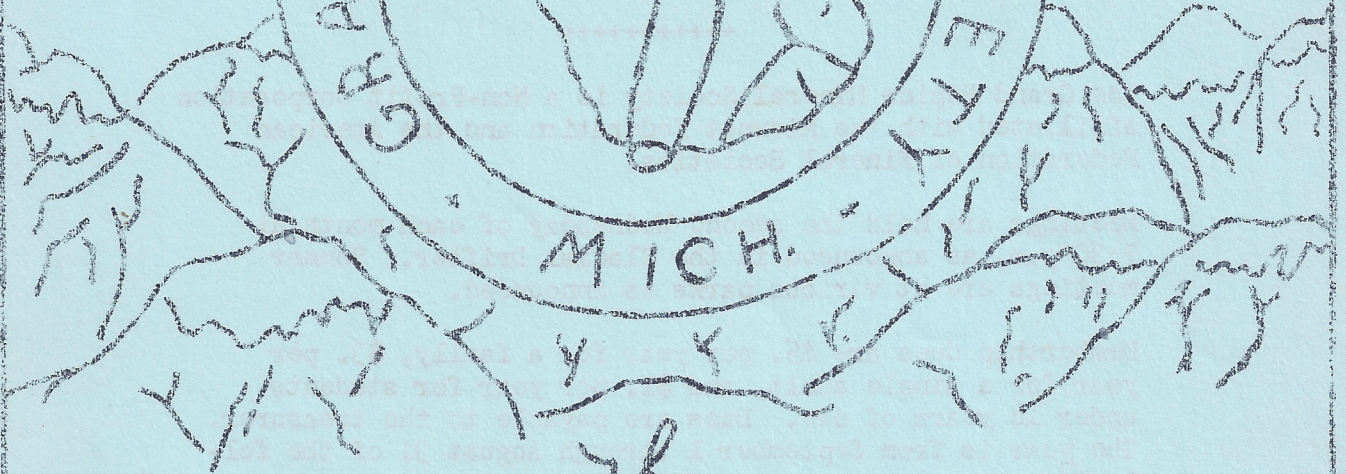
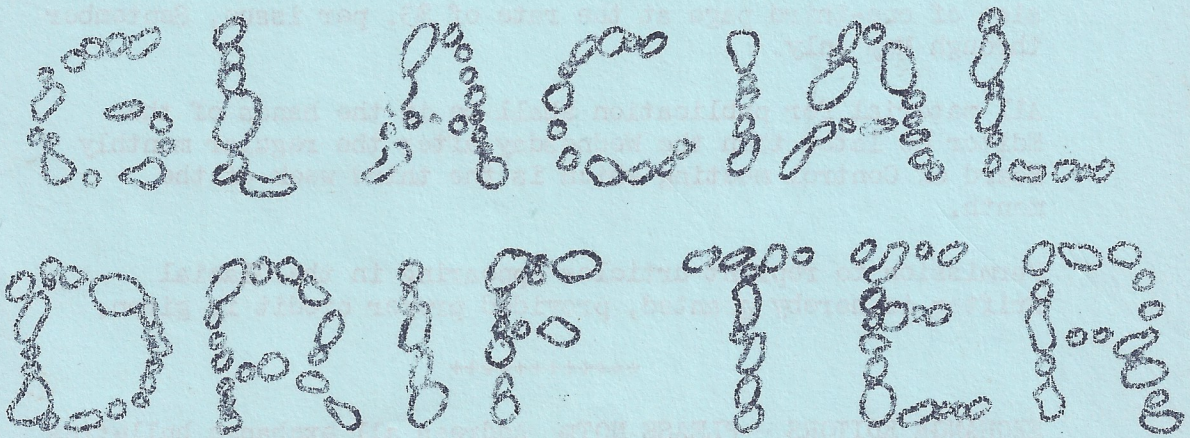


FEBRUARY 1972



The





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+++++

The Grand Rapids Mineral Society is a Non-Profit Corporation affiliated with the Midwest Federation and the American Federation of Mineral Societies.

Meetings are held the second Wednesday of each month at 7:30 p.m. as announced in the Glacial Drifter. 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 Wednesday 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.

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EXCHANGE EDITORS - PLEASE NOTE: Address all exchange bulletins to: Mr. Gordon Williams  
2038 Parade NW  
Grand Rapids, Michigan 49505



# THE GLACIAL DRIFTER

VOLUME 14 NO 2

FEBRUARY

1972

## FEBRUARY MEETING

Place: East Building, Grand Rapids Public Museum

Time: 7:30 p.m. Wednesday, February 9, 1972

Program: Our own June Smith with her magnificent pictures of the Grand Canyon float trip:  
"Rafting Through Four and a Half Billion Years - A Geologic History of Grand Canyon"

## G.R.M.S. CALENDAR

- Feb. 5 (Saturday) Noon Deadline for returning show entry blanks (see article)
- Feb. 14 - Board of Control meets with the Beauvais'
- Feb. 17 - Archaeological Society - Museum All-Purpose Room  
Karl Bruder "The Effects of Glacial Meltwater on Archaeological sites in the Yukon Territory"
- Feb. 19 - Basement Field Trip (see Field Tripping)
- Feb. 23 - Mineral Study Group at the Ferguson's
- March 4 - Set-up day for Annual G.R.M.S. Show
- March 15 - Regular Meeting - Karl DeBack reports on the Mid-West Show at Mansfield, Ohio. Randy Jurries, Indian Mounds Club, with his prize-winning lapidary display.
- March 20 - Board of Control Meeting
- March 21 - Indian Mounds Rock and Mineral Club Silent Auction, Sunset Park Church of God, 3450 Michael SW  
7:30 p.m.



## FROM THE EDITOR'S ROCK ROOM

We got this note from the editor of the Grand Valley Lithogram and we do indeed appreciate it. It seems that they reprinted from the Drifter our article about Marguarite Petersen's fossil "find" and when other clubs took it from the "Lithogram" they inadvertantly made her a member of the Grand Valley Rock and Mineral Society.

Dear Gordon:

You must realize we are not trying to steal Marguarite Petersen from you club, but by the time it is printed that way one more time it will make it a fact.

The St. Louis McDonnel Geode printed her story that way and apparently Bernice Rexin picked it up for Earth Science there.

-Bob Gierman

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A note from the Hope College Geology Department announces a 106 mile ride via float through the middle fork of the Salmon River. Cards indicating an interest are in the editor's possession. If you are interested call me - 361-0531 - and I will mail you a return card for Dr. Tharin.

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January meeting notes:

Counted 55 members and guest present.

Larry Fegal reported on the Junior Rockhound Program with 24 students participating. Larry needs material, specimens, rocks, and cutting material. G.R.M.S. members are invited to visit the Saturday classes which will run to March 25 at Blandford Nature Center. (And what a delightful story in the Press, Jan. 29, on Larry and his work!)

A program highlight for the year -- those Keokuk geodes with Steve Sinotte of Kalamazoo. What magnificent specimens were photographed and shown on slides. 'Twas a fine program, wasn't it?

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From time to time, news of our neighbors and other rock clubs' doings are of interest. Here are a few for us to mull over. Might just be an idea or two there?

The Conglomerate (Michigan Mineralogical Society) reports that their M.M.S. auction was a big success - plenty of both fun and funds. There was a wide variety of materials offered - even a carton of 26 old bottles that went for \$45. Also, there were a few tables of priced materials. The auction itself was lively enough so that one little fellow even bid against his mother! The sale was held at Cranbrook Institute and drew guests from clubs as far as Flint.

Recent newcomer to our mailbag is the Windsor bulletin, "The Petrified Post." This clipping from it tells me that I'm not the  
(continued on page 4)



FROM THE PRESIDENT'S ROCK ROOM

This month I would like to tell you about a trip that my wife and son, Lance, and I took on July 2, 3, and 4, 1971. On this trip we went to four rock hunting places. As always, I like to get an early start even though I receive a bit of protest from my wife. Leaving at 2 a.m., we arrived in St. Louis, Missouri, about 9 a.m. This was the first time we had seen the Arch. What a beautiful piece of engineering it is, and a little bigger than I had pictured it to be.

From here we went south to Old Mines, Mo. This is the area where all the nice barite and quartz comes from. We did not have to look very hard. It is mined all over this area for road gravel. All you have to do is find a place where they have dug and start to dig yourself. You don't know what you have until you get home because it is covered with the stickiest and reddest clay I have ever seen, and when you are through you are about the same color as the clay. We stayed here about six hours and then headed out to Cape Girardeau, Mo., where we got a motel for the night. The next morning we crossed the mighty Mississippi River and headed east to fluorite country. Here we met our miner friends at the #7 fluorite mine and were told the sad news that Old #1 mine had been closed for good. This was the mine where most of the fluorite specimens in this area were found. I did get a chance to go down in the #7 mine for a look. My wife and son had to wait as women and children are not allowed in the mines. This is a new mine but there just are not any pockets of crystals to be found, only a small vein of low grade fluorite.

We then left and went on east of Evansville, Ind., where we spent the night. Next morning we still were going east along the north bank of the Ohio River which is a very scenic drive. First stop was at Wyandotte Cave. It is quite a large cave and well worth your time if you are every traveling this way.

Corydon, Indiana, was the next stop - at a quarry! This is where beautiful pink dolomite is found. I found a few nice specimens. One had a few fluorite cubes on it, but there wasn't much around so we left and took highway 135 north. This is another very nice drive, taking you through Brown County. We stopped by a creek and found geodes by the hundreds. This was south of Brown County, and it looked as if there was never a rock hound in this creek because we found no geodes which had been broken by a hammer. Then we headed home, arriving about 1 a.m. on July 5. The total trip was 1,500 miles and was enjoyed by all of us.

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Our field trip to Chicago is history now and all of us who went were glad they decided to go, I'm sure. It was a fun trip even though the temperature never got above  $-7^{\circ}$  (coldest day in six years!). When we drove down Lake Shore Drive on the way back home Lake Michigan looked like a giant steam bath at a warm  $+32^{\circ}$ .

(continued on page 4)



## PRESIDENT'S ROCK ROOM (concluded)

Rich has planned another basement field trip for February 19. Beginning at the Gordon Williams at 1:30 p.m. the group will continue on to the home of Erwin Atkins, then to residence of Dr. Richard Rose, and finally end at the Ferguson's. See Rich's article for details.

Remember the March Show. Set up time is March 4. Would you please tell Rich VanBeek as soon as possible what you have to put on display so we can have a successful show again this year. June Smith will be chairman of programs for the show. She will need your help so please don't be afraid to say yes when she calls on you.

George Arnold and Jim VanVuren will be the nominating committee for next year's officers. When they call and ask you to run for office, please say yes. We need all of our members' cooperation. It is not a hard job - in fact, there is quite a bit of enjoyment in being an officer. You really get to know our members much better.

Don't forget to bring those rocks to the next meeting for Larry Fegal. He needs them for all our junior rock hounds. After all, they are our future senior rock hounds!

-Roger King

## EDITOR'S ROCK ROOM (continued)

only editor who yearns for more contributors:

"The Editor and Staff have decided that the only possible way to get bulletin material is by running some kind of contest. We have tried asking and even begging but it hasn't worked, well now we will try a contest so here it is. There will be a good and I mean GOOD specimen for the best bulletin article in 1972. The contest is confined to members of the Windsor Mineralogical Society. The article must be written by the member about something they have done in rockhounding."

The Roadslide (Grand Haven) expresses thanks of their members who attended our Christmas pot luck and reported that "they had a wonderful time."

Lansing club members reported to the Illowa News that they had great success rock hunting using the "Field Trip Guide Notes" published by Illowa Gem & Mineral Society. In fact, they report they found some fantastic specimens and geodes at Gray's Quarry, Hamilton, Ill.

Indian Mounds Club does this: "Our January meeting is one of our extra special meetings of the year. At this time we as rockhounds have an opportunity to share our hobby with the school children. Teachers from six schools will be on hand to receive the specimens that you have donated. Each year we receive requests from schools for these specimens." (Note: each school received more than 80 samples of rocks and minerals.)



## MORE FROM CLUB BULLETINS:

From Arrowhead News (Indian Mounds Rock and Mineral Club):

"In our last month's bulletin we mentioned about Curly Voss sending a Petoskey stone to actor Roy Rogers. Well, he received a reply and here it is:

Dear Mr. Voss,

I would like to express my sincere appreciation for your kindness in sending me the very fine specimen of Petoskey Stone. It will be displayed in my Museum along with the other items in the collection, and I'm sure all the other rockhounds who visit us will enjoy it, too.

Thanks again and God bless you.

Sincerely,  
Roy Rogers"

Congratulations, Curly, from G.R.M.S.!

===

From The Jaspilite:

## ROCKS TOO BIG FOR YOUR SAW? ?

To cut native stones and rocks into smaller pieces needed for fireplaces, entrance markers and stone fronts, saturate a  $\frac{1}{2}$  inch rope with gasoline and tie it around the stone where the split should occur.

Ignite the rope and wait until the brief hot flame dies away. Strike the stone several sharp blows with a sledge hammer, following the charred mark of the burned rope. The stone will fall cleanly apart where the rope has been bound.

For splitting the smaller stones or breaking off small sections in a series of splits from a large stone, an old clothesline will serve as well. Since the breaks are clean and follow the burning rope, much labor in dressing the stone is saved. But use CAUTION...(The Gemrock via Arrowhead Chips.)

## Marve's Safety Corner

(Editor's note: Marve has a double header this month. His January contribution arrived by mail after the Drifter had been "put to bed" )

A few suggestions on how to lift those big treasures or anything else you might want to lift that may be heavy ( a full garbage can, for example):

1. Check weight and size. A bulky, awkward load can cause more strain than a compact heavier one.
2. Plant your feet firmly, well apart, and squat down.
3. Watch out for sharp edges. Get a good grip.
4. Keep your back as straight as you can. Lift slowly (don't jerk) by pushing up with your legs.
5. Don't twist your body with the load. Shift your feet.

Load too big, too long, too heavy?  
If in doubt, get help.

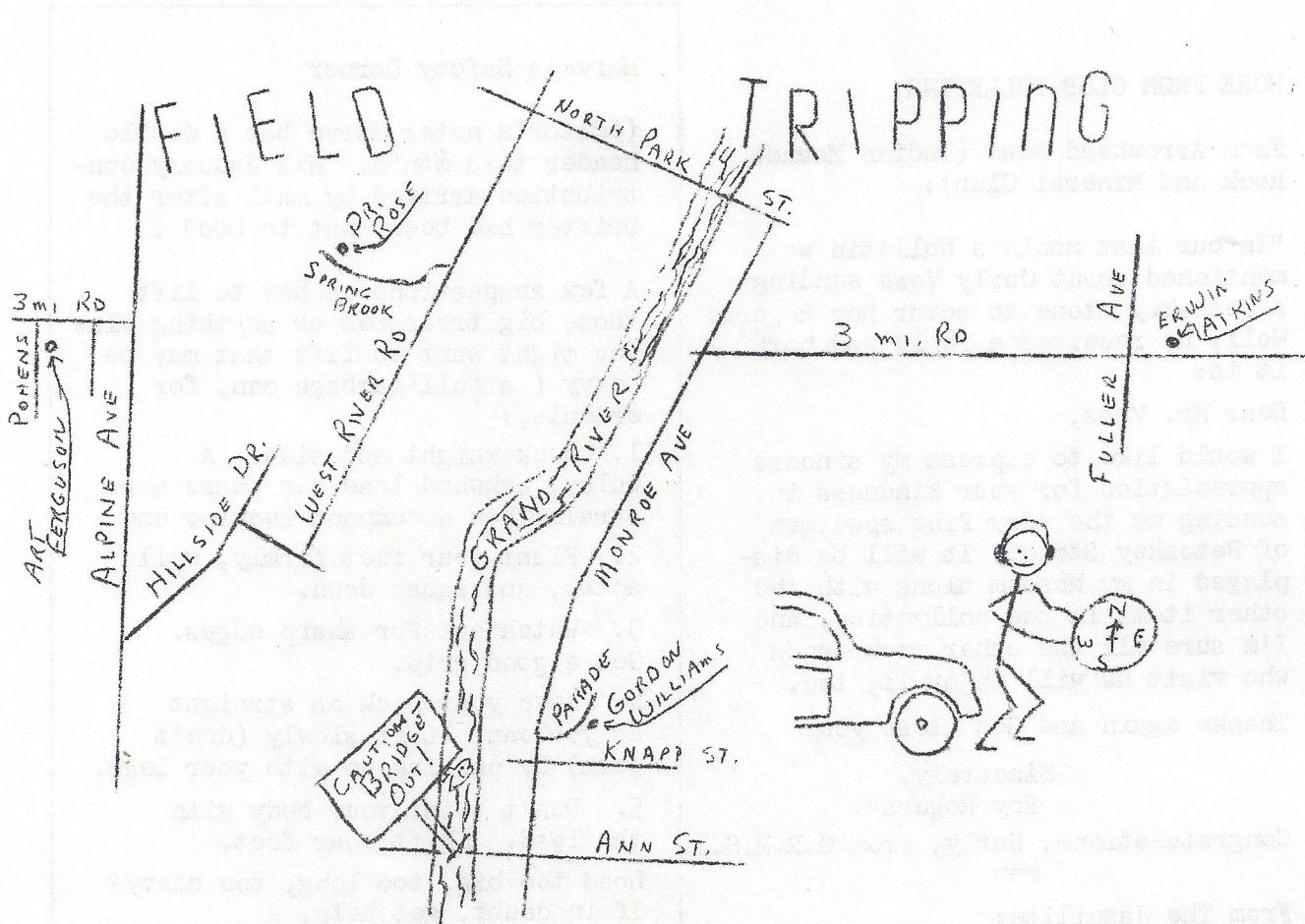
-National Safety Council

An efficient fire extinguisher for small fires in the home, camper, or trailer can be made from a one-pound coffee can painted bright red and filled with baking soda. Keep it available for quick access. When a grease or oil fire erupts in a cooking pan or an electrical spark starts a fire, you can quickly smother the flames by throwing handfuls of soda on them.

Bicarbonate of soda (common baking soda) is the basic ingredient of most professional extinguishing products.

-Burbank News, Sun Valley  
Review, via Chips





Our next "basement field trip" will be on Saturday, February 19, starting at 1:30 p.m. We will begin at the home of Gordon and Dorothy Williams at 2038 Parade NW, which is one block north of Knapp St. The map above will help you find your way.

Next we will go to Erwin Atkins at 1253 Three Mile Rd. NE, the fifth house east of Fuller Ave., across from the fire barn (or engine house?). Erwin is a specialist, concentrating his efforts on the lapidary art, his work being outstanding.

Then we will go to the home of Dr. Richard Rose at 3244 Springbrook NW. Since he is so well known among us for his contributions to every aspect of lapidary, geology; for his fabulous collections of rocks, minerals, and fossils; as well as for the many programs he has presented at our club meetings, any further elaboration would be superfluous.

Since the Ferguson's were a late addition to the schedule for our November basement trip, too late to be included in the Drifter, although announced at the meeting, several people missed seeing Art and Dorothy's varied collection of rocks, crystals, minerals, fossils, and wood, both drift and petrified. Those who missed it last time are invited to come here for the last stop of the afternoon. They live at 2748 Pohens, NW.

(continued on page 7)



## FIELD TRIPPING (continued)

(We are writing the first draft of this article and map in the Central Christian gym between matches of a wrestling meet)

Since Em VanVuren and Gordon Williams will be writing elsewhere in this issue about our bus excursion to Chicago, we will add only a few personal observations. We would like to thank the Beauvais' for making the tickets; and Ted Duprey for handling the ticket sales to the Indian Mounds Club, for his advice based on his experience as Field Trip Chairman during a previous bus excursion, and for assisting with the group which continued on to Lizzadro. We appreciated being admitted free to the Field Museum, being considered an organized group.

Although we spent about 90% of our time in the section on geology at the Field Museum, we just barely "scratched the surface." We could spend at least two more full days in this section alone to say nothing of the section on archaeology which we passed up completely this time.

There are guards who wander about the various exhibits, but in both the Gem and Jade Rooms the guards stay right there. The high temperature in Chicago this day was  $-6^{\circ}$ . We had been in Chicago in October for the G.R. Central Christian-Chicago Christian football game when the high was  $94^{\circ}$  - a difference of exactly  $100^{\circ}$ .

-Rich VanBeek

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## ALL ABOARD TO CHICAGO AND THE FIELD MUSEUM OF NATURAL HISTORY. . . .

On Saturday, January 15, at approximately 7 a.m. we finally left Rogers Plaza parking lot. The weather was very cold but despite it all, we finally arrived in Chicago with ourselves in the care of a very experienced bus driver, not getting lost even once.

Those going to the Field Museum in Chicago were dropped off first and were quickly lost in the halls of a gigantic and very interesting building. It would take a month of Saturdays to go through this fabulous museum. Like one of the club members said: "Just go in and sit and take it all in, a room at a time."

The Gem Room was exquisite and just beautiful. This room had everything imaginable. Every gemstone in it one could think of, from carvings to jewelry to faceted diamonds like the Hope diamond, etc. in replica. Jim as usual went out of his mind with the different types of gold displays. There were two specimens of gold weighing  $1\frac{3}{2}$  ounces each. Just ask Jim!

The special Jade Room exhibit competed with the jade carvings at the Lizzadro Museum, each set up in its own individual setting. These were spectacular - ask Henry (Tchozeski). By the way, the Jade and Gem Rooms each had its own guard standing at the door. When a person  
(continued on page 8)



## FIELD MUSEUM TRIP (continued)

would come out of the room, the guard would go in and check the room afterward.

Other numerous minerals, rock and fossil halls were filled with specimens too numerous to mention. You name it - they had it! They had huge meteorites setting on pedestals that you could touch and inspect. They were not behind glass. They also had some fantastic fossil displays. Also minerals and how they were used commercially.

Just a word or so about the rest of the museum. There were rooms filled with trees, plants, animal life, fish, pre-historic and cave life. Some of these displays were set up in their natural surroundings. This museum would really have to be seen to be appreciated.

On one occasion Jim and I were in Chicago and had only an hour or so and thought we would go in this museum. Well, we went in as far as the front door and figured it would take a lot more time than just an hour or two to see all this, so we really took advantage of this day in the fabulous museum and have no regrets about our sore and tired feet.

About 5 p.m. the bus returned to the museum to pick us up. It sure looked inviting after all that walking. We arrived back at Rogers Plaza about 10:30 p.m. with the thermometer registering 6 below zero. Some of the cars would not start but with lots of help from one and all we finally made it back home again...a very full and enjoyable day was had by all.

In all the hustle and bustle at Rogers Plaza parking lot after the trip, Jim has someone's good set of battery cables and they have his set. If yours are missing call Jim at 538-0826.

-Emily VanVuren

## AND ON TO LIZZADRO MUSEUM AT ELMHURST. . . .

In a moment of weakness the editor agreed to do a short account of the Lizzadro trip. If I could cartoon, I would start out by saying, "color me cold." And at 6:30 a.m. a -12° is even colder. However, a considerate bus driver, a warm bus, a congenial group of rockhounds and guests, 7:15 a.m. found us on the way and many soon asleep to finish out the interrupted night's rest.

The trip was really uneventful, but the skies around Gary and Hammond reminded us forcefully of the environmental pollution going on around the steel mills and oil refineries.

Lizzadro is a delightful place and even though they were not expecting us (thanks to the bus company) the people went out of their way to make the visit profitable. Very soon after arriving they put on their slide presentation of the museum and what the visitor can see.

Then we were on our own to become sated in the rock, fossil and lapidary beauty of the museum. Rough rock, polished and faceted gems

(continued on page 9)



## LIZZADRO MUSEUM TRIP (continued)

marked the tour of the upper level. Perhaps some of the most exquisite jade pagodas imaginable are on view.

We were reminded of a jewel robbery of Lizzadro's some 3 or 4 years ago and were curious if any of the stolen gems had ever been recovered. No, they have not.

We made a stop at the Lizzadro School of Lapidary Art and saw a modern attractive layout for teaching silversmithing and lapidary art. In connection with the school was a small rock shop.

5:30 p.m.: Picked up the rest of our "crew" at the Field Museum of Natural History, and off for home. Dinner at Horne's near the Indiana-Michigan border and home about 10:30 p.m. to a bunch of automobiles with ideas of their own about starting after about 16 hours in sub-zero temperatures. But that is another story - most of it unprintable.

But what is printable, however, is a list of specimen material that is a good goal for the rockhound. It is printed on page 10. You will want to save it, I'm sure.

-Gordon Willaims

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Wanted: Back issues of Lapidary Journal  
will buy June 1949, February 1963.  
Call Jim VanVuren, 538-0826

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NEW METHOD OF TUMBLING - by All Nutile - Via Tuplip City Conglomerate  
and Flint Rock and Gem Club

The writer believes that the following can take much of the work from the popular method of polishing rocks and or gemstones by tumbling. All of the instructions we have seen state "WASH STONES AND TUMBLER VERY CLEAN BETWEEN EACH CHANGE OF GRIT OR FINAL POLISH MATERIALS." At the same time stating, "if liquid is too thin add some slurrp or grit from previously used material." We know that some will argue against our method, but her goes. DON'T WASH AT ALL AFTER EACH WEEK OF TUMBLING WITH GRIT. Start with #80 grit, tumbling a week. THEN DON'T EMPTY TUMBLER BUT ADD 5teaspoons of NEW GRIT to the mixture in the three pound tumbler. Follow this procedure through #190, 320, and 600 grit. Now thoroughly wash stones and tumbler before prepolish and final powders. For a really glossy finish take one more week (after washing out powder polish) adding three spoons of sugar, one spoon level of Cascade or All or any non-sudsing detergent, and about ten drops of muriatic acid if you have some. Let stand one minute open, close tub and tumble for a week. We have run eleven tubs this method and found that even ordinary sandstone comes out highly glossed. Except for extra final steps you save three washings and getting rid of the slurrp each time. Saves time and work and mess, still gets a better polish on rocks and gemstones. We hope the above will be helpful to you.

Editor's note: We have never tried this method, but we plan to. If you do let us know the results.



A LIST OF MINERALS SUITABLE FOR  
A SMALL MINERAL COLLECTION

*ALBITE	*FLUORITE	PYROMORPHITE
AMBLYGONITE	FRANKLINITE	*PYROXENES
*AMPHIBOLES		(several varieties)
(several varieties)	*GALENA	*PYRRHOTITE
*ANALCIME	*GARNET	
ANDALUSITE	GORTHITE	QUARTZ
*ANGLESITE	*GOLD in quartz	(several varieties)
ANHYDRITE	*GRAPHITE	
*APATITE	*GYPSUM	REALGAR
*APOPHYLLITE		RHODOCHROSITE
*ARAGONITE	*HALITE	RHODONITE
ARGENTITE	*HEMATITE	*RUTILE
*ARSENOPYRITE	*HEMIMORPHITE	
AXINITE	HEULANDITE	SCAPOLITE
*AZURITE		SCHEELITE
	IDOCRASE	*SERPENTINE
*BARITE	ILMENITE	*SIDERITE
BAUXITE		*SILVER
*BERYL	KERNITE	*SMITHSONITE
*BIOTITE	KYANITE	SOPALITE
*BORAX		*SPHALERITE
*BORNITE	LABRADORITE	SPHENE
	LEPIDOLITE	SPINEL
*CALCITE	LEUCITE	SPODUMENE
*CASSITERITE		*STAUROLITE
*CELESTITE	*MAGNETITE	*STIBNITE
*CERUSSITE	*MALACHITE	*STIBITE
CHABAZITE	*MARGASITE	STRONTIANITE
CHALCOCITE	MILLERITE	*SULFUR
*CHALCOPYRITE	*MOLYBDENITE	
*CHLORITE	*MUSCOVITE	*TALC
CHROMITE		TETRAHEDRITE
CHRYOLITE	*NATROLITE	TOPAZ
CHRYSOBERYL	NICCOLITE	*TOURMALINE
*CINNABAR		TURQUOISE
COLEMANITE	OLIGOCLASE	
*COPPER	*OLIVENE	ULEXITE
*CORUNDUM	*OPAL	
*CUPRITE	*ORTHOCLASE	WAVELLITE
		WILLEMITE
DATOLITE	PHLOGOPITE	WITHERITE
*DOLOMITE	*PHRENITE	WULFENITE
	PROUSTITE	
*EPIDOTE	*PYRITE	ZINCITE
	PYROLUSITE	*ZIRCON

\*indicates more important species)

Our thanks to Mr. Wilbert Rath, Director of The Lizzadro School of Lapidary Art, Elmhurst, Illinois, for this list.



MARCH  
IS

THE  
MIRACLE WORLD  
OF MINERALS

SHOW  
TIME

Saturday, February 5, 1972 - 12 noon! This is the deadline for the entry blanks for individual displays in the 13th Annual Rock Show at the Grand Rapids Public Museum. If you cannot get your entry in by that time call me at 459-3903. If you can't reach me, call the Van Vuren's at 538-0826. After this date we will allocate the wall cases. Then, when all individual members have had the opportunity to apply for exhibition space we will plan the geological periods display with whatever space is left. We are still looking for material from the Eocene, Cretaceous and Cambrian periods. Call me if you have any we can use. If any late entries are received there may or may not be space left. The street windows are all taken. We welcome individual displays of all kinds--lapidary, mineral, fossils, educational, thematic, or what have you.

The museum has offered to make-to-order installation boxes, risers, etc. which our members may want to use in their exhibits. But they ask that we let them know early. We will quote in part from a letter which we received from Ardath Allen, curator for special exhibits of the museum staff:

"The members of the Railroad Club largely did submit mock-ups, sketches, miniatures to scale, etc. of their case with requests for any special design of installation boxes, risers, cloth, etc., color, paint, etc., to be made or obtained by us. This was either mailed to us or brought in. They really did serve to guide all of us, beside creating interest for them.

"Also, if any exhibitors can anticipate labelling that could be done ahead of time by our typists, then the labels could be written out and either mailed in or brought in.

"Please feel free to phone or come in at any time."

Yours truly,  
(signed) Ardath Allen

## SET-UP DAY

Our main "set-up" day will be Saturday, March 4. Those who wish to get an early start may begin on Thursday evening, March 2, at 7 p.m. On the last day of the show, April 5 at 5 p.m. you may remove your goodies, or if you prefer you may do so on Monday evening, April 6.

(continued on page 12)



## MARCH SHOW INFORMATION (continued)

The wonderful cooperation which we get from every club member whom we asked to do something continues to amaze us as it did last year --only one declined. Here are the various chairmen:

Marilyn Arnold - Hosts and Hostesses  
 Henry Tchozeski - Demonstrations  
 June Smith - Program  
 Terri Viele of the museum staff - Publicity (news media)  
 Marguerite Petersen - Publicity (schools)  
 Gordon Williams - Educational and club promotional literature  
 Jim and Em Van Vuren - General assistants 538-0826  
 Bob Beauvais - Club Mineral Exhibit 534-3871  
 Ted Duprey - Fluorescent Display 532-3841  
 Faye King - Refreshments 532-6239  
 Art Ferguson - Special display for the blind 361-6451  
 Joan, Dan and Paul Miller - Central lobby exhibit 453-4883

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 G.R.M.S. ON TV

Terry Viele of the museum staff has arranged for Bob Beauvais and I to appear on "Accent" with Fran Harding on WKZO-TV, Channel 3 in Kalamazoo, on Thursday, March 2 at 11 a.m. on behalf of the rock show. We will show some crystals, fossils, and a map of one of the geological periods. If anyone has some especially colorful material to loan for this, let us know.

Dan Miller, one of our younger members, and our youngest member, Don Zandee, will appear on "Bozo's Big Top" on Channel 13 in March, on a date to be set later. See next month's Drifter for details.

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 OPENING CEREMONY

We will have an opening ceremony on Sunday afternoon, March 5, at 2:30 at which Marguerite Petersen will officially present to Museum Director W. D. Frankforter the complete colony coral of the lithostrotionella species which is a gift from her cousin, Jesse Walker. It came from Cedar Creek near Revere, Missouri. It is similar to a Petoskey stone but is of Mississippian age rather than Devonian. President Roger King will also participate. Our program this day in the all-purpose room will be an illustrated lecture by Mr. Frankforter on "Dating the Past" or as he sometimes likes to call it: "The Dating Game."

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 FLUORESCENT DISPLAY

Does anyone have rocks or minerals which will fluoresce under "long-wave" ultra-violet (black) light? If you do please call Ted (continued on page 13)



## MARCH SHOW INFORMATION (concluded)

Duprey. We will be using the case and light which was formerly in the rock and mineral room of the museum and this is long-wave only.

If anyone wishes to type their labels in advance you may use Reg Vos's typewriter. This has the same large type as the museum's typewriter. Or, as stated earlier, the museum staff will do this for you if brought in in advance.

Faye King, refreshment chairman, is looking for donations of cookies, etc., for our set-up day Saturday, March 4.

-Rich Van Beek, Chairman

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## A NEW FEATURE FOR THE 1972 SHOW

We are planning on having a table for the blind at our show this year. We will probably have two separate exhibits, fossils, and minerals. These will be selected for their distinctive shape or texture so as to be interesting to the partially sighted and sightless. At present, plans are to have this table manned at specific times by a club member who can answer questions, etc. The time schedule will be publicized to concerned groups. At other times the exhibit will be secured to protect the specimens.

A group of about 15 minerals and a like number of fossils will be shown. For example, we plan to have fluorite and galena. Both are cubic but have very different weights. We will have rough stones such as sandstone and conglomerate, as well as polished specimens. Labels in braille and large size type will be provided.

We have received offers of most of the materials needed but if anyone has specimens of the following they are requested to contact Art Ferguson:

1. A light weight stone such as lava or pumice
2. Something slippery like soapstone or graphite
3. Something you think is unusual and interesting.

-Art Ferguson, Chairman (361-6451)

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THINK SHOW



\* THINK ISHPEMING! \*

\* 32nd Annual MIDWEST FEDERATION FIELD TRIP CONVENTION \*

\* and \*

\* 5th Annual Upper Peninsula Gem and Mineral Show \*

\* Ishpeming Armory on July 20 - 24 \*

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The Ishpeming Rock & Mineral Club, Inc.-Ishpeming, Michigan 49849 - will host the 32nd annual Midwest Federation Field Trip Convention in conjunction with the 5th annual Upper Peninsula Gem and Mineral Show at the Ishpeming Armory on July 20 - 24, 1972. This combination of events bears special significance; not only is this combination unique with the Midwest Federation, it has been indicated that this will be the last Field Trip Convention due to the expanding public demands.

The Field Trip Convention is limited to 3,000 people at a registration fee of \$15 per person. Registration packets have been submitted to all Midwest Federation clubs and other interested parties. A fleet of 50 buses has been contracted for, and all field trips will be by bus only. All potential participants must be registered by June 19, 1972 (30 days prior to the convention) and must be present by Friday, July 21, 1972 in order to secure a place on the field trip buses. The coordination of 3,000 people for 5 days by a small club is a monumental task and all precautions for your safety and enjoyment are to be taken. Remember too that the first 3,000 registration blanks returned will constitute the successful field trip participants. File early!

Thorough preparations have been made to insure a most memorable field trip convention. Everyone from the micro mineral buff to the hand specimen collector to the lapidary enthusiast is assured of successful collecting at numerous locales. Classic mines such as the Champion, Michigamme, Michigan Gold, Republic, Humboldt, Ropes Gold, Ohio, and the Empire will be visited along with the Kona Dolomite and Verdi Antique Marble sites. Opportunities will also present themselves to seek out slag heaps and beach-washed materials plus spare-time visits to a plethora of other locations abounding in the immediate vicinity. It is guaranteed that the value of specimen material found on the organized field trips will more than offset the cost of registration.

The 5th annual Upper Peninsula Gem & Mineral Show will be the focal point for all activities. Displays will include minerals available at the field trip sites, collections of local interest, plus models of mining lore to acquaint visitors with the history and industry of the area. Competitive and non-competitive exhibits are also a part of the plans for the show. A total of ten dealers will complement efforts to offer all visitors an opportunity to take home with them a visible memory of this fascinating region. The culmination of the convention and show will be a huge Rock Swap to be held on Monday, July 24, 1972.

For further information please contact: 49849  
 Charles R. (Bob) Markert, Chairman - R. 1, P.O. Box 620, Ishpeming  
 Laurence W. Sain, Registration - 818 W. Kaye, Marquette 49855  
 Bernard Smith, Gem Show - 1512 Lynn, Marquette 49855



GEODES FOR THE TAKING  
-Vern Miljour

While in Moose Lake, Minnesota for Agate Days, Chris and I met Mr. and Mrs. Hubert Deutweiler of Mount Pleasant, Iowa. He is the president of the local rock and mineral club. Since our plans called for us to hunt in the Keokuk area for geodes we were all ears when he made any suggestions. Hubert and his wife were headed away from home, so he gave us the name of Stan Hunsaker who operates a memorial works in Mount Pleasant.

Stan gave us information on two collecting spots. One of these was south of New London, Iowa, where about 5 acres have been set aside by the conservation department for rockhounds. The digging can be done next to a drainage ditch. We found that the best tools to use were a shovel, rock scoop and rock hammer. The digging is done in soil with the geodes occurring as deep seated field stones. These geodes varied in size from 1" in diameter to about 8".

Since it was early evening and we needed a camping place our next stop was Geode State Park about 5 unmarked miles away. I asked one of the rangers at the gate, as to the reason that the route was so poorly marked. His answer was to the effect, "We get a full house most of the time so why should we ask for trouble."

Geode State Park is a very well organized state park with several hundred campsites. The park boasts of a well designed water front. A couple of the campers told me they had seen many of the others walking back to the camp sites with geodes that had been picked up along the nature trail. Apparently, collecting in the park is either allowed or is ignored by the rangers.

The following morning, Chris and I returned to our previous evening's diggings and again success was reasonable. In fact, the two largest geodes were found on the early morning hunt. Since returning home, several of the geodes have revealed insides that are interesting. The two largest still haven't revealed their secrets, maybe they never will.

From New London, Mount Pleasant area, the route was southward to Keokuk and Hamilton, Illinois. Gray's Quarry within sight of the Mississippi River was the next target.

With permission from the company office, we went into the dump at the far end of the pit. The geodes in Gray's Quarry have a light gray outer surface. Some are solid or nearly solid; while others are very thin shelled and will shatter if opened incorrectly.

The tools needed are a good heavy hammer for breaking up larger chunks to reveal the geodes inside and a bar to move the chunk into working position. The sun was hot at midday so we cut our hunt short. Also our car and trailer were beginning to show the effects of the load and room was still needed for future collecting.

From Jaspelite



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## MORE ON THE SHOW . . . . .

Now that you have looked at, and read, the list of minerals  
of page 10, and compared it with your own collection - -  
What have you got that can go into the club mineral case  
at the show? If I haven't already talked to you about it,  
please call me at 534-3871. We're especially interested in  
those species on the list indicated by the asterisks.

- Bob Beauvais

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FLASH - FLASH - - - - FLASH - FLASH

Just received - a communication from the Mid-West Federation!

WE ARE NOW A 300% CLUB . . . . . WE ARE NOW A 300% CLUB

Thanks for your cooperation in turning in Betty Crocker coupons.  
Keep them coming. We have \$7 credit toward a 400% club.

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## HELP FOR THE ROCKHOUND - via Gems via Earth Science News

Rockhounds will go for this computer that identifies over  
125 rocks and minerals. Instructions explain how to perform  
tests for luster, hardness, specific gravity, and streak.  
Feed the information into the computer, pull the card drawer,  
and a card is released to identify and classify the specimen  
in question.

Manufactured by SKILCRAFT RIC/920 Rock Identification Computer  
and sells for under \$20 in stores.

o-o-o-o-o

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