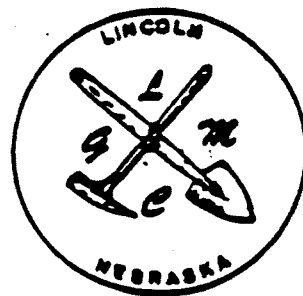


THE PICK & SHOVEL



MARCH
1988

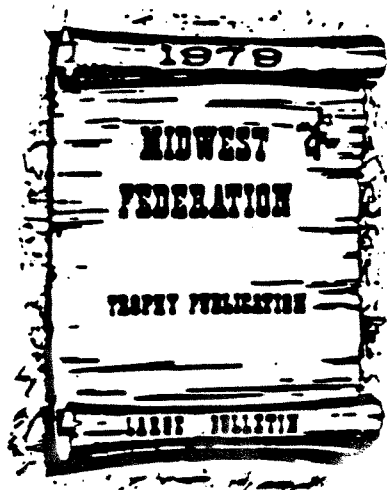
In this issue . . . LET'S HEAR IT FOR VINEGAR

AMBER

HASTINGS SHOW

NEIHARDT SPRING CONFERENCE

THE POTOMAC RIVER AND THE
PATOWMACK CANAL



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 Science (NAS) (Life Membership)
Friends of the Museum

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

1988 ELECTED OFFICERS:

President.....	Kevin Schwartman	1134 West Avon Ln Lincoln, 68505	464-3059
1st Vice Pres.....	Fred Holbert	2822 S. 13th St. Lincoln, 68502	423-5639
2nd Vice Pres.....	Jim 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.....	Dave Heffelbower	1819 Washington Lincoln, 68502	475-4713
Board Member.....	Gerald Moore	2305 S. 35th St. Lincoln, 68506	489-4184
Board Member.....	Shirley Rockel	1134 West Avon Ln Lincoln, 68505	464-3059
Board Member.....	Tom Simmons	2970 South St. Lincoln, 68502	488-1619

NOMINATING COMMITTEE -- 3 years: Phyllis Parks, Janet Wright
2 years: Dave Heffelbower, Claude Scott
1 year: Irl Everett, Claude Scott
Linda Parks, Chairperson

LONGE RANGE PLANNING AND BY-LAWS COMMITTEE:

1 year - Jim Taylor, Irl Everett 3 years - Bob Wright, Linda Parks
2 years - Claude Scott, Phyllis Parks Linda Parks, Chairperson

STANDING COMMITTEE CHAIRPEOPLE:

Calling.....	Phyllis Parks	Membership.....	Shirley Rockel
Education.....	Roger Pabian	MWF Liaison.....	Marie Taylor
Field Trips.....		Programs.....	Roger Pabian
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Hospitality.....	Ed Ridge	Xmas Party.....	Janet Wright
Housing/Property....	Jim Parks	1988 Rockhound/Yr....	Ed Ridge
Jr. Activities.....	Janet Wright	1988 Annual Show....	Roger Pabian
Librarian.....	Jim Parks	1989 Annual Show.....	

AUDITING COMMITTEE 1986-1987.....Lois Hunt, Bruce Simon
Shirley Rockel, Chairperson
Phyllis Parks, Treasurer

PICK & SHOVEL STAFF:

Editors.....Board of Directors
Co-ordinator...Vera Lyman, 420 N. 56 St. Lincoln, NE 68504 (NAOESCI Reporter)
Circulation....Dave & Wilma Heffelbower
Rays of Sunshine....Wilma heffelbower
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.

C A L E N D A R



30th Annual Show March 19-20, 1988, Pershing Auditorium

REGULAR MEETING: March 26, 7:30 P.M.
Nebraska Center, Beatrice Room

PROGRAM: 'Shaping Stones' narrated by Roger

JUNIORS: 7 P.M. Discuss minerals from the show.

APRIL BOARD: Monday April 4, 1988 7:30 P.M.
American Charter, 40th & South St.

APRIL MEETING: Saturday, April 23, 7:30 P.M.
Nebraska Center, Beatrice Room

MAY MEETING: Saturday, May 21, 7:30 P.M.
Bethany Park Shelter, Cotner & Vine

March		1988						
S	M	T	W	T	F	S		
		1	2	3	4	5		
6	7	8	9	10	11	12		
13	14	15	16	17	18	19		
20	21	22	23	24	25	26		
27	28	29	30	31				

SHOWS & SWAPS FOR YOUR NEW CALENDAR

APR. 9-10 SHOW Great Bend, Kansas

APR. 22-24 SHOW Wichita, Kansas, Cessna Activity Center

APR. 23-24 SHCW Hastings, Nebr., Adams County Fairgrounds

MAY 14-15 SHOW/SWAP Hutchinson, Kansas

MAY 20-22 SWAP Ellinwood, Kansas

JUN 18-19 SWAP Beatrice, Nebr., Chautauqua Park

SEP. 10-11 SWAP Kearney, Nebraska, Fort Kearney Rock Club

OCT. 8-9 STATE SHOW Omaha, Nebr., Nebraska Mineral & Gem Club, Host

OCT. 15-16 SHOW Grand Island, Nebr., Fonner Park

Regional Show Schedule 1988 and 1989

1988 and 1989 dates and locations for Regional Shows and Conventions. The combined American/South Central Show and Convention for 1988 will be held in Shreveport, LA. In 1989 the American/Northwest Show and Convention will be in Portland, OR.

1988

CALIFORNIA	EASTERN	MIDWEST	NORTHWEST	ROCKY MOUNTAIN	SOUTH CENTRAL
Costa Mesa, CA Aug. 26-28	Warwick, RI Oct. 28-30	Macomb, IL July 14-17	Kennewick, WA Sept. 9-11	Bismark, ND June 17-19	Shreveport, LA Aug. 11-14

1989

Del Mar, CA May 12-14			Portland, OR June 8-11	Stillwater, OK July 14-16	Arlington, TX June
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WELCOME NEW MEMBERS: Dave & June Bilyeau
3221 W St., 68503
475-1877

J. Rock Johnson
1326 No. 21st, 68503

Reinstated: Ron McColery
3455 Fernwood
Reedsport, OR 97467

Lloyd Tanner
R.R.2, Box 469
North Platte, NE 69101

Please add these names to your 1988 Who's Who.

PRESIDENT'S MESSAGE:

Hello again,

It's just a matter of days until our annual show! So, get all that good material you've been hiding away and put it on display. We would like to have as many club members exhibit material as possible. We also need people to work in other areas. If you would like to help out, contact Roger or me and let us know what you would like to do.

We have a very good show planned but we need people to work and display. If you can contribute, please do! And, if the weather cooperates, we will have an excellent show this year.

Take care, and see you all
at the show.

Kevin J. Schwartzman

* * * * *

LET'S HEAR IT NOW FOR VINEGAR!!!!

Don't be surprised when you are ready to go and your wife says, "Just a minute, I have to put on my vinegar." She has just found out that vinegar is more effective than any hand lotion. When the cook tent or camper smell of frying fish, or a screwhead refuses to move, or you wake up with a raspy throat, or bug bites drive you half crazy with itching, just reach for the vinegar bottle.

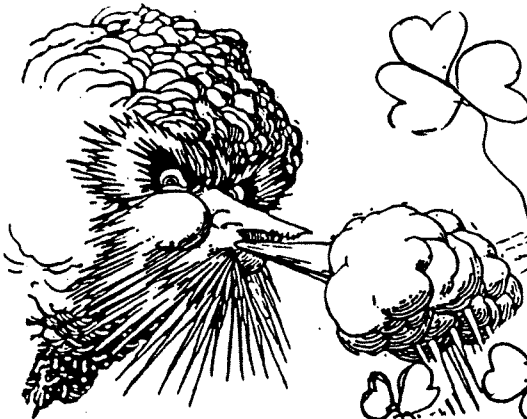
Vinegar has long been a seasoner, preservative, cleanser, purifier, and healing agent. There are more than forty non-culinary uses for vinegar, but it is often overlooked or replaced by over-advertised products that cost more and are less effective.

If you can't budge a corroded screw, soak it in vinegar for a few minutes. It also loosens rusty bolts and hinges. After you have fried fish, pour a little vinegar in the hot frying pan and the fish smell will fade away. When washing dishes, add a little vinegar to the soapy dishwater. It helps cut the grease.

To relieve the pain of minor burns, apply cold cider vinegar, for sunburn pat it on gently. To decrease dandruff, rinse hair with a mixture of 1/4 cup cider vinegar to 3/4 cup lukewarm water. Applied full strength, it not only helps repel insects, but eases the sting and itch of bites.

Cheese will stay soft and moist and free of mold if wrapped in a wet cloth sprinkled with vinegar. Also, vinegar removes stains by adding a cup to the wash water. A dog's pelt will be glossy by adding a few drops to the drinking water. Unclog a stopped-up sink by putting 3 cups of boiling vinegar down the drain.

THE TRILOBITE via Pick & Pack, The Boondocker, Skagit Gems & Hy Grader

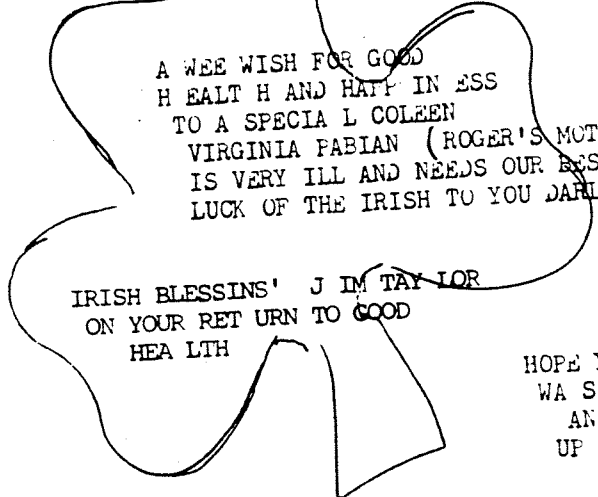


Greetings from the Sunshine Corner

HI !
 BILLIE SUN BEAM HERE
 I'M TH E NEW CHIP OFF
 THE OL D ROCK .
 I NEED YOUR HELP
 IF YOU KN OW OF ANY ILLNESS
 DEATH, BIRT HS , WEDDINGS ET C
 WRITE ME BILLIE SUNBEA M (c) TH E PI CK AN D SHOVEL
 1819 WA SH INGTON ST . 68502



SURE IT WAS GOOD
 TO SEE FRED H OLBERT
 AT TH E FEB. MEETIN'
 HIMSELF SEEMED IN
 GOOD HEALTH.
 LU CK AND SH A MROC'S
 FRED

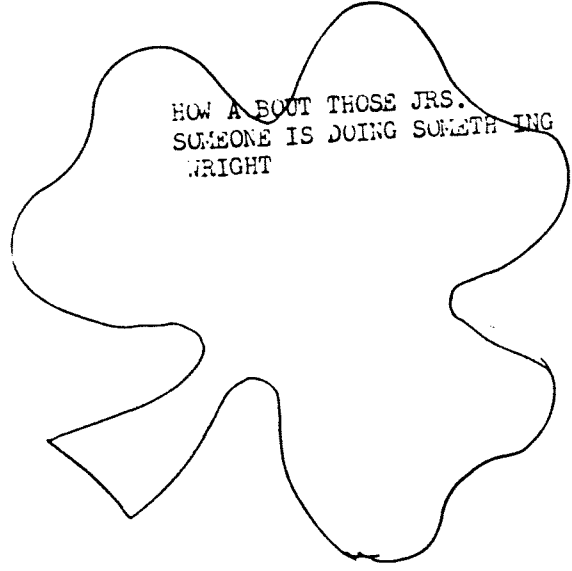


A WEE WISH FOR GOOD
 H EALT H AND HAP P IN ESS
 TO A SPECIA L COLEEN
 VIRGINIA FABIAN (ROGER'S MOTH ER)
 IS VERY ILL AND NEEDS OUR BEST WISH ES
 LUCK OF THE IRISH TO YOU DARLIN'

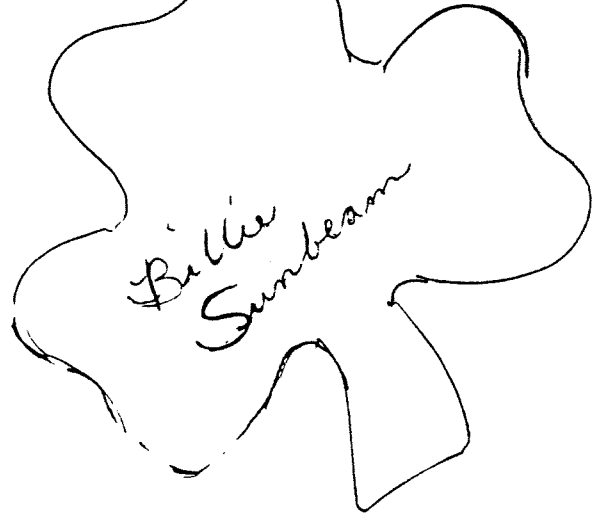
A FOND FA REMELL
 TO TH E SCOTTS
 YOU WILL BE MISSED

IRISH BLESSINS' J IM TAY LOR
 ON YOUR RET URN TO GOOD
 HEA LTH

HOPE YOUR ST. FA TRIC'S DA Y
 WA S GREEN A S ETERAL DS
 AN D EVERY ROCK Y OU P ICK ED
 UP WA S A E L ARN EY STONE



HOW A BOOT THOSE JRS.
 SOMEONE IS DOING SOMETH ING
 WRIGHT



Billie
 Sunbeam

AMBER

Amber is a fossil resin. It is most commonly brown or yellow but may also be green, reddish or close to white. It commonly displays a bluish-white fluorescence under long-wave ultraviolet light; under short-wave radiations the fluorescent colour inclines to green.

Occurrence: From pine trees of the Oligocene period, notably *Pinus succinifera*.

Localities: The major locality is the Kaliningrad area of the USSR; also from the Baltic coast; the east coast of England; Burma; Sicily; Romania; etc.

Treatment: Clean with soap and water.

Fashioning Uses: Faceting, cabochons, carvings, beads, etc.

Submitted by Ewald Paul

* * * * *

2214 W. Louise St.
Grand Island, NE 68803
March 3, 1988

HASTINGS SHOW

Dear Club Members,

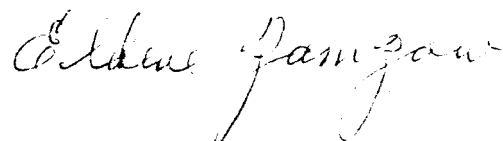
The Central Nebraska Gem and Mineral Society will hold its annual show April 23 and 24 at the Adams County Fairgrounds at Hastings. The show time will be 10 a.m. to 8 p.m. Saturday the 23rd, and 10 a.m. to 5 p.m. the 24th. Setup time for dealers and displays will be Friday the 22nd after 3 p.m., and early Saturday morning.

We invite any of your club members who can, to display at our show. For those who cannot leave their displays for the whole time, we will have come-and-go tables. If anyone has a display which would need extra space or special handling, please let us know.

We invite you to bring your friends and join us and other rockhounds for another exciting gem and mineral show.

See you then!

Sincerely,



LINCOLN GEM & MINERAL CLUB INC. - BOARD OF DIRECTORS - Feb. 1, 1988

American Charter - 40th & South Sts. - Mon. Feb. 1, 1988 7:30 P.M.

7 Board Members present. Also Francis Belohlavy. Absent were Gerald Moore & Fred Holbert.

Minutes of the Jan. Meeting were read with motion for approval by Tom Simmons; 2nd by Dave Heffelbower. Carried.

Treasurer's report approved with motion by Dave Heffelbower, 2nd by Tom Simmons. Carried. Balance in Club Scholarship = \$ 36.47 NAS = \$ 1,680.

CLUB BILLS: Paid but need approval:

- \$ 7.91 Kinko's - Swap flyers
- 27.06 Page Trophy - Rockhound of Year '87 (Ed Ridge)
- 62.40 UNL Printing - Dec. P&S
- 4.62 Bill Rockel - Postage, mail flyers
- 25.00 Vera Lyman, 33rd Anniversary Cake
- 61.02 Roger Pabian - Gem Books for Library, # 3 & 4.
- 46.89 UNL Printing - Jan P&S

Motion for approval by Shirley Rockel, 2nd by Dave Heffelbower. Carried.

For Payment & Approval:

- \$ 1.58 Accent Printing - Swap fliers for mailing
- 4.33 Phyllis Parks - Copies, etc.
- 300.00 UN Foundation - 1989 Deposit to Scholarship Fund

Motion for approval by Dave Heffelbower, 2nd by Tom Simmons. Carried.

Motion by Tom Simmons to pay Friends of Museum \$ 50.00 again this year. 2nd by Phyllis Parks. Carried.

'88 SHOW BILLS: Paid but approval:

- \$ 2.40 Lincoln Chamber of Commerce - Postage/Visitor Information

Motion for approval by Dave Heffelbower, 2nd by Shirley Rockel. Carried.

For Payment & Approval:

- \$ 6.33 Accent Printing (100 Show Flyers)

Motion by Tom Simmons, 2nd by Dave Heffelbower. Carried.

Silent Auction Committee recommends that receipts from Silent Auction be used to pay off commitment to Dredge Project (\$ 9.33) and remainder to Jr. Account (\$ 31.37)

Motion to accept by Jim Parks, 2nd by Shirley Rockel. Carried.

PINS & PATCHES:

1980 Pins & Patches sold. Motion by Shirley Rockel to purchase 1 doz. each of MWF & NAOESCI pins. 2nd by Dave Heffelbower. Carried.

MEMBERSHIP:

Edward & Connie Whyrick - Motion for approval as members by Shirley Rockel, 2nd by Dave Heffelbower. Carried.

Jim Garver; Dave & June Bilyeu - Motion for approval (subject to attending a meeting) by Phyllis Parks, 2nd by Dave Heffelbower. Carried.

BUDGET FOR '88:

Compared with 1987 and few changes made.

P & S:

Sunshine news will be submitted by Billie Heffelbower beginning with the March issue. Thanks to Gail Claire Scott for time served in that capacity.

March Board Meeting at Rockel home on Mon. March 7, 7:30 P.M.

Respectfully submitted,

Vera Lyman

Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Feb. 27, 1988

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

Minutes of the Jan. Meeting were approved as printed with motion by Helena Baegl, 2nd by Susan Taylor. Carried.

Treasurer's report approved as printed with motion by Dave Heffelbower, 2nd by Roger Pabian. Carried.

Hospitality Chairman, Ed Ridge reported 28 members and 2 Juniors in attendance, with 4 guests.

NO OLD OR NEW BUSINESS.

COMMITTEE REPORTS: SHOW - Roger Pabian

Janet Wright thanked everyone who brought egg cartons for the Jr. Project at the Show. Requested donation of small mineral specimens if anyone had any.

Roger reported that 13 dealers have been contracted and hoping for one more. Good weather is ordered. Demonstrators have been contacted.

The Saturday Night dinner will be catered by the Prospector Restaurant at 8:30 P.M. It will be a 3-meat buffet. Sign-up sheet passed around. Reservations must be in by March 14th.

Tables will be set up but we must cover them. Also, help needed in the workshop area; Gerald Moore will need help with the Sapphire Dig. Don Phillips needs help at the Fossil Dig. Ticket sellers needed. Extra cases needed.

Request exhibits showing all levels of skill. Beginners exhibit just as important as advanced. A newcomer needs to see beginners luck as well as the experienced.

Programs: On faceting, Lake Mac Dig, Lake Superior Agates, Dinosaurs, Cabbings.

THANKS: From Morrill Hall for donations from the Club for renovations.

SCHOLARSHIP AWARDS:

Scholarship Chairperson, Marie Taylor first introduced Dr. Treves of the University. He then presented a copy of Janet Wright's thesis to the Club. He introduced the two Scholarship recipients and Marie presented each with a check for \$ 150. on behalf of the Club. Mike Moran and Kirk Morrow each presented a short summary of the work they are doing.

PROGRAM: Excellent program presented by Roger on "Inclusions In Sapphires" (Corundum) Evening concluded with everyone enjoying cake & coffee.

Respectfully submitted,

Vera Lyman
Vera Lyman, Secretary

LGMC Treasurer's Report for February 1988

NBC Checking 1/31/88 \$ 382.91

Receipts:	1988 Member Dues & Reinstatements	28.00	
	Suspense for member subs GP	2.00	
	Sale of LGMC patch	1.50	
	Subscription Pick & Shovel	4.00	
	'88 Show Dealer Deposit	100.00	135.50
Payments:	Misc. copies & reports	5.91	
	Dues/Donation Friends Museum	50.00	
	Forward 2 member subs GP	4.00	
	Purchase 12 NAOESCI Pins	12.00	
	Postmaster-Precancelled Stamps	62.50	
	Jan. Meeting rent/coffee/swap	124.99	
	City Parks /Rec-prepay May meeting	25.00	
	'88 Show flyers & printing	14.65	
	'88 Show Sapphire Dig expense	30.00	329.05

National Bank of Commerce Checking 2-29-88 \$ 189.36

NEIHARDT SPRING CONFERENCE

The eighth annual Neihardt Spring Conference, to be held April 23, 1988, at the John G. Neihardt Cultural Center in Bancroft, Nebraska, will have an unusual appeal for Lincoln Gem and Mineral Club members. Dr. David C. Young of the University of California, Santa Barbara, son of Active Life Members Myrtle and J.D. Young, will be one of the principal speakers. Dr. John G. Neihardt himself was an honorary life member of LGMC and a close friend of many of its members.

The theme of this year's conference is "John G. Neihardt and the Classical Tradition." Dr. Young holds the title of Professor of Classics at Santa Barbara and has long been a scholar of Neihardt. He is considered a world authority on Pindar, a Greek lyric poet who died in 443 B.C. Among Pindar's works are 44 complete "Odes of Victory," celebrating victories in great national games. For the 1984 Summer Olympics in Los Angeles Dr. Young published a very well received discussion of the Olympics in early Greece, titled The Olympic Myth of Greek Amateur Athletics.

Dr. Neihardt's interest in the classics began early. In his poem, "The Child's Heritage," one of the most quoted stanzas is:

"With Eld thy chain of days is one:
The seas are still Homeric seas;
Thy sky shall glow with Pindar's sun,
The stars of Socrates!"

In "The Poet's Town," his acquaintance with the classics enabled him to write such beautiful lines as:

"Once in a cycle the comet
Doubles its lonesome track.
Enriched with the tears of a thousand years
Aeschylus wanders back.

Ever inweaving, returning,
The near grows out of the far;
And Homer shall sing once more in a swing
Of the austere Polar Star."

Neihardt taught himself to read and write Greek before he began his epic, A Cycle of the West, reasoning that anyone who undertook to write an epic must know the language in which the greatest epics had been written. It was both the Greek and the Roman poets who allowed Neihardt to see the relationships between what was happening in the lives of the American Indians and what had happened in the lives of other races long ago. Dr. Young has some very insightful things to say about Neihardt's interpretations of Indian life.

Other speakers at the Neihardt Spring Conference will include Sally McClusky, writer and consultant for Holt, Rinehart & Winston and Harcourt Brace; and Hilda Neihardt Petri, daughter of Dr. Neihardt. This will be a day-long conference. Admission is free and everyone is invited.

THE POTOMAC RIVER AND THE PATOWMACK CANAL.

Until the arrival of the June, 1988, issue of National Geographic magazine, I had never known--and I suspect many others hadn't either-- that the first President of our nation was also the first president and prime originator of a canal system that, with some overland portage, linked the Potomac River with the Monongahela, which connected it with the Ohio. This accomplishment meant far more than the transporting by hundreds of boats the loads of corn and wheat, coal and limestone, flaxseed and furs downstream from the mountainous Cumberland region and the return of manufactured and imported goods upstream. The communication and commerce with the interior served to bind the ever-expanding wilderness settlers to the Thirteen Colonies rather than letting them be drawn to the Spanish by way of the Mississippi or to the British through the Great Lakes. Because of the many falls along the Potomac, including Great Falls, the task, in the years of 1785 to 1802, was stupendous.

For me, the timing of the publication of the National Geographic was perfect. During that very month my niece and her husband and two sons had moved to Potomac, Maryland, so that her husband could do research in childhood immunology at the National Institutes of Health. My sister and her husband were to follow in July, after their farm sale near Neola, Iowa. In August I would attend a workshop at the Smithsonian National Air and Space Museum, in Washington, D.C., of which Potomac, Maryland, is a suburb. The opportunity was set for my introduction to the beautiful area of the falls of the Potomac.

One cannot understand the falls without understanding something of the geology of the region. The Potomac rises in the Appalachian Mountains and flows eastward to the Atlantic Ocean, cutting through the Blue Ridge below Harpers Ferry. Its mouth is at Point Lookout on Chesapeake Bay. The forces at work were the ever present forces of uplift and erosion. The Potomac River is estimated still to carry more than six million tons of sediment and about one million tons of dissolved material over the falls each year.

The nature of the landscape and the river valley is determined largely by the nature of the underlying rocks. Leaving the Blue Ridge, the Potomac crosses the Catoctin Mountains at Point of Rocks and spreads into a wide, sluggish, shallow river in the Frederick Valley and Leesburg Basin--wide and shallow because the underlying red sandstones and shales are rather easily eroded. When it reaches the Piedmont Plateau it flows over land underlain by hard rocks which resist erosion but are subject to chemical decomposition. Here the river flows through narrow, steep-sided valleys. It is here that the falls occur. At Great Falls the river changes abruptly from a rather broad, shallow, placid river to a rushing, twisted river with rapids and falls. Not until it passes under the Arlington Memorial Bridge at the Lincoln Monument in Washington, D.C. does the Potomac leave the Piedmont Plateau for the Atlantic Coastal Plain.

About two million years ago the Potomac was flowing through a broad valley in approximately its present position. Then the great period of continental glaciation began. Water was withdrawn from the oceans to form the great ice sheets on land. Sea levels around the world fell by as much as 500 feet. Most of the continental shelf off the eastern United States was exposed. The shoreline lay as much as 75 miles east of its present position. As the sea level fell, the river flowed faster. At Great Falls a series of thick rock layers particularly resistant to erosion

slowed the progress of valley cutting and formed the falls. This hard bedrock has produced the spectacular mile-long Mather Gorge within the last two million years. Because the water flows so rapidly, the Potomac is very dangerous at this point. Seven persons a year, on average, drown between Great Falls and Little Falls.

At Great Falls the river drops 40 feet in 200 yards and is channeled into Mather Gorge, less than 28 yards wide in places. The problems of building locks to transport boats around these falls were tremendous. A series of five locks, overcoming a 77-foot drop in the river, were required at Great Falls, with additional bypass canals at four lesser falls. One must remember that modern machinery was not available; dynamite blasting techniques were dangerously unperfected; and this was not a government project. There were also differences to be overcome between Maryland and Virginia, for which the river is a boundary.

George Washington had early become interested in land acquisition, doubtless strengthened by the invitation at age 16 to join a party to survey Lord Fairfield's five-million-acre holdings. When he was 14 George Washington had found the surveying instruments belonging to his father, who had died, and had quickly learned to use them. He purchased his first piece of Shenandoah land when he was 18. The Patowmack Company was founded in 1785, four years before he became President of the United States.

The Patowmack Company was plagued by problems, especially lack of money and the unreliability of river flow. The river has a tendency to flood almost every two years, with extremes of high and low water which made it dangerous or impassable all but about 30 to 45 days a year. Nevertheless, the canal functioned reasonably well from 1788 until 1830, carrying millions of dollars worth of produce and doubtless influencing eleven new states to join the Union by the time the company died.

When bankruptcy finally overtook the company in 1828, its assets and liabilities were turned over to the Chesapeake and Ohio Canal Company, but that company also was doomed. The C & O Canal was begun in 1828 and operated over a length of 184½ miles from 1850 until 1924, when a major flood destroyed much of the canal. Competition from railroads had made it obsolete anyway.

Other major floods have occurred in 1936, 1942, 1972, and a record-breaking one in November, 1985, 39 feet above flood stage. From this flood, damage is still visible. Nevertheless, enough remains to make a visit an exciting experience. On the Maryland side, the Great Falls Tavern and Museum, which was built between 1828 and 1830 as a stop on the C & O Canal route, exhibits the history and many artifacts of the canal. Boat trips using a mule-drawn boat travel the canal for an hour and a half, but we didn't have time to do that. However, walking along the canal, seeing the aqueduct dam and the falls and locks below it, were reward enough.

The Great Falls themselves are not visible from the Maryland side of the river. One must follow the Vermont side to the Visitors Center there. It is on the Vermont side of the river that one can actually experience the thrill of walking on the stones, still in place, of the canal George Washington built. For us, that has to wait until another day.

Florence (Boring) Lueninghoener

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505



Invites you to attend its

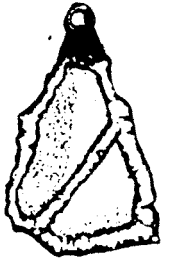
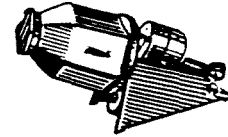
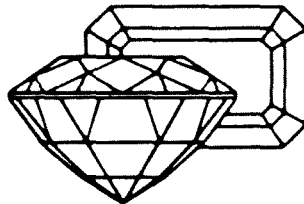
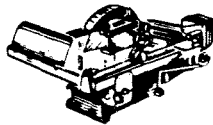
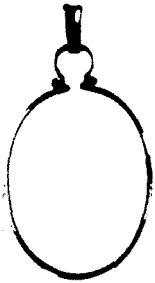
Big 31st Annual

Gem & Mineral Show

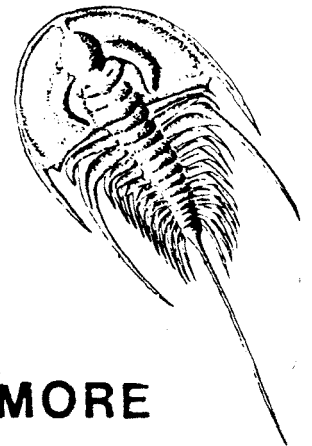
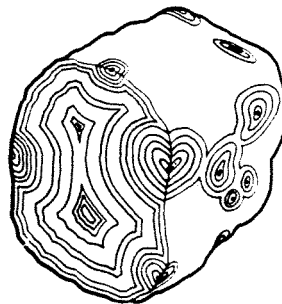
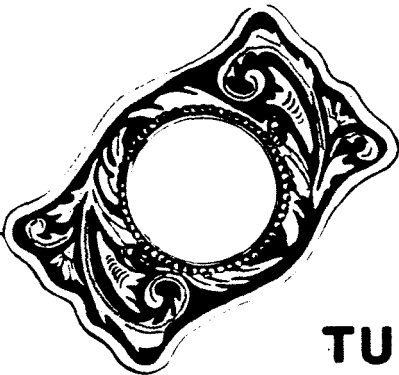
MARCH 19, 20, 1988

Pershing Auditorium

226 CENTENNIAL MALL SOUTH



**TUMBLERS-DEALERS-PROGRAMS-JASPER-ROUGH-
AGATE-JADE-FOSSILS-MINERALS-SAWS-**



**TURQUOISE-DISPLAYS-FINDINGS
JEWELRY MAKER'S SUPPLIES- and MORE**

SHOW HOURS:

Saturday, March 19, 9:00 - 8:00
Sunday, March 20, 9:00 - 5:00

ADMISSION:

Adults.....\$2.00
Students, Seniors...\$1.50
Children.....\$0.50
Under 6, free with adult.

Midwest Federation NEWSLETTER

MIDWEST FEDERATION ENDOWMENT FUND REPORT:

I am not satisfied with the progress of the MWF Endowment Fund, and would like to appeal to everyone in the MWF to do what they can to support it.

It is very disheartening to solicit materials from clubs for live auctions, and then not have very many people show up to buy the material. I would urge you to attend these auctions in the future, as we have had some really nice material donated.

I would especially like to ask the State Directors to make a concerted effort to appeal to their constituents to promote the Endowment Fund, in any way possible.

Some ideas you might try are as follows:

SILENT AUCTION

OR LIVE AUCTION.....Some clubs are already doing this, and donating the proceeds to the Endowment Fund.

MEMORIALS.....A donation given in memory of a member who has passed on.

DUTCH AUCTION.....Have an item to be auctioned...hold it up for everyone to see. Two people or more are needed for this, to collect the quarters. At the signal, members put their quarters in a jar. You may put in as many quarters (one at a time) as you like. There is no time limit, but when the auction is closed, the person putting in the last quarter in the jar wins the prize. (Sometimes this is a little close). The money goes to the Endowment Fund.



It is a good idea to advertise this ahead of the meetings, so the members come with their pockets filled with quarters.

HIGHEST BIDDER.....Give each person a slip of paper on which to place their name and bid. Pass around a mineral specimen, fossil, ring, or whatever you have. Each person writes the amount they will pay for the item on the paper along with their name. The prize goes to the highest bidder, and the money to the Endowment Fund.

COOKBOOKS.....The Rock Exchange Club of Detroit has published their own cookbook, and are donating \$1.00 from the sale of each book. They printed 500, after all are sold, the MWF Endowment Fund will be \$500.00 richer!!!

I would welcome any fund raising ideas you might have.

Thanks,
Marve
Marve Starbuck
Chairman, Endowment Fund



A F M S Scholarship Award



Each year the Midwest Federation submits its nominee for the American Federation Scholarship Award. The nominee selected in turn selects two graduate students to receive a grant for two years. The current value of each grant is four thousand (\$4,000.) dollars. A most generous aid to the student in graduate school. More to the point of this message is the selection of the individual to be honored by the Federation. Let me point out that you make the nominations from which the nominee is chosen. It is to you to identify an individual and submit their credentials for evaluation. Currently there are four nominations in the file. No one has been nominated in the past year (1987)

Nominees and award winners in the past are generally from the academic world teaching in some field of earth science. Some in the past have been museum directors, government workers, state geologists and other professionals. A friend or a club may submit the credentials to the selection committee. The selection and the committee procedure are part of the by-laws of the Federation. In recent years in addition to the nomination being involved in the earth sciences the committee has also been interested in the involvement or commitment of the individual to the interests of members of the Federation.

In the past 15 awards the distribution by state is: Ill . 3
Nebraska 3, Minn. 2 Ohio 2, and one each from S.D., In,
Mich., Mo. and Wisc.

Since nominations are not discarded a nomination now would be active for several years even if not chosen this year. Send your nominations to me :

Benjamin Moulton
RR 21 Box 103
Terre Haute, IN 47802

I hope to hear from you . Please don't let me feel like the lonely Maytag Man.

Respectfully ,

Ben Moulton
First Vice President



WANTED - (Alive, only!)

Due to personal commitments, this Midwest Federation Newsletter is in dire need of someone to take over the editorship of this monthly bulletin.

WORKING CONDITIONS: - The Best! Your own home.

HOURS: - You can make your own.

BENEFITS: - Being the recipient of lots of interesting mail and friendly letters.

For further information, please call, Paul Clifford, Pres. MWF or me, Lois McMahon, (312) 629-4342.

PATRONIZE YOUR ADVERTISING DEALERS

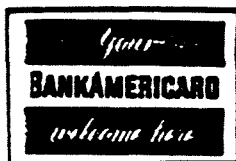
MEXICAN MINERALS - SLABS - TUMBLER STONES

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SUPPLIES

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

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

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

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

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

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

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

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

DON'T FORGET: You have only a few days left to get your display ready for the Show!

DON'T FORGET: There is a General Meeting the 4th Saturday of March this year!
MARCH 26, 1988 - 7:30 P.M. NEBRASKA CENTER
Beatrice Room

See you at the Show!
March 19 + 20



h.e.l.p.

HELP ELIMINATE LITTER PLEASE!

MAIL ALL EXCHANGE BULLETINS TO:

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



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