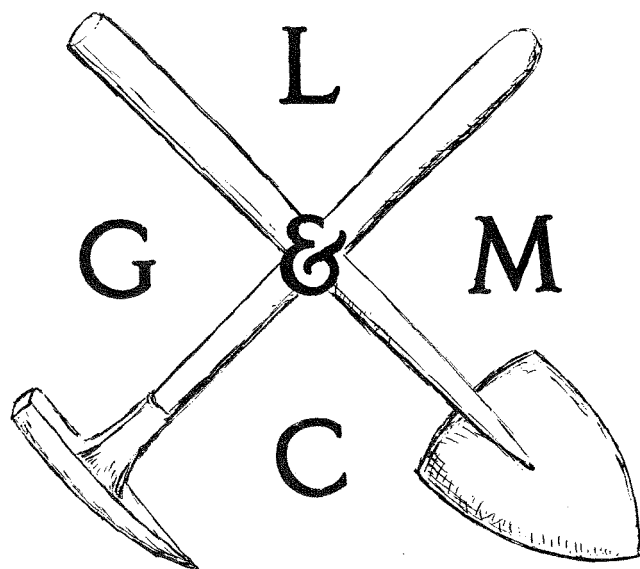


THE PICK & SHOVEL



OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA

Volume 17

Issue 7

February 1977

LINCOLN GEM AND MINERAL CLUB, INC.
P. O. Box 5342, Lincoln, Ne. 68505

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: Midwest Federation of Mineralogical and Geological Societies (MWF)
American Federation of Mineralogical Societies (AFMS)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Community Arts Council of Lincoln (CAC)
Nebraska Recreation League (NRL)

Regular Meetings: 4th Saturday of the month, September thru May, 7:30 P. M..
1977 - IOOF Hall, 1101 No. 56th St., Lower Level

1977 ELECTED OFFICERS:

President.....	John Harrison, Jr.	330 Locust	Hickman, 68372	792-2337
1st Vice Pres...	Howard Taylor	910 New Hampshire	Lincoln, 68508	432-3707
2nd Vice Pres...	Jim Marburger	1910 S. 26th St. Apt. B	Lincoln, 68502	432-0214
Recording Secy..	Nelda Oliver	5700 Otoe St.	Lincoln, 68506	489-5222
Treasurer.....	Joella Olson	4831 S. Haven Drive	Lincoln, 68516	489-5380
Board Member....	Evelyn Ulrich	3521 S. 48th St.	Lincoln, 68506	488-9051
Board Member....	Norma Miller	931 Cottenwood Drive	Lincoln, 68510	489-8840
Board Member....	Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032
Board Member....	Ray Lambert	1201 N. 79th St.	Lincoln, 68505	464-8552

STANDING COMMITTEE CHAIRMEN:

Program	Jim Marburger	Liaison	Phyllis Parks & Marita Bigley
Hospitality	Virginia Green	Refreshments	Bob & Sylvia Daniels
Historian	Lois Everett	Education	Robert & Leona Daul
Librarian	Larry & Marita Bigley	Scholarship	Howard Taylor
Membership	Marita Bigley	House and	Florence Boring
Field Trips & Safety	Larry Bigley	Property	Frank Rule & Larry Bigley
Calling Committee	Nelda Oliver	Publications	Art Howlett
Vaya Con Dios	Marie J. Carveth		
NAOESCI Reporter	Evelyn Ulrich		

LONG RANGE PLANNING AND BY-LAWS COMMITTEE:

Roger Pabian	-1 Year Remaining	Frank Rule	-2 Years Remaining
Howard Taylor	-1 Year Remaining	Phyllis Parks	-2 Years Remaining
	Larry Bigley		-3 Years Remaining
	Don Carter		-3 Years Remaining

1977 Show Chairman Roger K. Pabian, 300 Sycamore, Lincoln, Ne. 68510 489-3081
1978 Show Chairman Don Carter, 1101 Driftwood Dr., Lincoln, Ne. 68510 489-3442

PICK & SHOVEL STAFF:

Chairman -Art Howlett
Editor -Evelyn Ulrich, 3521 S. 48th St., Lincoln, Ne. 68506, Phone 488-9051
Typist -Flossie Litzenberg
Artwork Stenciling -Jim Parks
Publisher -Phyllis Parks
Reporters -Club Members

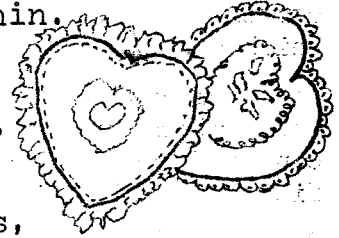
Contributions from members are welcome and needed Deadline for material is the first of the month to be printed. Please send copy to Editor.

Subscriptions to the Pick & Shovel are \$3.00 per year - mailed.

Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate presently set at \$10.50 per full page per insertion, with approximately 10 inches by 7 inches of copy. 1/2 page is \$5.25, 1/3 page is \$3.50 and the minimum size ad is 1/4 page at \$2.75 per insertion.

Articles published in THE PICK & SHOVEL may be reprinted if credit is given the author and the bulletin, and a copy of the publication is sent to the Editor.

The February sunshine steeps your boughs,
And tints the buds and swells the leaves within.
William Cullen Bryant



Regular Meeting... Saturday Feb. 26, 1977, 7:30 P.M.
IOOF Hall, 1101 North 56th St.

Program..... Films on Lapidary, Demomstrations,
Questions and Answers, Displays..
See details on another page.

Refreshments..... Members are asked to bring cherry pies
for refreshments.

LGMC Board of Directors' Meeting.. Thursday, March 3, 1977,
7:30 P.M. Home of Nelda Oliver, 5700 Otoe St..

Please make this correction in your Who's Who:
Daniels, Bob (Sylvia), 2941 No. 42nd St. 68504, Tel. 467-4051

1977 Dates to Remember

- Mar. 11-13 Kansas City, Mo. Earth Science Clubs of Greater Kansas City, Inc. Kansas City Trade Mart, 250 Richard Road.
- Mar. 25-27 St. Louis Co., Mo.. Rock Hobby Club Show, Machinists Union Aud. St. Charles Rd. Bridgton
- Mar. 26-27 Lincoln, Ne. Lincoln Gem & Min. Show Nebraska State Fairgrounds
- April 15-17 Hastings, Ne. Central Ne. Rock & Min. Society Show.
- June 10-12 Hebron, Ne. NAOESCI Swap.
- June 17-19 Beatrice, Ne. Homestead Gem & Mineral Club Swap.
- Aug. 20-21 Crawford, Ne. Northwest Nebraska Rock Club Show.
- Sept. 2-4 St. Louis Co., Mo. McDonnell-Douglas Gem & Min. Soc. Show, Greensfelder Recreation Center, Queeny County Park.
- Sept. 3-5 Omaha, Ne. Ne. Min. & Gem Club Show.
- Sept. 9-11 Kearney, Ne. Fort Kearney Rock Club, State Show, Holiday Inn, 301 1/2 2nd Ave.
- Sept. 16-18 Kimball, Ne. Plains Rock & Mineral Club Show.
- Oct. 15-16 Grand Island, Ne. Grand Island Earth Science Society Show.

Regional Shows:

- July 20-23 Dayton, Ohio MWF Show and Convention.
- Aug. 18-21 Ogden, Utah AFMS Show.

NOTICE - There will be no regular meeting in March as that is our SHOW weekend.

L A S T M O N T H We had a turnout of 69 members and 4 visitors in spite of snow and slippery conditions. Roger Pabian volunteered and was appointed as our representative to The Community Arts Council. - Alternate needed - Nelda Oliver was appointed as our representative to the Nebraska Recreation League and asks that any members who are interested please contact her so she can notify you of IRL meetings which are open to all affiliate members. Your support is needed.

New application blanks were given to all those in attendance - they will be used for new members but it is hoped that all current members will fill out the forms so they can be recorded in a permanent file for easy reference in case of special meetings, field trips, special interest activities, etc.

Roger Pabian gave a show report indicating that many plans are being finalized but that all members are urged to contact the committee for a spot to work at the show and are urged to have your cases ready for display.

Howard Taylor reported that the interest on our Certificates of Deposit, which is to be used for local scholarship, amounts to over \$200.00 and motioned that enough be added to it to make the scholarship for this year \$250.00. Contacts have been made and a deserving student is being searched for.

Jim Harburger, Chairman Nebraska Gem & Mineral Map Committee, asked for up to 13 x18 cabs, faceted stones, or free forms and for less than 1" size minerals, only of Nebraska materials with as close a location of find as possible designated. This is to be a companion project with our Gems on Location.

Lois Everett, Historian, wished each and every club member "A Happy Birthday" as the club celebrates its 22nd anniversary of activity.

A Midwest Federation slide program explaining the steps in silversmithing and showing many lovely finished items was presented by Howard Taylor, after which we had the pleasure of observing any one of three silversmiths from our club who brought their equipment and answered our questions. Our thanks to Duane Butler, Don Carter and Herman Spomer. We really enjoyed having this opportunity during our refreshment hour - and we really enjoyed the delicious birthday cake and coffee and the lovely table decorations prepared by our refreshment committee, Mr. & Mrs. Daniels and Mr. & Mrs. Daul. submitted by Phyllis Parks, reporter.



* * * * *

FEBRUARY 1967 -

The Club was favored by a slide and narrative program given by Rev. and Mrs. Richard Heims. Subject was "Aaron's Breastplate". The Biblical account is found in Exodus 28.

from the notebook of LCMC Historian, Lois Everett

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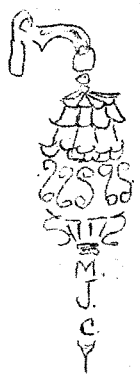
VAYA CON DIOS - May God be with you.

Cards were sent this month to -

Mr. Floyd Fellows - Get Well

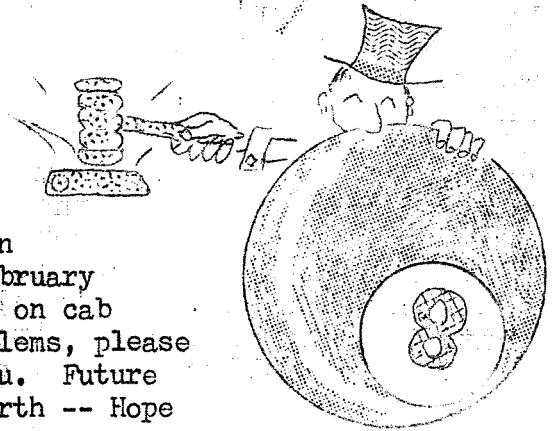
Mrs. Dorothy Engelhart - Get Well

Mr. Maurice Tracy - Get Well



From the President's Desk

Well here we are closing on another show. Plans have been made and are falling into place. There will be many features and displays and we need yours! There is enough time for preparation and we hope questions will be answered at the February meeting. Again our program will be educational, on cab cutting and preparation. If you are having problems, please bring along a sample and we shall try to help you. Future programs include map reading, fossils, and so forth -- Hope that you will enjoy them.



The March meeting will be canceled because of it coming on show date.

Field Trip Chairperson, Larry Bigley, is planning to have some weekend trips in the near future. If you have an area that could be suitable, please contact Larry and give him details.

The Long Range Planning Committee has brought forth some proposed by-laws changes and we shall have more news later on this, probably at the April Meeting. If you have any changes that you would like to see proposed, please write them out and give them to me at the general or board meeting.

All for now.

John Harrison, President

Handwritten note in a box: "HE C/P!"

IS NEEDED FOR SETTING UP ON FRIDAY MARCH 25.

ANYONE WHO IS WILLING AND ABLE TO SET UP

TABLES DURING THE DAY PLEASE CONTACT THE

FLOOR CHAIRPERSON.

John Harrison 792-2337

OTHER COMMITTEES NEED SOME HELP, AGAIN IF YOU

ARE ABLE AND WILLING - CONTACT ROGER PABIAN

From the Editor's Desk...Show time is drawing very near. Let's make this one of the best Shows ever. If we have a good Show, we must all work hard to make it so. We often feel that what we have collected isn't worth displaying. We must remember that many of the people who attend the Show are interested in rocks as they appear in the field. From viewing such specimen with a label telling what they are, they can learn to identify their findings. Then they can see cabochons and jewelry made by our fine lapidaries, and this will increase their desire to do something with their collections. Let's all get involved. The Club needs the contributions of each of its members of time, work and displays to give the Public a truly great show.

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TIME

Time was is past - thou canst it not recall.
Time is thou hast - employ thy portion small.
Time future is not, and may never be.
Time present is the only time for thee!

- Inscription on an old sun dial

Via The Geode

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STATE SWAP

The Fort Butler Rock and Gem Club of Hebron, Ne. is happy to be sponsoring the NAOESCI State Swap June 11-12. Much time and planning will be put into our efforts to make this a very worthwhile and enjoyable swap for our friends about the state. We welcome you all and promise you much. The park will be ready and someone will be there to greet those pulling in Friday afternoon or evening. If anyone has questions or needs information, feel free to contact either of our Swap Chairmen:

Louis Mulinix-225 So.5th, Hebron, Ne. 68370 - Telephone 768-6472
Frank Hartley-720 Eads Ave. Hebron, Ne. 68370-Telephone 768-6456

Via Rock Express

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An old Indian stood on a hilltop with his son, looking over a beautiful valley below them. After a period of silence, the old Indian spoke, "Some-day, my son, this land will belong to the Indians again. White man all go to moon."

- Readers Digest

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"Is your mother engaged?" asked the salesman of the youngster who opened the door.
"No, sir," replied the lad. "She's married."

Lincoln Gem & Mineral Club board meeting was called to order January 6, 1977 by the President, John Harrison, Jr. at 5700 Otoe St at 7:30 P. M. with all nine board members present and Glen & Flossie Litzenberg, Larry & Marita Bigley, Don Carter and Roger Pabian.

Minutes of the December meeting approved as read.

Treasurer report by John Harrison, Jr. and approved as read.

Membership applications are ready and members to fill them in at January general meeting. Paper copies to be filled in by members, card copies are to be typed for permanent file.

Bills read by John Harrison, Jr., dues for NMF \$77.00 and NAOESCI \$37.75, Page Trophy \$33.70. Motion Howard Taylor to pay bills as read, 2nd Virginia Green-carried.

A discussion on January being the clubs birthday. A motion Evelyn Ulrich we have birthday cake at January meeting and pie social for February meeting, especially cherry, for the month, 2nd Norma Miller - carried. Calling Committee to call members and also to be printed in P & S.

February board meeting at Larry Bigley's on February 3, 1977.

Past minutes were checked -

Truck box or van for storage - motion Howard Taylor we drop issue of van for \$200, 2nd Virginia Green - carried.

Fossil Guides for Roger Pabian - motion Jim Marburger we drop the issue, 2nd Howard Taylor - carried.

Binders for Lapidary Journals - moved Jim Marburger get binders for complete years for club library, 2nd Norma Miller - carried.

Damaged item policy - moved Howard Taylor we drop this policy, 2nd Virginia Green - carried.

Cycad name plate has not been taken care of - President, John Harrison, Jr. instructed Roger Pabian to get it done as soon as possible.

President's committee appointments:

Program-Jim Marburger

Hospitality-Virginia Green

Historian - Lois Everett

Library - Larry & Marita Bigley

Field Trips - Larry Bigley

Housing & Property - Larry Bigley & Frank Rule

Refreshments - Bob & Sylvia Daniels and Robert & Leona Daul

Calling Committee -Nelda Oliver

Vaya Con Dios - Marie J. Carveth

78 Show - Don Carter

Liaison - Phyllis Parks and

Marita Bigley

Education - Howard Taylor

Discussion on cost to put Pick & Shovel out. 1974 it was \$217.48, 1975 it was \$412.00, 1976 it was \$595.00. We print and mail 217 copies. Glen Litzenberg to check on quantity that has to be mailed. Editor to decide who to exchange bulletins with.

Marita Bigley read reinstatement of James P. Null, board wants him to attend a meeting first.

Loup Valley Club at Columbus needs help setting up their first show and needs participation in displays. Howard Taylor recommended the President write a letter to them to write to NAOESCI or NMF for brochures on the above. There is a federation show manual.

Long Range Planning will also be By-Laws Committee and President asked the chairman, Roger Pabian, to hold a meeting within the next 30 days.

Club needs someone to start a notebook from exchange bulletins of tips etc.

Larry Bigley asked board for 1/3 page ad in P & S starting in February. Irl has his slogans for whole year starting with January issue and has paid for ad. Check with Tom Rule to see if Frank wants an ad. Motion Evelyn Ulrich to accept Larry's ad for P & S, 2nd Virginia Green - carried.

continued

JANUARY BOARD MINUTES - continued

President, John Harrison, Jr. read a letter from New Mexico. They want material for slabs ... Roger Pabian will take care of this.

Action Line called John Harrison, Jr. to find some commercial shop to cut turritella agate. It was suggested to get a name list of members who would be interested.

Mall show - space available at Richmond Gordman. It will be smaller than last year with about 12 cases, run 2 days - Saturday and Sunday. Will try for February about 5 to 6 weeks before show. Motion Virginia Green we try a mall show at Richmond Gordman this year, 2nd Evelyn Ulrich - carried.

Show meeting January 14 at 7:30, Roger's house. Roger Pabian read some information pertaining to show -

1. - A member to utilize a club case has to donate money to scholarship fund. Motion Howard Taylor club seek a donation earmarked to scholarship fund, from club members only. The fee to be \$5.00, cases must be properly taken down and returned to a designated area and \$2.50 will be returned, 2nd Joella Olson - carried. This is to be paid in advance at annual club show.
2. - Exhibitor's advisory to be printed on back of application forms read by Roger. Howard moved we accept item No. 1, 2nd Ray Lambert - carried. Moved Howard Taylor we allow only contracted dealers to use advertising in their cases, the rest of item 2 to remain the same, 2nd Ray Lambert - carried, - advertising to be at discretion of Dealer Chairman. Moved Howard Taylor, 2nd Virginia Green, to accept Item #3 - carried. Moved Howard Taylor, 2nd Jim Harburger, accept Item #4 - carried. Moved Howard Taylor, 2nd Norma Miller, accept Item #5 - carried.
3. - There will be two types of entry blanks - competitive and non-competitive at the January meeting. They will be color coded.
4. - Registration Committee needs to be filled.

Rock Swap - not enough club participation.

Motion Norma Miller to adjourn.

Nelda Oliver, Secretary

PROGRAM and EDUCATION - February meeting, Saturday 26th, 1977

We will have a slide program from the Midwest Federation film library. It will be a program on Lapidary. Following this we will have another film from Highland Park Manufacturing Co. Both of these are an introduction to gem collecting, gem making, the tools available for cutting and polishing stones and how they are used. Sequences describe cabochon making and a variety of ways the hobby is practiced and enjoyed. Following this we will have a question and answer period on cutting cabochons, and will also have displays of phases of cabochons, also some other displays of dopping, etc..

- Program and Education Committee

DEALERS FOR LGMC 1977 SHOW - March 26-27, 1977

RETAIL DEALERS:

- | | |
|-----------------------------------------------|---------------------------------------------------------|
| Snowy Range Rock Shop
Laramie, Wyoming | The Rocksmiths
Bisbee, Arizona |
| Bola Tree Lapidary
Hot Springs, So. Dakota | Rolene Rock Shop
Wabasso, Minn. |
| Richter Rock Shop
Omaha, Ne. | Lentz Lapidary
Mulvane, Kansas |
| Wonder World of Rocks
St. Joseph, Mo. | Eagle Rock Shop
Meridian, Idaho |
| Everett Lapidary Shop
Lincoln, Ne. | Jim's Rock Shop
Akron, Colo. |
| San Juan Gems
Cortez, Colo. | Lapidary and Gem Cutters
Supply
Ropesville, Texas |

WHOLESALE DEALER:

Uncle Tom's Rock Shop
Owatonna, Minn.

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PRECIOUS HOURS:

Lost yesterday between sunrise and sunset 2 golden hours, each set with 60 diamond minutes. No reward offered, for they are gone forever.

If anyone finds the lost hours, use them. Don't let them slip out of your sight.

FROM THE PUBLISHER'S POINT!

We want you to particularly note the front and back sheets of your Pick & Shovel. Nelda is printing this year's covers on her equipment - from our lay-outs - plates made by Roger Simmons at Gem Press. The plates will be very little higher than our electric cut stencils were, will be good much longer, not give us the offset, and Bob & Nelda are going to print the dating information of for us. They look really good to me and I appreciate the time Bob and Nelda have put unto it. THANKS! This lightens the load of printing each month for me so we are experimenting with some lower priced paper to cut the amount spent overall, yet give you good copies of each Pick & Shovel. I find the cheapest paper gives me problems going through our mimeograph machine but the next to lowest one seems very satisfactory. It costs \$2.355 per ream as compared with 2.80 per ream for that which we have been using. With the new silk screen we are using less ink and the sheets are looking much better, except those sheets which had problems. (Paper is not responsible for the mess which I made of the Junior Page, stencil too old and did not cut well.)
Late Flash - half of the Junior Page run upside down - Sorry Juniors.

Nelda Oliver, Representative to NRL, will have an extensive report on activities of NRL at the February meeting, including some legislative items.

We've just heard that our long time club member Floyd Fellows has been hospitalized at Veterans Hospital.

Marie and Lynn Wells had to postpone their Feb. 13th departure for Arizona as Marie was rushed to Bryan Hospital for treatment. Lynn's doctor wants him out of this cold weather for a spell. Heard from son John Dugan, that Marie should go home by latter part of this week and can go to Arizona in a couple weeks.

Hazel Greenwade is reported doing very well after her foot surgery but can't do much until her shoes come - boy would I like a couple weeks without shoes so I could catch up on my reading - hope you have enjoyed that part of your waiting too Hazel - just couldn't resist kidding you.

Our Vaya Con Dios Lady, Marie J. Carveth, underwent surgery last weekend and is also at Bryan Hospital. All of our wishes for a rapid recovery are with you, Marie.

Flossie Litzenberg, who types nearly all of the stencils each month, asked me to please thank all the club members for getting material for the P & S in on time. When Evelyn gets the material she prepares the copy and if on time it takes the pressure off and allows Flossie to enjoy the typing instead of hurrying. So-Thanks!!

Don and Edna Carter recently attended the big Hall Gem Show in Denver. Wonder if they got any pictures?

Evelyn tells me that NAOESCI Editor Norma Kreutz fell on the ice and broke her hip. Marge Zamzow will take over on the state publication for her. Best Wishes, Norma.

No one seems to have heard from Frank Rule and the two McGinnis. Wonder how everything is in the wonderful world of sunshine, rocks, and relaxation?

We are very sorry to hear of the death of club member E. L. (Bud) Maxfield and wish to extend our sincere sympathy to his wife and family.

HOW ABOUT THE SHOW - Luella Paul, Open Exhibits Chairman, needs a few more open exhibits, so go through your ideas and come up with an application for space to help fill those open spaces.

Don't forget to fill out your space needs at the February meeting as time is getting shorter and shorter - time is nearly here.

NOTES ON 1977 SHOW

The weekend of the 1977 show is quickly approaching and most of our rock-collecting aspirations should now be directed toward and tuned in for that event. By now we should all be vibrating on the same frequency and wondering what we should display, how many (many) cases we should put in, whose committee we should work on and so on down the line. The various sub-committees have reported that all of their duties are either completed or well on the way to completion. All of the dealers, special features, programs, etc. have been contracted. The rock pile is growing, some open type displays have been arranged, and the floor managers are now finalizing the layout.

Just because the show committee has all of its work well in hand doesn't mean the club can now loaf until March 26 and 27. Now is the time for the membership at large to be planning and preparing their displays. All displays are welcome and display applications will be passed out, and re-collected, at the next general meeting on February 26th. So be prepared to tell what you will be displaying, how many feet of table space you will need, how many feet of open display space you may need, how many watts of electricity your display will require, etc.

We will need many workers at the show both days, and also set up day, March 25, so a list of the various sub-committee heads is included below. If there is any one area in which you would like to work, please notify the individual sub-committee head as follows: dealers, Howard Taylor; special features, Marie Taylor; programs, Marita Bigley; working shop, Larry Bigley, Don Carter; printing and duplicating, Phyllis Parks; floor, John Harrison, Jim Harburger; uniform rules, Ray Lambert; open displays, Luella Paul; social hour, Bob and Sylvia Daniels, Robert and Leona Daul; ticket sales at door, Art Howlett; registration, Farel Hyland; publicity, Flossie Litzenberg.

On Saturday and Sunday, February 26 and 27, we will have a preview show at the Richman Gordman community service center. This will be of the same nature as the mall show we sponsored at Gateway Shopping Center last year except that it will be of a slightly longer duration, but on a somewhat smaller scale. The discount coupons are ready, and so are some of the new membership application forms, and we hope to use many of these at the Richman Gordman preview show. We have 10,000 coupons to dispose of and we hope to leave half that number with the shoppers, all of whom will have to pass by our displays in order to leave the store.

Discount coupons will be passed out to the members at the February meeting. All of these will be the ivory colored. Coupons going out via the Richman-Gordman store and other commercial outlets will be green. The green coupons will be marked in such a manner that we can determine what sources of distribution will have yielded the greatest return. This information should be helpful to future show committees.

Also, one of our plans is to develop a worthwhile competitive program at our forthcoming shows. We have gone to great lengths to obtain some very knowledgeable and talented judges in minerals, lapidary, and fossils. I would urge everyone who is interested in upgrading his basic knowledge of gems and minerals to consider very strongly to enter at least one competitive display. The judges will have many useful and constructive comments that will help each competitor to upgrade, improve, and learn.

The rock pile sub-committee chairmen are Tom and Betty Barnes. They will need rocks as well as helpers in this important part of the show. If I missed any other sub-committee chairmen above, my apologies.

A transportation fee of \$2.50 will be assessed for members only who wish to use club cases for their displays. The 2.50 per case will be earmarked for the scholarship fund. In this manner, we can utilize our club assets to further this good cause.

Finally, I think it is the total membership working together that makes a show what it is. We have to participate as a team to assure the success of the show, which should be measured on the basis of how many visitors find it the "Best Entertainment Value in Town." That is what we plan to provide---we need your support. Thank you.

Roger Pabian
1977 Show Chairman

AMERICAN FEDERATION CODE OF ETHICS

I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.

I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.

I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.

I will use no firearms or blasting material in collecting areas.

I will cause no willful damage to property of any kind - fences, signs, buildings, etc.

I will leave all gates as found.

I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.

I will fill all excavation holes which may be dangerous to live stock.

I will not contaminate wells, creeks, or other water supply.

I will cause no willful damage to collecting material and will take home only what I can reasonably use.

I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.

I will cooperate with field trip leaders and those in designated authority in all collecting areas.

I will report to my club or federation officers, Bureau of Land Management, or other proper authorities, any deposit of petrified wood or other material on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes..

I will appreciate and protect our heritage of natural resources.

I will observe the "Golden Rule", will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and public image of rockhounds everywhere.

FEBRUARY CONGLOMERATE (No pudding stone)

- by J.D.Young

My outdoor thermometer sneers through the double-pane window at me as I write this, snug in my heavy pull-on sweater. Its indoor counterpart, gracing the thermostat, shows we are mindful of the thermal emergency. My steaming cup of "nectar-from-Brazil" wafts its costly aroma, visibly.

Out another window the cardinals, juncos and left-over robins await their turn as the bluejays, starlings and squirrels get their fill.. (The engorged species). All seem to endure the weather, if we stoke the feeders..

That old Minnesota joke about a "heat wave" sending the temperature "right up to 40 degrees below" may yet apply. About that 40 degrees below, - is it Fahrenheit or Celsius? At that point the scales coincide, so take your pick. To prove it just substitute -40 degrees in either of these formulas, but be careful about minus signs: (Celsius x 1.8) plus 32 = F degrees, or (F degrees -32) divided by 1.8 = C degrees. See, I told you so!

(My apologies to Mr Young - My typewriter does not have the degree marks, or divide signs. As a result his formulas could not be printed as they appeared on his manuscript. - Editor.)

Celsius (or Centigrade) temperatures sound lower than our familiar Fahrenheit, but below -40 degrees the pattern reverses. Each C degree spans 1.8 F degrees, and water freezes at 0 degrees C or 32 degrees F, and it boils at 100 degrees C or 212 degrees F, at one atmosphere of pressure. On the Kelvin (absolute scale) there are no below zero points, and water freezes at approximately 273 degrees C above zero. Sounds better!

Thermometer do not measure amount of heat energy, but the degrees of intensity, which could be expressed in terms of speed of molecules. Energy may be measured in calories, or British Thermal Units (BTU), or any of many more sophisticated units, loved only by scientists. As a practical note: mercury thermometers cannot function in extreme cold because that liquid freezes at about -39 C degrees.

February (the Sioux "moon-of-the-dark-red-calf") is back to normal length after its Leap Year bulge. The earth's movements do not agree with calendar whole numbers, so we must adjust to its "whims". The ancients, with limited technology and sharp minds, struggled with the never ending problem, too.

This shortest month contains birthdays of 3 U.S. presidents. Washington and Lincoln's are known by all, but the 9th president, William Harrison, was born Feb. 9, 1773. He held office only 31 days when he died at age 68, reportedly from effects of exposure on Inauguration Day. His father, Benjamin, was a signer of the Declaration of Independence, and his grandson, Benjamin, became our 23rd president.

Many who watched the Jan. 20, 1977 ceremonies were amazed at the sight of the nation's No 1 couple and precocious daughter going "Makamani" (Sioux for hoofing it") on the street. Observers'

FEBRUARY CONGLOMERATE continued

emotions mixed with admiration, aspirin, and apprehension. Poor old W. Harrison could not have done it. (O, the power of youth and peanuts over matter!)

There may be many famous February children, and among them is Charles A. Lindbergh, born Feb. 4, 1902 in Detroit, Michigan. He purchased the "Spirit of St. Louis" plane in Feb. 1927, after learning to fly in Lincoln, Nebraska. The 50th anniversary of his most famous flight will be in May this year. F.D. Roosevelt missed a February birthday by being born Jan. 30, 1882. He was elected to the presidency 4 times. When his 2nd term began the inauguration date was permanently changed from March 4 to Jan. 20.

One reason for the change in date was that weather conditions in Washington were thought to be less favorable in March. This year Jan. 20 was reasonably good, compared with eastern weather now. So far we have been fortunate here, without too much snow. Many readers will recall our winter of 1948-49, especially in the sandhills, and "Operation haylift".

Real old timers remember 1915, the year without a summer. Rains in early Dec. 1914 turned into snow that continued to pile up to April 1915. Frost formed in every month of 1915. Farmers' hay did not cure; harvest was almost impossible because horse-drawn machinery sank in the mire, due to excessive rainfall. Corn froze before maturity and had little value. World War #1 was already on in Europe.

In Lincoln the Cushman factory produced a small gas engine to power the cutting and binding mechanism of grain reapers, so horses were able to drag the implements through the mud. Clever farmers mounted the machines on beer kegs for wheels. "Giddy up, nags!"

These little Cushman engines "saved the day", and later evolved to propel scooters. (Putt-putt-putt!)

J.D.Y.

P. S. Tired of weather? Again, anyone for a nice, cozy cave?

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WHAT IS AN AMERICAN?

He yells for the Government to balance the budget, then takes the last dime he has to make the down payment on a car. He whips the enemy, then gives them the shirt off his back. He yells for speed laws that will stop fast driving, then won't buy a car if it can't make 100 miles per hour.

An American gets scared to death if we vote a million dollars for education, but he's unconcerned when he finds we are spending three billion dollars a year for cigarettes. He knows the line-up of every base ball team in the American and National Leagues-- and does not know half of the "Star Spangled Banner", He'll spend half a day looking for vitamin pills to make him live longer, then drive 90 miles an hour on slick pavement to make up for lost time.

He ties up his dog, but lets his 16 year old run wild. An American will work hard on a farm so he can move to town where he can make more money so he can move back to the farm. When an American is in his office, he talks about baseball, or fishing, but when he is out at the game or on the lake, he talks about business.

He is the only fellow in the world who will pay 50 cents to park his car while eating a 25 cent sandwich. He's never ready for war, but has never lost one. We're the country that has more food to eat than any other country in the world, and more diets to keep us from eating it. We're the most ambitious people on the earth, and we run from morning until night trying to keep our earning power up with our yearning power.

We're supposed to be the most civilized Christian nation on earth but still can't deliver payrolls without an armored car. In America we have more experts on marriage than any other country in the world, and more divorces.

But we're still pretty nice folks. Calling a person "A Real American" is the best compliment you can pay him. Most of the world is itching for what we have, but they'll never have it until they start scratching for it the way we did.

Author unknown, Via The Rear Trunk

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LAPIDARY IS ONE OF THE OLDEST ARTS...The art of lapidary is one of the oldest arts known to man. It can be traced in history to 5000 B.C. when precious stones were cut and polished for the Pharoahs of Egypt. According to the Bible, it was common to use precious stones as personal ornaments, and gems were mounted in the garments of priests. We read of Solomon's equipping a fleet which returned from Ophir ladened with precious stones. Caeser's wife's earrings were reportedly valued at \$772,000.

The Israelites and the Egyptians used emery powder for polishing as early as the fourth millenium B.C. For many years lapidaries were employed by the nobility and very high ranking clergy. During this time the art of lapidary became a very secretive trade.

Via Deming Rock Chips

Energy Saving Tips:

Wear a sweater indoors. You'll find that you can set your furnace thermostat at 68 degrees and be comfortable - and you'll cut your use of energy for heating by as much as 15 to 20% from a 72 degree setting.

Don't heat unused rooms. Turn your furnace thermostat down or off before going to bed at night. Check your furnace filter and clean or replace it when necessary. A dirty filter makes your furnace work harder and wastes energy.

Use lower wattage light bulbs, except those used for reading. Turn off all lights you are not using, even if you intend to use them again a few minutes later.

Proper home insulation and weather stripping can cut heating requirements up to 45%. Check your attic to see if the ceiling is insulated. One third of the homes in Northern and Central California have no insulation at all.

Wrap insulation around the hot water pipes to reduce heat loss.

If you have a dishwasher, turn it off when it comes to the "dry" cycle. Let dishes dry naturally.

Make a game of energy conservation. Challenge your children to come up with ideas on how to save gas and electricity.

Winter is a time of increased television viewing, but be sure sets are off when no one is watching them. Also, most "instant on" TV sets use energy even when turned off. When you do not need this convenience, pull the plug on the set after turning it off and replug a few moments before turning back on - or install a line switch on the electric cord.

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CLASSIFIED AD:

Monday----For Sale. Sam Jones has one rock saw for sale. Phone after 7:00 P.M. #968. Ask for Mrs. Kelley who lives with him cheap.

Tuesday---We regret having made an error in Mr. Jones' add that appeared yesterday. It should have read: For Sale-Sam Jones has one rock saw for sale cheap. Phone #968 and ask for Mrs. Kelley who lives with him after 7:00 P.M.

Wednesday-Mr. Jones has informed us that he has received several annoying phone calls because of an error that appeared in his classified ad. His ad is corrected: For Sale: Sam Jones has one rock saw for sale cheap. Phone #968 after 7:00 P.M. and ask for Mrs. Kelley who lives with him.

Thursday--NOTICE! I, Sam Jones, have no rock saw for sale. I smashed it. I am not carrying on with Mrs. Kelley. Until yesterday she was my housekeeper.

HANDY HINTS

Gem Tips - On The Polishing of Gemstones

- Edgar Wengard, Gem Cutters' News

RHODONITE: From Australia and California. Hardness 5½ to 6. Polish with chromium oxide on leather. A very high polish is almost impossible to obtain because of the construction of the material.

ROSE QUARTZ: From Brazil and Madagascar and North Carolina. Translucent with pink rose color. Hardness 7. The pale pink in the North Carolina quartz will fade out after cutting, not the others. Polish with cerium oxide on hard felt. "Cat's eyes" bands can be found when properly oriented. First cut into a sphere, and only then can the correct axis be found without the use of x-ray.

PLUME AGATE: From Texas, Idaho and Oregon. The most beautiful of all the agates. Plumes of red, yellow, orange, black and multiple colors resembling flowers on a white semi-translucent background. Found in nodules and massive chunks, depending on locale. The plumes are softer. Hardness 5 to 7. Reduce speed to one-half when sanding and polishing to avoid undercutting the plumes. Polish with cerium oxide on leather, and avoid too much heat.

SMOKY QUARTZ: From Brazil and North Carolina. Crystal clear with warm "Hickory smoke" color throughout. Hardness 7. Polish with cerium oxide on hard felt. An excellent material for beginners.

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When using styrofoam for risers, hollow out the bottom with a spoon. This enables you to tuck up the fabric lining so that the bottom sits firm and even in the case. Any surplus material is fastened in the hollow area. This makes a very even, straight edge on the front of the riser.

Mineralogists Memo Via
Diablo Diggin's and Tule Smoke Signals.

A little graphite mixed with chrome oxide and applied to a muslin buff makes a wonderful Jade polishing agent. This works on "hard to polish" agate, too.

- Eureka Rock and Gem Club News.

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A drop of STP on garnet will help to orient the star.

Via The Psephite.

Place dop stick in the freezer unit of your refrigerator for about ten minutes and your cabochon will lift right off. If dop stick is to be reused right away, allow it to warm to room temperature.

Allen Gertzler Via Pick and chisel

SAFETY PAGE



LAPIDARY SAFETY RULES, Northwest Federation Safety Program

1. Protect your eyes when chipping or grinding rocks.
2. Run your grinding wheels no faster than the speed recommended by the manufacturer.
3. Avoid letting your wheels become water-logged by allowing the wheel to spin a while with the water turned off. Otherwise, the water will settle at the bottom and run out of balance causing the wheels to become bumpy.
4. Keep the grinding face true and straight across. Grooves or channels serve no useful purpose and may cause a wheel to split and part.
5. Cover all belt pulleys with some kind of guard or shield-it may save a finger.
6. Use dop sticks after initial roughout grinding to prevent cutting of fingers on grinding wheels.
7. When dry sanding, use a dust mask or suction blower. Breathing of such dust particles can cause silicosis.
8. If oxalic acid crystals are used in polish mixture, use rubber gloves and avoid inhaling any fumes because it is toxic when absorbed by the skin or lungs.
9. Be careful when using an alcohol lamp to dry or melt dopping wax. It is a fire hazard.
10. Always keep all harmful liquids and powders properly labeled and away from the reach of children.

Via Glacial Drifter

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BAKING SODA

One of the most versatile and useful products that can be easily carried in your trailer or on a rock trip is a box of baking soda.

It is a mild antiseptic for cleaning wounds and mixed with cold cream or vaseline (to keep it moist) helps sooth insect bites and stings, minor burns and weed rashes. It can be used to extinguish a kitchen fire, and also helps remove burned-on food from pots and pans. Soda water is just the thing for cleaning a regrigerator. It can be a dentifrice and mouthwash and used in a foot bath for tired rock-hunting feet. And, of course, it can be used for baking!

Via Chip and Lick

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Fashions for the Lapidary - To be fashionable, safetywise, never get "caught" wearing around your shop:

- Rolled up sleeves
- Fuzzy sweater
- Floppy shirt
- Cuffs on pants
- Shoes without soles
- A long tie
- Loose apron strings
- Too long pant legs
- Bracelets, watch chains, rings, or other jewelry

Via Rockhound News

JUNIOR PAGE

Here's another puzzle I doodled up in case Mr. Groundhog brings us the rest of that winter weather.

RTINEFLUXYPYJASPER
APATITETESTIRUZAYNV
HIUETICSIRAVALTPROH
METICLACITRINESPITP
KEYEREGITNFPPTYHTSL
CARNELIANOPCOIHIEU
HYOESIOUQRUTUPTRFOS
RHODOCROCISITERSSEEOV
YKYSILVERTEPCHEANRUX
SUNCVAALZLAAACATEYE
OSNEOCHTZACYLEADNGE
CPEARLJOIEIZIRCONA
OYAYYAAPICHTHEDAVRI
LCJLBTDAODAREBAFEND
LGCOLDUEZBYRASHMPIEI
AQUAMARINEBUBAPOUTS
FETHICALALQLCCYOLLA
CSEBDLARBERCORALVE

Words which you should find going in any straight line are:

- TALC EMERALD
SILVER ONYX
AZURITE ZIRCON
MALACHITE QUARTZ
VARISCITE PEARL
WULFENITE IVORY
MOONSTONE RHODOCROSITE
PYRITE CHRYSOCOLLA
SULPHUR IRON
APATITE AQUAMARINE
AMBLYST RUBY
ZINC DIAMOND
GARNET TURQUOISE
MAD TOPAZ
YAC OPAL
CORAL TOURMALINE
GOLD CHALC
CITRINE GYPSUM
CALCITE TIGER'EYE
COPPER SPINEL
MARBLE TIN
OBSIDIAN NICA
JADE IFAD
AMBER ALLOY

CARNELIAN

Time yourselves and let the staff know how long it takes you to find all words.

"We need winter to appreciate spring." via Sugar Loaf Mumbings



SOME GEMS OF WISDOM, NUGGETS, OR BITS from other bulletins

Probably the reason some people get lost in thought is because it is unfamiliar territory to them.

Inflation is making penny pinchers into nickel squeezers.

Help stamp out wrinkles---iron a prune.

EXPERIENCE - A rolling stone gathers no moss, but it gains a certain polish.

To improve the appearance of sodium chloride, sprinkle it on a nice, juicy steak.

Thunder eggs do not thunder, neither will they hatch. They are not even eggs. They are called thunder eggs because they were once thought to be petrified eggs of the terrible dinosaur thunder lizard, Tyrannosaurus Rex. They are curious baseball-shaped concretions dug from the soil of old lava pockets that have since been filled with opal, agate, or chalcedony. When cut in half & polished, they reveal patterns of great beauty & color. They are found in the volcanic ash beds of Idaho & Oregon. -Gem News via Pebble Pushers

Sue: I was really a smash hit in our school play. I had everyone glued to their seats.

Bill: Clever of you to think of it! via Breccia

If you'd like to spend your vacation in out-of-the-way places where few people go, let your wife read the road map.

CLIPS FROM THE AFMS NEWSLETTER of February 1977

ON COLLECTING PETRIFIED WOOD - Mrs. Elsie Matthews, Bartlesville, Okla., Multiple Use of Public Lands Chairman of the Rocky Mountain Federation and a member of the Public Lands Committee of the AFMS, recently wrote to the United States Department of the Interior regarding collection of petrified wood. She received the following reply from the Deputy Assistant Director, George D. Lea.

"Thank you for your letter of Oct. 27, 1976, concerning illegal taking of petrified wood. In response to your questions, we offer the following information:

The use of "bulldozers" to collect petrified wood is illegal. The collection of petrified wood is limited to 25 pounds plus one piece per day or 250 pounds annually per person.

Anyone apprehended taking more than the amount of petrified wood specified above from public lands is subject to prosecution under the law. If club members discover anyone removing petrified wood in amounts larger than that stated above, they should report this action immediately to the local Bureau Field Manager.

There is no fee charged for hobby collection of petrified wood. We are enclosing a copy of the regulation which governs the collection of petrified wood."

A digest of the Congressional Acts mentioned by the deputy assistant director provide that (1) lands administered by the BLM and set aside as reclamation reservoirs are not open to rock collecting, (2) all National Parks and other areas specifically designated are not open for rock collecting, (3) any lands whose status is changed and recorded in the Federal Register.

All provisions are: explosives, tractors, bulldozers, etc. cannot be used, but light trucks (one ton limit) used in connection with campers or trailers as principal means of transportation may be used.

Collection of specimens must be done in such a manner as to avoid all soil erosion or needless damage to land resources. Specimens so collected may not be bartered or sold. The head of the bureau having jurisdiction may publish additional rules.

Mrs. Matthews suggests that any person or persons coming upon commercial collectors notify the nearest BLM.

NEW SOIL EXPOSED AT DIAMOND CRATER - There's good news for diamond hunting visitors to Crater of Diamonds State Park near Murfreesboro. Recently, the staff at the Crater rented a TD 24 bulldozer from the Pike County Maintenance Shop and dug the field of diamond-bearing kimberlite soil deeper than at any time since the Crater has been a state park.

"We worked about 10 days," says Park Superintendent Jim Cannon, "moving one to two feet of the top off the best parts of the mine. Since the bulldozer we have used in the past will only plow 12 to 16 inches deep, we have now plowed fresh material on the one-half to two-thirds of the mine we have been over."

Following the dozer operation, the newly exposed semi-hard kimberlite soil was plowed to break it up further. Cannon feels that it will take until next summer for erosion to break down the new soil completely.

The Crater of Diamonds State Park is a unique attraction, the only known occurrence of diamonds in their natural matrix on the North American continent. The park comprises 867 acres, of which 78 acres form the volcanic core containing the precious stones.

For additional information, contact the Arkansas Department of Parks and Tourism, 149 State Capitol, Little Rock, Arkansas, 72201. (501) 371-1511. They have a schedule for fees, facilities, and visitor information.

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to members clubs.
All news, articles, subscription orders and requests for information concerning publication
should be sent to the Editor, Haydon Peterson, Parrot Printing, 2125 Forest, Des Moines, Ia. 50311



February 1977 - Issue No. 172

POSTAL SERVICE MAY SCHEDULE SECOND MINERAL STAMP FOR 1979

Regretfully, Mineral Heritage Stamps will not be issued in 1978.

The silver lining is that the Stamp Committee is taking it under advisement for 1979.

We have been informed that already they are considering 1979 issues and final decisions will be made the early part of 1977. Therefore, it is advisable for requests to be sent in as soon as possible. A simple letter is all that is necessary, addressed to: The Postmaster General, 475 L'Enfant Plaza West, S. W., Washington, D. C. 20260.

Stamps for food

The American Federation continues to encourage clubs to save used commemorative postage stamps that can be turned into money for purchasing food for our less fortunate.

When your club purchases stamps for use on your monthly bulletins, ask the postal clerk for commemorative issues and then ask your members to return them to your club secretary, or in many clubs a stamp chairman, along with any other commemoratives they have received on their mail.

Cut the stamps from the envelopes or packages leaving about 1/8th inch to 1/4th inch of paper around the stamp. Be careful not to cut into the stamp and do not soak them from the paper.

Some areas have dealers who will purchase the stamps, in quantity, usually at least a pound at a time, and then the money can be turned over to some charitable institution in your community for use in purchasing foods.

However, if no such stamp dealers or institutions are available in your community we suggest you send your stamps directly to Stamp Project, Washington State Council of Churches, 4759 15th Avenue, N. E., Seattle, Washington 98105. This organization is equipped to handle your stamps and have contacts with those who know where the food is needed. In a recent year this organization provided over \$14,000 to purchase food from the stamps sent to them.

The stamp project is just one more way our clubs can be of service to others, and remember, every stamp counts!

Geology tour

An invitation from Eastern Federation to come "down South" for a Geology Tour has been received and we have accepted! Now all we need -- is to give you the basic information and take reservations.

Tour dates are May 16 through May 27th. Tour will begin in north Georgia at Red Top Mountain State Park, Cartersville, Georgia. Tour will end in the northwest corner of Alabama near Brilliant, Alabama. Cost will be \$15.00 per adult for the two weeks with children under 18 free. Checks should be made payable to EF Geology Committee. The tour is designed for camping and anyone wishing to use motels will find it somewhat difficult but not impossible. Camping reservations will be made for you but motels accommodations will have to be found each night by persons involved.

The tour will cover all of Georgia and part of Alabama. The weekend of May 21st will be the All Georgia Swap and we will be there for that event. There will be rock collecting (cutting materials and mineral specimens), lectures at night around campfire, sightseeing will be limited to areas of Geological interest. Fossils in both states.

Reservations will be accepted on a first come basis. Tour will be limited to 50 adults. Reservations should be sent to: Don Clarke, Chairman, MF Geology Chairman, 1107 Maple Street, Essexville, Michigan 48732.

Scholarship

Since the Fall Executive Meeting over \$990.00 has been received by the Scholarship Chairman from 17 Midwest Federation clubs. The Midwest Federation is now a 400% Federation.

The following clubs have advanced their scholarship status as follows:

Dallas County Rock Club	1400%
McDonnel-Douglas Gem & Mineral Society	300%
Duneland Rock Club	1300%
Michiana Rock & Gem Club	1300%
Northwest Wisconsin Rock & Gem Club	200%
Blackford County Geological Society	100%
Wisconsin Geological Society	1000%
Muncie Rock & Gem Club	100%
White River Gem Society	700%
Rock Exchange Club	800%

YOU'VE GOT A DATE IN DAYTON (Ohio) JULY 21-24, 1977 - MWF SHOW AND CONVENTION

Chicago area clubs form association

With 16 retail gem, fossil, mineral and lapidary dealers signed up and five wholesalers under contract, the Memorial week-end show of the Chicagoland Gems and Minerals Association is well on its way. Exhibit registration forms will be going out shortly so that the opportunity to show either competitively or noncompetitively will be available to all who wish to be represented at this, the first combined club show in the Chicago area.

A catering service will handle food for the showgoers, and a booklet on motels, campgrounds and restaurants is being prepared. Since the DuPage County Fairgrounds, where the show will be held on May 28, 29 and 30, has ample building space and camping facilities, crowding is not expected. This fairground is near Wheaton about 20

miles west of Chicago and close to Int. 66 and 80.

Combined efforts of several clubs in an area have been so successful in Kansas City, near Cleveland, and in Detroit that the Memorial Day show is expected to be the first of a series of annual shows of the same caliber. As at them, nationally known speakers on various phases of the hobby will be among the major attractions, and demonstrations will acquaint visitors with faceting, silverwork, collecting and the like.

For information write or call the show chairman, M. C. McMahon, at 1220 W. Henderson St., Chicago, Ill. 60657, phone, 312-549-3612.

Mineralogy of Michigan

A new publication was introduced to the hobbyist recently at the Greater Detroit Gem and Mineral Show. Present with a supply for distribution was Irvin V. Kuehner, Geologist with the Michigan Department of Natural Resources and the editor.

The author is E. Wm. Heinrich, Professor of Mineralogy and Curator of the mineralogy collection of the University of Michigan. According to Professor Heinrich the compilation has a two-fold goal. It seeks to acquaint the layman mineral collector with the geologic characteristics and types of mineral deposits in Michigan and also to record the significant mineral occurrences in the state.

THE MINERALOGY OF MICHIGAN, bulletin 6, is available from: Michigan Department of Natural Resources, Geology Division - Publications, P. O. Box 30028, Lansing, Michigan, 48909.

Price is \$3.00 for each copy ordered. Make checks in that amount payable to: State of Michigan.

THANKS MIDWEST FOR SCHOLARSHIP GRANT

I would like to extend my most sincere appreciation to you and the other members of the Midwest Federation of Mineralogical and Geological Societies for the geology scholarship awarded the University of Missouri-Columbia. I am most proud and honored to have received the scholarship. The money will come at an opportune time, as it will facilitate my Master's thesis research.

My study will be concerned with deciphering the nature and origin of the porosity within the Bonneterre Formation, southeastern Missouri. As you are probably aware, the Bonneterre is the host rock for almost all of the sizable lead and zinc deposits in the state. My thesis should therefore have economic significance as well as contribute to the sedimentologic knowledge of the Bonneterre.

Again, thank you for your interest and concern with the field of geology. *John W. Ellison, Student, University of Missouri, Columbia, Missouri.*

NEED AN ANSWER TO A QUESTION ABOUT A COMING REGIONAL SHOW?

Do you want a specific answer to a question about one of the Regional Federation shows beginning in June? Here are the names and addresses of the six Regional show chairman.

CALIFORNIA: Lee C. Carter, 626 Humboldt St., Reno, Nevada 89509.

EASTERN: Don M. Moon, 724 Milton Dr. Hampton, Va. 23666.

MIDWEST: T. T. Cadeau, 263 Ridgewood Ave., Dayton, Ohio 45409.

NORTHWEST: Ivan Rudd, 1518 Canyon Rd., Ogden, Utah 84404.

ROCKY MOUNTAIN: Mrs. Russell Anderson, 402 E. State Hiway, Copperton, Bingham Canyon, Utah 84006.

SOUTH CENTRAL: Jim Knight, 204 Willowick, Conroe, Texas 77301.

CELEBRATES 11TH BIRTHDAY

The Earth Science Club of Missouri, Brentwood, St. Louis County, Missouri, has been a member of the Midwest Federation and American Federation since 1967. It was organized in 1965, and at the regular December 1976 meeting it celebrated its 11th Birthday. The club has regularly made contribution to the Scholarship Fund of the American Federation each year, and now as the Club goes into its 12th year it will become a 1200% Club, as a check is in the mail for another 100% star.

NEW PUBLICATION

A new publication of interest to jewelry makers is the magazine *Casting and Jewelry Craft*. Published bi-monthly the introductory price is \$5.65 per year. Alian Pub. Inc., Dept. S, 507 Fifth Ave., New York, N.Y. 10017

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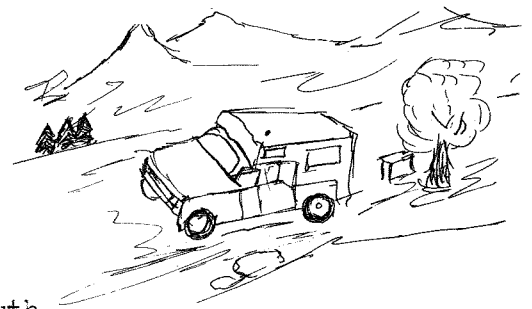


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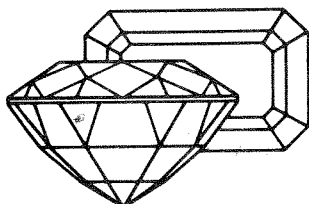
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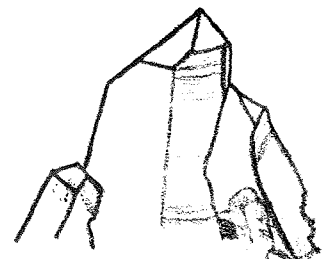
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