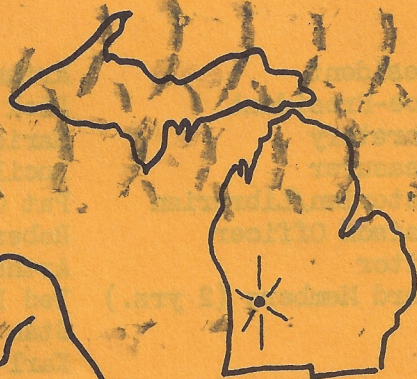


OCTOBER 1976



GLACIAL THE DRIFTER



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	Roger King	1957 36th SW, Wyoming	532-6239
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- - - - -			
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Programs	Rick O'Beshaw		
Publicity	Ruth Steele		
Hospitality	Ruth Beauvais		
Sunshine	Faye King (532-6239) and Lucile Pearl (453-1069)		

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 in the area as announced.

Membership dues are \$6 per year for a family; \$4 per year for a single adult and \$2 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. Those joining during the period from September through February shall pay dues for the full year; those joining the club from March through July shall pay one-half the amount of the yearly dues. Unpaid memberships will be dropped from the roll in December.

Advertising in THE GLACIAL DRIFTER is limited to a uniform size of one-third page at a 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 address all exchange bulletins to:

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

cover design by Robert Beauvais

THE GLACIAL DRIFTER

VOLUME 19

NO. 2

OCTOBER 1976

CALENDAR OF EVENTS

- October 13 Regular Meeting - 7:30 p.m.
Multi-Purpose Room, Grand Rapids Public Museum
Program: "BANCROFT AND THE GEMBOREE"
- October 18 Board of Control Meeting at Arnold Ballast's
- November 6 Joint Rock Swap with Indian Mounds Rock and
Mineral Club, Gaines Township Hall beginning
at noon - pot luck supper at 5:30 p.m.
- November 10 Annual Silent Auction

AREA SHOWS AND SWAPS

- Oct. 15-17 Detroit, Mi. Michigan Mineral Society Show, Detroit Light
Guard Armory, 4400 E. 8 Mile Rd.
- Oct. 16-17 Blossomland Gem & Mineral Society Rock Swap at Camp Warren,
on U.S. 33 at Pier Rd., 8 mi. north of Benton Harbor, Mi.
- Oct. 22-24 Lansing, Mi. Central Michigan Lapidary & Mineral Society
Show, National Guard Armory, 2500 S. Washington
- Nov. 6 Joint Swap with Indian Mounds Rock & Mineral Club
- Nov. 6-7 Bay City, Mi. Tri-County Rocks & Mineral Society Show
Bay County Community Center,

PREZ - ED SEZ

We started the Fall Show Season by spending the weekend at the Toledo Show and the Toledo Air Show. With a double header like this, how could we stay home? And we also have relatives in the area. The Pochay's, editors of the Toledo "Rocky Reader" and local dealers are friends. And we have other dealer friends to swap stories with when sales are a little slower. Steve Torda, a renowned carver, is also interesting to watch and to talk with. Rockhounds are the friendliest people.

By the time you read this, we will have been to the Holland show as well. Another time of greeting friends. Be sure to try this facet of the hobby. It may surprise you to see how much fun this is!

It is also a busy time for our club. We have the Joint Rock Swap on November 6 and our Annual Silent Auction on November 10. So start packing and sorting so you will be ready for these two BIG events. This year selling will be allowed at the swap with 10% going to the clubs for expenses. This is the same idea used by the Muskegon County Club for several years and seems quite fair. The silent auction splits 50-50 with the donor (if the donor wishes). Dig out your surplus good material and get ready for a fun-filled rocky time.

-Art

Several new appointments have been made...

Field trip chairman - Arnold Ballast
 Silent Auction chairman - Henry Tchozeski
 Refreshment Chairman - Doris Conway
 Raffle Chairman - Faye King
 Christmas Pot Luck - Ruth Beauvais (I'm looking for
 someone to help me - call me!)

RAFFLE

Faye King, our new Raffle Chairman, tells us she has a nice book for the October raffle - COLOR TREASURY OF CRYSTALS - given by Arnie Ballast. And there will be some other surprise. She needs help with the raffle, though. Wouldn't it be nice if every member would give just one raffle or door prize during the year? Especially if someone had made it himself. like a cab, or - you name it.

By the time we learned that George Walcott had been in the hospital, he was out. He has done very well and just gone back to his part time work at Metcalf Mortuary. How glad we are he has done so well.

A GOOD LAUGH IS SUNSHINE IN A HOUSE.
 -Thackeray

THIS MONTH MEETING

TWO FEATURES. . . .

FIRST: NEW DIMENSIONS OF THE GRAND RAPIDS PUBLIC MUSEUM

A short presentation by W. D. Frankforter, Director
(learn first-hand about all the new changes)

SECOND: BANCROFT AND THE GEMBOREE

Rick O'Beshaw will present a slide program on this famous Canadian Festival -- swapping, dealers, midway, field trips.....And there's something about a Canadian white water float trip which sounds rather damp....then a short preview of the Headley Museum. Pat O'Beshaw will bring her pictures taken on the trip while Tom McLean will display some of the treasures and specimens he acquired at Bancroft.

FIELD TRIP

Bet you didn't know we were having one! Well, this is a do it yourself type of thing. . . . Make a visit to the nearby show of your choice and study the educational displays. Also look at the fine mineral exhibits and note which crystal system each belongs to...try to identify them before you look at the labels. It's going to surprise you to note how much you can learn this way!

A ROCKHOUND'S THEME SONG. . .

Give me my rock hammer, the mountains, the desert
and a beautiful woman as a partner -
And you can have my rock hammer, the mountains
and the desert.

-ROCK ROLLERS

-- THE BUSINESS SIDE --

BOARD OF CONTROL MINUTES. . .

The September meeting of the Board of Control was called to order by Arthur Ferguson, President, at the home of Roger and Faye King on Monday, September 13, 1976.

Present: Arthur Ferguson, Rick and Pat O'Beshaw, Robert Beauvais, Ruth Steele, Karl DeBack, Roger King, Arnold Ballast, Lucile Pearl and Marion Jennings. Also present were Dorothy Ferguson and Faye King.

The minutes of the August 16 meeting were read and approved. The Treasurer's report, showing a balance of \$476.63, was read and accepted on motion by Rick O'Beshaw, seconded by Roger King. Question was raised as to whether the club is paying the msueum for one locker or two. The President will check this.

Faye King is to be Raffle Chairman.

Jim VanderMey is to be in charge of name tage. Rick O'Beshaw moved that the Club purchase a new label maker. Bob Beauvais seconded the motion and after discussion offered an amendment to the motion that it be left to the discretion of the buyer as to the size and type of print. The amendment was seconded by Ruth Steele and adopted. After which the first resolution was adopted.

The silent auction was then discussed and suggestions were made of ways to improve the conduct of the auction.

It was then brought to the attention of the Board that the Club had no program for helping new members who come to the meetings hoping to learn something about rocks, minerals and crystals. The matter was discussed at length and will be brought up again.

The President called for the designation of the coffee money, which amounts to

\$145.05. Rick O'Beshaw moved that we divide the coffee money, \$75.05 to be put into the Memorial Scholarship Fund of the Club and \$70. to go to the AFMS Scholarship Fund. Bob Beauvais seconded the motion, which was adopted.

Arnold Ballast invited the Board to meet at his home in October.

The meeting adjourned for refreshments at 9:30 p.m.

Respectfully submitted,
Marion Jennings
Secretary

TREASURER'S REPORT

Balance, Aug. 13, 1976 \$372.98

Receipts:

Refund 1/2 shipping charges	10.82
Cookies	15.21
Raffle	13.00
Membership	186.00
	<u>225.03</u>
	598.01

Disbursements

Attendant	5.00
President's gift	6.95
Postage - Glacial Drifter	69.50
Postage - treasurer	2.99
State of Mich. - filing	10.00
Equipment	4.94
Locker rent to museum	<u>24.00</u>
	123.38

Balance, Sept. 13, 1976 \$ 474.63

Respectfully submitted,
Thea Fleming

DUES ARE DUE

DUES ARE DUE

DUES ARE DUE



MINERAL OF THE MONTH ---

The quartz family includes crystalline and cryptocrystalline varieties found in sedimentary, igneous, and metamorphic rocks. Many of these are of commercial importance as well as the cut gems prepared from them which command a higher price. There is scarcely any spot on the globe where quartz cannot be found in some form. Being hard and durable, quartz outlasts many other minerals. It has a hardness of 7, can be crystal clear to milky white, yellow, brown, a very black-brown, lavender, pink, red, and a host of other colors. Quoting John Sinkankas, "despite their abundance, the finest quartz gemstone varieties are not to be despised for they possess much beauty, are durable, and in some instances, provide gems so unique that no other species is capable of matching them." The cryptocrystalline varieties are only translucent at best and thus find major employment in cabochons, carvings and other applications in which transparency is not essential.

The term quartz to most people means the extremely common milky to grayish material which forms veins and seams in many kinds of rock. The somewhat old-fashioned name for quartz is silica descending from the Latin silex meaning "flint." The name of the element silicon has been taken from this root, generally refers to the presence of quartz. The word silicate refers only to special combinations of silicon and oxygen in the atomic structures of silicate minerals. Thus, the chemical formula for quartz is SiO_2 .

AVENTURINE - A crystalline quartz of granular structure, permeated by numerous minute crystals of foreign minerals, such as small platelets of mica, hematite, or goethite, each minute crystal reflecting a spark of light and imparting a spangled effect. Aventurine is basically green in color sometimes

grading into a bluish tinge.

JASPER - The word jasper is used to designate those impure kinds of chalcedony in which concentric banding is absent and translucency much impeded by the presence of opaque earthly impurities. There is not a clean-cut division between jasper and chalcedony as many specimens will grade from a pure chalcedony of the agate variety into the extremely dense structure of the jaspers. Yellows, browns and reds are the predominate colors, but do not exclude greens, blues and blacks.

RUTILATED QUARTZ - Crystalline quartz is noted for another aspect of its character which leads to the growth of crystals in which fantastic and strange, but also beautiful inclusions are noted. As these crystals grew, they permitted foreign minerals to develop simultaneously upon their surfaces but later were entombed forever by the crystal quartz. This variety is known by the enclosed crystals such as rutile (rutilated), tourmaline (tourmalinated) and other hairlike minerals (sagenite).

PRASE - The variety of quartz that has the inclusions of millions of grayish-green actinolite produce this very dense variety.

TIGER EYE - If the inclusions are arranged in parallel streaks or sheets and exhibit a decided silky luster, strong chatoyancy results in the variety known as tiger's eye, hawk's eye, and falcon's eye. Tiger eye is the brownish-yellow variety found in great abundance in Southwest Africa. The other two varieties are found in the same deposit and differ in appearance only in being grayish-green or grayish-blue. All three owe their fibrous

(next page, please)

QUARTZ (concluded)

structure to a replacement of blue asbestos (crocidolite) by quartz, the yellowish kinds representing asbestos which has been more or less completely altered to iron oxides before being replaced by quartz. Some tiger eye can be successfully treated by heat to a beautiful red. A very similar quartz material found in iron deposits in Minnesota is called binghamite and silkstone. Although tiger's eye and its close relatives are only translucent at best, some crystalline quartz such as rose quartz and rock crystal sometimes contain fine needles which in themselves are highly translucent and permit the perfect display of a single brightly-reflective light streak and are known as catseye.

ROSE QUARTZ - is a distinctive variety of crystalline quartz of a pale to rich pink. It is most frequently found as large masses and is distinguished from other varieties in that it very rarely exhibits crystal faces. Small crystals have been found in small areas and are in great demand by collectors. It sometimes occurs clear enough to facet but the stones are not very brilliant because of the profusion of microscopic acicular inclusions which impart a decided milky cast. Investigations indicate that these fine needles are rutile and when correctly arranged within the quartz give rise to asterism in cabochon gems.

AMETHYST - The best known and best loved in the quartz family. It occurs in a light purple (Rose de France) to the dark and beautiful purple or violet. The darker and most wanted colors will show a flash of red at the facet ends. As a general rule, amethyst seldom occurs in large flawless crystals and therefore cut gems tend to be rather small. Unequal color distribution is also a common fault and further decreases the likelihood of obtaining large gems of uniform coloration. Heat treating can improve the color but care must be taken for some will turn colorless or green (vermine) or even into the

yellow color of the variety citrine.

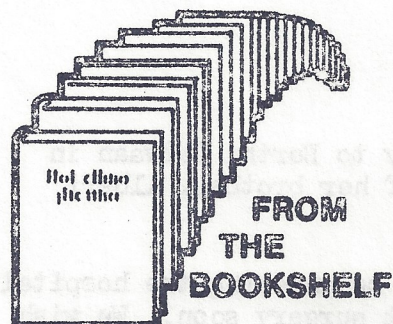
AGATE - Cryptocrystalline quartz is distinguished by the extreme minuteness of the individual crystals. So different is this type of quartz from the relatively coarse crystalline kinds that it is given the general name of chalcedony. Pure or common chalcedony is dull grayish, bluish, or milky material which looks much like congealed wax. Chalcedony in which pronounced color banding occurs is called agate. Agate showing bands which take abrupt and sharp turns is called fortification. Others are called eye, breccia, polka-dot, moss, dendritic, and many others. Most chalcedony is colored by iron oxides in varying concentrations, compounds of other elements may also impart distinctive and beautiful hues. A warm green chalcedony, often very translucent, results from infusion by nickel silicates and is called chrysoprase. A blue green color, a copper silicate, is known as chrysocolla. A dark brown variety enclosing a multitude of spiral shaped sea shells is known as turritella. A variety of chalcedony with a very dense mossy growth and spotted with blood red dots of jasper is known as bloodstone.

-submitted by Elery L. Holt
THE ROCKY READER

- - - - -

In THE MAIL BAG edited by June Culp Zeitner in the Lapidary Journal for September we find a letter from Herm Prins published. Herm wrote about the bill now in the Michigan Senate concerning a state mineral for Michigan. He gives several reasons for choosing copper. In her answer June mentions: "Seems like I read another great copper boulder was recently found (like the famous Ontonagon boulder) Michigan certainly has a rich and fascinating mineral history." The boulder she mentions was on exhibit at the show in Marquette this summer. We saw it and it is big! - rather flat - and heavy, with two small bits of silver on the surface.

-Ruth Beauvais



Many of our newer members may not be aware of the existence of the club library. There have been many additions recently. Librarian Pat O'Beshaw has been busy cataloging and has given us the list below.

We also have a black light that is loaned out a month at a time as are the books. Check your rocks for fluorescence. It may open a new field of collecting for you. Some of our local gypsum will fluoresce as will some of the septaria from the Holland area.

NEW BOOKS OR MAGAZINES

1. Fossils (magazine)
Wexo Publishing Co.
2. Copper Mines of Michigan - Don Clarke
 - No. 1 United States Mineral Agency
 - No. 2 Star Copper Co.
 - No. 3 Clark Mining Co.
 - No. 4 Lake Superior and Phoenix Mining Companies
 - No. 5 Pittsburgh and Boston Copper Mining Co.
 - No. 6 Copper Falls Mining Co.
 - No. 7 Central Mining Co.
 - No. 8 The Eagle Harbor Mining Co.
 - No. 9 Northwest Copper Mining Ass'n.
3. The Gold Mines of Michigan
-Don Clarke
4. Exploring Science in Your Home Laboratory - Richard Harbeck
5. Science in Your own Backyard
-Elizabeth Cooper
6. Crystals and Crystal Growing
-Alan Holden & Phyllis Singer
7. You and the Universe
-N. J. Berrill
8. North Shore of Lake Superior
-E. G. Pye

- * 9. Colorado Gem Trails and Mineral Guide -Richard M. Pearl
- *10. Outlines of Physical Geology
-Longwell, Knopf, Flint
- *11. Elementary Economic Geology
-Ries
- *12. Textbook of Geology Part II
-Schuchert & Dunbar
- 13. 200 Mineral Locations in Southern Ontario - H. Leach

* hard cover books

All these will be ready by the next meeting for the use of members only. Please bring all borrowed books back by the following meeting.

I would like to thank all those wonderful people who donated books to our library. Donors were: Bob & Ruth Beauvais, Arnie Ballast, Edna McDowell, Mary Honton, Rick & Pat O'Beshaw.

-Pat O'Beshaw
Librarian

You like your club?
And enjoy the news?
Then it's time, my friend,
To pay your dues.

bulletin board

I wish to express my gratitude to the members of our club for your marvelous and overwhelming support as demonstrated at the time of Patrick's death.

When the young die it is quite unexpected and at times difficult to accept. I will continue to thank God for the privilege of having had Patrick for a son even though the time was brief.

Thank you.

Herman J. Prins

We have learned that Elaine Smith is in Germany for a visit.

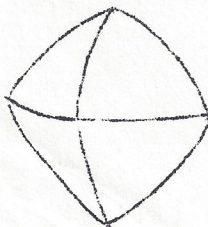
Mary Ellen Merrick, known to many of the older members is now residing in Nunica. We know she will appreciate your visits and cards...

Mrs. H. H. Merrick
Sunshine Christian Rest Home
8761 Cleveland Ave.
Nunica, Mi. 49448

We met her at the Muskegon Swap and it was so good to see her again.
Her phone number is 837-6132 (no toll)

Oh yes! Here's a very important note:

DUES ARE DUE! ! !



A diamond, it should be understood,
Is just a piece of carbon that made good.

Our sympathy to Bertha DeZwaan in the death of her brother, Albert Mekkes.

Bertha will be entering the hospital for cataract surgery soon. We wish her a quick recovery.

Marilyn Arnold is recovering at home after knee surgery. George reports she must be recovering OK -- says she's as ornery as ever. Marilyn was our exuberant raffle chairman for several years. She's also known as an expert petoskey stone polisher and crafter.

Lucile Pearl is recovering nicely from her recent stroke. She was able to attend the last board meeting. We were glad to have her back.

Thea Fleming had a fall -- at home -- and says she has been sedentary for a while.

Rich Van Beek had his picture in the Grand Rapids Press recently...twice in an article about the archeology dig at the deMarsac site.

And Dr. Bob Smith's mother was featured in an article about her time as a missionary in Korea. A very remarkable lady.

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 the Editor, Haydon Peterson, Parrot Printing, 2125 Forest, Des Moines, Ia. 50311

Issue No. 168 - October 1976

4 new programs

Don Sinnett, our MWF Program Chairman, announces four new slide programs have been added to the slide library. "Pewter Puttering" from ESCONI, Earth Science Club of Northern Illinois; "Fluorescence", from the Rock Exchange Club, Garden City, Mich.; "The Field Museum" from Russell MacFall, Evanston, Ill. a Past President of the Midwest; and "Lapidary Arts" from Fairview Lapidary Society of Ohio. All four programs are very well done and are ready for immediate booking by our clubs.

Many of the programs in the library have become unusable and have been taken out of service. Thus the need for new programs is very urgent. Any club which can develop a program is encouraged to do so.

Now effective is a new shipping policy. All programs will be shipped prepaid to you by United Parcel Service. UPS guarantees delivery within two and not more than three days, insures the shipment and obtains a signature when the parcel is delivered. You will be asked to return the program to us by UPS. In rare cases when this is not possible you may return it by the U.S. Postal Service. The UPS service is preferred and should be used.

When you order your program be sure to allow as much time as possible - 60 days is best. This gives us time to book the programs to the best advantage. Please give us a second and third choice so that you will not be disappointed if your first choice is not available for the date you request. With your program request include \$2.00 for each program you order.

Send your request for programs and any information regarding them to Donald Sinnett, 29462 Aspen Drive, Flat Rock, Mich. 48134.

THE DATE IS SATURDAY, OCTOBER 30

It would be pretty hard for the fall Executive meeting to be held on Saturday, October 31, as announced in our September Newsletter. The meeting will be held on Saturday, October 30 in Bloomington, Illinois, as noted in the September issue at the Ramada Inn, two miles west of Bloomington on Illinois 9. This is at the junction of I-55 and I-74.

Executive Council members while in the Bloomington area are invited by Lafayette Funk to visit the Funk Mineral Museum.

MIDWEST MERIT AWARDS - 1975

by June Zeitner, Merit Award Chairman

There were 95 entries in the Midwest Merit Award program this year, an all time record, with 13 of the clubs winning and all clubs receiving participation certificates. An additional certificate of Honor was awarded to South Dakota clubs for the participation of 10 out of 12 clubs. Judges for the Midwest and All American Awards were Leo Yanasak, Clyde Hanson, and Doloris Poffenberger, all of the Des Moines area. Midwest participation was more than half of the total 6 Federation participation in the All American. Winning clubs were all represented at the banquet at St. Louis. Participation certificates of clubs not represented at the Council meeting will be presented by State Directors. Clubs are urged to start now on their entry for next year covering this years activities. Thanks to all who are helping make this program work.

ALL AMERICAN AND MIDWEST TROPHY WINNERS

Michigan Mineralogical Society, Detroit. The club hosted an extremely successful Convention in 1975, working with the Central Canadian Federation in a unique "Hands-Across-The-Border" production. The club provides much help for Cranbrook Institute, is an 800% Scholarship Club, and is educationally oriented.

Lawrence County Rock Club, Bedford, Indiana. Their Bicentennial project was an Indiana limestone (State Rock) carving of George Washington for their city. They conduct cave tours, contribute to Scouting, working with Boys Club, 4H, put on programs for wheelchair patients, and work with their local museums.

Missouri Valley Gem and Mineral Society, Platte, South Dakota. Has bank displays, hobby shows, helps visitors plan field trips, conducts historical and geology tours, contributes educational and hobby publications to libraries, works with other clubs on statewide activities.

Ozark Earth Science Club, Mountain Home, Arkansas. Pro-

Continued on back page, column 1. . .

vides a Chamber of Commerce display, donates minerals to schools, gives books to library, sponsors a monthly display in library. Gives specimens to children at County Fair, conducts classes and field trips, furnishes lectures and programs.

Roehm Geology Club. This is a Junior High Club in Berea, Ohio, winning their second AFMS trophy in two years. The young members talk to other schools. They have bought their own lapidary equipment and set up their own shop. They conducted a fossil seminar for 4th, 5th, and 6th grades. They have their own show and 11 field trips.

MIDWEST MERIT AWARDS AND AFMS HONORABLE MENTION

Tulip City Gem and Mineral Club, Holland, Michigan. This club works with the local recreation commission. They put on programs for adult and junior groups, present jewelry making classes, donate to the library, and help Scouts and Senior Citizens.

Austin Gem and Mineral Society, Minnesota. With working exhibits at area fairs and the historical museum, this club has become well known in its region. They maintain a large rock and mineral library on continuous loan to schools. They have a lapidary course for Senior Citizens.

Wisconsin Geological Society, Milwaukee. Working with school children and with the University of Wisconsin, this club helps with earth science over a wide area. Their visiting exhibit for schools requires that a member accompany it to lecture and answer questions. They provide instructors for adult education also.

Southern Illinois Earth Science Club. Since members come from a fifty mile radius of the meeting center, the special interest groups meet an hour before the regular meetings. They have unusual participation by Juniors, and unusual club participation in the bulletin.

Old Capitol Geological Society, Iowa City, Iowa. They have worked to help set up earth science displays in the new science building of the University of Iowa. The club made a stone replica of Herbert Hoover's birthplace for a permanent exhibit in Hoover Park. They have their own local Scholarship program.

West Central Ohio Rock Club, Lima, Ohio. They have a catalogued club library, separate study groups, member-written bulletin features, public library displays, and they also provide instructors for Adult Education and youngsters.

Earth Science Club of Missouri, Webster Grove. This club has an annual camping "Pow Wow", a monthly field trip, and have member participation in all programs. They work with three nearby Universities, have a library display, and maintain a club library.

Fort Hamilton Gem and Mineral Club, Hamilton, Ohio. The County Children's Home received jewelry gifts for each child from this club. The Science Building of the University has a decorative glacial rock as a landscape feature, from this group. The club has displays for many local institutions and events.

PARTICIPATION CERTIFICATES (1975 MIDWEST MERIT AWARDS/AFMS ALL AMERICAN) WERE AWARDED TO THE FOLLOWING CLUBS AND SOCIETIES

OHIO: West Central Ohio; Heights Gem and Mineral; Euclid Lapidary and Mineral; Parma Lapidary; Miami Valley Mineral and Gem; Roehm Geology; Fort Hamilton Gem and Mineral; Lake Shore Mineral and Lapidary; Cincinnati Mineral; Richland Lithic; Toledo Gem and Rockhound; Stark County Gem and

PACKET INCLUDED A PHONOGRAPH RECORD

The packet of information sent out by the Central Dakota Gem and Mineral Society to promote their gem and mineral show on September 11-12 at Mandan, North Dakota in conjunction with the North Dakota Tourism Department included phonograph record telling about the virtues of North Dakota. Packet also included a road map of North Dakota plus city maps.

Mineral; Good Earth Mineral.

MICHIGAN: Grand Valley Rock and Mineral; Huron High School Geology; Muskegon County Rock and Mineral; Beacon Rock and Fossil; Clare Rock and Mineral; Huron Hills Lapidary and Mineral; Michigan Lapidary and Mineral; Grand Traverse Area Rock and Mineral; Grand Rapids Mineral; Midwest Mineralogical and Lapidary; Tulip City Gem and Mineral; State Line Gem and Mineral; Ishpeming Rock and Mineral.

INDIANA: Three Rivers Gem and Mineral; Muncie Rock and Gem; Vigo Rock and Gem; Peru YMCA Rocks and Mineral; Bloomington Gem and Mineral; Indiana Geology and Gem; Duneland Rock; Lawrence County Rock; White River Gem; Michiana Rock and Gem; Elkhart Mineral; Wabash Valley.

ILLINOIS: Northwest Illinois Rock; Shell Gem, Rock and Mineral; Southern Illinois Earth Science; Des Plaines Valley Geological; Chicago Lapidary; Lake County Gem and Mineral; Fox Valley Rocks and Mineral; Earth Science of Northern Illinois; Gem City Rock; Worthen Earth Searchers.

WISCONSIN: Rock River Rockhounds; Lakeland Gem; Racine Geological; Kenosha Gem and Mineral; Kettle Moraine Geological; Northwest Wisconsin Gem and Mineral; Wisconsin Geological.

MINNESOTA: Central Minnesota Mineral; Steel County Gem and Mineral; Minnesota Mineral; Bloomington Mineral; Austin Gem and Mineral.

IOWA: North Iowa Rock; Cedar Valley Rocks and Mineral; Chickauqua Rockhound; Blackhawk Gem and Mineral; Old Capitol Geological; Des Moines Lapidary; Central Iowa Mineral; Dallas County Rock.

MISSOURI: Kaw Valley Rock; Spring River Gem and Mineral; Pike County Mineral and Gem; Earth Science of Missouri; St. Louis Mineral and Gem; Independence Gem and Mineral; Blue Ridge Gem and Mineral; McDonnell Douglas Gem and Mineral; Ozark Earth Science (ARKANSAS).

NEBRASKA: Grand Island Earth Science; Lincoln Gem and Mineral; Northeast Nebraska Rock and Mineral; Loup Valley Gem and Mineral.

SOUTH DAKOTA: Rosebud Geological; Missouri Valley Gem and Mineral; Sioux Empire Gem and Mineral; Corn Palace Rock; Badlands Sandhills Earth Science; Lakota Glacier Rock; Coteau Des Plaines Gem and Mineral; Brookings Area Gem and Mineral; Coyote Rock and Lapidary; Randall Rockhounds.

NORTH DAKOTA: Red River Gem and Mineral; Lake Agassiz Rock.

A TRIP TO HISTORY AND GEODES

by Art Ferguson

As the climax of our week long trip to Pennsylvania, Maryland, D.C., Virginia, West Virginia and Kentucky, we met some club members at Mason's Gap to collect geodes. We first visited our son Jim and wife in their new home at Palmyra, Pa., then on to Philadelphia to see the Liberty Bell and Independence Hall. Next we went to visit friends at Havre de Grace, Md., and on to a camp just north of Washington, D.C. We visited the Smithsonian group of museums. Hirschhorn Museum and Sculpture Garden, which has a Calder much like ours, was first. Next was the National Museum of Natural History with its beautiful mineral and jewelry exhibits. One of the best pictures we took there was of the Ontonagon Boulder (copper, from the U.P.). Then across the Mall to the National Air and Space Museum where we saw the command modules that went to the moon along with a complete moon lander and many historical airplanes of earlier times.

Each of these museums deserve much more time than we were able to spend there. These are such huge buildings and so much walking is involved that most visitors only scratch the surface. The Air and Space Museum is 680 feet long, which is two football fields end to end, and it has two floors of exhibits. The Natural History Museum is nearly as large. Truly fabulous collections of knowledge and specimens!

At Mason's Gap we only met the family of Sandy Mazie (her mother and son). but we had good luck. We arrived first Saturday morning. As we drove along 698, we crossed a bridge over a nearly dry creek. The bed looked promising and just south of the bridge we found a driveway to the creek. While we were making up our minds as to tools, etc., two trucks came up out of the creek bed with loads of gravel. We parked the car out of the way and went down into the bed and could hardly keep from stepping on geodes. We found them of all sizes, whole and in pieces. When the trucks returned, one of the men asked what we were looking for. When we told him geodes he said to come down the creek to their loader where they had thrown off all the big ones from their trucks. We found the hunting very good. Our largest is over 11 inches. In addition to geodes, we had swapped for some rocks while in Virginia.A trip combining history and rock collecting.

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November 10ANNUAL SILENT AUCTIONNovember 10

Henry Tchozeski is our chairman this year. Start sorting your good extra specimens now and be sure to pick up your blanks at the October meeting. Blanks must accompany each specimen as the committee does not have time on auction night to make up sheets for unmarked donations. . . (note to Bob: start the presses!) . . .Remember you can have 50% of the selling price returned to you if you wish - be sure to fill out the bottom of the bid sheet. . . . If you don't have specimens for the auction you might pick up some at one of the local rock shops or one of the nearby shows. Club booths have some real bargains.

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In the AFMS NEWSLETTER, Barbara Goss ends her column, KNOCKING AT YOUR DOOR, with the following:

Austin was a good show, it was a friendly show; it was fun! Start now and plan to attend next year's AFMS show in Ogden, Utah, and in 1978 the AFMS show in Pleasanton, California. In the meantime, write (and have your club members do the same) to: Honorable Benjamin F. Bailar, Postmaster General, 475 L'Enfant Plaza West, SW, Washington, D C 20260 requesting continuation of the Mineral Heritage Stamp and it's issuance in 1978, to be presented at our AFMS show then. Do not ask for a special mineral etc. but just for another issue.

Let's do it. The first issue was so beautiful, and what better way to bring our mineral heritage before the general public?

DID YOU KNOW?? That the sun is so large that if it were hollow, it could contain more than one million worlds the size of ours. There are about 100 billion stars in the average galaxy--and at least 100 million galaxies in known space. Who says it's a small world?

from THE TEMPLATE

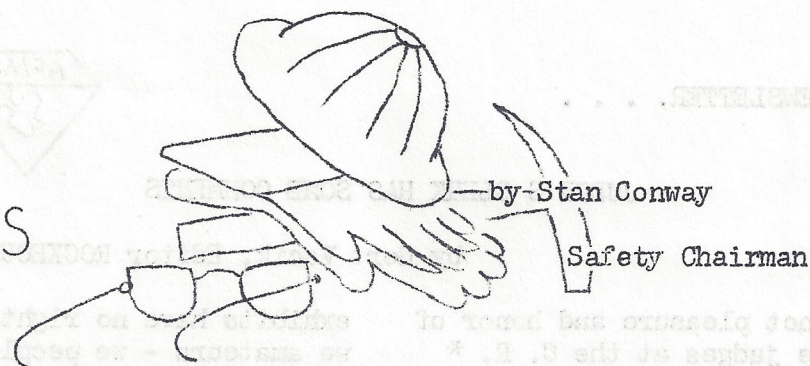
via THE ROCKY READER

THE SEEING-EYE MINERAL - CESIUM is a metal which comes from the rare mineral pollucite. This soft, silvery white metal is important in various optical devices including the snooper-scope making it possible to see objects in the dark. This mineral is sensitive to light and by its use in the electric-eye door, you can open the door before you get to it and close it after you without the aid of any other device. The largest supply comes from the Jooste lithium mines near Karibib, South West Africa.

from ROK-TOK via THE ROCKY READER

AFMS NEWS reports there is an upside down mine at Mt. Morgan, California, where the tungsten miners of the nation's largest tungsten ^{mine} take the elevator up to their work, instead of down. The elevator ride is reported to be over three times the height of the Empire State Building in New York. Tungsten has been mined from as high as 12,000 foot level, close to the 13,745 peak of the mountain. Mt. Morgan is near Bishop.

FOR SAFETY'S SAKE -



All those who went on the rock hunt at Mason's Gap put up their grubby, sticky, geode picking hands. Did you bring back something you didn't want, like poison ivy or a round of buckshot for not asking permission? No problem with buckshot, I guess, your leader gets the O.K. on that.

I just read that fossil imprints and remains imbedded in stone show a leafy plant just like poison ivy. They dated it at about 10 million years old. The paleo rockhound running around in a loin cloth had troubles even then. Wow! Ivy could cover a lot of ground on that guy.

Nowthen, if you've got the "yitch" you just better see your local voodoo man. This is nothing to fool with, so don't include that ivy plant with other wild flowers you plan on giving your Frau. This beauty is really a beast. You can't burn it (unless you can't stand your downwind neighbor) You can't bury it or dig it up, it has miles of roots. Best bet is to go to your local poison vendor and get some eradicator. (Hoo-boy, that's a word for you. Glad I wrote it instead of trying to say it.)

Outdoor time is the time to watch for this three-leaved trouble maker. However, that is not the only fly in the ointment out there in the big beautiful world. Hornets are bad! believe you me, I know. If you run into a nest of them by mistake, Hoo-boy! If you are allergic, better have your allergy potion handy. A reaction can be bad news.

Hey, I've got another cutie! Not much to look at, a couple of wings, very skinny body, scrawny legs, but a beak that must be about a foot long. That's it, you guessed it right off! Hey, Art, give the smart ones a leaverite. They guessed right - the Mosquito. An article in the Grand Rapids Press by Dr. Thosteson says that they can carry the dreaded encephalitis disease. Now there is a \$15 word, pre-inflation prices, if ever I heard one. Doc Thosteson says that geographic distribution has been known to be in the southwest and the northern midwest states. Good grief, that's where we live! Well, that's the last time I go camping, fishing, hunting, rock-hounding, chasing girls -- opps, wrong pastime!. Anybody got any good rocks and stuff (not too many - just the good ones). I'm spending my time in the workshop from now on.

Oh, incidently, this is another scare tactic from your "safety first" coward. er - I mean writer. But don't you worry none about such minor things as poison ivy, hornets or mosquitos. I bet I can find worse things in the months to come to scare you with. You have one thing going for you though -- SAFETY HABITS.

So play it safe FOR SAFETY'S SAKE.

FROM THE AFMS NEWSLETTER. . . .



JUDGE'S CLERK HAS SOME COMMENTS

by Gert Vacik, Editor ROCKHOUND TALES

I had the distinct pleasure and honor of clerking for the judges at the C. R. * show. My duty was to write down all their comments and I must say it was an education, but I wonder how many people can accept the judges' decision. In some cases I have to wonder if they are really correct.

I think this is one reason we may never enter competition (I say never - I have a right to change my mind!) Perhaps, one day, we will - after we've had time to read and re-read the rules book and have made up our minds that we have "no" room for improvement - could end up being "never." I don't know, I think I'd want to quibble with the judges over their opinion of my work, especially after I might have worked hours and hours polishing some specimen, fitting the risers and cloth in the case or hand printing my labels.

Money can buy the best specimens in the world - can also buy an interior decorator for your case and you can win all the ribbons and trophies there are to win. But you really haven't done any thing but spend money. These kind of

exhibits have no right to compete with we amateurs - we people who do the best we can, most of the time, and enjoy what we do just for the darned fun of it. And when you have to get all up tight about what somebody else says about your work, who needs it? Good luck to those of you who like to compete - if that's your bag, hang in there, it's not for me.

But there's another side to the story - have you noticed the display cases that have a piece of sack or paper towel or a raw-edged piece of material or a faded tablecloth, I could go on and on, as backdrop for their specimens, whatever they might be? We saw so much of this at a distant show we visited a couple of years ago. Seems to me, if you can afford the items inside your case, some thought could go into the stuff it's gonna "sit" on - same's true about the arrangement. But I guess that comes with practice.

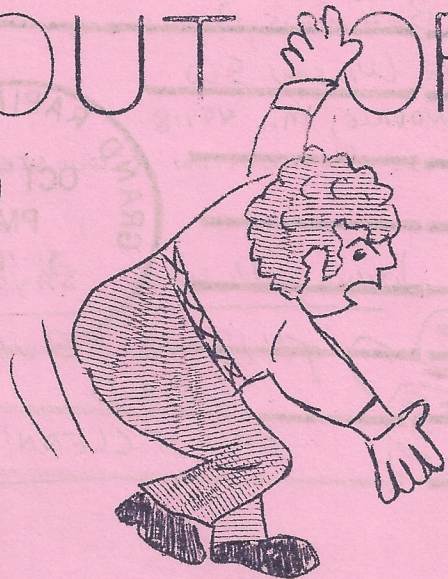
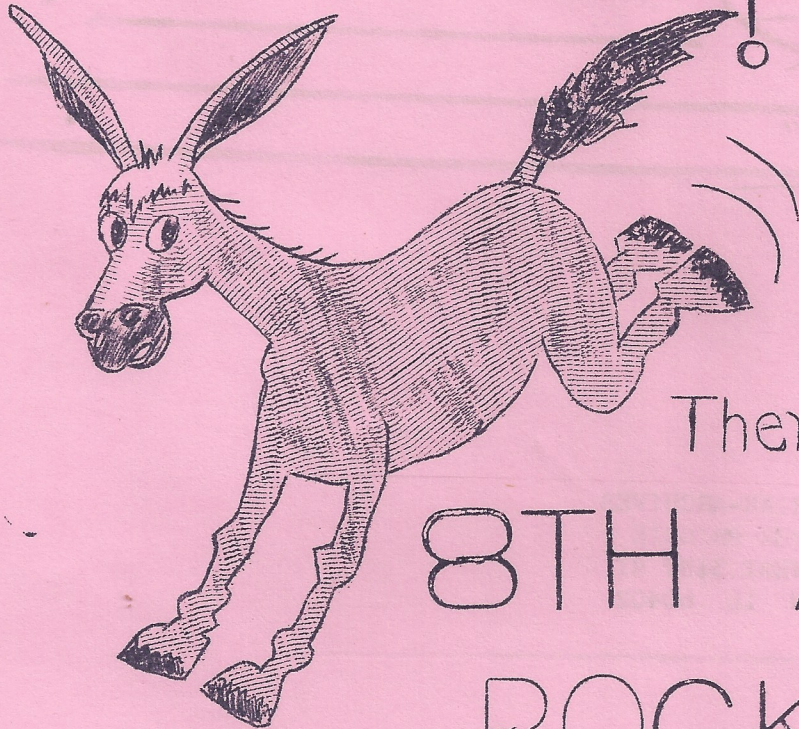
Well - 'nuff said already - who has more fund (fun? - Ed.) than rock-hounds?

*Cedar Rapids, Iowa, we think, - Ed.

DEPARTMENT OF INTERIOR NEWS RELEASE - Guide to Mining Sites on Pacific Coast
-now available

Ghost towns, abandoned mining camps and mines of the past and present in the Pacific Coast States are described in a sightseers' guidebook just published by the Interior Department's Bureau of Mines. The 70 page booklet identifies sites in California, Oregon, Washington, Alaska and Hawaii. It is the first in a series of six regional guidebooks that will replace a popular 1967 publication, which covered the whole nation in one 90 page volume. "Mining and Mineral Operations in the Pacific States: A Visitor Guide" can be purchased for \$2.15 a copy from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402 GPO Stock No. 024-004-01872-1

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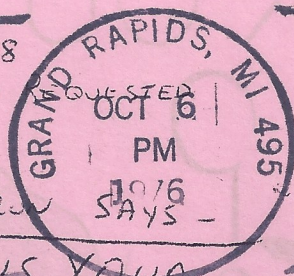
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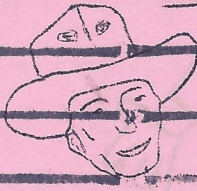
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