip down the portion of the Upper Missouri River from Fort Benton, where Neihardt began his river trip in 1908 for The River and I. The fifth annual Neihardt Seminar at Wayne State College was held August 2-11, with the participants in attendance at Neihardt Day; and the first volume of Neihardt's autobiography, All Is But a Beginning, was reissued in paperback form by the University of Nebraska Press after having been out of print for a number of years.

A milestone for John G. Neihardt and the Cultural Center was the Nebraska State Legislature's unanimous approval February 3, 1986, of Legislative Resolution 332, which designates "that, hereafter, the First Sunday in August shall be John G. Neihardt Day, to be celebrated throughout the State of Nebraska." Previously, Neihardt Day had been declared by the Governor of the State. LR332 was introduced by State Senator James E. Goll of Tekamah, who also made arrangements for the editor of the Nebraska Blue Book to "devote appropriate space in the next issue ('86-'87) for an article about Nebraska's poet laureate John Neihardt and about the first Sunday in August being designated as John Neihardt Day."

--Florence (Boring) Lueninghoener

JUNIOR'S SUMMER FIELD TRIP

On a hot Saturday in July, we took a field trip. There were three junior members and four adults and my friend from Orleans, France who is named Tristan. He is my age, thirteen years old.

We first stopped at some bluffs south of Beatrice. There were some neat little geodes there.

The second place we stopped had fossils and geodes. It was just a few miles from the first place. It was neat. We found crystals, too.

We went to Fairbury for lunch at Mc Donald's. Then we went to the little Blue River sandbar and found neat rocks and stuff. I found a horse's tooth.

We stopped by the lime kiln and some coal beds near Gilead. Then we went to an outcropping to look for fossils and scorpions. We stopped back at Fairbury for a sundae before we went home.

We were all hot and tired but we had a wonderful time and found lots of neat stuff.

Garen Miller

* * * * *

FUTURA ROCKHOUNDS OF AMERICA

7-16-86

Jan!

Thanks for the design. Of course, you can use any part of the newsletter. It's for all FRA and if it or part can be used please feel free.

Send me a picture of your summer Field Trip and a write up and I'll put it in.

Keep up the good work.

Ruth Hammett

WORDSEARCH - MINERALS

by Ruth Hammett

B A B B I T T M E T A L * * X Z V E S S * * K C O R E V I S U R T N I
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MINERAL NAMES

- | | | | |
|---------------|-----------------|-------------------|------------|
| **** | Faults | Luster | Sandstone |
| agate | Feldspars | Malachite | Sapphire |
| alabaster | Flint | Marble | Sand |
| Amethyst | Fluorite | Mercury | Shales |
| Rabbit metal | ***** | Metamorphic rocks | Sills |
| Barite | Fossils | Micas | Silver |
| Basalt | Gabbro | Mohs scale | Slate |
| Beryl | Garnet | Molds | Soapstone |
| Borax | Gas | Moonstone | Soil |
| Boyle | Gems | Obsidian | Spinel |
| Calcite | Gold | Oil | Stibite |
| Carbon | Grossularite | Onyx | Sulfur |
| Carnelian | Halite | Opal | Talc |
| Cast | Hornstone | Pearls | Tiger eye |
| Chalk | Igneous rocks | Phengite | Tin |
| Chert | Intrusive rocks | Peridot | Topaz |
| Chromium | Iron | Petrified | Tourmaline |
| Chrysocolta | Jade | Pyrite | Trapolite |
| ***** | Jasper | Pyrope | Tufa |
| Citrine | Jet | Quartz | Uranium |
| Clas | Kaolin | Quartzites | Varves |
| Coal | Kernite | ***** | Volcanic |
| Coral | Lapillo | Rhodonite | Wood |
| Diamond | Lapis lazuli | Rock crystal | Zenolite |
| Dikes | Lava | Rockhounds | Zinc |
| Dunite | Lead | Ruby | Zircon |
| Emerald | Limestone | Rutile | |
| Enstatite | Lode | Salt | |
| Fairy crosses | Lodestone | Sand | |

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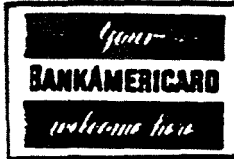
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Subscriptions to THE PICK & SHOVEL are \$5.00 per year mailed.

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.

DON'T FORGET - - - BUSINESS AS USUAL - beginning September 27, 1986

GENERAL MEETING - 7:30 P.M.

NE Center - Norfolk Room

- Junior Meeting at 7:00 P.M.

- Program by Kevin Schwartzman on his summer experiences at Fort Rob.



H.E.L.P.

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MAIL ALL EXCHANGE BULLETINS TO:

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