

THE PICK & SHOVEL



April 1983

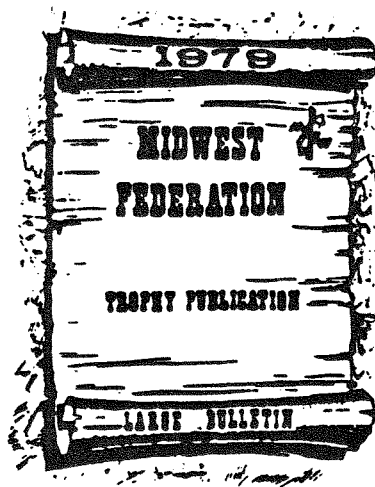
In this issue SNOW

. . . . FAMILIES WHO MAKE THE HOBBY

METALLIC SULFIDES -
PENNSYLVANIAN SYSTEM

LETTER FROM LEE

COMMENDATION TO FLORENCE



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)

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

1983 ELECTED OFFICERS:

President.....	Howard Taylor, Jr.	910 New Hampshire	Lincoln, 68508	476-3707
1st Vice Pres...	Glenn Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
2nd Vice Pres...	Claude Scott	4917 Normal Blvd.	Lincoln, 68506	488-0739
Secretary.....	Gail C. Scott	4917 Normal Blvd.	Lincoln, 68506	488-0739
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	John Abel	2829 Van Dorn	Lincoln, 68502	423-7654
Board Member....	Florence Boring	2836 S. 40th St.	Lincoln, 68506	488-6243
Board Member....	Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032
Board Member....	Frank Rule	6333 Kearney	Lincoln, 68507	466-1697

Nominating Committee -- 3 years: Richard Haney, Wilfrid Wittman
2 years: Vera Lyman, Frank Rule
1 year: Marie Taylor, Jim Parks

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Jim Parks, Phyllis Parks 3 years - Roger Pabian, John Abel
2 years - Marie Taylor, Vera Lyman

STANDING COMMITTEE CHAIRPEOPLE:

Programs.....	Claude Scott	1983 Show.....	John Abel
Education/Publicity.	Roger Pabian	MWF Liaison.....	Marie Taylor
Hospitality.....	C. Rose & J. Haney	Refreshments/Party..	Marj Heedick
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Librarian.....	Jim Parks	Outside Displays....	
Membership.....	Bob & Mary Walker	Housing/Property....	Claude Scott
Field Trips/Safety..		Editor.....	Vera Lyman
Sunshine Corner....	Susan Taylor	Junior Activities....	
NAOESCI Reporter....	Vera Lyman	'83 Rockhound of Year Chairman....	John Abel

Auditing Committee 1982.....Ray Lambert, Chairman
Florence Boring, Vera Lyman

PICK & SHOVEL STAFF:

Editor.....Vera Lyman, 420 North 56th St. Lincoln, NE 68504
Club News.....Helena Baegl
Sunshine.....Susan Taylor

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.



Club Calendar

April							1983	
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		

GENERAL MEETING: Saturday, April 23, 1983, 7:30 P.M.
 Nebraska Center, 33rd & Holdrege
 Room 53/63, in the north annex.
 Park north of building or west of 33rd St.

SPECIAL PROGRAM:

"TRIP TO EGYPT"

by Dr. Lloyd Tanner
 University of Nebraska

(This program was scheduled to be shown at our
 annual show, but due to weather conditions,
 Dr. Tanner was unable to attend)
 Don't miss it!

BOARD MEETING: Thursday, May 5, 1983, 7:30 P.M.
 910 New Hampshire (Taylor home)

SUMMER MEETINGS: June - Watch for announcement. Help us plan
 a special project for the entire club to do.

July - At Chet Ager Nature Center
 Gem cutting and polishing demonstrations
 Several slide programs
 1 - 4 P.M. followed by Club Picnic in
 Pioneer Park. Bring a meat dish and salad,
 vegetable or dessert. Own table service.

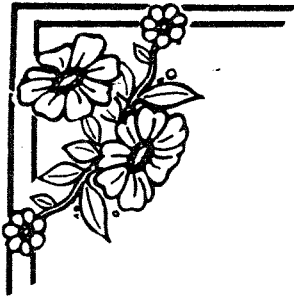
August - Tentatively planned Field Trip
 Watch for place and time.

MAY MEETING: Silent Auction - Let's see how many special
 items we can come up with.

* * * * *

LOCAL SHOWS:

- April 30 - May 1 STATE ROCK SWAP Lexington
 100th Meridian Gem & Mineral Club
- April 29 - May 1 SHOW Hastings
 Central Nebraska Rock & Mineral
- May 1 HOBBY SHOW Ainsworth
 North Central Nebraska Rockhounds



GREETINGS FROM THE SUNSHINE CORNER:

A "thank you" can be many things -
Welcome as the daisies,
Refreshing as summer rains.
Cheery as yellow daffodils
And sunlit windowpanes.
Cherished as a tender kiss,
Friendly as a smile;
A "thank you" can be many things,
Making life worthwhile.

- Violet Begelow Rourke

This past month a get-well card was sent to Irl Everett,
and a sympathy card was sent to Lynn and Marie Wells.
(Marie's mother passed away after a very long and happy life.)

Let's keep the sun shining!



We would like to take this opportunity to say
"thank you" to the Club for the Show dedication plaque
which you presented to our family at the Awards Breakfast.

This plaque will be hung, with pride, with the other
plaques Howard received during his years of devoted work
to the Club, the State Association, and the Midwest Fed-
eration.

The Taylors - Marie, Jim & Susan

* * * * *

A special Thank You to the Club members for the
sympathy cards and support at the time of my Mother's
death.

Marie & Lynn Wells

* * * * *

Best of All

He does well who does good
To those of his own brotherhood,
He does better who does bless
The stranger in his wretchedness,
Yet best, oh! best of all does he
Who helps a fallen enemy

IN THE RACE TO BE BETTER OR BEST, MISS NOT THE JOY OF BEING.

Edward A. Gloeggler

President's Message

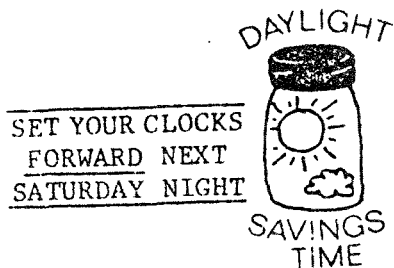
The Silver Anniversary show of the Lincoln Gem and Mineral Club is now history. The shows that our club has put on for the last 25 years are not the effort of just a few people, but are the result of the efforts of every member of our club. This year's show was a success for this very reason. I want to take this opportunity to say "THANK YOU" to the members of the Lincoln Gem and Mineral Club for the many interesting and educational displays that they brought to the show, and for all the help that they provided. A special "THANK YOU" to the members of the show committee for their hard work. Congratulations everybody, on another job well done!

The Lincoln Gem and Mineral Club received a donation of mineral specimens and agates from the collection of the late C. Ray "Pappy" Waddle, a former Life member of our club. Much of this material was sold at the show's silent auction. The remainder of this material will be sold at club silent auctions. The board of directors and members of the Lincoln Gem and Mineral Club send a special "THANK YOU" to Mrs. C. Ray Waddle.

About the only thing that went wrong with this year's show was the weather. Mother Nature finally got even with me. I guess I bragged too much about the fact that we beat her when we had our Mid-Winter swap in January.

The bad weather did cause our attendance to be a little less than what we had hoped for but everyone that came did enjoy the show. Unfortunately the weather did cause the cancellation of one of the show's scheduled programs. Several show guests and club members as well were greatly disappointed when they heard that Dr. Lloyd Tanner would not be giving his program entitled "Trip To Egypt". Since the show I have talked with Dr. Tanner and he has consented to present this same program at the April general meeting. I hope that everyone that wanted to see this program will join us then. See you there!

Jim



APRIL 23rd! It won't affect your attendance at the meeting on Saturday evening, but if you forget - - you will be an hour late for anything on SUNDAY!

ODDS 'N' ENDS

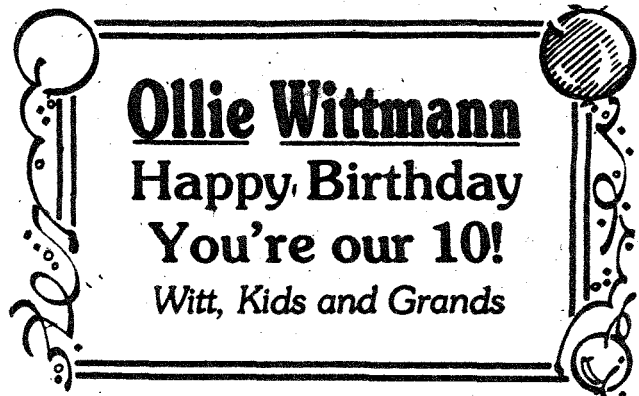
I talked with Mrs. Young several days ago and she is doing just fine. She has permission to be up and down now and is anxiously waiting for some warm days so she can go and sit out on the patio.

Myrtle and J.D. had their son home for several weeks during the time of the Show, so he was helping "Dad" take down his case when I met him. He lives in Minneapolis and has been an actor for the past 20 years. Since there was already a 'Don Young' in the acting field when he started his career, he chose the name Don R. Fallbeck (his mother's maiden name) as his stage name. He had been working at the Court Theatre on the University of Chicago Campus from August to December, so he was glad to get a break. Really, I think he was just home checking on Mom!

Helena has informed me that she is going to retire as contributor of Club News for the Bulletin. Her sister has been ill and it has been difficult for her to find time to collect 'tidbits'. We all hope your sister will be well again soon.

This appeared on Page 3 of The Lincoln Star on Saturday, April 9th. I would say you do really rate, Ollie!

Happy Birthday and
Many Returns



I'm told Florence had a wonderful trip to Las Vegas!. No, not for that; but to attend an Aviation Convention.

Letters

* * * * *

As most of you know, Lee Pivonka was the recipient of a special scholarship from Marie, Jim and Susan, from the Howard Taylor, Sr. Memorial.

Following is a letter of thanks from Lee for this Scholarship.

Also following is a copy of the letter Florence sent to Julie Sullivan including a list of all the materials she gathered together and sent for a school project. You certainly did a fine job, Florence. THANKS for volunteering.

* * * * *

JOINT RETURN

High taxes vex and bother us;
They almost break our will.
I rant and rave and stamp and fuss -
My husband pays the bill.
by M.F. Heisey

I HOPE EVERYONE
HAS FILED THEIR
RETURNS!
April 15th is past!!

LEE J. PIVONKA
1101 Illinois Street
Golden, Colorado 80401

Telephone: (303) 278-2347

April 2, 1983

Mr. Howard J. Taylor Jr.
President
Lincoln Gem and Mineral Club, Inc.
P. O. Box 5342
Lincoln, NE 68505

Dear Jim and Club Members:

I was very surprised to hear that I had been chosen as the recipient for the Howard Taylor Sr. Memorial Scholarship. Mr. Taylor Sr. was certainly a true friend to many people, including myself. I only wish I could have been in Lincoln last weekend for the annual show and to accept the award personally.

I would like to thank the Club and especially Mrs. Taylor, Jim, and Susan for their thoughtful consideration. I miss all my friends in Lincoln and hope to stop back this summer for a week or two.

At present, I am very busy preparing my thesis proposal along with my regular class work. If I do not secure summer employment, I will start my thesis field work in May. My thesis area is very close to Golden (about 20 km). My thesis title is Geologic and Geochemical Studies of Mineralization on the Southern Slope of Maryland Mountain, Gilpin County, Colorado.

Once again, thank you and I hope to see you all this summer.

Very Sincerely,

Lee J. Pivonka

Lee J. Pivonka

2836 South 40 Street
Lincoln, NE 68506
March 21, 1983

Miss Julie Sullivan
Moorland, Iowa 50566

Dear Julie:

On behalf of the Lincoln (Nebraska) Gem and Mineral Club I am sending you the following. Your letter to the Lincoln Chamber of Commerce requesting Nebraska rocks for your school project was forwarded to us.

- 1 prairie agate
- 1 Nebraska blue agate with drusy quartz lining
- 2 pcs. polished Nebraska blue agate
- 1 "blue" agate, Toadstool Park
- 1 calcite in limestone
- 1 banded chert
- 1 red jasper
- 1 blue celestite crystals in vug
- 1 packet Odell "diamonds"
- 1 banded pink quartzite
- 1 pc. sandstone concretion (Indian "paintpot")
- 2 pc. horn coral
- 2 chalcedony "roses"
- 2 pc. slate
- 3 pc. chert and flint
- 2 pc. siltstone
- 1 pc silky gypsum
- 1 large selenite crystal
- 2 pcs. Nebraska wood

Each specimen is marked with its identity and the location where it was found. I am also inclosing a postcard picture of Toadstool Park and a map of Nebraska, so that you can find the locations on the map.

I hope that you and your classmates are enjoying your project with rocks of the states.

Sincerely yours,

Florence M. Boring

Florence M. Boring
for LGMC

LINCOLN GEM & MINERAL CLUB, INC.
Board of Directors March 3, 1983

Board of Directors meeting called to order by President, Jim Taylor on March 3, 1983, 7:30 P.M. at the Taylor home. Seven Board Members, Vera Lyman and Marie Taylor present.

Minutes of February meeting read and with correction of estimated figure for Gem Palette Subs. to actual charge of \$ 69.00, motion to approve by Glenn Lyman, Second Claude Scott. Motion carried.

Paid bills presented for approval:

- \$ 10.97 Postal Instant Press ('83 Financial Statement printing)
- 22.02 Vera Lyman, Feb. P & S mailing
- 124.31 Nebr. Center - Jan. Swap & Meeting

Bills approved.

Bills presented for approval and payment:

- \$ 20.00 Secretary of State for nonprofit organization status
- 6.02 Phyllis Parks - Stamps & receipt book
- 20.00 Pantry - NAOESCI Delegates Luncheon tickets
- 48.28 UN printing Feb. P & S and '83 Who's Who

Motion Glenn Lyman for approval, second Phyllis Parks. Carried.

'83 Show bills presented for payment:

- \$ 12.00 UN printing of Display registrations & Best Nebr. Specimen entry blanks (Roger Pabian)
- 50.00 Mr. Jim Russell, dealer refund (Jim Taylor)
- 107.00 Alexander & Alexander, for Liability coverage for the Show. (Glenn Lyman)

Motion by Florence Boring, second Glenn Lyman for approval. Carried.

NO OLD BUSINESS:

With the offer of a display case by Roger Pabian and Interest of others expressed, decision to have Florence Boring contact John Lindall with the willingness of LGMC to participate in the proposed show at the Neihardt Center in the fall.

NEW BUSINESS:

Discussion of membership fee as family while a couple are treated as two individual memberships. This question to be brought to the Long Range Planning Committee.

Contact past President Roger Pabian about appointment of 3 persons to Long Range Planning Committee to fill deficiency of numbers in this committee.

Midwest Federation requesting rocks from Nebraska - Blue Agate & Prairie Agate. Frank Rule will bring some to Marie Taylor to be sent to Michigan. Chamber of Commerce received request for rocks from this area from an elementary student in Iowa. This request referred to LGMC. Florence Boring volunteered to honor this request.

- continued

Board of Directors March 3, 1983 - continued

Recommendation:

Bills be listed in the P & S at the time they are approved for payment. This is to prevent duplication. Bills presented for approval already paid and bills presented for approval and payment. Motion to this effect by Florence Boring, second Glenn Lyman. Motion carried.

Two checks outstanding for nearly two years and now listed in a suspense fund. Motion these two checks: \$ 5.00 to Sharr Choate and \$ 10.00 to Mrs. Doralea Hyland be transferred to the general fund, made by Florence Boring, second by Glenn Lyman. Motion carried.

Marie Taylor, Chm. of Scholarship Committee reported her contact with Dr. Samuel Treves for candidates for the scholarship awards. Dr. Treves supplied four names from which two will be chosen. Because of funds available it was proposed two scholarships of \$ 150.00 each be awarded. Motion by Phyllis Parks, second Florence Boring that the club give a Scholarship to M. Ghazi and to Carol Harlem; that the club pay for the breakfasts of the recipients and Dr. & Mrs. Treves. Motion carried.

Requests for reinstatement by Mark Mercier and Hal & Darlene Jansen Approved.

John Abel absent so no show report. Jim Taylor spoke of need for workers to help with the setting up and dismantling of the show.

No general meeting in March as show falls on that weekend.

Next Board of Directors meeting April 7, 1983, 7:30 P.M. at the Taylor home.

Meeting adjourned by President, Jim Taylor.

Respectfully submitted, Gail Clare Scott, Secretary

EDITOR'S CORNER

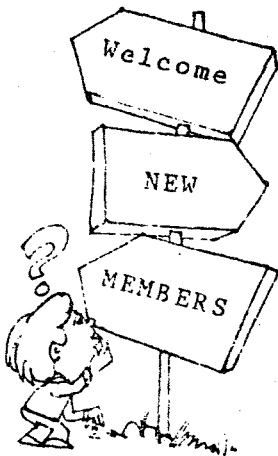
As most of you, I'm tired of waiting for Spring! It has resulted in a slow "slump" and will probably take a week of sunshine to revive me.

As your Editor, I'm again asking for your assistance. During the last several months, Helena has been unable to contribute her "HIGHLIGHTS". Her sister has been under the weather and needed a lot of care. This left little time for Helena to collect her bits of human interest.

She called me this past week and requested that someone else take over the task of collecting Club News. I'm sure Jim will be asking for volunteers at our general meeting. Be thinking about it. It's not a difficult task; all you need do is collect the news and relay it to me by the first of the month. Your help will be greatly appreciated.

"THANK YOU" for your many years of service to the Club and Editors, Helena.

Last month contained an interesting weekend - that being the weekend of our show. The weather was "far from desirable" but the true Rockhound did manage to attend the show at some time or another. The programs, exhibits, demonstrations and dealers were all excellent. Our membership was even increased during that time.



Richard Hornung REINSTATED
Route 8, Lincoln 68506
4234198

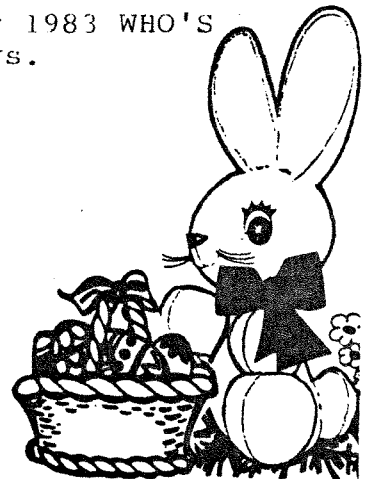
Dr. Harold F. Krieger REINSTATED
821 North 57th St. 68504
464-4646

Fred B. Holbert NEW MEMBER
2822 South 13th St. 68502
423-5639

PLEASE REMEMBER TO ENTER THESE IN YOUR
"WHO'S WHO" AND KEEP IT UP TO DATE!

All Club members who have not yet received their 1983 WHO'S WHO, please try and do so at the April or May meetings.

Happy Easter



FAMILIES WHO MAKE THE HOBBY -

I have known the Taylor family of Nebraska for many years. Howard and Marie raised their children in the hobby, and now that Howard is gone, his son Jim is taking the position of leadership formerly held by his father, and Susan is also an active asset to the Lincoln club, which has twice hosted the National Show.

- via Lapidary Journal
April, 1983 p. 10
By June Culp Zeitner

* * * * *

NAOESCI Meeting - March 27, 1983, 1:30 P.M.
Delegate's Report

The scheduled Annual meeting of the Nebraska Association of Earth Science Clubs, Inc. was called to order by President Jim Harrison. After roll call it was determined that only 10 Clubs were represented. (This was more than likely due to our weather.) Since a quorum was not present and business could not be conducted, the meeting was adjourned.

After a discussion between those delegates present, a tentative date and location was made for rescheduling the 1983 Delegates Meeting. A possible site for the meeting will be Cottonmill Park, location of the Kearney Swap; one week after Labor Day, September 11, 1983, 1:30 P.M.

Be sure to read the Gem Palette for a definite date and location.

Delegate Glenn K. Lyman

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ALL AMERICAN FEDERATION CLUB AWARD

Florence has volunteered to set up a file and collect all materials for the All American Club Award contest.

The All American Club is a chance for us to let the AFMS and MWF know what our purpose is, how we achieve it and accomplish our club projects. These are the eight major areas.

1. Service to Members and visitors at meetings.
2. Service to Members away from meetings
3. Club publicity
4. Service to other Clubs.
5. Service to Federations.
6. Service to own community and near-by areas.
7. Services to distant communities or projects.
8. Services to or involvement in Public agencies.

The only way we can cover all these areas is by everyone in the club keeping an eye out for articles about members and the club. Please pass it along to Florence with the publication it appeared in. We have a good club. Let's let people know.

SNOW

Snow is a respectable 4-letter word -- pure as its driven self. LGMC had plenty of it for our March 26 and 27, 1983 annual show in conjunction with the Nebraska State show at the State Fairgrounds Agricultural Hall. Some members and dealers could describe the white stuff with some unrighteous words of the same quadruple letter count. Snow may provide great fun for the winter sports enthusiast if its physical properties meet the established standard; but for a Gem Show it leaves the cash box "cold".

This familiar crystal compound of hydrogen and oxygen may be delightfully beautiful or disagreeably ugly, depending upon the current circumstances. It is all part of the natural world's thermal cycle, whether it is merely seasonal or part of an ice age, prolonged over thousands of years. The old notion that no two snowflakes are exact duplicates had recently been challenged - but who cares?

The recent reversal of weather conditions was one of the worst in more than twenty years of local show participation, according to my memory. I shall devote most of this discourse to describe some other nasty weather experiences, vividly remembered. The old saying, "If you don't like Nebraska weather, just wait a few minutes," is rather misleading because it may be said about most any place in the world.

This late March, 1983 storm seemed "out-of-season" because we were spoiled by the preceding spell of spring-like weather. We have had much later heavy snows in April, and even in May. I remember a heavy one about the middle of May in the late 1950's, and a May 29 freeze once killed all Lincoln tender garden plants.

In the second week of April, 1928 Myrtle and I returned from Lyons, Nebraska after our Easter vacation on the day after a real old-fashioned blizzard had occurred following spring-like weather. Travel on most highways was absolutely impossible. By a series of detours we finally made our way to Weeping Water with our faithful old Essex-4 open car. There we were told that the only mode of travel was by horse-back, but we proceeded on south to the east "O" Street road and then expected to travel westward 30 miles to Lincoln.

We found that road completely blocked by deep drifts. Most of the telephone poles along the north side of the highway were snapped off by the fierce wind and upended in the unpaved roadway, with their wires lacing the snowdrifts. We threaded our way through numerous blown-down fences and traveled over farm lands until our headlights revealed the east edge of Lincoln. To our great surprise practically no snow had fallen beyond 70th and "O" Streets.

Blessings on that old Essex-4! With it we later forded the White River in S. Dakota and the Belle Fourche River near Wyoming's Devil's Tower; and we once pursued three Packards loaded with

SNOW - continued

Gypsies in the Badlands to recover \$10.00 stolen from our "Oasis Tourist Camp" near Conata. (See Pick and Shovel, April 1977) That was a risky venture for 10 dollars, and as we now regard it in more mature perspective - foolhardy!

The April, 1928 trip from Lyons was after a late spring blizzard, but our most thrilling one was during an early winter violent mountain blizzard the night before Thanksgiving Day, 1964. We were bound for Seattle from Spokane, Washington via the huge Grand Coulee Dam, in beautiful autumn weather. After marveling at the enormous structure and the prehistoric old Columbia River channel with its "dry falls" we crossed the river at Vantage, Washington. There we enjoyed the nearby museum with its superb display of fossils, especially ginkgo wood. Later as we passed through Ellensburg a few snowflakes were falling, but the weather still seemed balmy. As we neared the 3010 ft. Snoqualmie Pass the weather changed to a raging blizzard. The highway was under construction with alternate stretches of 2 lane and 4 lane widths, the shoulders not yet marked and without guard rails around the dangerous curves.

Traffic was almost bumper-to-bumper both ways, and it seemed that Spokane and Seattle residents were all exchanging places for the next day's Thanksgiving feast. They all wanted to make the transition "right now", even though visibility was near zero. Heavy, wet snow packed against our headlights, weakening their beam; and windshield wipers could not remove it fast enough for clear vision.

Though stopping was dangerous in such traffic Myrtle had to jump out occasionally and scrape a hole big enough for me to squint through to see the road ahead. At the crest of the pass the blinding snow was replaced by torrents of rain, down grade 50 more miles to Seattle. Later news reported 10 deaths on Snoqualmie Pass that night!

Before leaving Lincoln for this year-long trip (after 1964 retirement) we were advised by friends who knew our route; "If you run into winter weather beware of White Bird Hill in western Idaho and Snoqualmie Pass in Washington." We found out their meaning! The weather was still good when we zigzagged up White Bird, before the Snoqualmie experience, but we could see the possibilities. We were fortunate.

Submitted by J. D. Young

SHOP HINT -

Never use felt tip pen to mark good cutting materials. The ink can penetrate the stone and it is impossible to wash it off.

- via G I Nugget

You're Invited!

Hello Fellow Rockhounds

With January snows blowing it seems a trifle early to be worrying about events for late April, but, on the other hand, it seems time really flies when you're having fun, so we at Central Nebr. Rock and Mineral Society are busily planning for our annual rock and gem show. Along with the planning, we are also doing a little "hoping," we are hoping you will join us in making this a fine show. We would like to invite you to bring as many show cases as possible, the more the better! Oh, yes, anyone bringing a case will be given free admission. We will have a come and go table available for folks that are unable to stay the full length of the show.

The show dates are Fri. and Sat., April 29 and 30, 9 A.M. to 9 P.M. and Sunday, May 1, 9 A.M. to 6 P.M. Besides the exhibits, there will be 6 dealers present, we will have working demonstrations of rock polishing and jewelry making, and also some interesting slide presentations. The show is held in the Activities Building at the Adams County Fair Grounds, 927 S. Baltimore, Hastings, NE and is readily accessible from Highway #6 on the south side of town, just turn north at the International Harvester dealer. There is ample room for those with campers, 9 spaces have all hook-ups, and the rest have electricity available. Admission will remain at \$ 1.00 for adults, children under 12 admitted free if accompanied by parents.

For those clubs bringing show cases, we would appreciate it if you would let us know the number being brought. You may send information, or send any questions you may have, to Leonard Hill, 1230 N. Calif., Hastings, NE, 68901, Show Chairman, or to Roger Pittard, Rt. 1, Box 47, Geneva, NE, 68361, President.

Looking forward to seeing you at the show.

Roger Pittard

safety - - EMERGENCY PLAN OF ACTION

There are certain things you can learn to do to help you cope with any type of emergency.

1. KEEP CALM.
2. TAKE TIME TO THINK.

This may mean the difference between life and death....both for you and your family.

WARNING -- If you hear a siren of any duration, tune in your radio to (Local EMERGENCY), all other stations will go off the air. These two stations can operate for three weeks without power. You will receive instructions as to what measures you should take. KEEP A BATTERY OPERATED RADIO in good shape at all times. Keep spare batteries on hand.

- continued

SAFETY - continued

There are vital situated alert sirens in all major cities and communities. When you are warned of an emergency, get your information from the Radio or T.V. Use your telephone only to report important events such as fires, flash floods to local authorities. When you tie up the telephone you may prevent emergency calls from being completed.

EMERGENCY SUPPLIES -- You should keep on had a stock of emergency supplies sufficient to meet your families needs for a few days. If you need to evacuate, take your emergency supplies with you. Supplies needed would be: water in plastic jugs, canned or sealed package foods that require no cooking or refrigeration, medicines needed by family members, first aid kit, blankets or sleeping bags, flashlights, battery powered radio, and a covered container for an emergency toilet. Keep your automobile in good running condition and filled with gas.

- via AFMS Newsletter, March '83
Submitted by Loyal E. Gooch
AFMS Safety Program Chairman

* * * * *

HOW TO TELL A WINNER FROM A LOSER

A winner says "let's find out"; a loser says "nobody knows."

A winner goes thru a problem; a loser goes around it and never gets past it.

A winner respects those who are superior to him and tries to learn something from them; a loser resents those who are superior to him and tries to find chinks in their armor.

A winner explains; a loser explains away.

A winner feels responsible for more than his job; a loser says, "I only work here."

A winner shows he is sorry by making up for it; a loser says, "I'm sorry," but does the same thing the next time.

A winner says, "There ought to be a better way to do it," a loser says, "That's the way it has always been done here."

A winner paces himself; a loser has only two speeds : hysterical and lethargic.

- via Breccia, March '83

Campers often end up with TENTS Nerves.

Perform a death-defying Act: Exercise Regularly.

- via Tek Rock Club News

METALLIC SULFIDES

Metallic sulfides are those minerals that are chemically composed of a metal ion with a positive charge that is attached to a sulfide ion having a negative charge. The metal ion may have a 2^+ or a 3^+ charge and the sulfide ion always has a 2^- charge. The standardized formula may be MS_2 , such as in pyrite, FeS_2 or marcasite, also FeS_2 . The former has isometric crystals whereas the latter has orthorhombic crystals. Orpiment and realgar are arsenic sulfides having formulae of As_2S_3 and As_2S_3 , respectively. Orpiment is a bright yellow and realgar is a very fine red mineral. Cinnabar, a mercury sulfide, is also a brilliant red, and, like most other mercury compounds, is highly poisonous. Arsenopyrite is an iron-arsenic sulfide that is silvery in luster. Pyrrhotite is a metallic iron sulfide with a coppery color. Galena, or lead sulfide, crystallizes in the isometric system; it is the chief ore of lead, and its crystals are suitable for crystal sets. Copper sulfides include bornite, or peacock ore, and chalcopyrite. Nickel sulfide, or millerite, is a very rare mineral that looks like hair in geodes; some geologists have considered it to be of extra-terrestrial origin. Sylvanite is a silver-gold sulfide. Sphalerite, or zinc sulfide, has an adamantine luster and it can be faceted or cut into cabochons.

Some sulfide minerals are important sources of metals. Cinnabar is an ore of mercury; chalcopyrite and bornite are important copper ores; galena is the chief ore of lead; and sphalerite, the chief source of zinc. Some sylvanite is mined as a source of gold and silver.

Marcasite, pyrite, chalcopyrite, galena, sphalerite, pyrrhotite, and millerite are often found as very fine crystals and are highly demanded by mineral and crystal collectors. Some forms have very distinct crystals such as pyrite that crystallizes as the 12-sided pyritohedron or sphalerite that crystallizes as a four-sided tetrahedron.

Sulfides are important to the lapidary for these minerals usually form the plumes in the various plume agates. The plumes in west Texas agates from such areas as Woodward Ranch are usually marcasite. The plumes are usually black, although some very fine specimens may be brassy yellow. Red or orange plumes can form from orpiment and realgar, or they may be the result of oxidation of marcasite to either hematite or goethite. Cinnabar may also yield red plumes. The plume agates may undercut where the softer sulfides are encountered. They will absorb polishing compounds where undercutting has occurred, but this can be disguised by finishing the stone with a colored rouge using a muslin buff. Cosmetic rouges often will fulfill the latter function.

Mixtures of sulfide minerals may also be encountered by the lapidary in such materials as domekyite or mohawkite. such materials are easily polished by using metal polishes such as ZAM on a muslin buff.

Sulfides make attractive specimens for the mineral collector. They can make up some important ore minerals; they occur in many areas. They often form the plumes in plume agates, or they often make up a sufficient percentage of some rocks to provide fine cutting materials. The club library has some excellent references on this mineral group. Bring some for display to the April meeting. Cases will be provided.

Roger Pabian
Education Committee

THE PENNSYLVANIAN SYSTEM

The Pennsylvanian System derives its name from late Paleozoic age sedimentary rocks that crop out extensively in the State of Pennsylvania. It is one of two geologic systems that is defined on the basis of North American type areas. The other is the Mississippian System, named for outcrops in the Mississippi Valley. In Europe, the Mississippian and Pennsylvanian are simply called the Carboniferous System, the two systems not being differentiated there.

In North America, important outcrops of Pennsylvanian age are found in the Marathon Uplift of West Texas, the Llano Uplift of central Texas, and the Arbuckle Mountains in Oklahoma. This outcrop belt continues through eastern Oklahoma and eastern Kansas and western Missouri, and northward into southeastern Nebraska and southwestern Iowa. Important outcrops also occur in Illinois, Indiana, eastern Ohio, West Virginia, and Pennsylvania. Rocks of this age also crop out in Nova Scotia in Canada. In the western outcrop belt, the rocks are largely marine sediments, whereas continentally derived deposits, including large amounts of coal, are more typical of the eastern outcrops.

In the Front Range, Pennsylvanian rocks commonly contain marine sediments, but the Fountain Arkose tells geologists of the first uplifts in the Rockies. Some important outcrops of Pennsylvanian age occur in the Hartville Uplift of Wyoming and the Black Hills of South Dakota. In these two areas, the Pennsylvanian age strata contains the parent material for those gems that are known as Fairburn agates and as Prairie Agates. The Dryhead Agates of Montana also formed in Pennsylvanian age sedimentary rocks. Some Fairburn Agates have been found enclosing Pennsylvanian age fossils, such as foraminifers, corals, brachiopods, bryozoans, crinoids, and trilobites.

Correlation of Pennsylvanian age strata has been accomplished by using index fossils. Classic studies such as Condra's Coal Measure Bryozoans, Dunbar's works on fusulinids, Dunbar and Condra's work on brachiopods, and Miller, Dunbar, and Condra's studies on nautiloids have all been based on Nebraska fossils. More recent studies of Pennsylvanian fossils in Nebraska have been works by Harrell Strimple, John Burke, and myself, on crinoids; Roy Mapes and Darwin Boardman at Ohio University are currently studying ammonoids from Nebraska; John Maisey at the American Museum of Natural History in New York is working on the fossil sharks; and J. A. Fagerstrom and myself have described several fossil trilobites from Louisville and Weeping Water.

Black shales in the Pennsylvanian have been the subject of controversy between P. H. Heckel at the University of Iowa and Glen Merrill at the University of Houston. Heckel suggests that these enigmatic rocks were deposited in deep water, whereas Merrill believes that they formed in shallow water. This controversy has fostered a great deal of research in Pennsylvanian age rocks in the midcontinent of the United States. All of the research that has been generated by this great debate will provide a new understanding of late Pennsylvanian cyclothemic deposits.

Bring along some specimens of Pennsylvanian age rocks, fossils, minerals, or gems to the April meeting. Cases will be furnished.

Roger Pabian
Education Committee

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, 10607 Mary Ann, Zeeland, MI 49484. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Avenue., Des Moines, IA 50311.



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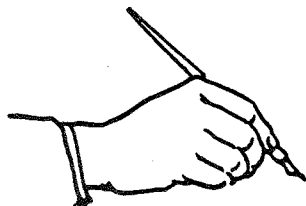
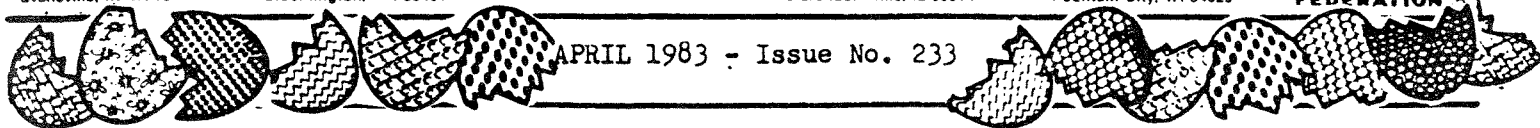
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APRIL 1983 - Issue No. 233



DIANE DARE

PRESIDENT'S

PEN ...

Swedish botanist Carolus Linnaeus was 28 when he published "Systema Naturae", a classification of living things and the start of modern taxonomy. Jean Baptiste chevalier de Lamarck, a French naturalist, was in his 70's when his seven-volume "Natural History of Invertebrates" was published. Our MWF welcomes people of all ages!!

Membership Chairperson - Mary Edwards,
306 Somonauk, Park Forest, IL 60466
Junior Activities Chairperson - Virginia
Popp, 3244 Belle Plaines, Chicago, IL
60618
Senior Activities Chairperson - Joe Mc-
Closkey, Box 527, Elm Grove, WI 53122

Our new Library Committee Chairperson is Helen Murray, 1104 Greenwood, Toledo, Ohio 43605. "Each One Teach One", a new project which will be part of an AFMS program, is being headed by Margaret Pearson, 9034 - 24 West Lisbon Ave., Milwaukee, WI 53222

The MWF Commemorative Stamp Committee will be selling cancelled commemorative stamps at the 1983 MWF Show and Convention in Kalama-zoo for the benefit of the AFMS Scholarship Fund. This is for this year's Show and Convention only. Anyone having cancelled stamps to share are asked to please send them on immediately to the Commemorative Stamp Chairperson Ruth Mogg, 19410 West Highway 120, Grayslake, IL 60030. The stamps will be packaged and sold at the show - THIS YEAR ONLY.

EARTH SCIENCE MAGAZINES....

The newly appointed MWF Library Committee is off to a good start. Through the courtesy of Mary and Earl Cornwell, former editors of the Earth Science magazine our committee has acquired 2,450 back issues of the magazine.

...next column please

These issues contain many outstanding articles on fossils and minerals written by nationally recognized authorities.

We will distribute these to clubs upon request. Please ask for all you wish as we do not have permanent storage facilities.. However, we will reserve the right to adjust distribution in accordance with the requests received. The Library Committee members and your state directors and assistants have an inventory list of what is available. Consult your new Directory for their names and addresses. Requests should be sent to Helen Murray, MWF Library Chairperson, 1104 Greenwood Ave., Toledo, Ohio 43605. (Phone (419) 693-5161.



We welcome our newest club...
WEST SHORE ROCK & MINERAL CLUB - Scottville,
Michigan.

There are fifteen adult members and they meet the third Monday of each month at the State Savings Bank of Scottville at 7:30. The first President is Mrs Marjorie Strickler, 1705 East Conrad Road, Custer, MI 49405.

MARY EDWARDS, Membership Chairperson

The new AFMS Uniform Rules and National Trophy Rules, sixth Edition is now available at \$1.50 each plus \$0.75 postage and handling. P & H charge for up to three copies to the same address is the same as one copy. Larger quantity orders will be shipped with invoice enclosed.

This new addition is a must for all competitive exhibitors. It is 16 pages larger than the 5th edition and has a lavender color cover.

Order from Clinton I. Heckert, Director of Supplies, 725 Stewart Ave., Elgin, IL 60120



new plans offer future protection

Ken Zahn of AFMS reports that a visit to the Interior Department and Congress has provided some information which should be of interest to collectors of minerals and fossils on public land. Proposed regulations were published in the Federal Register and the comment period was extended to November 17, 1982. The BLM computer revealed that slightly over 1200 comments were received from all sources, geologists, scientists, paleontologists, developers, mineral and lapidary collectors, etc. The approximately 800 letters from rockhounds and mineral collectors were much smaller than anticipated. In the AFMS we should have had at least 6000 or 10% of our membership. However, Interior was pleased to get the number they did.

The comments are being analyzed but the Government moves slowly. It is anticipated that the analysis will not be completed for 60 days, a new draft prepared taking as much as 6 months, publication of the new draft and allowances for comments, 60 days. Almost a year will elapse before the regulations on collecting of minerals will be changed.

Judging from comments the BLM will, 1) probably not be so restrictive on quotas; 2) permits may not be necessary for collectors and scientists; and 3) groups of campers and clubs will not be lumped in with commercial collectors. All in all the comments were good and constructive and those who wrote are to be commended for their interest in the future of the hobby. The BLM plans to send the draft to all those who sent suggestions.

Submitted by JOHN BOLAND, MWF Environment Chairperson & AFMS Committeeman



SPECIAL MICHIGAN ISSUE PLANNED FOR ROCKS & MINERALS MAGAZINE

The May-June issue of ROCKS & MINERALS magazine will be a special, expanded issue featuring Michigan, host state for the 1983 Midwest Federation Show and Convention.

The entire issue will be devoted to exploring the state's mineralogy, paleontology and geology. Articles will cover such topics as Michigan's mineral and fossil localities, iron district, copper country and lapidary materials, as well as the Paleontology Hall at the University of Michigan. Also included will be a compilation of collections open to visitors and a descriptive listing of geologically interesting places to go and things to see in both the Upper and Lower Peninsulas.

Individual copies can be ordered for \$4.00 by writing Rocks & Minerals, 4000 Albemarle Street, N.W., Washington, D.C. 20016. Annual subscription rates are \$16.00. Copies will also be available at the show.

As official publication of the Midwest Federation, the magazine will have a booth at the show. You are invited to stop by and say hello.

MARIE HUIZING, Managing Editor

Your 1983 Regional Show Schedule

Here are the dates and locations of the six regional shows in 1983. Note, the National Show and Convention will be held in Spokane, Washington in conjunction with the Northwest Federation Show August 4-7.

CALIFORNIA San Jose, CA June 17 thru 19	EASTERN Charleston, WV July 8 thru 10	MIDWEST Kalamazoo, MI July 14 thru 17	NORTHWEST AFMS SHOW Spokane, WA Aug 4 thru 7	ROCKY MOUNTAIN Oklahoma City, OK June 10 thru 12	SOUTH CENTRAL Dallas, TX Nov 11 thru 13
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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 - General Meeting this month
Saturday, April 23, 1983 7:30 P.M.
Nebraska Center, 33rd & Holdrege

PLEASE NOTE -
Announcements of Special Activities for Summer
in this issue and the May issue of the Pick &
Shovel!

SOUNDS LIKE A "FUN" SUMMER!!



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