

THE PICK & SHOVEL



February 1983

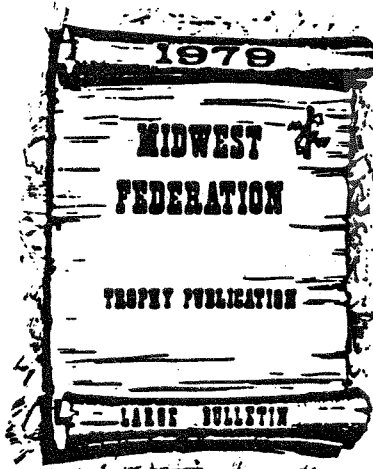
highlights

*in
this issue...*

SHOW REPORT

THE SOFT CARBONATES - IOWA

79 CARRAT DIAMOND ON DISPLAY IN
DALLAS



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
2 years - Marie Taylor,
3 years - Roger Pabian,

STANDING COMMITTEE CHAIRPEOPLE:

Programs.....	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**



February							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							

GENERAL MEETING: Saturday, February 26, 1983 7:30 P.M.
 Nebraska Center, 33rd & Holdrege
 Parking north of building
PROGRAM: "Lake Superior Agates"
 slide presentation by Roger Pabian

BOARD MEETING: March 3, 1983 7:30 P.M.
 910 New Hampshire (Taylor Home)

SHOW MEETING: Those Committee Chairpersons which the Show
 Chairman feels a need to meet will be notified
 as to date, time and place.

25th ANNUAL SHOW: Lincoln Gem & Mineral Club
 Ag Hall, Nebraska State Fairgrounds
 March 26 & 27, 1983

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FEDERATION SHOWS:

June 10 thru 12, Oklahoma City, OK
 ROCKY MOUNTAIN

June 17 thru 19, San Jose, CA
 CALIFORNIA

July 8 thru 10, Charleston, WV
 EASTERN

July 14 thru 17, Kalamazoo, MI
 MIDWEST

August 4 thru 7, Spokane, WA
 AMERICAN/NORTHWEST

November 11 thru 13, Dallas, TX
 SOUTH CENTRAL

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SAFETY TIP:

Important Warning on Portable Generators -
 Customers who own portable electric generators or a motor home
 with a generator should never connect it to their home during a
 power outage. If you do, your power could kill a lineman. Any
 alternating current can be dangerous.

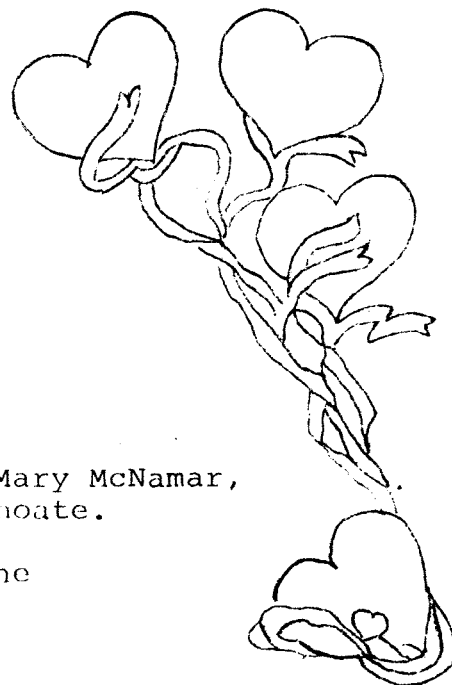
- via Breccia, Jan. '83

Greetings from the Sunshine Corner:

Sometimes, not too often, we reflect upon the good things, and our thoughts always center around those we love, and I think about those people who mean so much to me, and for so many years have made me so very happy, and I count the times I have forgotten to say "thank you," and just how much I love them.

This month a get well card was sent to Mary McNamar, and a sympathy card to the family of Sharr Choate.

Suze Sunshine



Happy Valentine's Day

JADE being the Rock of the Month for January, the slide presentation by Roger Pabian, "How to make a Jade Bowl", was most appropriate. For the couple undertaking the task, it was very time consuming, but the final product was well worth it. It was a beautiful piece. Their step by step process was explained very well. The list is endless what can be done with rocks.

Welcome, Newcomers

Ronald & Judy McColery, Scott & Corinna - Sponsor - Lymans

Lester Hunt - Sponsor - Roger Pabian

Ross & Janet Wagner, Dennis & Douglas - Sponsor - Frank Rule

Robert Wright, Reagan & Andrea - Sponsor - Janet (wife & mother)

James Null - Sponsor - Roger Pabian

* * * * *



Thank you so much for the check from the Mineral Club. I have forwarded it on to the Cancer Society. It is very thoughtful and kind of the club to do this. C. Ray always enjoyed the club so much and we, the family, really appreciate this remembrance.

Sincerely
Marion Waddle

* * * * *

THANK YOU - - to all who contributed to the Pick & Shovel this month: Helena B., Marie, Jim & Susan T., John A., J.D. Young, Evey, Roger P., Adeline N., Ewald P., Phyllis P. It made my job much easier.

Your Editor

President's Message

Our 5th Annual Mid-Winter Swap is now history. Old man winter was up to his usual tricks but he didn't get the job done! We had a great turnout for the swap which included several out of town guests from Beatrice, Grand Island, Omaha and Carter Lake, Iowa, and several interested people who read about the swap in the newspaper or heard it advertised on T.V. There was a lot of excellent material available for swapping and even more was donated for the silent auctions that we had throughout the afternoon and evening hours.

I had a good time and do hope that all the rest of you that were there also had a good time! I hope that we will be able to continue our Mid-Winter Swaps in the coming years. As a result of this year's swap we signed up many new members that we will be meeting in the next few weeks.

The 25th Annual Show is shaping up very well. Are you ready? The time for our show is drawing closer. I hope that all club members have their displays started. All club members are encouraged to exhibit and to take part in our show. I want to especially encourage the beginning collectors and cutters to display. Show visitors should be able to view the full range of the hobby, from beginning to advanced stages. Exhibits of highly advanced collections are beautiful to look at, and the exhibits of beginning collectors and cutters do much to encourage newcomers into our hobby. A new member may be more encouraged by an exhibit of a beginning collector or cutter because it is something that is not out of reach.

Beginning collectors and cutters who have questions about how to display their material should feel free to ask their fellow club members for help. We are always very eager to help one another, and look forward to those opportunities when we can.

Now that January is finally over and there is snow all over the ground, I am sure that there are several of you that are suffering from "cabin fever" as I am. Well, I have the best cure and that is to join us at the February meeting. See you there!

Jim

* * * * *

VOLUNTEERS:

Volunteers are like Ford; they have better ideas.

Volunteers are like Coke; they are the real thing.

Volunteers are like Dial Soap; they care more.

Volunteers are like VO-5 Hair Spray; the goodness holds in all kinds of weather.

Volunteers are like Hallmark Cards; they care enough to send the very best.

Volunteers are like Standard Oil; you expect more and you get it.

Volunteers are like Frosted Flakes; they're grrreeeaattt!

- via Breccia 1/83

OOOOOOOOOO
O HIGHLIGHTS O
OOOOOOOOOO

from HELENA

Talked with Pat Bury and learned she had some kind of "bug" beginning Christmas Day - - had spots on her tongue that ulcerated and were very painful. They finally cleared up and she is back at work.

Rev and Mrs. Pfeiffer were in Denver for Christmas and got snowed in at one daughter's, so didn't get over to see the other daughter.

Marie Taylor had a letter from Irl and Lois Everett, who are enjoying sunny southern Texas - Pharr, Tex. Weather wasn't good the first two weeks, but since then has been fine. On the way down they spent some time with daughter Nancy and family. They picked luscious grapefruit right in back of their trailer. The Everetts have seen Tom and Carolyn Simmons, and also ran into Vern and Mary Livingston of the Nebr. City Rock Club. The Everetts and Ollie and Wilfrid Wittman are going down to Old Mexico about the middle of February. Gosh all Hemlock! How I envy them. I spent a month in Mexico in 1950 with friends - drove way down to Guatemala where we had the good fortune to see a lovely native wedding. Oh, those gorgeous dresses of the bride and her attendants - white lace flounces and brilliant colors!

Called the Litzenbergs. Flossie is battling anemia, and tells me that Glen is a good cook and housekeeper. We hope they will be able to come to club meetings this spring.

Virginia Green is working at Vets Hospital on the midnight shift. David says he's "doin' a lot of swimmin' and stuff" at Southeast High where he is a sophomore.

Ed Ridge is a real gardner, and I had proof thereof this week when he gave me a sack of sweet potatoes he raised. They went real good with T-bone broiled steak, cranberry jelly, et al! Thanks, Ed.

Adeline and I are in Monday eve. lapidary class again at Auld Center in Antelope Park. There are 9 in our class, and they also have a Wednesday evening class.

Florence Boring and I plan to attend the Beatrice rock swap on Saturday, February 12.

We had a real good turnout at LG&MC Rock Swap and Silent Auction on Jan. 22nd. I made a few shekels, and I think the club did very well. Most who came to the auction in the afternoon stayed on for the evening meeting. After I dug out the drift in front of my driveway and was all set to get out of the garage, along came the city plough and piled up a ridge 3 ft. high right in front of the drive! A dear, sweet neighbor helped me dig out again. Mow Mr. Weatherman, no more snow, please!

Helena Baegl

Lincoln Gem & Mineral Club, Inc.
Board of Directors January 6, 1983

The Board of Directors meeting was called to order by President, Jim Taylor on Jan. 6, 1983, 7:30 P.M. at 910 New Hampshire; eight board members, Vera Lyman and guest Herschel Boring present.

Minutes of December meeting read and approved by motion of Phyllis Parks, 2nd Virginia Green. Motion carried.
Treasurer's report read by Phyllis Parks and approved as read on motion by Glenn Lyman, 2nd Claude Scott. Motion carried.

'82 bills presented: Memorial - C.R. Waddle \$25.00, U.N. Continuing Education Center (Nov. Mtg) \$90.26, Dec. Meeting (Xmas Party) \$268.98, Pick & Shovel \$ 21.91, MWF Dues \$58.00, NAOESCI dues 39.20. Motion Virginia Green 2nd Florence to approve. Motion carried.

Additional bills presented: U.N. printing P&S \$37.38, Susan Taylor (postage & cards) \$10.20. Motion Virginia Green 2nd Glenn Lyman to approve. Motion carried.

'83 bills presented: Page Trophy shop \$52.39, Past Pres. Plaque \$52.98. Motion Florence Boring 2nd Claude Scott to approve. Motion carried.

Old Business - Disposal of voting ballots from November meeting. Motion Virginia Green 2nd Frank Rule that said ballots be destroyed. Ballots given to Glenn Lyman for disposal.

Discussion of cake for Anniversary (Jan) meeting. Motion Phyllis Parks 2nd Virginia Green approval to bring in cake be sought from Mr. Hoover. Anniversary meeting, Swap and Silent Auction to be held thus. Swap Meet Jan 22 12 noon - 7 P.M. with regular meeting following at 7:30

Additional bill presented by Roger Pabian for printing of Swap Flyer \$5.75. Motion Virginia Green 2nd Florence Boring this bill be included with earlier '83 Bills.

President, Jim Taylor presented potential list of Committee members with vacancies still existing on Program, Field Trips & Safety, Calling, Outside Display, and Jr. Activities. Motion Phyllis Parks 2nd Virginia Green these committees be accepted. Motion carried.

Marie Taylor announced they plan to present a Howard Taylor Scholarship at the time of the State Show.

1983 Operating Budget presented. Motion Glenn Lyman 2nd Frank Rule budget be accepted and presented to general mtg. Motion carried. Motion Glenn Lyman 2nd Florence Boring practice of club payment of Gem Palette subscription for each family in club be continued in '83.

Roger Pabian discussed Education Program for year - present Rock of Month and Honors Night.

Motion Florence Boring 2nd Virginia Green meeting be adjourned.

Respectfully submitted, Gail Clare Scott, Secretary

SHARING -

At our Christmas Party, Lee Pivonka stated that he was going to continue his schooling at the Colorado School of Mines in Golden, Colorado. It sounds like he's a very busy man.

The following letter was received by the Taylor family and they would like to share it.

Friday 1/21/83

Dear Mrs. Taylor, Jim, Susan and Rockclub members;

How's everything in Lincoln?? Almost all the snow from the big blizzard here has melted, though it snowed a little last night and it feels like it might do something again tonight.

I just finished my second full week of classes here at C.S.M. and things are going fine. I don't actually have too much "in-class" time. A lot of my time will be spent in the library on research, etc. My classes are Applied Geophysics, Applied Geochemical Exploration, and a Seminar on Precious metals, which is mostly about present developments in Au and Ag exploration, theory and practice.

For two of the classes, I am required to give a 15 minute and a 30 minute talk accompanied by typed reports and diagrams plus an additional term project. All three topics are closely interrelated. They will include: Geochemical methods utilized in discovery of Corlin-type gold deposits of NV, an overview of disseminated gold deposits in sedimentary environments, and a review of a particular reference discussing stable isotopic data from the Corlin deposit in NV. I have my work cut out for me!!!

I like my two new roommates. One is an undergraduate in Geological Engineering and the other is working on his PHD in Geochemistry.

Last Tuesday, a friend from Boulder and I went skiing to Arapahoe Basin about 50 miles west of Golden. We had a good time on the slopes, even though it did snow all day. I don't have any classes on Tuesdays.

My house is only two blocks from campus and Clear Creek is less than a block from the house on the other side. When it warms up a little, I'd like to get out my metal detector and gold pan to check for color near my house.

That's about all for now. Everyone take it easy in Nebraska.

Lee

Thanks so much for sharing with us, Marie, Jim & Susan.

* * * * *

Wendell's Wisdom:

Failure is the path of least persistence.
Footprints in the sands of time are not made by sitting down.
Even the most beautiful fig may have a worm in it.

- Via Breccia, 1/83

SHOW REPORT

Dear Members of the Lincoln Gem & Mineral Club:

Our 1983 Lincoln Gem & Mineral Club Silver Anniversary, 25th Annual Show & State Show is fast approaching. Show dates are March 26-27, 1983, Ag Hall, State Fairgrounds, Lincoln, Nebraska.

Twelve dealers, 1 wholesaler, working demonstrations, programs, working shop, special features, best Nebraska specimen contest, and club and individual displays will highlight the show.

A real team effort has been expressed by the many club members heading committees and the many others who have volunteered their services and time to build and promote this show.

Below is a list of the committees and chairpersons. If you haven't already contacted myself or committee where you would like to help, please look over the list and jump in wherever you feel you would like to help or there is a need.

Your displays are needed and desired. In this hobby to really understand the many areas of interest, both the novice and expert alike need to view and study as much as possible. Everyone who displays not only furthers their own interests in this fascinating hobby, but also helps the rest of us achieve our goal of increased learning.

Don't forget the search for "The Best Nebraska Specimen". A Desautel law states, "A fine quality specimen remains undefined. Nobody can explain what a truly fine specimen is. You know it when you see it." Well, your best Nebraska specimen committee is going to use this method of determining a fine Nebraska specimen. Be sure to enter and good luck to all who enter. A nice trophy will be awarded the winner.

Once again, thanks to all the Lincoln Gem & Mineral Club Show team and members for your efforts so far. If we keep our efforts going, we will have a fine show.

See you at the 1983 Show.

John C. Abel, 1983 Show Chairman

1983 Show Committees

Show Chairman -	John C. Abel
Asst. Chairman -	Roger Pabian
Dealers & Working Demos -	Jim Taylor
Show Treasury -	Phyllis Parks
Publicity -	Roger Pabian
Floor Chairman -	Glenn Lyman
Programa -	Claude Scott
Silent Auction -	Bob & Mary Walker
Awards Breakfast -	Lois Everett
Refreshments -	Marjorie Heedick
Special Features -	Vera Lyman & Roger Pabian
Ribbons & Recognition -	Joyce Haney & Carolyn Rose
Tickets & Drawings -	Marie Taylor & Vera Lyman
Best Nebraska Specimen -	Roger Pabian, Jim Taylor, Glenn Lyman
Delegates Luncheon -	Jim Taylor & Vera Lyman
First Aid -	Virginia Green
Working Shop -	Frank Rule, Don Rose, Dick Haney
Display Chairman -	Roger Pabian
Courtesy Table -	John Abel
Case Crew Chairman -	Bob Walker

SHOW PREPARATION

by Lee Kndall

The hurrier I go the behinder I get
Is the story of my life, and it hasn't changed a bit!
For gee whiz! Holy smokes! Here it is our show date
And once again, oh boy! Am I late!

What will I exhibit? What shall I bring?
For I've nothing that's new, just the same old thing.
Better grab the case, the riser and lining ---
Wish I had time to scrub the rocks till they're shining.

I'll have to hunt labels, I hope I can find some.
Why'd I put off getting ready; I sure am dumb.
Where are the scissors, some thumbtacks and pins?
To get all this ready, I need to be twins!

I can't find the lights, much less the spare;
And the center piece rock is not anywhere.
I'll need my nameplate and some masking tape.
If I'd learn to say NO, I'd not be in this shape!

Paper towels and Windex are going to be needed;
"Get ready early" is good advice I've not heeded!
I'll have to get rocks for our sales table, too.
And also some door prizes, at least one or two.

The case padlock is here, but where is the key?
I wonder if anyone else is disorganized like me?
The clothes that I'll wear I still have to press.
I could develop an ulcer from last minute stress.

I must bake a cake to help feed our visitors,
And gather up tools as I'm one of the demonstrators.
I hope -- maybe next year -- if I work all year steady --
I'll have a new exhibit, and have it already!

The phone just rang, and what do you know????
I heard ME say, "I'll bring an extra display for the show."
Maybe it's reasons like this that I never get done,
But taking part in our show is just loads of fun!

- via Hells Canyon Gem Club News
3/79

* * * * *

AIN't THAT THE TRUTH!

America is the only place in the world where people jog ten miles a day and take an elevator to the mezzanine....Drive thirty minutes in the parking lot hoping to get a parking space close to the door....American technology has developed a soda can that will last five hundred years and a ten thousand dollar car that will rust out in two years....If the world is getting smaller, why do they keep raising postal rates? Prosperity is spending money we have not earned for the things we do not need to impress the people we do not like....Taxation, like a lot of other things, is based on the law of supply and demand. The Government demands and we supply.

- via The Rock Box

J. D. YOUNG

During the 28 years of the Lincoln Gem & Mineral Club's history, many members have written articles for the Pick & Shovel. But it can be said that no one has submitted as many as J. D. Young. I considered it a timely tribute to submit the Titles and issues of the articles he had submitted. All the articles are original, (with few exceptions) and his sources of information are given proper credit in each article.

Some of you may have saved all your issues of the Pick & Shovel. If not, and you find an article which interests you, the Club Library will have a copy you may use.

Our special thanks to Mr. Young for his faithfulness in contributing to our Bulletin and in submitting this list.

Date	Pages	Title of Article *
Feb. 1969	10	SALUTE TO THE POET LAUREATE
Nov. 1969	3	THE FARMER'S THANKSGIVING
Nov. 1972	14	NEIHARDT - The Creative Flame
Sep. 1973	11, 12, 13	THE HUGH GLASS STORY
Feb. 1974	13	THE POET'S TOWN
June 1974	14	One of John Neihardt's Hobbies Was Lapidary
Oct. 1974	7, 8	LONESOME FLATLANDS REVISITED
Sep. 1975	8	CYCAD - GHOST OF ANCIENT FOREST
Oct. 1975	9, 10	CYCAD - POET-PRAYER GARDEN
Jan. 1976	7	THE 200th BIRTHDAY OF THE U.S.A.
Feb. 1976	11, 12	Concerning Leap Years and Calendars
Mar. 1976	11, 12	BRAINY BIRDS-PANICKED POODLES-CHAMPION CHARTER
Apr. 1976	5, 6	EASTER; NEIHARDT CULTURAL CENTER
" "	13, 14	Do-it-yourself Easter Date - Cripple Creek Mystery
May 1976	7, 8	THE POET'S TOWN - THE CALF PATH
" "	11, 12	progress-Progress-PROGRESS; OVER THE SHOULDER
Sep. 1976	11, 12	Dinosaurs - The long Hot Summer
Oct. 1976	9	SCHOOL - September gone, One down and eight more to go.
Nov. 1976	11, 12	Thanksgiving Day - Pilgrim's Pet Rock
Dec. 1976	9, 10	Children's Poems - A Child's Prayer
Jan. 1977	9, 10	THREE DAYS OF FURY
Feb. 1977	9, 10	FEBRUARY CONGLOMERATE (no pudding stone)
Mar. 1977	11, 12	ART-ARTIST, ARTISON-ARTIFICER
Apr. 1977	13, 14	GYPSIES---BLESSINGS---BAD LANDS
May 1977	7	THE SPIRIT OF ST. LOUIS FLIES AGAIN
" "	8	THE NEIHARDT CULTURAL CENTER
Sep. 1977	9, 10	Neihardt Day - Bancroft, Nebraska
" "	13, 14	Ghosts of the Ancient Forest
Oct. 1977	11, 12	I REMEMBER WHEN --- and What.
Nov. 1977	13, 14, 15	QUARTZITE-CATLINITE-SATELLITE-dolls
Dec. 1977	9, 10	AMTRAK - DENVER or BUST

- continued

J. D. YOUNG - continued

Date	Pages	Title of Article *
Jan. 1978	11	MEMORIES OF GEORGE
Feb. 1978	13,14	SUNDOGS -- Rockhounds, beware!
Mar. 1978	15,16,17	THE NUGGET SHINES AGAIN
Apr. 1978	11,12	COREOLIS FORCE - The Spinner
May 1978	13,14	HAVE RAFT - WILL TRAVEL
Sep. 1978	11,12,13	WHITE WATER-WHITE CHALK-GREEN PRAIRIE
Oct. 1978	9,10	NEIHARDT DAY - August 6, 1978, Bancroft, NEB.
Nov. 1978	9,10	THE BUTCHER, THE BAKER, THE CANDLESTICK MAKER
Dec. 1978	7,8	WATER - The Great Substance-A Mineral
Jan. 1979	9,10	TIME and things
Feb. 1979	13,14	SOLAR ECLIPSE Feb. 26, 1979
Mar. 1979	7,8	EASTER SUNDAY, March 23, 1913
Apr. 1979	7	FORCE-ENERGY-WORK-POWER-PRESSURE
May 1979	7,8	THE ENERGY CRISIS
Sep. 1979	13,14	NEIHARDT DAY, BANCROFT, NEBRASKA, Aug. 5, 1979
Nov. 1979	7,8,9	DAKOTA and MINNESOTA JOURNEYS
Dec. 1979	7,8	LGMC 25th BIRTHDAY - JANUARY 15, 1980
Jan. 1980	9,10	HAPPY NEW YEAR-(yes, but what kind?)
Feb. 1980	13,14,15	GOLD (Aurum Au)
Mar. 1980	11,12	WEATHER and CLIMATE
Apr. 1980	15,16	PLATE TECTONICS and RIFT VALLEYS
May 1980	11,12	CAMELS - Fossil and Recent
June 1980	15,16	NEBRASKA'S CAPITOL - Lincoln the Capitol
Sep. 1980	6	MOUNTAIN MEN'S RENDEZVOUS
Oct. 1980	11,12	L.G.M.C.'s Aviatrix, Writer, Educator
Nov. 1980	13,14,15	SHORT TRIPS - Long Memories
Dec. 1980	7,8	NEIHARDT CENTENNIAL - January 8, 1981
Jan. 1981	7,8,9	MOTHER EARTH'S ROCK FAMILY
Feb. 1981	11,12	FEBRUARY CONGLOMERATE
Mar. 1981	9,10	THE OWEN MAGNETIC CAR
Apr. 1981	13,14	WATER - Nebraska's Great Resource
May 1981	7,8	THE SPACE SHUTTLE - and such
Sep. 1981	10,11,12	MURDO'S DIAMOND JUBILEE
Oct. 1981	12,13	FIRE - Friend and Foe
Nov. 1981	8,9	BERTRAND - - the Lost Steamboat, April 1, 1865
Dec. 1981	6,7	ALLOONISTS - To Cosmonauts
Jan. 1982	6,7	SNAKES - and other Varmints
Feb. 1982	7,8	FLOODS and MUD SLIDES
Mar. 1982	7,8	HOW OLD IS IT -- Carbon-14 knows
Apr. 1982	8,9	MATEO TEPEE - The Devil's Tower
May 1982	8,9	HAVE URGE? - Then Travel!
Sep. 1982	8,9	NEIHARDT DAY - Sunday, August 1, 1982
Nov. 1982	6,7,8	KORCZAK ZIOLKOWSKI - Mountain Carver
Dec. 1982	8,9	THE INDISPENSABLE JIM BRIDGER
Jan. 1983	7,8,9	CAVES and CAVERNS

- Submitted by J.D. Young

* The titles are printed exactly as they appeared in each issue.

Jan. 29th

HI L.G.&M.C.

We thought we had better check in with you so you won't think we have forgotten. Lois and I left Lincoln Dec. 26th and headed to Okla. We just missed all the snow and ice but got to Ivan Pain-ton's place in Okla. the 27th. We stayed with them for about 3 days and then went to our daughter's place in Stephenville, Texas. We had our 3rd Christmas as we took their presents and things to them. Well, we were there for 10 days and then we went on down to Fredricksburg, Tex. where we were going to spend the winter... Well we were there 3 days and then after checking the mileage we found out it was cheaper to go to Pharr, Tex. and just stay where we had a gem show to do. I had planned on staying in Fredricksburg. Well, before we left Lincoln we had planned to spend the time with Larry Wightman and his wife. I am sure some remember him as he was in our club some time back. When Lois and I decided to come on down to Pharr, we just found us a place to park our trailer for a month and we have been sightseeing.

We did the show in Pharr and saw Tom Simons and the Wittman's. In fact we have been going with Ollie and Witt about every day somewhere. One day we went to Old Mexico (Reinosa & Matamoros) and found out that was so much fun we are going again. We've been to the bird sanctuary, old missions - - and today we went over to Mission, Tex. for the Citrus Festival which is like a small Rose Parade. Everything is supposed to be made out of citrus fruit, leaves or whatever. I have to say, it was "HOT" watching. In fact, it was over 75 degrees.

Oh Yes, I forgot to mention where Lois and I are staying, they have a big grapefruit grove and we go out every morning and pick our own for breakfast. And are they good! I guess I'll close for now but we have to do one more show while we are down here at Harlingen and then we slowly head back home. We will be home for the L.G.&M.C. Show where we will all see you. Ask Tom, Wilfrid and Ollie about their Rock Trip.

ROCKSPECTFULLY

EVEY

P.S. WOW, what a mess on this letter - - It seems like I drewed the short straw and was selected to write back. 'Ev"

THE SOFT CARBONATES

The soft carbonates includes such gem materials as rhodochrosite, malachite, smithsonite, and dolomite. Limestone and some calcified fossils such as corals (often called Petoskey Stone) are also included with the soft carbonates. Travertine and onyx, usually used as decorative rock, are often cut by lapidarists. All have the carbonate (CO_3)⁻² ion in their chemical formula.

Malachite is characterized by its rich green color, its botryoidal structure that produces eyes, bands, and swirls, and feathery plumes. The chief problem with malachite is that it is an extremely dirty stone to cut, and it forms a black sludge in sawing, grinding, and early polishing steps. By sawing the malachite just before cleaning the saw, one problem is taken care of. The sludge remains in the brown sack when it is filtered. A well flushed grinding operation will solve the second sludge problem. Sharp, new silicon carbide sandpaper or diamond belts are best for sanding. If polished with tin oxide, an acid medium such as vinegar or a few oxalic acid crystals dissolved in water are needed. Much effort can be saved by polishing malachite with yellow rouge on a muslin buff. The buff will turn black and it should be used on malachite only, as it can stain light colored materials such as rhodochrosite. Most malachite comes from Zaire, in Africa.

The finest rhodochrosite is a light raspberry color, the rhodo- prefix meaning raspberry in Greek. Rhodochrosite, too, occurs in botryoidal form and has many of the same structures as malachite. Chile and Argentina have historically been important sources for this gem. Rhodochrosite stains all too easily so it should be sawed with fresh, clean oil. Sanding and polishing operations are much like those for malachite, but a clean buff should be used with yellow rouge. Smithsonite handles much like rhodochrosite.

Dolomite should also be sawed in fairly clean oil, but it does not have the tendency to stain nearly as much as rhodochrosite, and my experience shows that it polishes best with tin oxide on soft pads such as poli-pads.

Limestone, including Petoskey Stone, is easily polished with the two-step plastic polishes such as Dico emery and buffing compounds on muslin buffs. Two buffs are required---do not follow the emery with the buffing compound on the same buff, and wash the stones between the emery and the buffing.

Onyx can be handled much like limestone or rhodochrosite. Sometimes, onyx is dyed pink to resemble the latter. Onyx has a lower specific gravity than malachite and can be told by heft except on very small pieces. The dye only penetrates the spaces between crystals of the onyx and this can be seen by magnification.

Details on other physical and chemical properties of soft carbonates abound in the literature in the club's library. You can even find out about a few that I didn't mention. The soft carbonates offer some additional ways to expand ones lapidary horizons.

Be sure to bring examples to display. Cases will be furnished.

Roger Pabian
Education Committee

IOWA

Our neighbor to the east offers numerous opportunities to the collector. A brief glance of a geological map shows that rocks representing almost the entire Paleozoic are exposed within the state. Jurassic and Cretaceous rocks are there too, and all of these rocks are buried under thick sections of Pleistocene age glacial till and wind-blown loess.

Although most of Iowa's Paleozoic rocks contain fossils, the state has gained a great deal of fame for the fine examples of crinoids that were found near Le Grand, in the Mississippian age Hampton Formation. These crinoids were first found in the middle 1800's and were described by such notable workers as Wachsmuth and Springer. In the 1930's, B. H. Beane of Le Grand actively worked the crinoid deposits, and throughout the years, his efforts have placed specimens of Le Grand crinoids in practically every museum in the world. About 1930, Lowell Laudon began to collect crinoids from the area near Gilmore City; these were in the Mississippian age Gilmore City Formation. Harrell Strimple and I described several new species of crinoids from the Late Pennsylvanian age Coal Creek Limestone near Thurman in the southwestern corner of the state.

Most rock collectors are familiar with the Mississippian Pella Beds that are exposed in the area around Pella and Oskaloosa. The shale seams in the rock quarries offer some fine fossils including blastoids, crinoids, trilobites, brachiopods, and corals. There are some strip coal mines in the same area. Large septarian nodules containing calcite, barite, and other minerals were recovered from these mines.

The Mississippian strata of Iowa also may contain some very choice geodes, which are hollow spherical structures lined with crystals. These are found in the area extending southward and eastward from about Keokuk and into Missouri and Illinois.

Additional mineral occurrences in Iowa include the famous Pint's Quarry near Waterloo. Here, calcite, dolomite, fluorite, and various sulfide minerals have been found. During the 1960's, it was not uncommon to see a dozen or more cases of Pint's Quarry minerals at a single show. Millerite, one of the rarest minerals known has been found in the Devonian Cedar Valley strata near Iowa City. Some mineralogists have expressed the idea that millerite is of extra-terrestrial origin.

Glacial deposits that cover most of Iowa and alluvial deposits in recent streams as well in ancient stream terraces often contain Lake Superior agates. These gems formed in the late Precambrian volcanic rocks in Minnesota and Ontario, and were transported into Iowa by glaciers or streams. Although the gravel pits near Muscatine and Fort Madison are the best known collecting areas for Lake Superior agates, these gems have been found throughout most of Iowa. Gravel bars in the Big and Little Sioux rivers near Sioux City have paid out some very fine Lake Superior agates. The Nishnabotna and Nodaway rivers in southwestern Iowa have yielded some very fine Lakers and in the middle 1930's, Bill Mack of Clarinda supplied many choice large specimens to museums throughout the world.

Iowa has a long tradition of rock collecting that continues through many active clubs in the Midwest Federation. Be sure to display Iowa materials at the February meeting. Cases will be furnished.

Roger Pabian
Education Committee

Vol. 47 #2 CMS Mineral Minutes February 1983

MC NAMAR ORIGINALS - De Moines, Iowa - Mary Disney

Mary Mc Namar of Mc Namar Originals, a dealer in our Westland Show and a very good personal friend was the victim of a hit and run accident three weeks ago. She was on her way to the Villa Show. Her van rolled several times. After several tries she was able to reach her CB and call for help.

At first she thought her right arm had been severed at the shoulder but noticed her fingers were moving so she followed her blouse sleeve up and found the arm was badly broken. She had a bad gash in her head and was bleeding profusely, however while she was waiting for help she noticed an aragonite crystal on the floor and had it in her hand checking for damage when the police came. As the surgeon was preparing to stitch her scalp she asked him if he had a microscopic lense because she thought he had better check for aragonite crystals. He had her describe them and removed four from the wound. Mary called Peggy Patterson, Clear Lake Texas Club to explain why she could not make the show --Now are you ready for the punch line?-- Peggy said, "That's the hard way to get rocks in your head!!"

Mary has had three operations on her arm but she is mending well and will be back on the "Show Dealers Circuit" soon and ready to meet her contracts.

Her address for one more week is--Storemont Vail Hospital, Mary Mc Namar, Room 633, 1500 SW 10th, Topeka, KS 66606

- Submitted by Adeline Nolde

* * * * *

CONCORDIA WILL RECEIVE VALUABLE ROCK COLLECTION

People spend lifetimes putting together valuable collections. For some it's stamps, for others it may be dolls- for Mr. and Mrs. Walter Bartels, a good part of their lives has been spent collecting rocks and valuable stones which are representative of the greatness and the beauty of God's creation.

Walter and Ella have become very knowledgeable about rock formations and can discuss at length on the nature of the fragile crystal or the polished beauty of their extensive agate collection. It takes only a few minutes to determine that the collection has truly been a labor of love and the careful structuring of each display together with the faultless beauty of each specimen has a little piece of Walter and Ella in each of them.

When the museum is formally opened the displays will include one of Brazilian agate, one of Tri-State minerals, one of fluorites, one of petrified wood, a crystal display, one of Mexican agate, one of Lake Superior agate, and a variety display of geodes and other specimens.

- via Broadcaster
- submitted by Ewald Paul

79 CARAT DIAMOND ON DISPLAY IN DALLAS, TEXAS * * *

DALLAS (UPI) - With a shotgun-armed policeman standing alongside, the world's largest radiant-cut fancy yellow diamond was exhibited Monday for the first time.

Jean-Raymond Boule, president of European Diamond Importers & Cutters Inc., said the flawless 79.12 carat stone was up for sale for a price of \$2.75 million. Boule's company and an unnamed partner own the gem, which was cut from a rough diamond of 303 carats discovered in a mine in South Africa.

Boule would not be specific about when the discovery was made, saying only that it was "a long time ago."

The deep yellow coloring makes the huge stone "one of the rarest in the world", Boule said. It likely is the largest diamond ever offered for sale in Texas.

For the purposes of comparison, the famous Hope Diamond, now in the Smithsonian Institution, is 45.52 carats and the well known diamond given to Elizabeth Taylor by Richard Burton was 69.42 carats.

Boule said diamond experts of the Smithsonian have indicated a desire to have the stone to exhibit near the famed Hope Diamond.

"It would attract as much attention by virtue of its beauty as the Hope now draws through its fame," John Sampson White, associate curator at the Smithsonian, said in a statement released by Boule's company.

Boule said, when the stone is bought it probably will be named after the owner and then donated to the Smithsonian with the donor getting credit for a tax write-off for the retail value of the stone. The diamond recently has been appraised at \$4.5 million, he said. However, the diamond is for sale to anyone who has the money and wants it for any reason, Boule said.

Security was tight in the area near the presidential suite of the Plaza of the Americas Hotel, where the glittering yellow diamond was shown to news people and other guests. Plainclothes security people mingled with the viewers and armed policemen were conspicuous. People entering the wing of the hotel where the diamond was shown had to sign in at a checkpoint and were escorted to the presidential suite.

The Houston Post - 12/14/82
- via AFMS Newsletter - Jan. '83

RESOLUTIONS: *

- I RESOLVE:
- To attend meetings regularly.
 - To display frequently.
 - To keep hands off the displays of others.
 - To make all guests welcome.
 - To give respectful attention to each speaker.
 - To assist new members and officers.
 - To return books at the end of one month.
 - To go on more field trips.
 - To take an active part in our annual show.
 - To pay dues promptly.
 - To be an all-around member of the society.

from many bulletins -

- via AFMS Newsletter - Jan. '83

*more next month

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 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Avenue, Des Moines, IA 50311.



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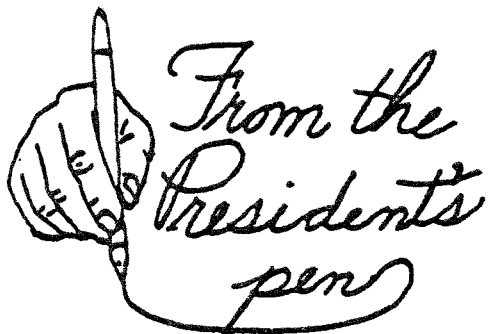
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MID WEST
FEDERATION

FEBRUARY 1983 - Issue No. 231



In his 1867 publication "A Journey in Brazil", naturalist JEAN LOUIS RODOLPHE AGASSIZ noted "Let us be careful that every specimen has a label, recording locality and date, so secured that it shall reach Cambridge safely." Careful record-keeping is a vital part of our hobby and within the MWF.

Credentials Chairman - RUTH MOGG, 19410 West Highway 120, Grayslake, IL 60030

Historian and Archives - LARRY OSTERBERGER, 71 Fernwood Dr., Bolingbrook, IL 60439

Uniform Rules - PAUL CLIFFORD, Cleveland Museum of Nat. History, Cleveland, OH 44106

Shows & Conventions - JIM TAYLOR, 910 Hampshire St., Lincoln, NE 68508

Protocol - JACQUE NAWOJSKI, 22757 Redwood Dr., Richton Park, IL 60471

DIANE DARE, President

HAS YOUR CLUB FILLED OUT ALL AMERICAN AWARDS FORM?

awards, etc. you come up with a nice neat stack of papers; something to be proud of.

The next thing follows quite naturally to submit this neat pile as an entrant in the All American Club Award and the Midwest Club Award sponsored by your Federation. It is easy to fill out the blank and return it.

After serving with Committees on Merit Awards the last two years, I want you to know why I think you should submit an entry. Although, entries here in the Midwest are numerous it would appear that clubs find merit in evaluating their year. It gives them an insight into their aims and functions and perhaps ways of modifying them for something better. Change is inevitable, and the alternative is not acceptable so its best to know why we change and how we changed. The accumulated records of the year's events are important and if at the same time the experiences of a club are circulated to members of the Feceration they get to know what other clubs are doing. There is a trickle down of fine experiences.

How does your committee handle your entry?

Each entry received is read by each member of the committee. This is not the easiest to achieve since from here we must send it to our committee members in Flint (MI), St. Louis (MO), and Peru (IN). Each readily scores your entry. Scores are averaged and as objectively as possible we try to evaluate the entries.

The deadline for sending your entry is March 1, 1983. You'll have a chance to get it done before you have to work on tax papers.

BENJAMIN MOULTON, Chairman Merit Awards Committee

SAFETY & FIELD TRIP REPORT

In just a few months we will be having another Midwest Federation Convention and the clubs interested in safety will once more be fortunate to receive the beautiful MWF Safety Commendation Certificate.

It will not be as easy to obtain one of these henceforth, as the 'powers that be' were interested in promoting safety on the highest level.

Therefore, as soon as possible, it is requested that those clubs which have had shows in 1982, or any other activities to which the public has been invited, should apply for the Safety Questionnaire. Your answers on this Questionnaire will determine your eligibility to the Certificate. Please send your request for the Questionnaire to the MWF Safety & Field Trip Chairman, MRS. HELEN R. NEUMANN, 20955 Balfour, Mt. Clemens, Michigan 48043

WHERE TO SEE FOSSIL BONES

Visitors have easy access to four sites at which they can study the early animals. The Dinosaur National Monument near Vernal, Utah, offers an exceptional display of dinosaur-fossil bones still imbedded in rock. Big Bone Lick State Park, Kentucky, not far from Cincinnati, is the site of the first excavation of ancient animals in this country. The Rancho La Brea Tar Pits, in the center of Los Angeles, are world-famous as a vast mausoleum encasing the skeletons of thousands of animals now vanished. And Agate Fossil Beds National Monument, in western Nebraska, contains skeletons of many such animals.

Four great museums display mounted skeletons of the mammoth, mastodon, sloth and other extinct mammals: in New York City, the American Museum of Natural History; in Washington, the Smithsonian Institution; in Lincoln, the University of Nebraska State Museum; and in Denver, the Museum of Natural History.

....via Readers Digest

DID YOU KNOW????? FACTS ABOUT THE MWF

The Archeology Committee provides information and sources of information for members on anything pertaining to the field of archeology. He reports new and unusual archeological finds to members and promotes intelligent interest in archeology.

There is a liaison between the Federation and committees for Federation shows. He sees that locations and dates for shows are set up without major conflicts, provides information and help to host clubs and obtains a report on each show and keeps a file of these reports. This liaison is the Convention and Show Advisory Committee.

Each year there are two Directories sent to every club. A lot of hard work, sweat and tears go into the work of this Directory. The Directory Chairman collects the information to be included in this publication, prepares copy, and a layout dummy, and mails this to the designated printer to be printed and distributed as soon as possible after the beginning of a Federation year.

The purpose of the Federation is to promote interest and education in geology, mineralogy, paleontology, archaeology and lapidary, and to sponsor and provide means of coordinating the work and efforts of groups interested in these fields.

THERE ARE TWO TIMES TO KEEP YOUR MOUTH SHUT: WHEN YOU ARE SWIMMING, AND WHEN YOU ARE ANGRY

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LINCOLN



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Saturday, March 26—9:00 am to 9:00 pm

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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, February 26, 1983 7:30 P.M.
Nebraska Center, 33rd & Holdrege

REMEMBER - You should be preparing for our 25th Annual Show!
It is only 6 weeks away!

HAVE YOU VOLUNTEERED TO HELP ANY OF THE COMMITTEE
CHAIRPERSONS?

YOUR HELP IS NEEDED AND APPRECIATED!



h.e.l.p.

HELP ELIMINATE LITTER PLEASE!

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