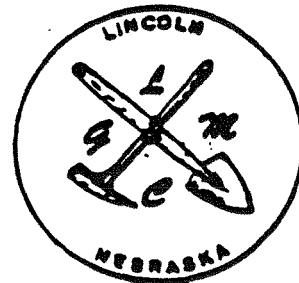


THE PICK & SHOVEL

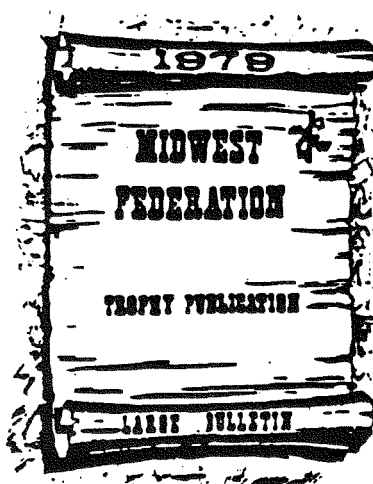
MAY 1985



In this issue

"CALIFORNIA No. 1 and U.S. No. 10
Librarian's Report

"OUR NATIONAL PARKS AND
MONUMENTS--PATR II



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) (Life membership)
Community Arts Council of Lincoln (CAC)

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

1985 ELECTED OFFICERS:

President	Claude Scott	4917 Normal Blvd.	Lincoln, 68506	488-0739
1st Vice Pres....	Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
2nd Vice Pres....	Linda Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Secretary.....	Vera Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	Mark Mercier	3316 'R' St.	Lincoln, 68502	476-6242
Board Member....	Jim Stewart	1339 Eastridge Dr.	Lincoln, 68510	489-2867
Board Member....	Marie Taylor	910 New Hampshire	Lincoln, 68508	476-3707
Board Member....	Janet Wright	3715 S. 33rd St.	Lincoln, 68508	488-1884

NOMINATING COMMITTEE -- 3 years: Vera Lyman, John Lewis
2 years: Jim Parks, Ervin Marshall
1 year: Richard Haney, Wilfrid Wittmann
Jim Taylor, Chairman

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Marie Taylor, Vera Lyman 3 years - Jim Taylor, Irl Everett
2 years - John Abel, Roger Pabian Jim Taylor, Chairman

STANDING COMMITTEE CHAIRPEOPLE:

Calling.....	Phyllis Parks	Membership.....	Linda Parks
	Marie Wells	MWF Liaison.....	Marie Taylor
Education/Publicity...	Roger Pabian	Programs.....	Bob & Mary Walker
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Hospitality.....	Susan Taylor	1985 Rockhound/yr...	Roger Pabian
Housing/Property.....	Claude Scott	1985 Annual Show...	Vera Lyman
Junior Activities.....	Janet Wright	1986 Annual Show...	Fred Holbert
Librarian.....	Jim Parks	Christmas Party....	Marie Taylor

AUDITING COMMITTEE 1984.....John Abel, Ervin Marshall
Virginia Green, Phyllis Parks, Treas.

PICK & SHOVEL STAFF:

Editor.....David Heffelbower 1819 Washington, Lincoln, NE 68502
Asst. Editor....Vera Lyman 420 N. 56th St. Lincoln, NE 68504 (NAOESCI)
Sunshine Corner..Susan Taylor
Reporters.....Julius Young, "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.

GENERAL MEETING: May 18th, 1985; 8:30 P.M.
 The Nebraska Center
 33rd & Holdrege

JUNIOR MEETING: 7:00 P.M. Same date
 Same meeting place

PLEASE NOTE THE CHANGE FROM OUR REGULAR MEETING DATE: DUE
 TO MEMORIAL DAY THE MEETING TIME HAS BEEN ADVANCED!

* * * * *

COMING SUMMER EVENT: The club has been asked to present a display and demonstration at the Chet Ager Nature Center at Pioneer's Park on July 27th, 1985. After the demonstration is over, there will be a club picnic at the park.

* * * * *

JUNE 1, 2	Fort Butler Rock & Gem Club, Hebron, NE	SWAP
JUNE 8, 9	Northeast Nebr. Rock Club, Norfolk, NE	SWAP
JUNE 15 & 16	Homestead Gem & Mineral Club, Beatrice, NE	SWAP
Aug. 17 & 18	Loup Valley Gem & Mineral Club, Columbus, NE	SHOW
AUG. 31-SEPT. 1	Northwest Nebr. Rock Club, Crawford, NE	SWAP
SEPT. 7, 8	Fort Kearney Rock Club, Kearney, NE	SWAP
SEPT. 21, 22	Grand Island Earth Science Club	SWAP
SEPT. 21, 22	Plains Rock & Mineral Society, Kimball, NE	SHOW
SEPT. 21, 22	Nebraska Mineral Club, Omaha, NE	SHOW
SEPT. 27, 28, 29	Platte Valley Rock & Mineral Club North Platte, NE	<u>STATE SHOW</u>

Regional Show Schedule 1985

CALIFORNIA	EASTERN	MIDWEST	NORTHWEST	ROCKY MOUNTAIN	SOUTH CENTRAL
Ventura	Charleston	Sioux Falls	Burley	Denver	Wichita Falls
California	W. Virginia	South Dakota	Idaho	Colorado	Texas
July 26-28	June 20-23	July 18-21	August 2-4	Sep. 13-15	April 5-7

AN ANOLOGY ON LIFE

I asked God for strength, that I might achieve
I was made weak, that I might learn humbly to obey...
I asked for health, that I might do greater things,
I asked for riches, that I might be happy,
I was given poverty, that I might be wise...
I asked for power, that I might have the praise of men,
I was given weakness, that I might feel the need for God...
I asked for all things, that I might enjoy life,
I was given life, that I might enjoy all things...
I got nothing that I asked for-- but everything that
I had hoped for,
Almost despite myself, my unspoken prayers were answered,
I among all men, am most richly blessed!

-- Author Unknown

Via the G. I. NUGGET

* * * * *

NOTICE

EXHIBITS FOR SIOUX FALLS:

Anyone who plans on bringing competitive or non-competitive displays to the Midwest Show in Sioux Falls, July 18-21, and does not have an exhibitor's entry blank, should write to:

Vivian Andrews
E. Hwy. 34
Madison, SD 57042

I was very pleased with the number of members from the Lincoln Gem and Mineral Club who attended and displayed at the Hastings show the week-end of April 26-28. The clubs in Nebraska have always been very good to support one another's shows. The feeling of cooperation helps to make a bigger and better show for the host club.

We in Nebraska are fortunate to have the Midwest Federation show as close as Sioux Falls, South Dakota. When visiting with club members I find that many of our members are planning to go. Lincoln will be well represented, as will all of Nebraska.

When I read through the April issue of the Gem Falette, it was gratifying to read the complimentary comments that other clubs made about our Lincoln show in March. We are already working on the plans for the 1986 show. Fred Holbert is the '86 show chairman.

The general meeting on May 18 will be the last one before we break for the summer. We certainly will not be idle during the summer. Some of the activities in the planning stage are:

(1) Grinding and polishing demonstrations on July 27 at the Chet Ager center at Pioneers Park. This will be much like the demonstrations that we put on there in 1983, and they were well accepted. This will be followed by an evening picnic in the park.

(2) I have received a letter from a California collector who spent six weeks wandering through Australia, digging for opals and sapphires. She is going to be in our area in August, and would like to meet some of our members at an informal get-together and swap Australian semi-precious stones for local stones.

(3) We will try for a picnic in addition to the one on July 27, in connection with the Chet Ager activity.

(4) A summer field trip would be nice, if one can be arranged.

See all of you on May 18- one week early.

Claude

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

On Friday evening, April 12, 1985, the Nebraska State FFA banquet was held at the Nebraska Center for Continuing Education on the East Campus of the University of Nebraska - Lincoln.

This was the culmination of a week of activities involving the Future Farmers of America for various Nebraska communities at their annual State Convention. Many of these high school FFA members were competitors for the various awards presented during the week.

The banquet on Friday evening was the occasion for presenting special service awards to fourteen persons. These presentations were made by the various state officers. The State Secretary announced that the three VIP presentations would be made. Each award was given a special name and each recipient was to come forward after being introduced. The impression of the recipient is that the "Blue and Gold Award" is the top award which was the last award made. It was to the surprise of the recipient, Miss Adeline E. Nolde of Lincoln, that she was given the "Blue and Gold" award for having designed the FFA emblem which is the national emblem.

She was the guest of a young escort, Robert Maddox, one of forty-two of the Lincoln Northeast High School FFA members. She was seated with this group which added to the happiness of the event, because she was a 1933 graduate of Jackson High School in University Place. Jackson High, Havelock High and Bethany High Schools were combined to make Lincoln Northeast in University Place. Robert escorted her to the stage for the "Blue and Gold Award." After the receipt of the award Miss Nolde was given a standing ovation by the group of approximately 600 persons. All of the FFA members wore their jackets which added much to the impressive and overwhelming event.

The young FFA members are to be commended for conducting the award ceremonies with the grace and dignity of their organization. To have the emblem as a part of their organizations ritual is indeed an honor to the recipient. The impact of finding out about the designer of the emblem added to the excitement of the occasion for the FFA members, former members and teachers.

While employed as a secretary in the State Department for Vocational Education she worked for the various supervisors in the department. Among them was L. D. Clements, State Supervisor for Vocational Agriculture, who knew she liked to draw and asked if she would like to make a design for him. He told her what he wanted as component parts in the design. Miss Nolde does not recall when she saw the first jacket. Since she was a teenager, herself in 1934 the design was all in a days work. She was totally unaware of what was to become of it. She does recall having to draw the design on a mimeograph stencil which was the cover of a brochure having about 35 pages of which she mimeographed thousands of copies. She remembers a meeting was held that October or November for which it is possible these brochures were made. Miss Nolde had the original drawing until about 1970 when she decided to discard a lot of things at home. She threw it away. This brought a number of sighs at the banquet, because they could have put it in their archives.

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Apr. 4, 1985

The meeting was called to order by President Scott on April 4, 1985 7:30 P.M. at NE Hall, Rm 115 with 8 Board members present. Mark Mercier was absent due to prior committment.

Minutes of the March Meeting were read. Motion for approval by Marie Taylor, 2nd by Jim Stewart. Carried.

Treasurer's report was read. Motion for approval by Roger Pabian, 2nd Marie Taylor. Carried.

SHOW BILLS: Paid but presented for approval:

\$ 26.00 Stapler & staples for stapling table paper.
Programs at Show:
\$ 25.00 David Nixon
25.00 Walter Erbach
25.00 Don Johannes (donated to Howard Taylor Scholarship
25.00 Jeff Ulrich (returned to Show Comm) Fund)
25.00 Bruce Koci
25.00 Roger Pabian
25.00 Nan Linsley Griffin
25.00 Gilbert Lueninghoerner
25.00 Irl Everett
15.00 Garin Miller (Junior member)
\$ 193.60 Pantry Restaurant - Sat. night Awards Dinner guests
230.00 Harry Stewart - Fri. & Sat. night security
51.96 Accent Printing - (38.44) Hand-out programs
(13.52) Additional Show Flyers
106.66 Service Sign & Lighting - Sign at 17th St. gate
56.70 Sun Newspapers - Display Ad
5.25 Susan Taylor - Misc for Awards programs
1.67 Jim Taylor - Cert. Letter to Francis Latimer
40.95 Journal-Star Printing Co. - 4 Classified Ads
For approval and payment:
\$ 12.87 Vera Lyman - Phone calls 2.16 Copies .31 Post. 1.54
Misc. supplies for Show 8.86
1207.50 NE State Board of Agriculture - Ag Building, 3 days
35.00 Allen D. Moeller - Rental of Sound System at Show
150.00 Alexander & Alexander - Comp. Gen. Liab. Ins.-Show
693.76 AAA Rents - Tables & drapes
47.43 Page Trophy Shop - Show Ribbons
11.41 Claude Scott - Light bulbs for Show cases
4.60 Page Trophy Shop - Green Rock Contest Trophy engraving

Motion for approval of all Show bills by Roger Pabian, 2nd Jim Stewart. Carried.

CLUB BILLS: Paid but presented for approval:

\$ 46.34 Refreshments for set-up day at Show
25.48 Apr. Storage Bldg (Pro-rated back to March because
it was not a full month)

For approval and payment:

\$ 9.73 Connie McCartney - New ID Plaque for NACFSCI Case
56.28 United Typewriter - Electric Stapler repair (P&S)

Motion for approval by Marie Taylor, 2nd by Jim Stewart. Carried.

Board of Directors - Apr. 4, 1985 - continued

OLD BUSINESS:

Auditing of '84 is not done. President appointed Vera Lyman as chairman of auditing committee. Will be done as soon as Phyllis can get her materials ready.

Need to appoint new Resident Agent for Club. Needs to be someone who is generally in town for any legal services. Phyllis Parks was nominated by Board to replace Lois Everett who had served in this capacity since origin of Club.

Janet Wright reported she did not enter All-American Club Contest due to lack of materials supplied. She will assume responsibility again for next year's entry. Club must work real hard toward this goal. Roger Pabian suggested Club purchase a Poloroid camera for taking pictures at events, displays, etc.

NEW BUSINESS:

There were numerous favorable comments about the Show Floor Plan. Motion was made by Vera Lyman that we use the same floor plan at our Annual Show from year to year as long as it meets our needs. 2nd by Roger Pabian. Carried.

Motion was made by Vera Lyman that remaining monies from Show Raffle (\$ 45.) be donated to NE Academy of Sciences Scholarship Fund. 2nd by Roger Pabian. Carried.

Roger submitted 2 programs to Louise Stinett, Program Chairman of MWF at MWF Convention meeting. (Nebraska Gemstones) (Lake Superior Agates) MWF has no money to duplicate the programs. The approximate cost is \$ 120.-140. Marie Taylor suggested we donate \$ 150. Motion was made by Janet Wright that Board recommends to rank & file that we send them \$ 150. to reproduce Roger's 2 programs for the MWF Film Library. 2nd by Jim Stewart. Carried.

Phyllis Parks recommended that monies from 4 Show tickets be refunded. Those to be refunded requested that the monies be left in Show receipts.

The \$ 1.00 overpayment in membership dues by Ray Lambert to go to Club/Education Scholarship Fund.

Article re: Scholarship recipients at our Show under "School Days" in 4/3 Sun Newspapers was incorrect. Marie Taylor suggested that this be corrected. Vera has contact with personnel at Sun office so will see that correction is made.

Two letters of "Thanks", sent to Marie, will be published in May P & S.

Meetings: April 27 - Hastings Rm. (Coffee & Ice Tea)
Change of May Meeting from 25th to the 18th, (due
to Memorial Day Weekend) Hastings Rm

Meeting adjourned,

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Apr. 27, 1985

The meeting was called to order by President Scott on April 27, 1985, 7:30 P.M. at NE Center, Hastings Room.

Motion for approval of minutes as printed in the Pick & Shovel by Marie Wells, 2nd Helena Baegl. Motion carried.

Motion for approval of Treasurer's report as printed by Marie Wells, 2nd Roger Pabian. Motion carried.

HOSPITALITY REPORT:

In Susan Taylor's absence, the list of guests was read by the President. These included: William Taylor & son Brian; Greg Lyman; Dana Gladding; Bill & Shirley Rockel. There were 30 Adult & 2 Junior members present.

OLD BUSINESS:

Motion by Marie Wells that LGMC become an affiliate member of the Friends of the Museum. 2nd by Roger Pabian. Discussion followed. (Affiliate member - \$10.00 Contributing organization - \$50.00)

Amended motion by Helena Baegl that LGMC become a contributing organization at \$50.00 per year. 2nd by Tom Simmons. By show of hands, motion carried. Individual memberships were offered.

NEW BUSINESS:

By recommendation of Board, it was requested that we contribute to MWF Program Library for duplication of Roger's 2 programs. (Apr. Board Mins.)

Motion by Mark Mercier that we donate \$150.00 to MWF so they can duplicate Roger's programs. 2nd by Tom Simmons. By show of hands, motion carried.

Delegates:

The President called for volunteers as delegate & alternate to the MWF Show & Convention, Sioux Falls, S. Dak., July 18,19,20,21. The Delegate's meeting is on Sat. of Show. Dave Heffelbower volunteered as Delegate; Kevin Schwartman volunteered as alternate.

The May General Meeting will be held on the 3rd Saturday, May 18th, instead of the 25th, due to Memorial weekend.

Two summers ago, LGMC spent a day at Chet Ager demonstrating, programs, etc. They would like to have us again this year on Sat. July, 27. Then we could have a picnic at close of day. More details at the May Meeting.

General Meeting - April 27, 1985 - continued

President announced that it was gratifying to see so many compliments about our Show, in the Gem Palette.

Also read the listing of Field Trips to be held at MWF Show.

Copies of Financial Show Report were handed out to members. Who's Who were available for members in attendance.

Announcement made that Wilfrid Wittmann is at Bryan Hospital undergoing transfusions and series of tests.

A slide program was presented by Dana Gladding on the different departments and functions at the Museum.

Meeting adjourned with refreshments of coffee and iced tea.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LGMC Treasurer's Report - May 1, 1985

Natl. Bank Commerce Checking on 4-1-85	2,922.59	
April Receipts - from '85 Show Raffle Proceeds	45.00	
April Payments - 1985 Show bills paid	2,484.22	
Apr./May Storage	58.48	
Plaque Nebr. State Case	9.73	
Member Subs. Gem Palette	16.00	
UNL Printing Pick & Shovel	56.45	
Repair Stapler	56.28	
Refreshments Show Set up	46.34	
Nebr. Academy Scholarship	45.00	
	<u>2,772.50</u>	
Natl. Bank Commerce Checking 4-30-85		195.09

LEE J. PIVONKA

415 Jackson Street
Golden, CO 80403

(303) 277-1320

March 25, 1985

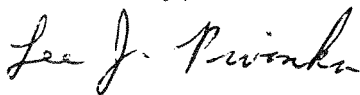
Lincoln Gem and Mineral Club, Inc.
c/o Mrs. Howard J. Taylor, Sr.
910 New Hampshire
Lincoln, Nebraska 68508

Dear Fellow Club Members:

I am writing to give you my sincere thanks for the scholarship. My parents sent me the check and said how much they enjoyed this years show. I wish I could have attended the show and personally accepted the award. Mom and Dad especially enjoyed seeing many familiar and friendly faces at the scholarship presentation dinner.

The scholarship will certainly come in handy at this time since I will soon incur many thesis reproduction and binding costs. Within the last two weeks, I have been able to complete my thesis analytical work in the laboratory. For the last week or so I have been manipulating my geochemical data with a computer. I am very happy to say that the initial results of my study are more favorable than those which I had hoped to obtain. Once again, I thank you for your strong support.

Yours Truly,



Lee J. Pivonka

Claude B. Dawson

SUSAN'S KAZI ORDER FORM

ROUTE 1, BOX 208A
DORA, MISSOURI 65637
417-261-2499

March 28, 1985

Lincoln Gem & Mineral Club
% Howard Taylor, Jr.
910 New Hampshire
Lincoln, Nebraska 68508

Dear Friends:-

What a show! Great everywhere.
It was nice. The dinner was
really enjoyable and thanks for
the doughnuts and coffee at set-up.
Thank you for having us and
hope to be invited back next
year.

Sincerely,
Claude & Jenny
Dawson

CALIFORNIA No. 1 and U.S. No. 101

National Geographic's recent book, "Exploring America's Scenic Highways" is really fascinating. Myrtle and I, in our more youthful years, have enjoyed five of the eight scenic roads featured. Readers may receive some second-hand, "fireside" tours. We octogenarians are not likely to travel the remaining three to furnish current "we-were-there" stories for our monthly bulletin.

I hope the "Nebraska Highway #2" story in the April issue was worthy of readers' time. We will now vault the Rockies and trace the scenic paths along the northern part of California's 1,000 mile Pacific Coast. (The Atlantic Coast has many interesting shores, countless fine harbors and streams, but nothing to match the Pacific coastline.)

California No. 1 and U.S. No. 101 are a unique pair of nearly parallel highways. U.S. 101 makes a complete loop around Washington State's Olympic Mountains and Olympic National Park. It then heads for Oregon and California, and ends at San Diego, California, near Tijuana, Mexico, a total length of about 2,000 miles, partly inland.

California No. 1 leaves U.S. No. 101 near Leggett and follows the coast's precipitous shoreline very closely from that point. On a milder 60 mile stretch, centered through Santa Barbara, No. 101 and No. 1 share the coastline, and then No. 101 takes a more inland route to Los Angeles. There the two highways seem to join No. 5 and reach San Diego. The cliff-hangers lost the race.

Now we can review courses of both #1 and #101, with a few of my own memories inserted from a north-bound trip in summer of 1959, and a south-bound trip in 1964-'65, covering the whole west coast area. I shall follow the National Geographic reporter's plan from N. to S., and emphasize a few features.

U.S. 101, soon after entering California from Oregon, passes Crescent City where high tides, tsunami waves (earthquake) have destroyed much property and loss of life. The 1964 Alaskan earthquake effects were still visible when we went by in December. The shoreline there is ideal for such calamities. Winding, hilly roads are often clogged with 18-wheelers bearing redwood logs. That well-named "Avenue of Giants" is one that began as a mere wagon trail. Tourists behold the sky-scraping redwoods with awe. One scientific mystery is how the sap rises to such great height against the pull of gravity. California has other "big tree" forests farther south and inland. One huge tree has an auto road cut through it. Centuries have passed since it was a sapling.

Violent wave action along the rugged coastline scours out caves. These tempt adventurous explorers at low tide, not cautious of the danger involved -- especially true of Cal. #1. A good rule for all beach-combers is "Always keep an eye on the ocean; be ready to leave the pretty stones and sea shells, and skedaddle up the bank if you see a big wave coming!"

- continued

CALIFORNIA No. 1 and U.S. No. 101 - continued

On large exposed rocks and "points" lazy sea lions snooze. Lighthouses protect sea traffic in some danger spots. Many old-fashioned light keepers are being replaced by automation. The cold Pacific currents striking warm, humid coastal air produce heavy fog. One early lighthouse was destroyed by the severe San Francisco earthquake in 1906. The famed (and feared) San Andreas fault is near.

Just north of San Francisco, Highway No. 1 passes "Muir Woods", a small, but beautiful version of big trees. It joins U.S. No. 101 to cross the mile-long Golden Gate Suspension Bridge, with six busy lanes of traffic and two sidewalks. The bridge is supported by parabolic cables hanging over a pair of towers, 746 ft. tall. It was built between 1933 and 1937, having surmounted difficult structural problems. Nearly a dozen workers lost their lives! (The nearby Bay Bridge is even longer.)

There are too many places of interest along the California coast to mention in this article. So this will be limited. After leaving the Golden Gate Bridge the two highways divide again. No. 1 continues close to the Pacific Ocean and passes through Golden Gate Park, a charming place about a half-mile wide and three miles long, reaching almost to Old San Francisco's center from the coast, formerly sand dunes.

After crossing the bridge No. 101 follows San Francisco Bay south-eastward to San Jose and then curves southwest toward the Monterey Bay area, passing through the great strawberry and artichoke producing fields. (not Jerusalem artichokes) On the Monterey peninsula at Pacific Grove millions of migrating Monarch butterflies have their famous "stop-over". Also the 17-mile Scenic Drive toll road is a charming diversion from the main highway. South of Monterey is the "Big Sur". (Spanish for south) Before No. 1 was blasted through, a 35 mile trip took several hours.

Jade Cove, about 50 miles southeast of Big Sur, is where huge blocks of nephrite jade have been removed from under water. A few miles beyond is San Simeon, where a tourist may leave No. 1 and experience one of the most lavish attractions of the entire route, the William Randolph Hearst "Castle" which Hearst called his "ranch". It is now a State Historical Monument. This 123 acre estate defies description, but below are facts remembered from our 1964 visit.

After leaving one's car at a designated station the visitor is furnished transportation up the mountain to the castle, to visit the chosen level. Then if another level is desired the visitor then would return to the station, and be transported up the mountain again, in a different bus. (We were there in December, and no advance registration was required. We spent the whole day and missed no levels!)

The National Geographic article ended at Santa Barbara, leaving several hundred miles of southern California "untouched". So I shall do likewise at Hearst's Castle.

A novice tourist from the "interior", gazed at the Pacific Ocean's sun-swallowing horizon and lamented, "I thought it would be much bigger than this".

Report from your Librarian - It has been several years since we printed the complete list of materials which are in our club library and many books have been added each year. This revised list will be as complete as we can make it so we hope that you will save these pages for easy reference in case you are looking for a reading project.

Aaron's Breastplate, Story by Paul A. Davis
Agate Fossil Beds; A National Monument, Dept. Interior, 2 different printings
American Gem Cabochons, William C. McKinley, 1939
Arizona Gem Fields, Alton Duke, 1956
Arizona Nonmetallics-Uni. Arizona, E. Wilson
Audio Visuals-see listing at end of list with other helps
Black Light-Fascinating Fluorescence, Edmund A. Braun
Changing Science of Mineralogy, Cornelius S. Hurlbut, Jr. & Henry E. Wenden, 1964
Chemical Index of Minerals, Max Hey
Collecting Rocks & Minerals, My Hobby, David E. Jensen (Youth)
College Geology, Thomas C. Chamberlin & Rollin D. Salisbury, 1909
Color Treasury of Crystals, Crescent Books
Colorado Gem Trails - 2nd Edition revised
Complete Treatise on the Electro-Deposition of Metals, Dr. George Langvein,
(translated from the 6th German edition), 1909
Coppercraft and Silver Made at Home, Karl Robert Kramer and Nora Kramer
Crinoids, Classification, Paleocology, and Biostratigraphy of, Nebr. Museum Bulletin
Roger K. Pabian & Harrell L. Strimple
The Curved or Faceless Group, Howard Barnes, (1st Ed. 1973, Rev. 1974)
Dana's Manual of Mineralogy-16th ed. Cornelius S. Hurlbut, Jr..
Dana's System of Mineralogy, Volumes I, II, III, James Dana & Edward Dana
Dinosaur Natl. Monument and Vicinity with Emphasis on Geologic Features, U.S. Geo.
Survey, Philip T. Hayes and George C. Simmons
Elements of Mineralogy, Frank Rutley, 1916
Field Book Common Minerals/Rocks, Frederic Loomis, (2 copies)
Field Guide to Rocks & Minerals, Frederick Pough, (2nd & 3rd editions)
Fire Opal of Guatemala, Matilda Bailey (Fiction)
Fluorescence, The Story of, Raytech Equipment Co.
Fossil Book, The, Fenton and Fenton
Fossil Crinoid Studies, Roger K. Pabian/Harrell L. Strimple
Fossils, Exploring World of, William H. Matthews III, (Youth)
Fossils, Introduction to Prehistoric, William Matthews III
Gem Cutting-2nd Edition, John Sinkankas
Gem Hunters Atlas, Western-6th Edition, Cy Johnson
Gem Identification, Robert Webster
Gems in the Smithsonian, Paul E. Desautels
Gemstones of North America, John Sinkankas
Gemstones of the World, Walter Schumann
Gem Trails, Midwest, June Culp Zeitner
Gem Trails, Northwest, H. C. Dake
Gem Trails, Utah, Bessie Simpson
Geologic History of Scotts Bluff National Monument, Roger K. Pabian/James B.
Swinehart II
Geological Survey of Wyoming, Frank Osterwald
Geology; College Outline Series, Richard Field
Geology, A Compend of, Joseph Le Conte
Geology, Intro. to Historical, Raymond Moore
Geology of Ponca State Park, Nebraska, Educ. Circ. #6, Roger K. Pabian /Dennis R. Lawton

IGMC Library Listing as of May 1985 -

- Geology, Principles & Processes, William Emmons
Guidebook for Field Conference - D, Central Great Plains - 1965 INQUA
Dr. C. B. Schultz, UNL, Dr. H.T.U.Smith, U. Of Mass.
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LGMC Library Listing as of May 1985 -

Rocks, Minerals & Gems (Natl. Audobon) Carroll Lane Fenton & Louis Zara
Rocks & Minerals, Golden Press, Herbert Zim, (Youth)
Rocks, Record in, Roger K, Pabian, (Educational Circular) 2 copies
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Ali Mohamad Ghazi
Treasures of the Earth, Fred Reinfeld
Ultraviolet Guide to Minerals, Sterling Gleason
Wilmington Coal Flora, The; George Langford
Yellowstone National Park, 1947, Jack Haynes
Young Idea, The (Youth Help) Jay Farr

Magazines and other helps -

Approved Ref. of Lapidary Material Names - AFMS

Audio Visual:

Monster Dig(Pleezy)- Slides/Script

Tri-State Minerals-Slides/Script

1974 Nat'l. Show Slides prepared by LGMC

Earth Science magazine - separate copies

Exhibitor's Manual - 1969 - AFMS

Folder 1-Public Lands Interior

Folder 2-Importance Show Case Display

Folder 3-Field Trips

Lapidary Journal-some copies 1958-59-60 (small bi-monthly)

Lapidary Journal-Bound Copies, (1962 thru 1972)

Lapidary Journal-Unbound since 1973

Gems on Location-Map United States with gemstones (Large case-3'x4')

Nebraska Gemstones - Map prepared as above

Visual Aid Cases - Now on display at Chet Ager Nature Center-2 minerals, 1 fossil

Crystal Identification Chart

Small Black Light

Remember - These publications may be checked out from Jim Parks at Hurlbut's,
7331 Thayer St. (73rd and Cotner Blvd.), 9:30 to 5:00 weekdays, 9:30 to 4 Sat.
Members are welcome to call and ask for special volume to be brought to the
next meeting.

Save this for your files!

NEBRASKA ACADEMY OF SCIENCES, EARTH SCIENCE SECTION, 1985 Session.

On May 12, 1985, the Nebraska Academy of Sciences held its' 95th Annual Meeting at Olin Hall on the Nebraska Wesleyan University Campus in Lincoln. In all, 27 research papers were presented in what proved to be one of the better earth science sessions held in recent years.

My own paper dealt with two fossil fishes that were extracted from the core that was drilled at Offutt Air Force Base in 1961. The two fishes were the head of an edestid shark called Campodus and a small unidentified paleoniscoid fish.

A number of paleontological papers were presented, and these included some very good presentations. George Corner talked about the occurrence of fossil stag-moose in Nebraska and Iowa.

Bob Diffendal and Jim Goeke gave a paper dealing with the age of gravels capping the Ash Hollow Formation in Garden, Keith, and Lincoln counties, Nebraska. One of the important fossils they used was the lower third molar tooth of a horse, Equus simplicidens that was found by a 10-year-old boy on a field trip led by Goeke.

Steve Holen of Lexington re-ignited an old controversy about the Angus, Nebraska, mammoth site. It seems that a "paleo-Indian" artifact was apparently found among the bones at the excavation site in 1931. The artifact was strange in its' appearance and the possibility that it was planted at the site still remains. The mammoth is on display at the Denver Museum. It was an interesting paper for all who like "whodunnits."

Linda Rankis (recipient of both an AFMS and IGMC scholarship) gave a presentation of phosphatic microfossils from the late Pennsylvanian age Heebner Shale in the midcontinent. Her paper described color change in conodont fossils when they are subjected to heat, and that these fossils were subjected to temperatures of 50°C to 90°C in the Heebner Shale in Nebraska.

Stacia Spaulding (also an AFMS scholarship recipient) spoke on the microfossils from the Big Springs Limestone in Nebraska and adjacent areas. These fossils included foraminifers, sponges, brachiopods, sea-cucumbers, echinoids, crinoids, ostracods, conodonts, worms, and fish remains and some unidentified forms as well.

Rob Skolnick gave a paper on the Lay Ranch fauna in Nebraska and Wyoming. Fossils here included rhinoceros, chalicotheres, giant hogs, and oreodonts.

Karen Messenger on Pleistocene fossils from Saunders County. The fossils she reported includes bog lemmings, voles, and water shrews. These fossils came out of a peat deposit.

David Loope talked about tracks made by large vertebrate animals in Cenozoic wind-blown deposits in western Nebraska. These tracks were attributed to large, cloven-hoofed mammals (Bison) because of their diameter and a central ridge. Similar structures in older rocks were interpreted as tracks of other animals.

Jim Landon spoke on fossil woods from Nebraska and demonstrated that structures seen in cells of modern woods could also be observed in fossil woods. These structures were interpreted to show the amounts of annual precipitation in the modern woods and this was referred to the structures in fossil wood as showing amounts of annual precipitation in the geological past.

Space prevents listing all of the papers that were given, but club members can read abstracts of all of them in the Proceedings of the meeting. These should probably be in the club library by now.

Display items for the May meeting should include anything you would like to show. It is an open night.

Roger Pabian

OUR NATIONAL PARKS AND MONUMENTS--PART II

The second part of our love affair with our National Parks and Monuments began the last day of August with a brief visit to long-cherished friends in Cheyenne, Wyoming. With them we scouted interesting formations around Cheyenne and the puzzle of the strange outcroppings sitting by themselves along Hwy. 25 to Denver. They are aptly named "Natural Fort". The shingle reads: "The year 1831 was an unmercifully dry year. 600 Crow hunters, led by Jim Beckwourth, their mulatto chief, surprised around 160 Blackfeet hunters here and chased them onto these rocks. The Crows killed all the Blackfeet."

Again we drove up the Gangplank of Union Pacific fame to the jumble of weathered, jointed precambrian Sherman granite known as Vedawoo; but this time we took the hour-long drive all through the park--worth every minute of it. Then on to Laramie and the town of Medicine Bow, made famous by Owen Wister in his novel, The Virginian. Of course much of that fame is due Gary Cooper in the 1929 motion picture. We enjoyed a cold drink in the old Virginian Hotel, beautifully restored, and walked down the street to the Diplodocus Bar to run our fingers over the cool, satiny surface of the forty-foot-long bar top of Wyoming jade, cut from a single 4½ ton boulder found near Hot Springs. The color variations in the jade give it an unusual beauty.

After enjoying the Medicine Bow Museum in the old railroad depot, with Owen Wister's cabin (moved in) beside it, we turned our attention to something more modern: the giant windmills about five miles south. These are part of an experiment featured in the National Geographic several years ago. The idea was to develop a grid system of giant wind generators which would feed their electrical output over the country as an alternative to our rapidly depleting supply of fossil fuels or to nuclear energy.

From there we explored and photographed the "castles" (rock monoliths) north of the town of Green River, Wyoming. We enjoyed the brilliant colors of the well-named Flaming Gorge, taking the road down its west side, across the dam, and then across the Uintas to Vernal. Again I could not have imagined the spectacular topography or the utter, though varied, desolation of some of the areas. It was a thrill to picnic at a spot above Henry's Fork, immortalized in Neihardt's A Cycle of the West.

We visited the excellent museum in Vernal and the Dinosaur National Monument, where the heart of the exhibit is a sloping wall with the partially excavated dinosaur bones still in place. The well-identified fossils and the fine displays to tell their stories made this one of the most educational days of our trip. Before returning to Vernal we drove east to Split Mountain, where the Green River crosses the Uintas in a deeply entrenched canyon.

Salt Lake City and Ogden brought warm reunions with friends and relatives. The number of geology students of Gilbert's scattered around continues to amaze and delight me, especially when

we discover that some of them have been long-time friends of mine, as in the case of J.D. Young's niece and her husband in Salt Lake City. This was a good, relaxing prelude to the Canyonlands, the heart of the West.

How does one describe the impact of the absolutely astonishing formations and brilliant colors of Bryce Canyon? Fairyland Canyon in the early morning light--the Fiery Furnace in the late afternoon. The weather wasn't the best, but that may have been just as well. One could easily get visual indigestion from too much glory. At Rainbow Point we experienced a most peculiar hail storm in late afternoon. The wind blew violently straight up the steep rock face, rising fast enough and high enough that by the time it came to the top, where we stood, the moisture had condensed and frozen. Ruby's Inn at Bryce Canyon, where Gilbert had stayed many times, had burned two months earlier, but rebuilding was in progress and temporary accommodations were adequate.

Down the west side of the Paunsauguint Plateau and across the Markaguint Plateau, we went to Cedar Breaks. The formations and the colors were similar to those in Bryce Canyon, but we were hoping to reach the great overlook called Brian Head. However, the road was impassable from the previous night's rains, so--on to Zion National Park.

Zion National Park proved to be one of my all-time favorites. The effect of such high, colorful walls and the majestic natural carvings in such a narrow canyon is stupendous. The rock structures of Zion are massive, but even here there is evidence of impermanence. With Gilbert's binoculars we could see the weathering of Natural Arch, a most delicate span of 156 feet, high on Bridge Mountain. The walk through the Park to the Narrows, where the canyon turns, led us through the beautiful Fern Grotto greenery with scarlet gilia hanging from the steep walls. It was something of an international experience. We met people from Germany, Austria, Switzerland, France, Yugoslavia, Equador, Japan, to name a few. Though there were many people in the Park, there was a quiet, reverent attitude with no sense of crowding.

A beautiful new part of Zion National Park, the Kolab Fingers, had just opened to the northwest of the main park. Here the rich red coloring was at its best and the light was excellent. Frustratingly, Gilbert's film of the Kolab Fingers was the one roll in fifteen that was totally ruined in developing--by leaving out the red! That same day brought a delightful bonus, however. Dixie College, a community college in St. George, owns a beautiful amphitheater in Zion Park. Their staff and advisory council were previewing a magnificent film of all the parklands, "The Grand Circle Adventure", as part of their pre-opening meeting. The ranger giving the program invited us to join them. It was a crowning touch to the Zion National Park experience, peaceful, awe-inspiring, with constantly shifting shades of color--and at night, the stars.

Of course this was all prelude to the Grand Canyon itself. We saw it from both the North Rim and the South Rim--unbelievably immense,

always changing, always sublime.. At the North Rim we stayed in a dear little log cabin. We explored the South Rim from Gray Mountain. We had taken along a cassette of Ferde Grofe's "Grand Canyon Suite". The music suited the land, even to the thunderstorm we were privileged to see in the Canyon. To me, the impact of the Grand Canyon is most like the impact of the ocean; neither is the same two minutes in succession.

But there was still a wealth of geology to be explored: Sunset Crater, a recent volcano in the San Francisco Peaks of Arizona; Oak Creek Canyon south of Flagstaff to Sedona and the Chapel of the Holy Cross in its red rock setting; Monument Valley of Marlboro cigarette ad fame but even more amazing from the ground than from the air; the Petrified Forest with its giant multicolored logs; the softly colored sands of the Painted Desert; the Goosenecks of the San Juan, not one but many; the breath-taking view from Dead Horse Point far down into the Colorado River running in rugged canyons below vast plateaus. Here too was Arches National Park with its twisted figures and its spectacular windows in the rocks.

The most beautiful arch of all, however, was Rainbow Bridge on Lake Powell. Gilbert's first trip to Rainbow Bridge had been a long, arduous mule-back ride over tortuous trails with his geology students before there ever was a Lake Powell. This trip was a delightfully restful afternoon's ride on a motor launch that followed the path of the twisting, water-filled canyon that was once the Glen Canyon of the magnificent picture essay, The Place No One Knew, by Elliot Porter. My first view of the canyon was as only a narrow, black gash in the plateau. Page, Arizona, where Glen Canyon Dam was in the process of being built, was one of my stops on the Powder Puff Derby, the women's transcontinental air race from Bakersfield, California, to Atlantic City, New Jersey. Take-off was directly over the canyon. Now only the tops of the highest canyon walls remain above water, glowingly reflected in the still, smooth surface. Rainbow Bridge, arching 290 feet with a span of 275 feet, was formed in the Navajo Sandstone by Bridge Creek as it flowed from Navajo Mountain to join the Colorado River. A floating dock enables passengers to leave the launch for a memorable stroll through the arch, which was not discovered until 1909. Here again the forces of nature are at work, hastened by the hand of man. The filling of Lake Powell is increasing the erosion at the bases of the arch. Besides serving as water storage, Lake Powell has become a tremendous recreation center. Hundreds of boats of all shapes and sizes are berthed in the marina at Wahweap, including houseboats for rent. For these, reservations are made a year in advance, we were told.

Geology and archeology were not our only interests on this trip. Astronomy was not forgotten. In Flagstaff, Arizona, we visited the famous Lowell Observatory on Mars Hill. It was a thrill to see the actual 24-inch refractor telescope and the wood-domed observatory used by Percival Lowell in his study of Mars. (He believed, despite all opposition, that Mars had canals and therefore intelligent beings.) It was here, too, that he made the observations which enabled him to predict the discovery of Pluto. The observatory is still active in much useful research. Interestingly, he was a brother to the famous poetess, Amy Lowell. For a broader view the Museum of Northern Arizona at Flagstaff is well worth visiting more than once.

Meteor Crater forty-five miles southeast of Flagstaff could be classified both as astronomical and geological, I suppose; but for me it was a dream come true. As one approaches, it looks like nothing more than a range of low hills. It is not until one looks into its depths that the full impact is felt. It is 570 feet deep, 4,150 feet from rim to rim, and three miles in circumference. It is the best preserved meteoritic crater on Earth and was used as a training site for moon-bound astronauts. Though it is not a national park or monument, its fine museum and educational hall are an exciting treat.

Actually, by the time we visited Meteor Crater we were on our way home; and it was not a day too early. We had been happy that the end of the tourist season meant less competition and reduced prices, but we awakened the morning of September 28 in Georgetown, Colorado, with six inches of wet snow blanketing our car and everything else, and more of the white stuff coming down rapidly. I had taken my weather gear along on the first trip to Glacier National Park and hadn't used it. So where was it when I needed it now? It was a great relief to reach Denver for a few days' visit with Gilbert's daughter and granddaughter and my aunt. We waited out the storm and headed back to Lincoln, eager to start planning for the summer of 1985.

--Florence Boring Lueninghoener

Michael Glaubius who graduates this spring from Wisner-Pilger High School has received the Lincoln Gem & Mineral Scholarship and the Marie & Howard J. Taylor Scholarships for the Nebraska Academy of Sciences.

He and his parents were guests at the annual banquet when he received the awards.

This is the first time these scholarships have been given and we are grateful to the Lincoln club and the Taylor family for their efforts in promoting the earth sciences to high school students.

(Our congratulations to Mike, also)

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. BETTE Smith, 10647 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

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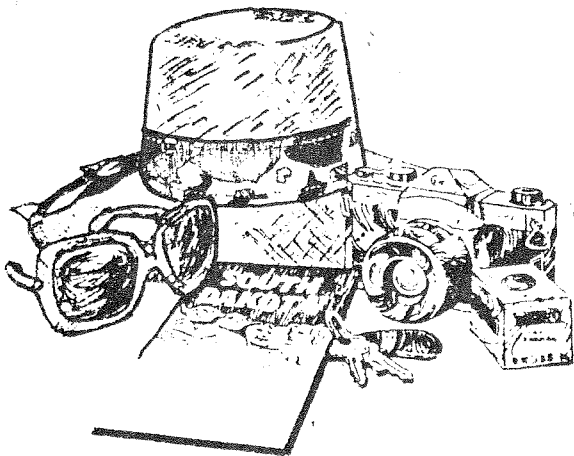


MWF SCHOLARSHIP HONORARY AWARDEE: The MWF Scholarship Jury of Awards is proud to announce its selection of Dr. George Rapp Jr. of the University of Minnesota-Duluth as the 1985 MWF Scholarship Honorary Awardee. Many of you will remember Dr. Rapp as the banquet speaker at the MWF Convention in St. Paul, Minnesota in 1982.

Dr. Rapp is currently Dean and Professor of Geology and Archaeology, and Director of the Archaeometry Lab., College of Letters and Science, University of Minnesota-Duluth. He is also Professor of Ancient Studies, University of Minnesota-Minneapolis. He received his B.A. in Geology from the University of Minnesota, and a Ph. D. in Geochemistry from Pennsylvania State University. He is the Past President of the Association for Field Archaeology, and is the founder and first chairman of the Archaeological Geology Division of Geological Society of America. He also is an archaeological geologist with extensive experience and publications on the archaeological geology of the eastern Mediterranean.

Dr. Rapp will have the honor of selecting two graduate students to receive scholarship grants. The grants are \$1,500.00, a total of \$3,000.00 each for two years, to further their studies in the field of earth sciences.

William Parch, First Vice-President, MWF



SOUTH DAKOTA FIELD TRIP INFORMATION: There will be a FIELD TRIP table at the Midwest Show in Sioux Falls with final information and instructions for those planning on attending post show field trips. Please sign in here with Maxine Wilson and June Zeitner.

EXHIBITS FOR SIOUX FALLS: Anyone who plans on bringing competitive or non-competitive displays to the Midwest Show in Sioux Falls, July 18-21, and does not have an exhibitor's entry blank, should write to Vivian Andrews, E. Hwy. 34, Madison, SD 57042

LATE NEWS FROM SIOUX FALLS: Show Chairman Ashton Wilson announced that there will be a field trip for red Sioux Quartzite in Sioux Falls during show week. The banquet speaker will be from EROS, the government's huge Earth Resources Observation System Data Center. Scientists throughout the world depend on the satellite photography assembled here. All sections of the show will be air conditioned.

Submitted by June Zeitner

AMERICAN SCHOLARSHIP FOUNDATION - NEW STATUS: Our Midwest clubs are still the greatest in their support of the Scholarship Foundation. Since my last report we have received more than \$2,076.00 in contributions from 33 clubs and individuals. Because of these generous gifts fifteen clubs have been able to advance their status as follows:

Continued next page...

SCHOLARSHIP STATUS - continued

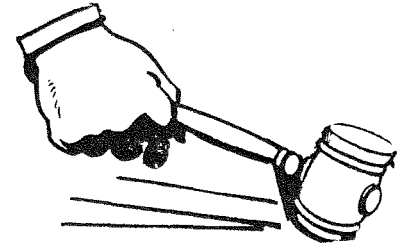
McDonnell Douglas Gem & Mineral Soc.	1400.00
Minnesota Valley Gem & Mineral Club	600.00
Wisconsin Geological Society	2900.00 - 3200.00
Edwards River Earth Science Club	200.00
Capital City Gem & Mineral Club	1300.00 - 1600.00
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Illowa Gem & Mineral Society	1500.00
Central Missouri Rock & Lapidary Club	1700.00
Loup Valley Gem & Mineral Soc.	600.00
Southern Illinois Earth Science Club	900.00 - 1000.00
Stone Head Lapidary & Mineral Club	200.00
500 Earth Sciences	200.00 - 500.00

Our sincere thanks to all clubs for their support of the American Scholarship Foundation. Through your support another twelve students will again this year receive \$1500 grants (and are renewable for another year) making it possible for these young people to complete their education in the Earth Sciences.

Marian Parch, MWF Scholarship Chairman

NOTICE After June 5th

my address will be 53 Skyline Drive, Garrett, IN 46738 - Bette Smith, MWF Newsletter Editor

THE MIDWEST FEDERATION JADEGAVEL

The jade gavel, engraved with a golden insignia of the Midwest Federation, was dedicated to the memory of Gus H. Brown

for his outstanding service to the federation.

The gavel was made for the federation by Bill de Neui of Minneapolis, Minnesota, from a piece of Wyoming jade donated to the MWF for this purpose by Earl McHenry of Riverdale, Illinois. It was completed and presented for the use of all future MWF Presidents to Leo Yasasak, president in 1961, and has been passed on to each president since that time.

Gus Brown passed away in Des Moines, Iowa, on June 15, 1960. He was an author and lecturer of note on the lapidary arts and developed the V-lock method of mounting stones. Gus was the first president of the Des Moines Lapidary Society; had been chairman of the AFIC Boundary Committee and Promotion and Publicity Committee of the I.M.F., as well as taking part in all federation activities. At the time of his death it might be truthfully said that no one in recent years had contributed more to the growth and welfare of the MWF.

Submitted by Russ Kemp, 1964 MWF President

COUNTY MUSKOX CRANIUMS BEING STUDIED (Excerpts from an article by Janet Leedy as found in the Peru (Indiana) Daily Tribune and submitted by Charles Walker, Indiana State Director)

A cranium from a woodland muskox - an extinct buffalo type mammal - from the Miami County Historical Society museum is being studied on the slight possibility it might provide historical information. The cranium is 14,000 years old.

The muskox skull was noticed by Ronald L. Richards of the Indiana State Museum during a survey of natural history specimens in the spring of 1984. The cranium will be sent to the Illinois State Museum, which has proper equipment for the study.

The experts will determine what made certain marks on the skull. If the marks prove to be butchering marks it will indicate the occupation of this territory by man and show that man hunted large animals. It would be the first evidence of this nature. Most marks on muskox skulls of this period have been caused by the chewing of rodents. These marks could have been caused by beaver but are different enough to justify the study.

This nearly complete cranium was donated to the historical society in 1919 and a second cranium was donated to the National Museum (now the Smithsonian) in 1917. There are now 20 known Indiana muskox fossils. The Miami County specimens appear to have been deposited in the peat layers that resulted from the infilling of a kettle lake.

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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.



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