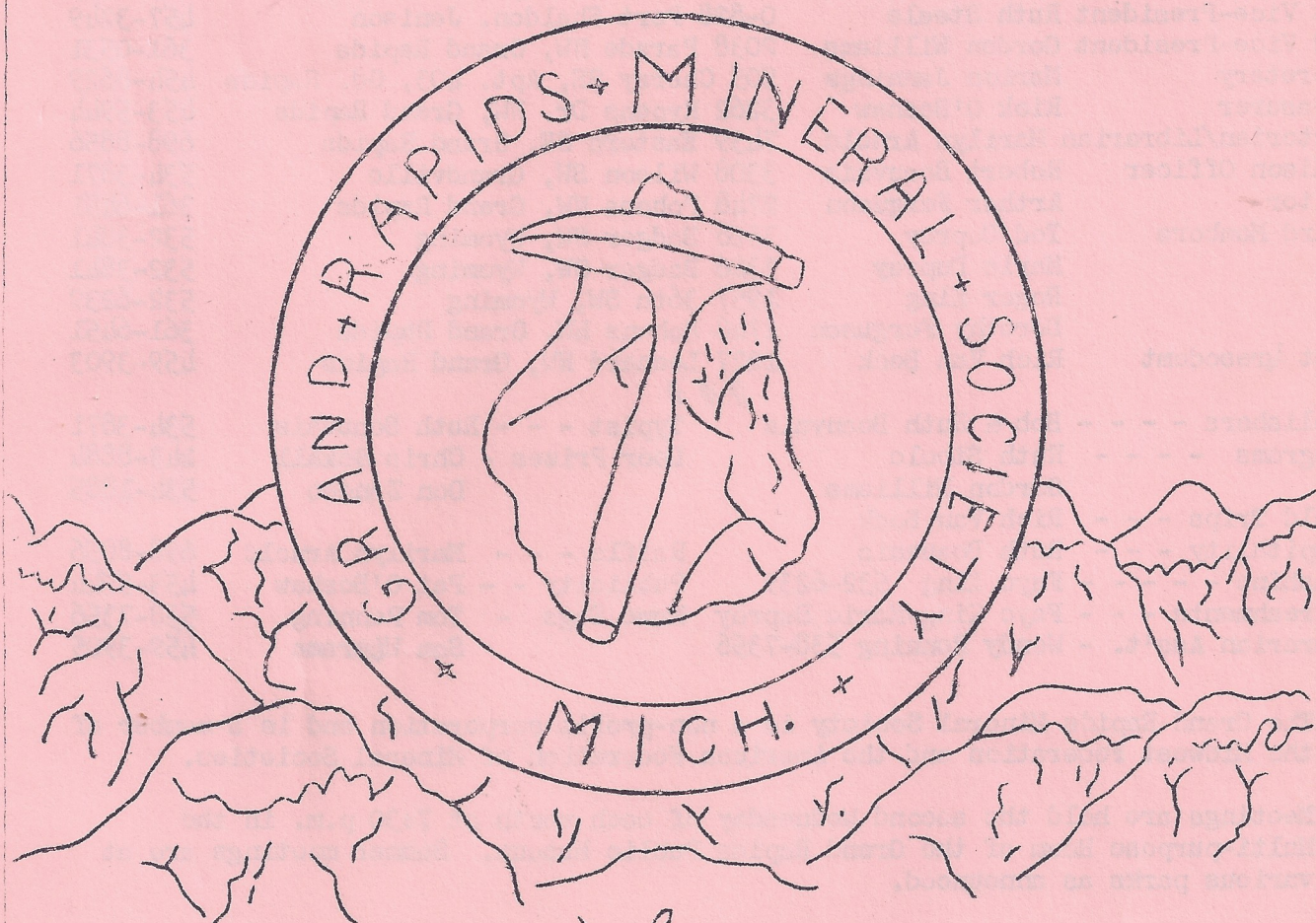


OCTOBER 1974



The

GRAND RAPIDS
MINERAL SOCIETY

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The Grand Rapids Mineral Society is a non-profit corporation and is a member of the Midwest Federation and the American Federation of Mineral Societies.

Meetings are held the second Wednesday of each month at 7:30 p.m. in the Multi-purpose Room of the Grand Rapids Public Museum. Summer meetings are at various parks as announced.

Membership dues are \$5 per year for a family, \$3 per year for a single adult, and \$1 per year for students under 18 years of age. Dues are payable to the treasurer. The year is from September 1 through August 31 of the following year.

Advertising in the GLACIAL DRIFTER is limited to a uniform size of one-third page at the rate of \$3 per issue, September through May only.

All material for publication shall be in the hands of the editor no later than the Monday after the regular monthly Board of Control meeting which is the third week of the month.

Permission to reprint articles appearing in the GLACIAL DRIFTER is hereby granted, provided proper credit is given.

EXCHANGE EDITORS: Please note -

All exchange bulletins should be addressed to:

Mr. Arthur Ferguson, Editor
2748 Pohens NW
Grand Rapids, Mi. 49504

THE GLACIAL DRIFTER
VOLUME 17 NO. 2
OCTOBER 1974

OCTOBER MEETING

Time: Wednesday, Oct. 9 7:30 p.m.
Place: Multi-Purpose Room, East Building
Grand Rapids Public Museum
Program: MICHIGAN COPPER COUNTRY by Don Clarke

GEM CALENDAR

Oct. 14 Board of Control at the home of Art Ferguson
Oct. 19 Field Trip to Amherstburg, Ont. for celestite, etc.
Oct. 16 Mineral Study Group meets at the Arnold Wandt's
Nov. 13 SILENT AUCTION at the museum

AREA SHOWS

Oct. 4-6 Flint Rock & Gem Club Show, Williams Community Education Center
3501 Minnesota, Flint, Mi.
Oct. 11-13 Great Detroit International Gem & Mineral Show, Detroit Light Guard
Armory, 4400 E. 8 Mile Rd., Detroit, Mi.
Oct. 11-13 Grand Traverse Area Rock & Mineral Show, "Nature's Colors,"
Northwestern Michigan College, Phys. Ed. Bldg. 8, Traverse City, Mi.
Oct. 13-20 Three Rivers 12th Annual Gem & Mineral Show, Glenbrook Mall, 1420
Coldwater Rd. & US 30 Bypass, Ft. Wayne, Ind.
Oct. 25-27 Central Michigan Lapidary & Mineral Society Show, Michigan National
Guard Armory, 2500 S. Washington, Lansing, Mi.

CHIPS from the Editor's Workbench

Another joint swap with our friendly neighbors of the Indian Mounds Club has come and gone. For probably the first time, we came out in the black. It is not intended to make money, but you do believe it should be self-supporting, so that an event that is not useful or enjoyable for everyone in a club does not have to be supported by them. We were able to make a few good swaps and personally had a good time. It is always fun, even though one may not find much to swap, to talk to one's many friends from other clubs. The fellowship around the supper table was also very nice.

The committees headed by Herm Prins of GIMS and the Don VanDyke's from INMC are to be congratulated on the smooth operation of the swap. The raffle and door prizes were the best ever and all phases of the swap were well-planned.

The only thing lacking was local people. At the opening it looked more like a Muskegon County meeting than a Grand Rapids area event!! While it is true that there are a lot of things going on simultaneously, we should have had more of our members out to enjoy the fun and support our club event.

Don't miss the October meeting. See the writeup by Ruth Steele on the meeting page. COPPER! COPPER! COPPER! Our favorite Michigan material is the headliner this month with our program given by Don Clarke.

This is the month of two big shows. First at Detroit, then at Lansing. We have reservations at Detroit and hope to get to Lansing also. Hope to see you there. For those who may be going up north, there is the show at Traverse City; if you're going to eastern Michigan, there is the show at Flint.

Next month is the BIGGIE--our annual SILENT AUCTION. As Ruth Steele says in her article - "Now is the time for all good rockhounds to come to the aid of their club and dig out the good specimens for the auction." (Hint: Keep your eyes open at shows and rock dealers for things to put in the auction.).

Remember: Our silent auction is our only money-making event. It's up to all club members to support it!

DUES ARE DUE * DUES ARE DUE * DUES ARE DUE * DUES ARE DUE

1975 Rockhound's Directory

The fourth annual edition - for 1975 - is being prepared. You may list your name, address, and collecting interests at no cost to you. Please limit total listing, including address, to 25 words. Include information as to whether you wish to buy, sell, or trade specimens. Deadline is Nov. 15, 1974. Send to: P. R. Page, P.O. Box 1233, Gainesville, Fla. 32602. If you send in a listing you will be notified when the directory is available but you are under no obligation to purchase one.

PRESIDENT'S

The fall season is now on us again. The indoor meetings have started for the Grand Rapids Mineral Society.

I certainly appreciate all the fine help I have received so far from the members of this club.

We need to continue with the help to make our club grow. The reason for a club is for the exchange of materials, ideas, and to tell others of our activities so they will become interested. If anyone has any ideas to help us create more interest, please feel free to speak up at a meeting or tell someone on the board.

We need materials for door prizes and raffle prizes. Please bring in some of the surplus collected or acquired on the summer's trips.

I did my "field tripping" early this year. Our daughter and son-in-law moved to Eureka, California, last September. They were expecting an addition to the family--my daughter said March 1. The baby didn't arrive until March 22! While we waited we went to various rock shops in the area. Twice we went to Willow Creek to check out the stream banks for jade. Found

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some nice soapstone. I talked with a man fishing on the Feather River about panning for gold and he said that just above the town of Willow Creek he does all right. He says as soon as the water level goes down he'll be there. I bought several pieces of California jade.

Black jade is found outside Indio, California. We made a trip back in the desert to see if we could find some. Nine miles of dirt road! The first half was not too bad. Seven miles back in the desert we came to a dry wash that we could not negotiate with the Vega we were driving; and we had it loaded! Well, we saw a lot of back country.

We stopped in Missouri at Old Mines to get some Missouri agate. We got some, but could have done better if we had known where to go. The stuff is all over!

Back to Eureka--it was a beautiful baby boy. We now have a granddaughter, Cindy, and a grandson, Brian.

-Don Bowers

Henry Tchozeski presented a lively commentary on a reminiscient slide program for our September meeting. Visitors were Steve Groenendyk and Mr. & Mrs. Larry Vingeier and son. We were happy to welcome them and invite them to return and join us. Faye King and Marie Duprey provided a special punch for the meeting which met with hearty approval since it was a warm night.

Saturday
October 19

We are planning a field trip to the Amherstburg Quarry, at Amherstburg, Ontario. This is for lovely blue celestite and some calcite, sulphur and brown fluorite is found here. Bring hammers, chisels, hard hats, safety glassess, etc.

Allow about four hours for your trip (55 mph, remember?) and take I 96 out of Grand Rapids to Detroit, then I 696 which turns into US 10, and go all the way to the tunnel. As you leave the tunnel, follow Highway 18 south about 20 miles to Amherstburg. Look for Pike Road, turn left, go about one mile. You will see the quarry on your right. You can take the bridge across if you like, but if you do turn back to the river after crossing the bridge to hit Highway 18. Plan to arrive about 9:30 or 10 a.m.

We are planning a bus field trip by North Star Lines to Cranbrook Institute in Bloomfield Hills near Detroit on Saturday, January 11. The probable cost per ticket will be \$8. Other details will be given later. Reservations can be made by calling me or seeing me at the meetings.

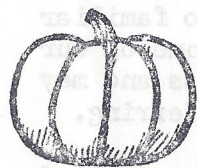
We hope to resume our basement field trips this winter. But we need volunteers. If you would be willing to have our club come to your home on a Saturday afternoon to see your collection sometime this winter, please let me know. Phone: 453-3903.

At our last meeting an invitation to join the Indian Mounds Rock & Mineral Club on a field trip to Pugh Quarry was announced. We counted 16 people from the Grand Rapids area in the quarry. From GRMS were Rick & Pat O'Beshaw with a new rockhound friend, Billy; Ruth Steele; Dave Hoffman and daughter, Sheila; Roger King and Karl DeBack. From IMRM were Bob Bieszka, Don Van Dyke, Stan and Mary Myjak, Jack Cramer and his daughter, and Tom and Janet Clifton, and Bob and Ruth Beauvais, members of both clubs.

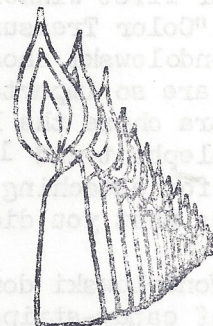
The amount of success depended on what you ~~were~~ looking for. Small calcite

crystals were plentiful but mud-covered. The last blast had been 10 days before so a lot of rock had to be turned over. There were few large dog-tooth crystals to be found which disappointed Roger who likes "the biggest and the best!" But we brought home some nice thumbmail size and found some small brown fluorite and blue celestite crystals. And we met a member of the State Line Club who showed us some breathtaking celestite which came from Maybee. (The quarry is closed!)

The weather was lovely and the fall color in Ohio seemed more advanced than ours.



OCTOBER MEETING



16th ANNIVERSARY

Mr. Don Clarke, research chemist at Dow Chemical and a member of the Midwest Federation Geological Committee, will present our program for the evening: "MICHIGAN COPPER COUNTRY." This program resulted from 23 years of collecting copper specimens, historical records, photographs, letters, etc., as well as slides on the history of mining in Keweenaw country. He has also written and published several booklets on various mines under the title of "Copper Mines of Keweenaw." These are on sale in the copper country and at rock shops.

He will also bring a 25 foot long display for us to see. Mr. Clarke knows where to find a bonanza of copper that most people didn't think existed within reach of the average earnest rock collector. Don't miss this one. Bring your note books ready to take down some data for your next excursion into Michigan's best know mineral area.

Bear in mind that with this meeting we are celebrating our 16th anniversary as a club. Try to think of those who haven't been out in some time, or someone who may be interested in attending or becoming a new member. Let's make this month BRING A NEW MEMBER - BRING AN OLD MEMBER MONTH. If you can't bring someone, ask someone else to pick them up. If you know of someone living out of town, write a letter with information on club activities as well as an invitation. Show them we care. We hope to have a lot of bright new faces as well as old familiar ones at our next meeting!

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NOVEMBER IS SILENT AUCTION MONTH - our one opportunity to make money for club expenses. Remember, if you can't find a place to put that specimen or cab, it may be just the thing someone else is looking for. Let's make it good quality as well as interesting material. Be sure to pick up your bid sheets at the October meeting. As usual, half of the selling price will be returned to you if you wish. If you do want your half, be sure you fill out the bottom half of the bid sheet.

-Ruth Steele

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BETTY CROCKER COUPONS - - - - - SAVE THEM - - - - - BETTY CROCKER COUPONS

We need them for the AFMS Scholarship Fund. Give them to Dorothy Ferguson and she'll take care of them.

RAFFLE NEWS

"WHAT'S A THUMBNAIL?"

Our raffle of September 11 showed a nice profit of \$11.78. Thea Fleming was our first winner and chose the book, "Color Treasury of Crystals." Sue Wondolowski chose the safety goggles which are so important to have. Bob Tuinstra chose the little miniature gold elephant and lion that are just right for attaching to a specimen. Show us what you did with them, Bob!

Paul Wondolowski donated a beautiful slab of candy-stripe wonderstone that he had just cut that day and Roger Streigle chose it, lucky guy! Did you see the atomic bomb blast pictured in it?)

Marie Spielmaker donated a beautiful specimen of ruby sphalerite that went to Richard Pulliam. Arnold Ballast won a very nice specimen of wavelite donated by Don Bowers.

Thank you very much, all you donors of raffle and door prizes. You are surely needed and appreciated.

Our next raffle will have another beautiful book, "The Color Treasury of Gems and Jewels." Also, we will have a "Rock Aquarium" for one of your favorite specimens. Don Bowers has donated a rock hound sign to attach to your license plate or hand up somewhere. We will also have some more dandy specimens.

So--get there early and be sure to get your raffle tickets.

-Marilyn Arnold

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WHEN YOU MOVE, PLEASE LET US KNOW.

Please remember that third class mail, in this case, THE GLACIAL DRIFTER, can not be forwarded. They are returned to us for a fee of 10¢ and with the corrected address, then it costs us another 10¢ to remail your copy. That's a total of 30¢. Please call us when you move so we can use the correct address.

When one of our lapidarists asked this question the other day, it occurred to us that we often get so used to using certain terms and become so familiar with them that we forget some of our members have other interests and may not know to what we are referring.

To answer that question we consulted the AFMS Uniform Rules concerning the sizes of mineral specimens:

"A micromount (m/m) is a mineral specimen in which the individual crystals are so small as to require magnification to correctly identify and evaluate the mineral. Micromount specimens shall be of a size no larger than will fit into a 1 x 1½ x 1 inch box.

"A thumbnail (T/N) is defined as a mineral specimen displayed so that it will fit into a one inch cube.

"A miniature mineral is defined as a mineral specimen displayed so that it will fit into a two-inch cube."

Larger sizes are not defined, but to the best of our knowledge specimens commonly known as hand-size are just that--they fit easily into your hand.

Specimens larger than that are usually referred to as cabinet or museum size.

Correct us if we're wrong!

-Art Ferguson & Bob Beauvais

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If you have shared with a school, a scout, church or community group concerning your rock hobby, please write it up and get it to Ruth Beauvais before it slips your mind. We need these for the AFMS All-America Club contest entry. Better yet, ask for a letter of thanks which we can use for our entry.

DUES ARE DUE - DUES ARE DUE, DUE, DUE
NOW, NOW, NOW

THE COPPER MYSTIQUE

While there exists many legends and tales connected with precious metals, such as gold and silver and stones like diamonds, the mysteries surrounding the history of copper are equally intriguing. Only in recent years--1953 and 1955--have some of the most curious facts come to light, and in turn prompted some puzzling questions about the real antiquity of copper mining, particularly in the Lake Superior region.

For example, radiocarbon dating of charcoal found in the bottom of the mining pits on Isle Royale indicate that these pits had been worked 3,8000 years ago, plus or minus 300 years.

Another interesting conclusion is that an estimated 500 million pounds to more than one billion pounds of copper were mined prehistorically in the Lake Superior area. Where this copper went is still unknown. Although the Egyptians used copper quite extensively 7,000 years ago, the exact source of their copper is unknown. While there is no evidence to link the Lake Superior region with Egyptian copper, it is certainly possible that a copper trade existed several thousand years ago between America, Europe, Asia, and South America. Improved analytical techniques and knowledgeable geochemistry of copper may help us to trace the routes and determine to what extent copper moved in world trade in prehistoric times.

It is evident that prehistoric mining efforts in Northern Michigan were indeed extensive. To extract 500 million to one billion pounds of copper it could require as many as 10,000 men working for a thousand years. Mining techniques included the use of fire to heat the stones, cold water to split them and stone hammers to separate the copper from

the rock. In light of these methods used, the production figures become all the more astounding.

These and other findings have been compiled in a book by Professor Roy Drier who has made an extensive study on this subject and the area.

Apparently there is a great gap of knowledge about the efforts to mine copper some 3,800 years ago--and the time that Father Claude Allouez, a Jesuit missionary, noticed copper on the shore of Lake Superior in 1667.

More than a century later, in 1763, the region passed from French to British sovereignty. Almost immediately the British organized a mining company in London to take advantage of the wealth in the Keweenaw Peninsula. The perils of mining, the cold winter and the narrowing of the copper vein soon discouraged the British and they retreated to the Sault. Thus ended the British efforts to mine the copper. A second chance vanished in 1783 when the south shore of the lake was ceded to the United States.

Many domestic problems arose leaving the legends of the Copper Country to rest. But due to the enthusiasm of Michigan's first State Geologist, Douglass Houghton, the Keweenaw Peninsula was back in the limelight in 1840. Houghton explored the Lake Superior region in 1840 and submitted a report in 1841. Despite his words of caution, America's first mining boom was in full force after the signing of a treaty with the Chippewa Indians that opened the country to settlement.

Federal mining permits were required but did not guarantee the presence of the metal. David Henshaw,
(next page, please)

THE COPPER MYSTIQUE (continued)

Secretary of the Navy under President Tyler, was one of the first to purchase a permit. He and his associates organized the Lake Superior Copper Country Company in 1844--announcing the presence of silver and copper valued at \$3,000 per ton of rock. This caused a second rush to the area. In 1849, the company showed successive losses, despite continued copper production, and was forced to cease operation. It was succeeded by the Phoenix Copper Company which had no greater luck than its predecessor. All told, the region cost investors almost \$2.5 million in paid-in capital with a return of only \$20,000.

The first mine in the world to mine native copper as its sole product was the "Cliff." Upon this mine's opening, federal permits were discontinued and the land put up for sale at \$5 an acre and later reduced to \$1.25. During its productive period from 1845 to 1880, the Cliff produced 38 million pounds of copper, returned more than 2,000 per cent on the investor's paid-in capital and restored seemingly lost confidence throughout the district.

Michigan, the original home of the copper industry in America, didn't gain real importance until the electrical industry began its growth in the early 1900's. It is indeed unlikely that either industry could have grown without the other.

Although the copper industry thrived on this surge of business, the electrical industry's requirements--among others--outgrew the producing ability of the mines. Unless the grades were high, underground mining faced stiff competition from the high-grade and open-pit mines of the west and South America. Additionally, the deeper the open-pit mines, the higher the cost.

Throughout the years, more mines were discovered and more companies formed. One of the best known is the

Copper Range Company organized in 1899. Five months later the Champion Mine was established and in 1903 Copper Range gained control of the Tri-Mountain and Baltic mines--thus becoming Michigan's second largest copper producer. After being dormant for nine years, the Porcupine Mountain's White Pine Mine became one of Copper Range's holdings in 1929. This mine produced copper during World War II, but since 1953 has been a chalcocite copper ore operation.

Copper is an international commodity and Michigan coppers have an important part to play. For the Lake Coppers allow the United States to be less dependent upon the political unrest of the principal foreign sources for copper and also to stabilize prices and production of American copper. Most of the Free World's copper--excluding the United States--is produced in countries that consume a small part of their production. On the other hand, a large part of the consumption is in areas with little or no copper. Thus copper flows in international trade, contributing to the industry's strength and some of its weakness.

A stable market for copper is vital to Rhodesia, the Congo, Chile and Michigan as well.

For reasons unknown, these pre-historic copper mining operations in the Lake Superior region many thousands of years ago were suspended. The closing of some mines in recent years had some people wondering if this shutdown of the industry was reoccurring again in history. Company spokesmen allay these fears, however, saying that the industry has a foreseeable future not of any spectacular growth, but of assured stability.

(Reprinted with permission from the MICHIGAN CHALLENGE Magazine--via THE TULIP CITY CONGLOMERATE)

Dear Club Members:

As chairman of the 6th Annual Rock Swap for the Grand Rapids Mineral Society, I wish to thank all of the members who have helped to make our rock swap a success. Special thanks should go to Marilyn Arnold, who, in spite of an injured knee, managed to negotiate the purchase of the excellent prizes we used for the raffle. I wish to thank Bob Beauvais for his help in the printing of the flyers as well as Bob Prins for the advertising poster.

Our set-up crew, as well as the kitchen help, registration helpers and clean-up group were very prompt in negotiating their duties and with the conscientious help of all the rock swap was a lot of fun. Ted Duprey also needs special thanks for displaying the advertising signs along the road which I completely forgot. Thank you, Rich VanBeek, for setting up the P.A. system for us.

I feel the pot luck dinner at 6 p.m. was even a greater success. Did you notice all those great goodies? It appears that our country is surely blessed with an abundance of everything, especially the two basic ingredients of a rock club such as ours, namely: lots of food and lots of rocks.

Thank you,
Herm Prins

Swap door prizes were won by Art Ferguson, Lance King, Roger King, Marvin Schroeder, and Harvey Hoffman of GRMS; Nancy Ammerman, Harry Brummel, Barbara Bieszka, and Eleanor Brummel of Indian Mounds Club; and Joe Gilmore, Bill Kleeves, Clarence LeTarte and Elmer Schmiedeknecht of Muskegon; Maria Elam of Detroit and Mike and Jim VanDyke of IRRMC.

Raffle winners were Pat O'Beshaw, George Arnold, James DeZwaan, Roger King, Ted Duprey and Don Bowers of GRMS; Thekla Berndt, Dick Lemmink and Stanley Myjak of IRRMC; and Bill Kleeves of Muskegon.

THE INDIAN MOUNDS

Some of you may remember that in 1968 the Grand Rapids Mineral Society passed two resolutions concerning the Indian Mounds. One was sent to the Grand Rapids City Commission asking that the Mounds be placed under the jurisdiction of the Grand Rapids Public Museum, that they be enclosed and the necessary steps taken to prevent further desecration. The other resolution was sent to the National Park Service with copies being sent to Senators Griffin and Hart and then Congressman Gerald R. Ford asking that the Mounds be developed as a National Monument. We have carried on considerable correspondence ever since with these people in the name of the club.

A new organization has been formed this past summer called "Friends of the Indian Mounds," whose purpose is to work for and raise money for the Mounds. At the next meeting on Thursday, October 10, in the multi-purpose room of the museum the main item of business will be the presentation of the constitution for adoption with the program consisting of a slide presentation of the excavation of 1964. The time is 7:30 p.m. and everyone is welcome.

-Rich Van Beek

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My apologies to Jim and Bertha DeZwaan for omitting their names from the roster of the GRMS members who were present at the national show in Lincoln. They, too, camped in the fairgrounds and we met them several times. From Lincoln they traveled on to Montana to visit their son and family. I'm sure they must have done some rockhounding, although if you have seen Jim's marvelous collection you'd know he really doesn't need any better specimens.

-Ruth Beauvais

WE GO TO THE MUSKEGON COUNTY ROCK & MINERAL ASSOCIATION SWAP

SWAPPING - TALKING - EXPLAINING - INSTRUCTING - LAUGHING - DEMONSTRATING - FUN
That's the story of the Muskegon County Swap as we saw it September 13-15.

Bob and I arrived at the campground in Pioneer Park about 9 p.m. Friday and found the Duprey's already set up. Getting to a site was fun since the park is installing underground wiring and has neat little trenches thru all the roads with planks over them for cars to pass over. It was such a lovely evening and we could hear the waves below on the beach so we had to go and see. At the top of the bank where the stairs used to be we found by using a powerful flashlight that the steps were gone--just a bank one couldn't possibly get up, although it would be easy to get down--just let go. The beach at Pioneer Park has really taken a beating from the high water of Lake Michigan. Marie and Ted had found another spot where we could get to the lake where the wild waves were breaking.

Next morning we headed for the swap area and set up shop. There were people from Indiana, Illinois, Ohio and many Michigan areas. Bob was soon involved in swapping while I set out to make the grand tour to see what was offered. I made slow progress for I found so many people to talk with and so much to look at. Then I had to keep track of the silent auction tables and check on the club booth which had many interesting items. Finally I made the complete circuit and it was Bob's turn and he found the going slow but interesting, too.

By 4 p.m. most of the swappers had finished and were packing up. We gathered in the log cabin to watch a performance of the Maycraft Square-Tappers, a group of youngsters from 4 to 14 who tap their square dances with real rhythm. They gave a fine exhibition and since I love square dancing, I was enthralled.

After dinner we went back to the cabin for a cracker barrel session with Dick Matych as toastmaster. A gentleman from Adrian, Michigan, gave a very interesting program of a trip through an onyx cave in Alabama. Coffee, crackers and cheese--very good cheese--ended the evening. Except that again we had to see the beach--we could hear the waves pounding on the shore. A strong wind was blowing and the sand stung our faces, so we soon turned back.

Sunday was bright and sunny--calling me back to the beach. Guess you can tell I have a love affair with Lake Michigan. This time I gathered driftwood, was joined by Bob, Ted and Marie, then we had lunch and went back to swap. There were more people and the auction tables were busy, and there seemed to be more non-rockhounds or beginning rockhounds present. The prize swapper had to be the son of the Beckman's from Kalamazoo who were next to us. He traded constantly, usually doing better each time.

Shortly after 4 p.m. the raffle prizes were awarded--two lovely hand-crafted rings--which we didn't win. Then it was supper, packing and back to Grandville and unpacking. We couldn't have had a nicer weekend, better camping companions, or a more pleasant experience. The Muskegon Club knows how to handle an outdoor swap.

-Ruth Beauvais

BULLETIN BOARD

THE ROVING EYE

Steve and Joyce Tchozeski have been rock hunting. Our mail brought us a rock-shaped note which says: "Guess what we found under a rock?"

Specimen's name: Tasha Marie

Date and time found: Sept. 17, 6:22 p.m.

Vital statistics: 6 lb., 6½ oz.,
20½ in. long

It's a conglomerate of Steve and Joyce Tchozeski.

Field notes: A valuable specimen that we will love and cherish forever!

Our congratulations to the proud rockhounds for their wonderful find, and also to the grandparents, Betto and Henry Tchozeski.

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Congratulations are in order for Sue and Marv Schroeder on the birth of a son, Mark Lewis, on September 25. Mark weighed in at 8 lbs., 14 oz. and joins a brother, David.

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It appears we have a junior junior rockhound group starting!

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THE MINERAL STUDY GROUP will meet at the home of Arnold and Elsie Wandt, 439 Parkside NW, on Wednesday, Oct. 16, at 7:30. Elsie will show slides of their western trip and plans for future study will be discussed. Incidentally, Arnie has been severely restricted as far as activities are concerned, and we hope we will soon be able to resume his active life. You've just got to take it easy, Arnie!

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FOR SALE at very reasonable prices, a number of good quality mineral specimens. Call for further information.

-Thea Fleming, 241-3854

SCANS THE NEWS. . . .

The Ultimate Collection - David Wilber acquires the fabulous mineral collection of Dr. Peter Bancroft (Oct. Rock & Gem) Color pictures of several of the finest pieces.

Chinese snuff bottles - by Wayne D. Hadley, with color pictures (Oct. Rock & Gem)

Rockhounds and the Desert Management Plan - by Mary Frances Strong. An explanation of the BLM Plan and how it affects our collecting rights. (Sept. Gems & Minerals)

SILVER, The Second Great Measure of Value - a series on this valuable metal with many illustrations (Sept. Rick & Gem - Oct. Rock & Gem)

INTERPRETIVE CARVINGS - June Culp Zeitner writes about the award winning work of Donald Diller of Fort Wayne, Indiana. His "Blue Herons" were displayed at the AFMS Show at Lincoln, Neb. Lapidary Journal, Sept.)

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LAPIDARY TIPS SEEN AT THE TOLEDO SHOW

Flowers made from triangular pieces (could be made from slab trimmings) with a center added of rock or non-rock pieces. Stems of wire or yarn. These could be made into pictures.

Slab easels made from drapery hooks. These can be bent to hold the slab up high as a picture (jasper or chicken track) or low for a larger slab.

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SAFETY TIP Those who go into a thing head-first, usually come out of it feet first.

SECRETARY'S SUMMARY - BOARD OF CONTROL MEETING, September 16, 1974

We Board met at the home of President Don Bowers. Those present were Rick O'Beshaw, Roger King, Ted and Marie Duprey, Bob Beauvais, Ruth Steele, Rich Van Beek, Marilyn Arnold, Dorothy and Art Ferguson; and Faye King, Mabel Bowers and Ruth Beauvais, who was appointed secretary pro-tem in the absence of Marion Jennings.

The minutes of the last meeting were approved and the treasurer's report accepted. The books have been audited and the corrected balance for August was \$220.85. A vote of thanks was given Ted Duprey for the audit.

After discussing the scholarship fund and the Les Pearl Scholarship (which has not been awarded the past two years) Bob Beauvais volunteered to get some information about a conservation camp held at Ludington which appears to be for junior high and high school students. Moved by Van Beek that for this year the coffee money be designated as a Scholarship Fund and disposition be made between a local scholarship and the AFIS Scholarship Fund in the spring, supported and carried.

No teacher has been found for an adult course in geology so far. The program chairman was budgeted \$75 for programs for the year.

A field trip via bus is being planned to Cranbrook Institute in Bloomfield Hills in January. Bob Beauvais is to request the holotype fossil display of the MMF for our spring show.

It was decided to list our club in the Page Rockhound Directory and a notice will appear in the GLACIAL DRIFTER so members can send in a listing if they wish.

We have a gift of 56 specimens from Marion Jennings. We will try to get a suitable box for them and they will be kept in the club to be used by members who are giving talks for schools, etc. Moved by Rich VanBeek, supported and carried that we extend a vote of thanks to Marion.

Marilyn Arnold requested permission to appoint Wendy Penning as her library assistant and permission was enthusiastically granted. Our October program will be by Don Clarke on the Michigan Copper Country. Marvin Schroeder will be chairman of the November Silent Auction.

Moved, supported and carried that we print copies of the new constitution as soon as the typist can manage it.

-Ruth Beauvais, Secretary Pro-Tem

TREASURER'S REPORT

Balance on hand, September 1, 1974	- - - - -	- \$ 220.85	
Receipts: Rock Swap	15.29	Disbursements:	
Memberships	147.00	Raffle Prizes	5.72
Raffle	17.50	Aug. service charge	.85
Decals & Patch	3.10	Museum attendant	5.00
Flower arrangements	8.00	Bixby-book	8.00
Advertising ('73-'74)	60.00	Postage	1.00
Coffee & cookies	4.94		20.57
Savings interest	9.38	Balance, Sept. 16	\$ 465.53
	265.21		

-Rick O'Beshaw, Treasurer

LABOR DAY IN BROWN COUNTY

Rich Van Beek was our leader for this Labor Day week end field trip. He suggested we meet at Sering's Rock Shop north of Bean Blossom, Indiana at 2 p.m. Michigan time. This is one of the best rock shops we have ever seen, both from the standpoint of quality and price. We were flabbergasted at the amount of rough cutting material in back of the store--one entire table of tourmaline. Wow!

Anyway, Rich drove in with the boys at 3 p.m. and, after they stopped for lunch, we headed for Bear Creek. Pickings were fairly good and Pat found a large brachiopod.

On Sunday we met at the courthouse in Nashville where we got some sad news. Tom Sherry had brought along a friend, Billy Toppel. Billy called home Sunday morning and learned that his mother had an auto accident and was in critical condition, so he had to go home right away. So Rich took Billy and Tom back to Grand Rapids leaving Rick in charge.

After they left we decided to change sleeping accommodations rather than leave Sam and Tom Penning alone. (Sam is Sam Wiersma.) This arrangement was fine with the Hoffman family--who were very enthusiastic about their first field trip--especially since they had been rained out in their tent and everything was just soaked! The Hoffman's stayed in Amity with Sam and Tom Penning stayed in the Holiday Inn with Rick, my cousin, Carole Blum, and I in Bloomington.

Using Ted Duprey's excellent directions, we went down to Henderson's farm on the main road (?) between Leesville and Sparksville. The roads and driveways in the area are literally paved with geodes. The creek was so full it was beyond comprehension. They were very large, too.

One of our high points was when Sam found a snakeskin and showed it all around--that is until Mr. Henderson told him it was a liner of a fertilizer sack!

By Monday, our original band of 12 had dwindled to 4: Pat, cousin Carole, Tom Penning, and Rick. We went to Birdie Galyon Road near Belmont to dig fossils. After about an hour it started to rain and we bid good-bye to Brown County and drove north for eight hours in the rain.

EPILLOG: Next day, after work, Rick was poring over some maps. I said: "What are you doing?" He said: "I'm looking at our next field trip next year--St. Francisville, here we come!" Keep reading the DRIFTER for the further adventures of Rick, Pat and friends. We hope we have a lot of people join us next year.

-Pat O'Beshaw

REMEMBER THAT NOVEMBER IS SILENT AUCTION MONTH - WE NEED YOUR GOOD SPECIMENS, CABS, NOVELTIES, OR WHAT HAVE YOU. IT'S YOUR OPPORTUNITY TO HELP YOUR CLUB.

CLEANING NATIVE COPPERFormula (all measurements by weight):

- 1 part sodium hydroxide
- 30 parts crystallized rochell salt
- 20 parts distilled water

Use glass vessel to hold solution--no metallic, glazed or enamelled dish.

Technique: Suspend the copper specimen by copper wire in cold solution, occasionally raise and lower for inspection. Shortly the solution becomes bluish and the discoloration begins to disappear, revealing the natural red-brown of the native copper. The cleaning may take several hours to complete. When clean, rinse thoroughly in running water, then immerse in clean water for an hour or so. It is said this method gives excellent, safe results. The solution attacks and dissolves cupric oxide (tenerite) but leaves unchanged both cuprite and metallic copper.

-The Pebble Pushers via Rock Rollers

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VOCABULARY BUILDER

Fluorescence: A luminescence originating in substances that are being irradiated by rays of invisible light, like ultraviolet light.

Foliated: Made up of thin leaves, like a mica schist.

Gangue: The minerals of no value that are associated in veins with ore minerals.

Geniculated: Said of "meco-like" intergrowths of crystals, especially common in rutile and cassiterite.

Geode: A rounded concretionary rock mass, often hollow and lined with crystals.

Gilding plane: A crystal direction along which the atoms within a crystal can skip a definite distance without destroying the coherence of the crystal. Best noted in stibnite and vivianite.

Habit: The general shape of a crystal, sometimes long and thin, other times short and flat. Often an indication of the temperature and pressure conditions under which a crystal formed.

Hackly: The fracture characteristic of metals in rock, like gold and copper. Drawn to points as the rock breaks, the metal grains catch the skin as the finger is scraped across a hackly surface.

from ROCK TRAILS

A VOLUNTEER IS SOMEBODY WHO THINKS THAT, IF HE DOESN'T RAISE HIS HAND NOW, HE'LL HAVE TO RAISE THE MONEY LATER.

Midwest Federation's 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 P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 147 - September 1974

Mark Harris reports on the Lincoln show

June 13-16, Lincoln, Nebraska, were the dates for one of the largest shows ever seen among the rockhounds in America. Hundreds of exhibits, both competitive and non-competitive, covered the space of the main exhibit hall and overflowed into the dealers hall. There were about fifty dealers on hand offering just about every kind of jewelry and cutting material and mineral specimens from many countries of the world. As great as the show was, there were more important things for some of us.

On June 12, the American Federation met. The most controversial item on the agenda was a dues increase voted. The new increase was five cents per member. It was understood at the time that it would not take effect until after all the regional federations had met and voted either to accept it or reject it. Later it was decided by the Board of Directors, Midwest delegation not being present, to hold a mail ballot to start it beginning in 1975. Your representatives, President and First Vice President, voted against the measure as had been advocated by the Advisory Committee and Long Range Planning Committee. I am sure that no club in the Midwest Federation would object to a moderate dues increase if it had been explained that all reasonable attempts had been made to cut some expenses not deemed necessary by your representatives. It was not apparent that any attempt had been made to cut what many believe to be unnecessary expenses.

On the same day, AFMS voted that the president appoint a committee consisting of one member from each federation under the chairmanship of Cliff Anthes of Tucson, Arizona. At this writing, a Midwest Federation member has not been appointed. It is hoped this will be done by the middle of July. This committee will look into the matter of the clubs which decide to join a federation outside its territory. The event which raised this question was the announcement that the 1977 National Show and Convention will be held in Ogden, Utah, a North-western Federation Club located in the Rocky Mountain Federation Territory. The same year about seven weeks earlier the Rocky Mountain Federation has scheduled its Federation Convention at Salt Lake City, about thirty miles from Ogden.

The Midwest Federation met on June 15th. Fifty-two per cent of the clubs were represented by delegates or alternates. Minutes of the meeting will be published by the secretary. A few of the highlights were a discussion of the dues increase and a report that Rocky Mountain Federation had selected a representative to negotiate with Midwest on a boundary dispute which has been in the minds of the federation officers for about twelve to fourteen years. The Council Members voted to appoint the
Report...please turn to page 2

Welcome new members

Baraga County Gem and Lapidary Club, Bernard
O. Brockett, President - Aura Road, L'Anse,
Michigan 49946
Mineralogical Society of Cleveland, Paul C.
Clifford, President - 2955 Berkshire Road,
Cleveland Heights, Ohio 44118
Hiawatha Gem and Mineral Society, Herman E.
Lacy, President - 433 Draper Road, McHenry,
Illinois
Belvidere Gem and Mineral Society, Howard A.
Curry, President - Route #1, Box 139,
Belvidere, Illinois 61108
Heights Gem and Mineral Society, Mari Poss,
President - 3565 Lytel Road, Shaker Heights,
Ohio 44122
Michigan Geology and Gemcraft Society, Lee
M. Kirby, President - 3660 Embracadero,
Drayton Plains, Michigan 48020
Lea Area Petra (Rock) Society, Charles O. Ehlert,
President - 151 - 5th Street S.E., Glenville,
Minnesota 56036
Edwards River Earth Science Club, Robert Hoffman,
President - 509 N.E. 5th Avenue, Alledo,
Illinois 61231

New slide program

We would like to announce that we have a new program - "1972 Ispeming Convention and Field Trip" - 100 slides. At this time, we are retiring the "1962 Des Moines Exposition" program. As you know, "Stones in Religion" is retired due to age and "Field Trip to Tri-State Area" was lost in the mail. Very recently we discovered that half a program is lost. Anyone who has seen "Life Revealed in the Rocks", we need the other half. Check your projector. The slides may be in there.

We have gained one program but lost three. How about a club project to give the federation a program? We'd like it.

* * * * *

Please note! All requests for programs should be sent directly to the Program Chairman Donald Stinnett, 29462 Aspen Drive, Flat Rock, Michigan 48134. Please be sure to include the program fee and the exact and complete address to which you want the program shipped. Also, give a choice of programs and alternate dates so that you will be sure to have a program for your meeting. Order at least 30 days in advance as programs are popular and are booked well in advance.

All American Merit Award winners

by June Zeitner

Congratulations to the Midwest Merit and AFMS All American winners, and thanks to the 58 active Midwest Clubs which entered making our federation tops on the list of participants. With almost a quarter of our clubs participating and all of the entries so well done, our judges, the Verne Montgomerys and Earl Cornwells had a difficult, though interesting task. We are indebted to them for the time and effort they spent on this.

Topping our honors list for AFMS is the number one All American Club, the Cedar Valley Rocks and Minerals Society of Cedar Rapids, Iowa. The Midwest Special Merit Award for the most outstanding service project went to West River Earth Science Society of Murdo, South Dakota. Runner up for this award was the Michigan Gem and Mineral Society of Jackson.

Certificates were presented at the Midwest Council Meeting in Lincoln by June Zeitner, Chairman and Mark Harris, Midwest President. La Docia Ellis, AFMS Education Chairman congratulated the enthusiastic Midwest clubs. Trophies were presented at the Awards banquet by Mrs. Ellis for AFMS and Mrs. Zeitner for Midwest, assisted by Dorothy Lee and Mark Harris respectively.

As usual the Midwest winners were cited for specific achievements as well as being judged all around All American Clubs. Following are the winners and the judges comments. Thanks again to all who entered. We are proud of these winners. (Except for Cedar Valley there is no significance in the order.)

CEDAR VALLEY ROCKS AND MINERALS, Cedar Rapids, Iowa. Presentation somewhat rambling, but a careful perusal revealed that this club has apparently earned itself an excellent reputation in its community by the various services it has rendered, namely devoting show proceeds to geology scholarships at the University of Iowa; presenting magazine subscriptions in our field to 8 schools and 2 libraries; giving demonstrations, specimens, and field trips for children and short courses for adults. The club showed good will towards other clubs by initiating a program to eliminate duplication of show and swap dates in Iowa. Diversity of authorship among bulletin items testifies to the high degree of membership participation.

BLOOMINGTON MINERAL CLUB, Bloomington, Minnesota. The presentation was well organized. Judges rated the club's cooperation with the St. Paul Science Museum highly from the standpoint of furthering earth science education. Services to Gillett Children's Hospital not only spread knowledge of gemstones among the children but nurtured the selfless giving without which a club fails to achieve its highest potential in the AFMS tradition.

WEST RIVER EARTH SCIENCE SOCIETY, Murdo, S. Dakota. Presentation admirably succinct. Services performed by this club are maximized by the smallness of membership, only twenty. By its contacts and cooperation with the South Dakota Geological Survey and the U.S. Forest Service, the club has helped to establish an image of rockhounds as serious responsible hobbyists. Erection of the sign on the National Grasslands advising fellow collectors where and what to collect legally was a novel and valuable contribution. Services to schools were also commendable.

MIDWEST MINERALOGICAL AND LAPIDARY SOCIETY

Report ...continued from page 1.

president to negotiate with Rocky Mountain representative on the matter and to place the final vote on the dues increase in the hands of the Board of Directors and the five elected officers. A study will be made of ways to reduce AFMS expenses.

The president reports that progress is being made in the negotiation of the boundary between RME and MWF.

President elect Terry Huizing is attempting to work out a solution with South Central Federation concerning Midwest Clubs located in Arkansas.

The following slate of officers was elected. President,

of DEARBORN, Dearborn, Michigan. Despite a tendency towards over-statement in presentation, this club demonstrated very real achievements, notable gifts of mineral kits of the great Lakes region to twenty schools; displays at libraries and public places, establishment of study groups, wide participation in federation shows and activities. The intellectual curiosity fostered by the club has resulted in a high degree of versatility among members interest and accomplishments.

CENTRAL MICHIGAN LAPIDARY AND MINERAL SOCIETY Lansing, Michigan. Presentation well organized, with strong supporting data. Under the direction of a central education chairman, members expert in a particular branch of lapidary or earth science taught groups of other members on a regularly scheduled basis. The club underwrote one half of the tuition fee for members who enrolled in a special geology course at Michigan State. Support of education was further demonstrated by gifts of scholarships to M.S.U. and Lansing Community College. A novel and imaginative item in the clubs service program was rock and mineral specimen gifts sent to host families in foreign countries by Youth for Understanding students.

HONORABLE MENTIONS: Lincoln Gem and Mineral Club, Lincoln, Nebr.; McDonnell Douglas Gem and Mineral Soc. St. Louis, Mo.; Michigan Gem and Mineral Society, Jackson, Mich.; Ozark Earth Science Club, Mountain Home, Arkansas. Pike County Mineral and Gem Club, Bowling Green, Mo.; Northwest Wisconsin Gem and Mineral Club, Rice Lake, Wis.

Midwest Federation Merit Award: **WEST RIVER EARTH SCIENCE SOCIETY**, Murdo, South Dakota. The club showed its zeal to help other collectors and the public find minerals and gems within the framework of federal regulations by erecting a regulation Forest Service sign on National Grasslands advising what materials may legally be collected there. The club officers and members also provided field guidance and information for the National Geographic article "The Glittering World of Rockhounds" which gave favorable publicity to the hobby of rock and fossil collecting by amateurs.

Runner up: **MICHIGAN GEM AND MINERAL SOCIETY**, Jackson, Michigan. Although the '73 activities of the club did not include any dramatic or novel project, the judges were impressed by the extraordinary energy and time which members expended in lecturing and demonstrating to schools, hospitals, museums, scouts and other organizations and groups. A great and coordinated educational effort.

Holotype fossils

Thanks to Cecilia Duluk and her committee, the Midwest Federation now owns a permanent display of holotype fossils, each one of which was named for a member of the Midwest Federation.

The holotype display is composed of 9 marlite panels, aluminum framed, easily detachable, and each 32" x 42".

This holotype display is under the jurisdiction of the Special Display committee and may be borrowed for display at shows by clubs by contacting the new committee member, Richard T. Johannesen, Curator of Holotype Display, 1508 W. 38th St., Davenport, Iowa 52806 and by paying the freight both ways. We do hope clubs will make use of it. - Mary McNamar, Special Displays Chairman

Terry Huizing, Cincinnati, Ohio; 1st Vice President, Howard J. Taylor, Lincoln, Nebraska; 2nd Vice President, Miss Hazel Kuntz, Quincy, Illinois; Secretary, Miss Jean Reynolds, Clarendon Hills, Illinois; Treasurer, Mrs. Joseph McCloskey, Elm Grove, Wisconsin.

President elect Huizing will be seeking committee chairmen to fill vacancies that will occur. Also three or four state directors are to be appointed due to expiration of terms and resignations. If Terry calls on any of you to fill one of these jobs, please consider very carefully the call to serve your hobby to the extent of your ability. If you have been selected, it is sure that someone has nominated you because he or she feels that you can do that job.

Junior activities

reported by Diane Dare, Junior Activities Chairman

A pat on the back from the Junior Activities Committee to: Jane Arney and Sandra DeNudt of State Line Gem and Mineral Society of Michigan who arranged for a special Children's Table at their club's big annual swap. Bidding was open only to those 12 and under to "give younger ones a chance to learn how to bid and find out what fun it is getting into a Silent Auction".

Edward Wilder, Junior Advisor for Racine (Wisc) Geological Society, Instructor of Lapidary at Wustum Museum of Fine Arts, conducted enrichment classes in lapidary for a group of eleven-year-old inner city students. He provided portable equipment and directed classes during which children cut and polished several stones in different shapes and materials.

A new Junior Activities Manual is now available. Copies will be sent to all clubs with junior members listed in the Directory. If you or your club would like a copy and have not received one, contact Clinton Heckert, Director of Supplies, 725 Stewart Street, Elgin, Illinois 60120. The first copy is free, additional ones \$1.50. Resource lists, program and project suggestions, sample agenda, etc. are given.

Bulletin winners

At the National Show in Lincoln, Nebraska, the Midwest Federation announced thirteen winners in their annual bulletin contest.

1. THE GEODE, Willis D. Smith, Editor - McDonnell-Douglas Gem & Mineral Society, St. Louis, Mo.
2. MAGMA, Mrs. Eleanor Lasiewicz, Editor - Lake Erie Gem and Geological Society, Lorain, Ohio
3. THE PYRITER, Willard Lamb, Editor - Dallas County Rock Club, Adel, Iowa
4. S.I.E.S. CLUB NEWS, Diane Dare, Editor - Southern Illinois Earth Science Club, Benton, Illinois
5. FLINT ROCK & GEM CLUB NEWSLETTER, Betty Fought, Editor - Flint Rock & Gem Club, Flint, Michigan
6. OZARK EARTH SCIENCE NEWS, Bernice Rexin, Editor - Ozark Earth Science Club, Mountain Home, Arkansas
7. GEM CITY ROCK NEWS, Rita C. Hagerbaumer, Editor - Gem City Rock Club, Quincy, Illinois
8. THE GLACIAL DRIFTER, Arthur A. Ferguson, Editor - Grand Rapids Mineral Society, Grand Rapids, Michigan
9. THE ROCKPILE, Joyce Hanschu, Editor - Midwest Mineralogical & Lapidary Society of Dearborn, Dearborn, Mich.
10. TULIP CITY CONGLOMERATE, Bette Smith, Editor - Tulip City Gem & Mineral Club, Holland, Michigan

1. FLINT CHIPS, Peg Crow, Editor - West Central Ohio Rock Club, Lima, Ohio
2. PICK 'N' POLISH NEWS, Roberta L. Smith, Editor - Pick 'N' Polish Club, Houghton Lake, Michigan
3. FACETS, John Larsen, Editor - Huron Hills Lapidary & Mineral Society, Ypsilanti, Michigan

Walter H. Steinbrenner

It is with deep regret that we note the passing of Walter H. Steinbrenner in this issue. "Walt" was the husband of Katharine Steinbrenner, a past president of the AFMS and well known to hundreds of rockhounds throughout the country.

Services were held on May 16 at Merle Hay Funeral Home in Des Moines, Iowa.

Walt will be sorely missed by his numberless friends.

Mrs. Helen Greer

We express our deepest sympathy to Russell Greer, former state director of Michigan, on the loss of his wife. Mrs. Helen M. Greer, former secretary of the federation, passed away on June 23rd and was buried on June 27th.

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Issue No. 148 - October, 1974

What about 1980?... and 79?

by B. F. Parr

Back in 1968, the National Show at Normal had been over less than two months when the Lincoln Gem and Mineral Club made a firm bid for 1974. Those of you who were at Lincoln in June saw what almost six years of planning and work can produce. What club would like to make a name for itself by hosting the next American Federation Convention and National Show in the Midwest in 1980? We hope some clubs have been thinking about it. Sure, there is a lot of work involved but it is a real challenge and can be a great unifying and strengthening force to a club.

We will also need a host for the 1979 Midwest Federation Convention and Show. Cedar Rapids, Iowa is, at present, the only bidder for 1978 and this will be decided at the 1975 Council Meeting in Detroit during the show there October 9-12. St. Louis is host in 1976 on July 22-25 and we will be in Dayton, Ohio in 1977 with the dates not fixed as yet.

It has been customary to select the MWF Convention and Show site three years in advance. However, a bid for the AFMS Convention and National Show, if suitable, may be approved earlier due to the larger size and extra features. The Convention and Show Advisory Committee will answer questions and furnish information to any club interested in either a Federation show or the big one in 1980. Write to the Chairman - B. F. Parr, 1488 Marion Avenue Road, Mansfield, Ohio 44906.

Announce 1975 bulletin contest

For the 1975 MWF Bulletin Contest, two issues will be used for judging. It will be necessary to send three copies of each of the issues chosen. It has been suggested by many of the MWF editors that two copies be used in judging. This, I believe, will be a more fair way to judge because what is left out in one issue may be printed in the second one. This should give a better "overall picture" of what the editor has printed, by using the two issues.

May I suggest that you save now three copies of each issue printed from March 1974 to Dec. 1974. It seems that so many editors do not save a copy and put it into a folder to keep for the contest. Several editors who entered the 1974 contest had to "dig some up" from members in their club. This seems very strange to me that the editors do not print extra copies of their bulletin. I always print at least 25 extra copies of each issue published. The cost is very small, and it saves a lot of time and trouble. Quite often, someone will write and desire a copy of Vol. ____ No. _____. I am still receiving subscriptions to the BEN., asking for the first issue of Vol.2.

The issues to be judged will be announced later this year. One issue will be picked from the months of March, April or May 1974, and one from September, October, November and December, 1974.

- Paul Good

New fossil list available

A new manual, the "Approved Reference List of Classifications and Common Names for Fossils" is now available. In April 1974, each Club, State Director, Assistant Director and chairmen of all MWF committees were mailed a copy. This new booklet is a must for anyone who collects and exhibits fossils.

*It is available from the Director of Supplies,
Clinton Heckert, 725 Stewart St., Elgin, Ill. 60120.
Price is 50 cents per copy plus 20 cents for postage and handling.*

11 of 21 MWF trophies awarded in Regional competition

by B. F. Parr

Eleven of the twenty-one available Midwest Federation Trophies were awarded for exhibits in Regional Competition at the National Gem and Mineral Show, Lincoln, Nebraska June 13-16. This is rather disappointing to the Uniform Rules Committee but one reason, perhaps, is that many regular exhibitors have already qualified for direct entry into AFMS competition. There were no entries for six trophies and the one entry for another trophy had to be disqualified because the exhibitor's name was left in the case. There were 151 competitive exhibits and 48 of these were for Direct Entry in AFMS Trophy Competition. These winners were presented with their trophies by Barney Parr, MWF Uniform Rules Chairman, at the banquet, Saturday, June 15. They are to be congratulated as competition was tough.

1. Minerals - Glenn R. Bolick, Hickory, North Carolina - Catawba Valley Gem and Mineral Club
3. Thumbnail Minerals - Kathleen Bolick, Hickory, North Carolina - Catawba Valley Gem and Mineral Club
5. Minerals, Junior Group - Ernest A. Holloway, Jr., Wichita Falls, Texas - North Texas Gem and Mineral Society
6. Lapidary - A. S. Bryant, Hanland, Kansas - Southwest Kansas Gem and Mineral Society
7. Cabochons - Kenneth A. Boulter, Glen Burnie, Maryland - Chesapeake Gem and Mineral Society
8. Specialized Lapidary - Raymond A. Karr, Warren, Ohio - East Ohio Lapidary Club
11. Fossils - Bessie G. Hall, Sarasota, Florida - Tampa Bay Mineral and Science Club, Inc.
13. Jewelry and Metalcraft - Marion J. Packer, Sparks, Nevada - Reno Gem and Mineral Society
14. Educational - Harold J. Harder, Wauwatosa, Wisconsin - Wisconsin Geological Society
15. Educational, Junior Group - Bruce Lauer, Villa Park, Illinois - Earth Science Club of Northern Illinois
18. Archaeology - Dr. A. H. Schoondemark, Fort Collins, Colorado - Cheyenne Mineral and Gem Society

Fall Executive Committee meeting planned for Nov. 2

The Midwest Federation will hold the annual fall meeting of the Executive Committee on Saturday, Nov. 2 at the Howard Johnson Motor Lodge, Hammond, Ind.

Those planning to attend are urged to make reservations early. Special room discounts will be available at the Howard Johnson Motor Lodge.

Sales will benefit Scholarship Foundation Fund

Specimen file cards available

Frank Sadelik, a long time member of Central Iowa Mineral Society, Des Moines, Iowa, died some months ago in his early nineties.

For many years Frank had been associated with a local printing and stationary firm and had originated a specimen file card of which he sold hundreds throughout the nation through advertisements in various newspapers and magazines.

The administrator of his estate discovered a quantity of the cards and contacted some Des Moines rock and mineral collectors to determine what disposition should be made of them. It was suggested that they be sold to rock and mineral collectors and that the money from the sales be contributed to the American Scholarship Foundation fund in Frank's name. The administrator approved the suggestion and turned them over to the Midwest Federation for the sale.

The cards will be sold in lots of 100 at a cost of \$1.75 postpaid anywhere in the United States. When placing an order, include check made payable to the Midwest Federation, complete name and address to where the cards are to be mailed. Send your order to Clinton Heckert, Midwest Federation Director of Supplies, 725 Stewart Street, Elgin, Ill. 60102

Welcome New Members

Stone Head Lapidary and Mineral Club, Leslie
Baker, Pres., Lakeview Drive, Ontonagon,
Mich.

Bloomington Gem and Mineral Society, Ms.
Kathryn Lott, Pres., 3141 Kingsley Drive,
Bloomington, Ind. 47401

Anoka County Gem and Mineral Club, R. C.
Dunn, Pres., 6417 Georgia Ave. No.,
Minneapolis, Minn 55428

Specimen Name	Specimen Number
From What Location	General Description
Obtained From	Hardness
For Tech. Information See	Spec. Gravity
Duplicate Specimen No.	Color
Igneous Sedimentary Metamorphic	Luster
Chemical Content	Cleavage
Remarks	Fracture
	Size, approx. ("")
	Weight approx.
	Fluorescent
	Est. Value
	Cost in Code

Card shown 2/3 actual size. Full size of card is 4x6

Scholarship award

1974 is the tenth year it has been possible for the Scholarship Foundation to grant earth science scholarships. From a modest beginning in 1965 when one \$300 scholarship was offered for two years of graduate study, the Foundation is now in its third year of granting six - one in each of the six Regionals of the American Federation.



The Honorary Plaque winner in the Midwest Federation was Dr. Paul Edwin Potter, Professor of Geology, University of Cincinnati. Dr. Potter is a native of Springfield, Ohio and received his degrees in geology at the University of Chicago. He was professor of geology at Indiana University and has been professor of geology at Cincinnati since 1971. An outstanding authority on sedimentary geology, he has co-authored a number of books, several of which are widely used in college

courses.

Dr. Potter has selected Wayne R. Goodman to receive the grant. Goodman was born Oct. 10, 1951 in Elyria, Ohio. He received his B.S. degree at Ashland College in 1972 with nearly straight A's. Since the fall of 1972 he has been at the University of Cincinnati working on his Ph. D.

JUNIOR MEMBERS

from Diane Dare
chairman, MWF Junior Activities Committee

Where will your future members come from? The active involvement of Junior Members depends on the activities of your club, but if the youngsters are involved NOW, when they "graduate" and become adult members, they will remain active and involved. The Juniors are your club's lifeline!

CENTRAL MICHIGAN LAPIDARY AND MINERAL SOCIETY

PRESENTS ITS 9th ANNUAL

Gem and Mineral Show

"A thing of beauty —"

EXHIBITS

DEMONSTRATIONS

FLUORESCENT DISPLAY

SUPERVISED SWAP

RELIABLE DEALERS

SILENT AUCTION

CHILDREN'S TABLE

DOOR PRIZES

1974

FRI., OCT. 25 5 P.M. — 10 P.M.

SAT., OCT. 26 10 A.M. — 10 P.M.

SUN., OCT. 27 10 A.M. — 6 P.M.

ADULTS, \$.50

TEENS, \$.25

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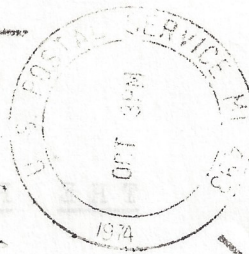
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