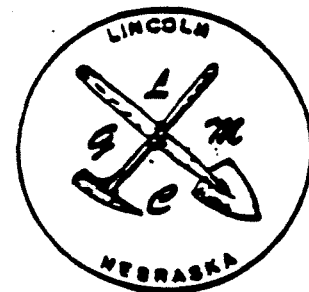


THE PICK & SHOVEL



OCTOBER
1986

In this issue

...Nominating Committee Report

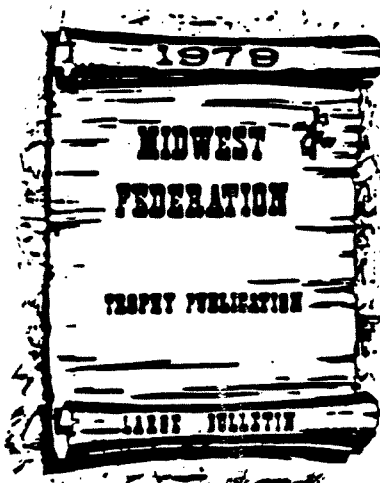
State Delegate Report

BADLANDS - BLACK HILLS - SAND HILLS

BLACK HILLS ODYSSEY

Library News

Junior News



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 Schwartman	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 Schwartman
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 Corner..Gail 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: October 25, 1986, 7:30 p.m., Bethany Park Shelter, Cotner & Vine Streets

NOTE: If you are demonstrating, please call Phyllis for information regarding power & lights.

Lapidary & other Demonstrations by some of our members Please come as an Earth Science specimen - even if it is only a color of your favorite, or a card with several descriptive terms pinned to your shirt. Do it for Linda, she plans to be there.

Club will furnish coffee, cider and hot water so please bring 'treats' to go with your drinks.

YOUTH MEETING: 7:00 p.m., October 25, same place, costumes, treats.

BOARD MEETING: Monday November 3, 1986 at 7:30 p.m., Community Room, American Charter, 3930 South Street.

NOVEMBER MEETING: November 29, 1986, 7:30 p.m., Nebraska Center Norfolk Room, 33rd & Holdrege. This is a date change from the decision at the September meeting because we could not book the meeting rooms at Nebr.Center for the 15th. November is the annual meeting with election of officers for 1987 on the agenda. Please plan to attend.

DECEMBER - Annual Christmas Dinner - Nebraska Center, December 6, 1986.

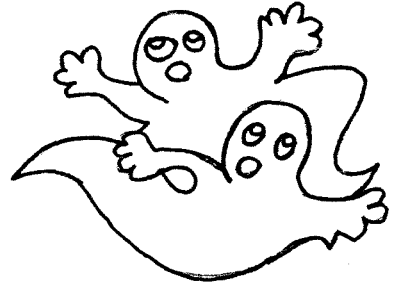
Put this date on your calendar and watch for details in your November Pick & Shovel.

1986 SHOWS & SWAPS FOR YOUR CALENDAR

- October 18-19 Show Fonner Park, Grand Island, Nebraska
October 25-26 Show Hutchinson, Kansas
October 25-26 Show Eastern Federation, Warwick, Rhode Island
November 15-16 Show Chanute, Kansas
November 21-23 Show Rocky Mountain Federation, Phoenix, Arizona
March 28-29, 1987 SHOW Lincoln Gem & Mineral Club, Inc., Lincoln, Nebraska

Please make special note that 'DUES ARE DUE BY JANUARY 1, 1987' and may be paid anytime after November 1, 1986. They will become delinquent January 31, '87 and will require a reinstatement fee after that time. Dues structure is found on the inside of the back cover of each Pick & Shovel. Reason for this early notice is to encourage those wintering in the south to mail early as we will be submitting a new membership list to the Nebraska Association of Earth Science Clubs, Inc. for inclusion in the new Nebraska Directory which NAOESCI plans to publish in February.

Phyllis Parks, Treasurer



"SUNSHINE" ??

Our sunshine has been in short supply this past month but surely "October's bright blue weather" will remedy this.

Scare Tactic ** Armed with a basket of Halloween goodies I answered the door to greet two small trick or treaters. One of the children was wearing a particularly horrible mask and I exclaimed, "Oh, what an ugly face". Immediately a voice called from a parked car in the street "She looks like her father!"

Lois Everett had surgery at Bryan Hospital and we all wish her a speedy recovery.

* * * * *

NOMINATING COMMITTEE MEETING

Nominating Committee Meeting - Tues. Sept. 23, 1986 7:30 P.M.
American Charter Bldg. 4000 South 27th St.

Committee Members present:

Chairman - Claude Scott

Vera Lyman, John Lewis, Jim Parks, Richard Miller

The Nominating Committee is presenting the following slate for Officers of Lincoln Gem & Mineral Club for 1987:

President - Kevin Schwartzman

First Vice - Janet Wright

Second Vice - Jim Parks *

Secretary - Vera Lyman

Treasurer - Phyllis Parks

Board of Directors - 4 needed - Marie Taylor
Fred Holbert
Tom Simmons
Shirley Rockel

Respectfully submitted,
Claude Scott, Chairman

* Nominated from floor at September General Meeting

PRESIDENT'S MESSAGE

Members and friends:

School is going well!

I'm really looking forward to seeing many of you at the October meeting. Hope to see everyone participating in the costume and social time with our usual cookies, cakes, coffee and so forth. If you want to make points with me - wear purple and call yourself 'Amethyst'.

Also hope to see many different phases of our hobby being demonstrated at the meeting, such as lapidary, faceting, carving, fossil preparation, jewelry creation, planning a display, setting a gemstone, using a template, or just choosing the right stone for a certain purpose.

I'm sorry that I won't be able to attend the November meeting as I can't be in Lincoln until Thanksgiving vacation. Also December 6th is just before tests here so I won't be home until the 20th of December. I am looking forward to seeing as many as possible of you during the Christmas vacation.

My brother brought home a copy of Ozark Airlines magazine with an article about Lincoln and a picture of Elephant Hall. I'll bring it home to share.

Just saw an interesting concept in silver earrings that would be a neat idea for the silversmiths in our group. It is a pair of silver disks about 3/4" in diameter with a silver bar attached which accomodates various gemstones set in silver mountings - so you can adapt your earrings to your outfit or mood. The ones which I saw were turquoise, hematite or carnelian.

Hear that I missed a very interesting program which had been planned for the Youth Group but held the entire membership's attention. Sorry that the youth meetings are so short. Perhaps we could do something about that!

Was pleased to hear that you have a complete slate for the 1987 Election as reported at your September meeting. Congratulations to Kevin for presenting such an interesting program on his summer activities and for sharing some of his preliminary 'Thesis' preparation. Fort Robinson and the Ogallala Grassland are full of many memories for most of our LGMC members.

See you October 25th!!

Lyn

To LGMC Members - My personal thanks to the 1985 Auditing Committee for their patience and their attention to detail and a 'sorry you couldn't be with us' to Lois Everett who was in the hospital. The reports are copied and will be at the October meeting for those who did not make the September meeting. If any others are interested let me know when you pay your '87 Dues and I will mail you a copy.

Phillis

REPORT: The 1986 Nebraska State Show Hosted by Fort Kearney Rock Club

On a scale of one to ten I'd rate this years State Show as a $9\frac{1}{2}$ ($\frac{1}{2}$ off for the weather which was not cooperative). This rating for their early planning through the entire show.

Show Chairman Jim Grapes and other members of the club went out into the state early to gain support and to publicise the show. The city of Kearney helped with preliminary packets including information of interest to people planning to attend the show.

The displays were extensive with good participation from the other state clubs, and they had some super displays of artifacts from Nebraska and elsewhere. The show included good dealers as well as many local artists sharing their lapidary expertise. Good food on the premises was an added attraction.

A round of applause and 'Many Thanks' to the Kearney Club officers, members and the 1986 Show Committee on this their 4th State Show.

The 1986 NAOESCI Delegates Meeting was called to order at 1:30 P.M. by NAOESCI President Connie McCartney with 15 of the 19 members clubs represented with delegates. Our club was represented by delegates Marie Taylor and Phyllis Parks, and by alternates Jim Marburger and Claude Scott. Minutes and treasurer's reports were approved as printed.

Program chairman reported limited use of the program materials and it was suggested that more programs might be added to the collection to stimulate interest.

Gem Palette Editor, Henry Hohnholt reported 322 subscriptions at the present time, reminding us to send club news for each publication and that it is a necessity to get each clubs membership list in during January as a new NAOESCI Directory will be printed.

The Board of Directors asked for authorization for the purchase of a new, good typewriter for use of the Gem Palette Editor. Motion was made and approved to do this if it is still necessary at the end of the year. A pleasant surprise was the offer of a good IBM typewriter at the end of 1986 when an enthusiastic member of the Omaha Club is closing his practice. The Delegates applauded.

It was announced that the Saturday evening auction proceeds were \$263.50 with very little expense to be paid.

There had been no bids presented for the 1987 State Show. The Ogallala delegation asked for their club, The Prairie Rockhounds, to host it, approved. Loup Valley Gem & Mineral Club asked to host the '87 State Rock Swap.

The Nominating Committee presented the following slate of officers for 1987 and all were approved. President - Connie McCartney, Vice President - Ralph Knudsen, Secretary/Treasurer - Margaret Hohnholt, Directors - Lloyd Tanner and Eldon Zamzow. Nominating Committee for 3 year tern - Dan Schwartzkopt of Ogalla and Jim Taylor of Lincoln. Walt Johns was named to fill the term of Mr. Eickhoff.

Congratulations and best wishes to all these people who have signified a willingness to accept and serve the members of our state organization.

Now it is time for all Nebraska Gem, Mineral, Fossil, and related Earth Science enthusiasts to start planning their support and help with the next State Show.

Submitted by Delegate Phyllis Parks

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - SEPT. 4, 1986

the meeting was called to order by First Vice Janet Wright on Sept. 4, 1986, at 7:30 P.M. at her home.

Minutes of the May Meeting were read. Motion for approval by Fred Holbert; 2nd by Phyllis Parks. Motion carried.

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

(Only correction in minutes - add Richard Miller as alternate for delegate at NAOESCI Meeting.)

BILLS: Paid but need approval:

\$ 21.26	Vera Lyman - 225 copies pf Pg. 3/4 for May P & S
300.00	University Foundation - '87 Scholarship
152.51	UN Printing - March - 80.70 April - 71.51(P & S)
100.00	State Museum - Dredge - Ogallala project
33.00	Security Storage - June
22.74	Accent Printing - Summer Issue P & S - 75 copies
22.00	Stamps - (100 - 22¢)
25.00	Lincoln Parks & Rec - Bethany Park Shelter (6-28-86)
45.00	NE Center - May Meeting
66.00	Security Storage - (July & Aug)
52.36	UN Printing - May P & S

For approval & payment:

\$ 6.33	Vera Lyman - Copies-Apr Mins 1.48 P & S Folders- 1.77 copies-May Mins & Corr. Fluid-3.08
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Motion for approval by Fred Holbert; 2nd by Marie Taylor. Motion carried.

'87 Show Bill:

\$ 9.89	Janet Wright - 100 small & 50 large (Show flyer production & Printing)
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Motion for approval by Vera Lyman; 2nd by Marie Taylor. Motion carried.

Motion by Fred Holbert that Phyllis renew FirstTier Certificate for 6 mo. @ 5.40%. 2nd by Vera Lyman. Motion carried.

Received Thank You from R. George Corner for \$ 100.00 donation from Club for dredge.

OLD BUSINESS:

Motion by Vera Lyman that \$ 150.00 be paid to delegate for MWF-AFMS Show Convention. (Susan Taylor) 2nd by Phyllis Parks. Motion carried. Report will be printed in P&S, but Susan will also give oral report at Sept. Meeting.

Phyllis Parks reported receiving check for \$20.72 from U.S. Post Office for cancellation of #709 Imprint Permit. (6-17-86)
Permit #161 is Cancel Stamp Permit.

Audit will be ready for September Meeting.

Treasurer reported \$ 40.30 received at August Meeting through Silent Auction & donation to cover meeting expenses.

(\$7.00 - Ice Cream \$2.43 - Plates & Cups \$25.00 - Park Shelter)

- continued

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

NEW BUSINESS:

General Meeting, Oct. 25, 7:30 P.M. Juniors meet at 7:00 P.M.
 At Bethany Park Shelter. Bring cookies or cakes for refreshments.
 Come in "Rockhound costume" for Halloween. Linda Parks will be back.
 There will be demonstrations instead of program. For one - Phyllis &
 her iron skillet!

Nov. Meeting - Nov. 29 with refreshments: check with rank & file.

Discussion of Christmas Party - Dec. 6.

Board Meeting - Mon. Oct. 6, 7:30 P.M. - 40th & South, Am. Charter.

Board Meeting - Mon. Nov. 3, 7:30 P.M. -

NO COMMITTEE REPORTS. Meeting adjourned.

Respectfully submitted,

Vera Lyman
 Vera Lyman, Secretary

IGMC Treasurer's Report-September 1986	NBC Checking 9/1/86	\$ 34.34
	Adj.per '85 audit	- .18
		<u>34.16</u>
Receipts: U.S.P.O.-refund '84 bulk mail	20.72	
First Tier-Interest 6 mo.C.D.	548.68	
IGMC ck.no.1931 returned uncashed	<u>25.00</u>	\$ 594.40
Payments: 1987 Show Fliers for early prom.	9.59	
Postmaster-precancelled stamps PS	62.50	
1986 MWF Delegate	150.00	
Copies & PS Supplies	6.33	
UNL Prtg.Dupl. Sept. P & S	53.66	
City Park & Rec.-October Meeting	25.00	
Security Storage October	<u>33.00</u>	\$ 340.08
	NBC Checking 9/30/86	\$ 288.48

LINCOLN GEM & MINERAL CLUB, INC. - General Meeting - Sept. 27, 1986

NE Center - Norfolk Room - 7:30 P.M.

Meeting called to order by First Vice, Janet Wright:

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

Motion for approval of the treasurer's report as printed by Wm. Rockel; 2nd by Lillie Lewis. Carried.

23 members & 4 juniors present. Guests were: Susan Otto & son, Jason Billie Heffelbower & Jerry Lippencott

OLD BUSINESS:

Audit Report by Dave Heffelbower. Shirley Rockel, Dave Heffelbower & Treasurer met on Wed. Sept. 24. Copy of audit given to members.

Announced that Lois Everett had surgery and was at Bryan Hospital.

NEW BUSINESS:

MWF Convention Report by Susan Taylor.

Reported that LGMC has been a member of MWF for 25 years.

Connie McCartney & George (Chic) Chihauchic received special awards in their special fields.

MWF has started an Endowment Fund - Special Auction receipts at every Federation Show will go to this fund. Donations are accepted. Susan suggested LGMC donate \$ 200. to Endowment Fund.

NOMINATING COMMITTEE REPORT: By Vera Lyman for Claude Scott.

Nominees listed in special report. Copy on pg. 2 of P & S.

Calls for Nominees made by acting Pres. Janet Wright for each office: Jim Parks nominated for 2nd Vice by Phyllis Parks.

CHRISTMAS PARTY: Saturday December 6 at 6:00 P.M.

Choice of 2 locations - NE Center

- Antelope Park Shelter w/food catered.

Voted on location: NE Center = 10

Antelope Park = 5

Christmas Party will be held at NE Center.

STATE SJPW Report printed in P & S.

MEETINGS:

General Meeting - Oct. 25 - Bethany Park Shelter - Bring cookies or cake. There will be hot cider & tea. Linda will be back. Come in costume. It will be Halloween.

General Meeting - Nov. 15 - NE Center - Norfolk Rm. ELECTION NIGHT.
(PLEASE NOTE EARLY DATE OF MEETING)

ANNOUNCEMENTS:

Grand Island Show - Oct. 18 & 19

Topeka Show - Oct. 11 & 12

Oct. 10 - Friends of Museum "Open House" - New Asian Exhibit of Ivory and Jade carvings.

PROGRAM:

Presented by Kevin Schwartzman on Summer job at Fort Robinson-Crawford area.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

BADLANDS - BLACK HILLS - SAND HILLS

Myrtle and I have enjoyed countless trips to the areas titled during our 63 years together, but the ten days tour of early September 1986 was one of the best ever; thanks to L.G.M.C. members Dr. and Mrs. Gilbert Lueninghoener of Fremont.

This trip was especially great because Gilbert is Geologist and Astronomer recently retired from many years of distinguished service at Midland College. There the principal science building with its planetarium and well-equipped astronomical observatory bears his name; and Florence is no novice in science fields. So it was a rare tour in which I was not the driver, dating back to Model-T days. Gilbert has sponsored and guided many Midland College student tours. He pointed out and explained many geological features as we went along. At Rapid City Myrtle and I visited several relatives while the Lueninghoeners viewed Bear Butte and Devil's Tower; which we had seen before. Florence and I decided to report different parts of our Journey.

The first night (Sept. 8) out from Fremont was at Ainsworth. Enroute we detoured to see the scenic Niobrara crossing north of Newport where the proposed Scenic River designated section down from Valentine may end. There is divided opinion about that whole plan locally and nationally. We returned to Highway #20 via Springview, and stopped at the new Keller Park just southwest of the Bone Creek bridge; it is surprising in extent.

From Valentine we went to Murdo, S. Dak. through Mission. At Murdo our first stop was at the Jones County High School grounds to inspect the 600 lb. chunk of petrified wood Myrtle and I had donated to the then Murdo High School in the spring of 1923; we found it in the Badlands, and borrowed a truck to get it. I had been Principal, coach and science teacher in Murdo in 1922-23. The fossil wood had "lost" a little surface volume in 63½ years. Murdo's chief attraction now is its great museum collection of antique autos and other items; also the renowned June Culp Zeitner gem display is a charming, recently added feature. Gem and mineral devotees nationwide know of June and her honors, writings and Lapidary Journal connections. She had her early teaching experience at Mission, S.D. about 50 miles south of Murdo, where she and her husband began the gem hobby; many of us have visited their fine shop and museum as we passed through that little Indian Reservation town. The Murdo Auto museum is one of America's greatest.

We left Hy I90 at Cactus Flats and enjoyed the Cedar Pass Visitor Center below the Pass, the main eastern entrance to the Badlands National Park which contains much of the unique formations in an irregular area over 50 miles long and parallel to the White River. Some nervous tourists may get the "jitters" when touring these fantastic erosions; but we do not. We stayed overnight at the famed small town, Wall, made a tourist mecca by the clever, almost world-wide unique highway advertising by Wall Drug Store.

Our longest stay, 5 days, was at Rapid City, the Black Hills "metropolis". We "headquartered" with one of Myrtle's 4 relatives homes, while Gilbert and Florence "did" the Bear Butte and the Devil's Tower areas. Our haven was the Canyon Lake home of Myrtle's niece, Dr. Patricia Fallbeck and her husband, Tom Timmons, both Rapid City educa-

BADLANDS - BLACK HILLS - SAND HILLS - continued

tors. They escaped Canyon Lake deluge a few years ago by climbing out a rear window and over a stone wall to higher ground in the blackness of night. Improvements in the flood water situation since that disaster are assuring. One of Rapid City's great attractions in the School of Mines Museum, which story Florence will include in her Pick and Shovel article.

On our way toward Mt. Rushmore and its "4 faces" we took time to stop at the famed Reptile Gardens. Myrtle and I had neglected to see them during numerous Black Hill trips and we were amazed at the magnificence of that attraction; not to be ignored as just a place of slithering reptiles! We found Mr. Rushmore to be the Black Hills' greatest tourist mecca. The faces are unchanging, but the tourist facilities have been enlarged and improved. A few minor aging cracks in the faces are promptly repaired.

After Rushmore our next stop was at Crazy Horse Memorial where we were honored and delighted with gracious, 4 hour personal guidance by Ruth, widow of Sculptor, Mountain-Carver Korczak Ziolkowski. He dedicated his life and genius to carve the World's largest sculpture, depicting the Indian Crazy Horse on his horse with outstretched arm, pointing toward the lands once part of Indian possessions. Korczak died on Oct. 20, 1982, leaving written instructions directing the work of completing the gigantic task. Ruth and most of their capable children, 5 boys and 5 girls are busy carrying on with the work which may take years to finish. The length of time is very difficult to determine. The project is self-supporting, and no tax supported funds are accepted. Korczak began it in 1947, nearly penniless, living in a tent, with practically no equipment.

At Hot Springs we skipped the nature-heated plunge and went on to the Mammoth Fossil Site on the city's south-west edge. This was discovered in 1974 by housing excavation workers. Probably 100 elephants perished there in a treacherous spring-fed sink-hole about 20,000 years ago. A 20,000 square foot permanent structure now houses the exposed bones in the original position for visitors to see and photograph. There are many display cases with fossil related objects. Guide service is given.

Near oglala, S. Dak. we photographed Chief Red Cloud's burial place in a cemetery by Holy Rosary Mission; we then started home via Rushville, Nebraska, Valentine, Thedford and Grand Island; and arrived on Sept. 18, one day ahead of schedule after 10 days of enjoyment on this vacation to the Black Hills; everything beautiful and green this year. The Sand Hills were never more fascinating!

- Submitted by J.D. Young

BLACK HILLS ODYSSEY

Late summer brought the fulfillment at last of a dream Gilbert and I had for some time: a trip to the Black Hills with Myrtle and J.D. Young. As we shared the trip, we agreed that we would share the writing of it. Our enjoyment was much enhanced by Myrtle and J.D.'s accounts of their many earlier experiences throughout the area. It was also enhanced by the friendship of their dear Ainsworth and Rapid City relatives, whom I have long known.

Rapid City's museums and art centers were among our special attractions. The Museum of Geology on the campus of the School of Mines and Technology was an old friend with a new look. Because western South Dakota is famous for its fossils from the Badlands and its many minerals from the Black Hills, many outstanding specimens are exhibited here. Fossils include skeletons of giant reptiles and fish from the Cretaceous seas of South Dakota. Minerals have been collected from all over the world, some of them rivaling even those in the Smithsonian. All this is part of the teaching and research facility of the college, which last year celebrated its one hundredth anniversary. For some reason, though, we didn't see as many gorgeous Fairburns as had been displayed in earlier years. I wish I had thought to inquire of the long-time friend and recently retired professor who joined us there to serve as our personal guide.

The Sioux Indian Museum and the Minnelusa Pioneer Museum, housed in the same building in Halley Park, provided interesting displays of Indian arts and crafts, including fine beadwork. The Pioneer Museum leads one to marvel again at the paradox of simplicity and complexity in the everyday lives of our forefathers not so many years ago.

The Dahl Fine Arts Center, which we visited especially because our next-door neighbor in Fremont is to have an exhibit there next July, was an unexpected reward. In addition to the fine paintings, pottery, and other crafts, many of them the work of local Indian artists, the visitor is entranced by the Cyclorama of American History, 200 feet long and 10 feet high, created by artist Bernard Thomas. Housed in its own circular room, the Cyclorama tells the story of the history of the United States from birth to the Space Age by means of special lighting and narration to lead the visitor through its broad, circular sweep. We ourselves were so entranced with a painting of a group of small trees against a storm background that we purchased it, a purchase which was to lead to greater adventures at Devils Tower.

Primed by our experiences at the Museum of Geology, Gilbert and I set out for Bear Butte, stopping enroute at the Petrified Forest and its rock shop near Piedmont. We had expected to visit some of the caverns along the way, but they were already closed for the season. This rock shop is definitely worth a visit: fine specimens, reasonably priced; knowledgeable owners, such as Jerry Teachout, an amateur geologist turned professional, who seem to prefer nothing more than discussing the theories of local geological history or sharing tips on lapidary techniques. We left with a sense of satisfaction and fun, as well as with some special treasures.

Bear Butte, named Mato Paha or Bear Mountain by the Sioux Indians, was our next destination. It has long been a favorite for both of us, not

only for its geology but also for its special religious significance to a number of Indian tribes. The Cheyenne, Sioux, and others still make pilgrimages to this "sacred Mountain" to renew the powers of their sacred emblems and to fast and pray, make sacrifices and present offerings. Brightly colored prayer cloths with offerings of tobacco tied in them can be seen fluttering in the trees on Bear Butte at any time. Artifacts of prehistoric man dating back to 10,000 years and a campsite more than 4,000 years have been found near Bear Butte. We were surprised to find that we had arrived at Bear Butte on the very last day of the season for the Visitors Center to be open. As we watched slide programs, the ranger began disassembling the exhibits for winter storage. When the chief ranger came to collect his personal property, we were delighted to find that he was Charles Rambeau, with whom the Youngs and I had visited years ago.

Enroute to our next destination, Spearfish, we detoured through the small town of Whitewood to find the little park where Gilbert and his fellow students from the University of Iowa had camped in tents for five weeks in the summer of 1930 as part of an eight-week geology field study. Now somewhat overgrown and encroached upon, it is still there. Later we were to find in Deadwood another important evidence of that summer: the exact and highly visible line of contact between the Deadwood Formation sandstone (Upper Cambrian) and the Precambrian metamorphic igneous complex. Gilbert's summer in the field made this trip so much more memorable for all of us.

It wasn't Spearfish itself that was important to us, but rather its position at the entrance to Spearfish Canyon, leading to the tiny town of Savoy. It was at the edge of Savoy, beside Spearfish Falls, that Dr. John G. Neihardt and his mother spent the summer of 1907 in a little cabin with the Grand Island and Wyoming Central Railroad running literally past the front door. This was the setting for the story of the dog Shep, to be told much later in the chapter "An Overnight Journey" in the second volume of his autobiography, Patterns and Coincidences.

Myrtle and J.D. had taken Dr. Neihardt back to Savoy in later years, and, still later, had taken me there. Of course the railroad had long ago disappeared. Spearfish Falls was no longer the "Little Niagara" of Neihardt's memory. The cabin had been enlarged into a comfortable little home, and the front door had become the back door. But the current owners of the cabin were friendly people and the visit was delightful. Now I wanted to show it to Gilbert.

Though the owners were not this time at home, the cabin was still well kept and the visit was a thrill rather than a disappointment. The early fall scenery was beautiful, and Spearfish Falls still murmurs, if it doesn't roar, as it makes its 60-foot drop. Perhaps most satisfying of all was seeing that the split in the "mountain" called the Needle's Eye is still there, perhaps even a little enlarged. The early morning light through this split used to waken him, Neihardt said, with the warning that "it would be getting on toward time to go fishing."

A few miles farther up the canyon we found the livelier Roughlock Falls, so named because the canyon walls were so steep that wagon wheels had to be "rough locked" coming down the trails to keep the wagons from running over the horses. This was done with specially forged chains, alternating round and oval links, using boards when necessary, to make the wagons slide rather than roll. It was still a dangerous procedure. Now a fine park with campground accessible by paved road welcomes the visitor.

After we had retraced our Spearfish Canyon route, Interstate 90 led us to Sundance, named for the religious ceremonial sun dances of the Plains Indians. The town itself would hardly rate a second glance, but its Bear Lodge Motel is a good place to stay when one is on the way to Devils Tower. The Indian name for Devils Tower, Mateo Tepee, means "Bear Lodge." The town does have a modern hospital with a special Pain Center, which seems unusual in a place of 1,087 population.

As we drove northwestward on Highways 14 and 24, on a convergent path with the Belle Fourche River, our first center of interest lay in the relationship of a seemingly small thumb-like structure to several rounded outcroppings beyond it. These, of course, were Devils Tower and the Missouri Buttes. Then trees obscured our vision for a short while. Perhaps the trees ended. Perhaps we crested a hill or rounded a curve. Suddenly all awareness of surroundings ceased. The Tower in its stark, magnificent beauty exploded upon the senses. The only possible reaction was: "There it is!"

But the story of Devils Tower deserves more attention than can be given it here. It will have to wait until the next issue.

--Florence (Boring) Lueninghoener

* * * * *

JUNIOR'S PAGE

A special thanks goes to our Juniors for their help this last month. Garen wrote a report on the Junior's Summer Field Trip. I really enjoyed reading the report. I had already forgotten how hot it was that day. We will send Garen's report off to Ruth Hammett for publication in the next Future Rockhounds of America Bulletin. Brian was a big help also. He found an excellent program for the Junior Meeting. Jerry Lippencott is the name of the speaker that Brian invited. Kids and adults alike enjoyed Jerry's presentation on Iceland. We are looking forward to a return engagement when Jerry will talk about the Volcanoes of Iceland.

REMEMBER TO COME TO THE OCTOBER MEETING DRESSED AS YOUR FAVORITE

ROCK OR MINERAL!!!

The September/October issue of the Future Rockhounds of America Bulletin just arrived today. It has some exciting news that I'll share with you at the next meeting.

Jan

From your Librarian -

I wish to thank Glenna McGinnes for the slides which she gave to the library. Many are from our 1974 National Show and the rest from other shows as yet unidentified.

Thanks to Roger Pabian for Geology of Franklin, Webster and Nucholls Counties, Nebraska by the Geological Survey Bulletin 1165.

Phyllis Parks has added "Rockhound Rhymes" by George 'Chic' Cihacek, 2nd Edition. Mr. Cihacek who has shown much beautiful lapidary work at our shows, won an award from Midwest Federation and from American Federation for this book in the 'Special Publications' class at the combined show and convention this past summer.

TO A TRILOBITE

Over six hundred million years ago
You crawled through mud and slime,
Your movements were so very slow
Though you were in your prime.

Through Devonian to Mississippian,
In these times you multiplied.
You weren't doomed to oblivion
For now you're glorified.

You give much joy to those who find
Your body trisegmental,
Preserved for eons out of mind,
Your find is monumental.

Thanks 'Chic', from your "Rockhound Rhymes"

Notice to subscribers of GEMS & MINERALS magazine: You may get a refund by writing to their office at 1185-E Linda Vista Drive, San Marcos, CA 92069. If you have an old address label send it with your request for a refund.

via American Federation Newsletter

Liked the way this was written up in Chip and Lick of the Miami Valley, Ohio Gem and Mineral Club for September 1986.

IMPORTANT INFORMATION!!!

Each year our show seems to unfold beautifully without a hitch, all by itself. It appears this way because the people in our club work hard to make this happen. There are many, many very important jobs that need to be done, some that are seen but many jobs that are unseen and people who are unthanked. And, this is what makes us successful. So, if you can help in any way at all, please don't wait to be asked. Just come running, begging, pleading, grabbing, etc, to help do something seen, unseen, or behind the scenes. We Guarantee you will be either thanked or unthanked, and definitely greatly appreciated for your effort. Ask not what your club can do for you, Ask what you can do for your club.

You can't leave footprints in the sands of time by sitting down!

Via Otago Gemlap News by way of Breccia September '86

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President's September Message



It is my pleasure to report that the combined AFMS-MWF show at South Bend was a great success. This show was five years in preparation and planning by all the Michiana Gem and Mineral Club. Congratulations for a job well done! Among the outstanding features were the 527 exhibits, a very successful MWF scholarship auction, an impressive ribbon cutting, the entertainment of the triple shaker chimes; all this and more to make a very memorable occasion.

All our member organizations will receive a survey form with this newsletter. Please take time to complete and return this form. The results of the information gathered will be used for future planning of the operation of your Federation. Bill Parch, MWF President

NEW SLIDE PROGRAMS TO SHARE--Louise Stinnett

Two new slide programs have been reviewed and approved by the MWF Education committee. Please place these descriptions in your PROGRAM SUMMARIES issued in 1985. If your club does not have its copy, contact your State Director for a free copy or order from Gordon Boone, MWF Supply Chair, enclosing postage.

#147 -80 slides on DEATH VALLEY, an interesting trip into Death Valley. These show the beauty, dangers, legends and minerals of the area. This was donated by Clara Courter in memory of Ellis Courter. The MWF thanks you, Clara. Mr. Courter established the MWF film library in the '60s. He prepared the first 49 programs, many now retired due to fading of the slides.

#148 - 130 slides STORY OF MICHIGAN COPPER, a history of copper mining in Michigan's Upper Peninsula. The slides begin with pre-historic Indians and continues through the Homestead Mine. Dorothy Tubbs, the film's designer, used photos from old books for the historical section so some slides are black and white. Presented to the MWF Film Library by Frazer Tubbs in memory of Dorothy. Cost of this project was underwritten by the Ishpeming Rock and Mineral Club of MI. Our appreciation to Frazer and the club.

THE SHOW

It's over! A show of shows! The AFMS/MWF show held at the Athletic and Convocation Center, University of Notre Dame, South Bend, IN. Jim Russell and his able crew of volunteers of the Michiana Club hosted this show and it was a tremendous effort which we all enjoyed.

Many folks seen at previous shows were not present so the editor gives a bird's eye view of the entire event. Well, almost the entire show.

Midwest Federation NEWSLETTER

From the moment of entering the show with your ticket to education and enjoyment, until you left, you were gifted with sights to behold!

Each state of the MWF had a case of fossils, rocks, minerals or all three combined. The cases were neat, interesting and beside each state case was material relative to the area. Maps, Chamber of Commerce bulletins, etc., were free. State flags were in evidence too.

The MWF supplies were all shown for delegates or anyone to purchase. Club officers/delegates could receive free: 1 copy of the Regional Uniform Rules and National Trophy Rules as well as Guidelines for Swapping. If your club does not have these two free publications write to Gordon Boone, 180 Brook Lane Ave., Holland, MI 49423. See page W-6 of the 1986-87 Directory. (Some people do not know that W stands for the white pages of the Directory) Send 75¢ postage to cover.

Over 125 competitive cases used the efforts of 32 judges and two secretaries. These folks really gave much time and effort in enumerating strengths and weaknesses in each show case.

Programs planned by the committee were introduced and well attended. "An Adventure in Collecting at the Caledonia Copper Mine, Ontonagon, MI" by Richard Whiteman, had standing room only. Mr. Whiteman revealed as owner, that a new mine entrance has been built and that the Federal inspectors were well satisfied with efforts made to reopen the mine. The mine is large and will need much work to be the "answer to my prayers", stated Mr. Whiteman. Slides showed the mine in winter and as it looked when he first took it over.

"The Artistry of Gwen Swanson's Jewelry". was given by Doris Kemp, a friend and artist in her own right. Gwen's jewelry was shown in a case by Russ and Doris Kemp. Gwen's work was on the cover of LAPIDARY JOURNAL for July 1986. Beauty galore was ours to see.

Dr. Mark Reshkin stressed the four glacial periods in his slide presentation of "Formation of Lake Michigan and the Indiana Dunes." These glaciers shaped the land, leaving morains, rivers and lakes in their retreat. A most informative hour.

AFMS trophy winner, Bruce Lundin, gave step by step instructions for the "Art of Makume". This is a process where four or five 1 x 3" pieces of metal, layered together are soldered and then rolled to form thin sheets to be used in fine jewelry.

The last program of the show was "Meteorites--the Cosmic Messengers". This was given by Dr. Paul Sipiera of William Rainey Harper College, Palatine, Il. He was one of a group of scientists to Antarctica to look for, find and study meteorites. It is thought that 2500 meteorites were picked up from 1492-1962. But from 1969-1985 over 12,000 were gathered. In Antarctica all countries cooperated in a study called, "Falling Stars". A meteorite is really the Rosetta Stone of the Universe. It tells us the stuff of which the planets are made. Scientists can tell, by chemical exam where in the solar system a meteorite originated, how long it was in space, and its age.

If you saw a meteorite fall--or think you've found one, the speaker would like to check it. If the piece is too large to send, break off a chunk and send to: Paul P. Sipiera, Dir., Center for Meteorite and Planetary Study, William Rainey Harper College, Palatine, Il 60067.

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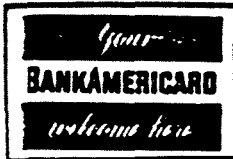
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Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance. 1/2 page \$7.50, 1/3 page \$5.00 1/4 page \$3.75 (min). These ads will be placed throughout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

DON'T FORGET - October Meeting at Bethany Park Shelter - Oct. 25
Remember to bring cookies or cake for refreshments
and come "dressed for the occasion"!

PLEASE NOTE - November Meeting is being held on Thanksgiving Weekend! !

- NOVEMBER 29, 1986 at 7:30 P.M. NE Center Norfolk Room
Also election of Officers for 1987! Show your support!

CHRISTMAS PARTY - Saturday, December 6, at 6:00 P.M.



h.e.l.p.

HELP ELIMINATE LITTER PLEASE!

MAIL ALL EXCHANGE BULLETINS TO:

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



Edward Ridge
2507 'A' St.
Lincoln, NE 68502