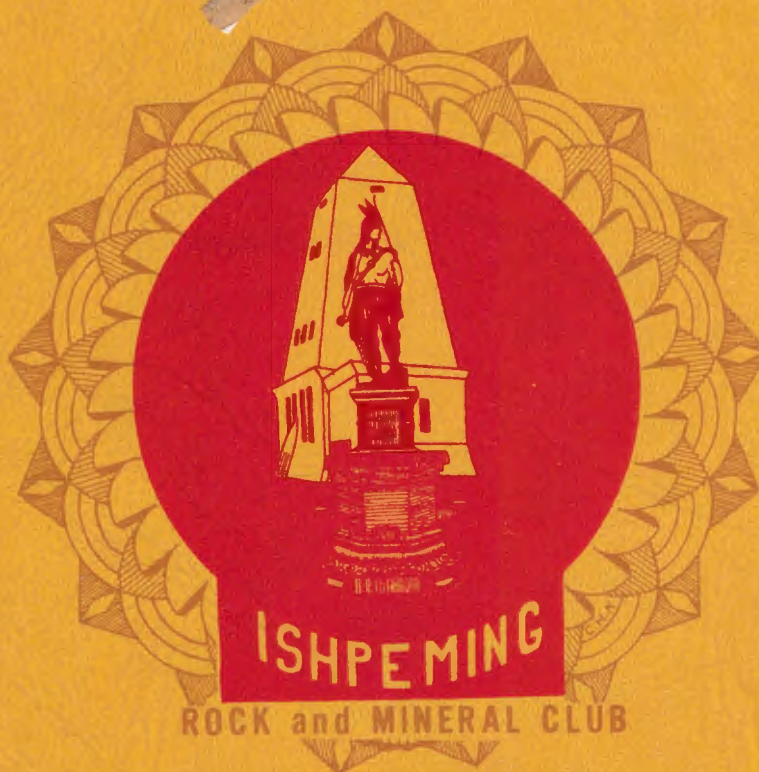


July 73

THE



J A S P I L I T E

Affiliated with the Midwest Federation
of Mineralogical and Geological Societies

OFFICIAL PUBLICATION

of the

ISHPEMING ROCK AND MINERAL CLUB, INC.

Published quarterly

OFFICERS - 1973

President	Ernest Johnson	Marquette
1st Vice president	Frazier Tubbs	Ishpeming
2nd Vice president	Carlton Gutman	Marquette
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Recording Secretary	Helen Johnson	Marquette
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Curator	Arnold Mulzer	Marquette
Librarians (books)	Chris and Vern Miljour	Gwinn
Librarians (bulletins)	Edith and Ray Anderson	Marquette
Editors - JASPILITE	Olive and Laurence Sain	Marquette

DEADLINES: Jaspilite-- March 1, June 1, Sept. 1, and Dec. 1.

MEMBERSHIP: The Ishpeming Rock and Mineral Club, Inc. is open to anyone interested in the Earth Sciences.

Initiation fee	\$1.50
Husband and wife annual dues . . .	3.00
Adult annual dues	2.00
Junior annual dues	1.00

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OUR PURPOSE

- To enjoy, to learn, to teach and to conserve
The rocks, the gems, the fossils and ores.
- To collect, to admire, to brag and to show
The material we've found we'll trade for yours.

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Dear Fellow Rockhounds:

While summer is again behind us and fall is coming out with all its color, I hope all of you had a good summer and that some choice rocks and minerals were collected. Don't forget the bragging tables at our meetings in the coming months. - In that way you will be able to show and explain your finds so many others may enjoy them with you.

Thanks are extended to the field trip leaders of the past summer for jobs well done and to all who managed to attend the field trips and make them a success.

On behalf of the club, I would like to thank Frazier and Dorothy Tubbs for their efforts in getting the areas in the copper country opened up to some collecting.

A field trip of a different kind is being planned for the early part of October (see details elsewhere in the Jaspilite.)

The Christmas party is set for the afternoon of December 16 at the Wawanowin Golf Club, west of Ishpeming. You will be notified by post-card regarding details--menu, price, time, etc. The notification will be out sometime the latter part of November--but put the IR&MC label on your calendar now so you reserve it. We have tried to give you notice far enough in advance so that everyone can make their plans to attend.

A nominating committee will be named at the October meeting and their charge will be to come up with a full slate of officers for the November meeting. The election of officers will be held at the Christmas party. I am asking you all to make yourselves available to the nominating committee. For a club maintain itself and to grow, all members must take an active part in the club. If you are willing to serve in one of the elected positions, or can help be being a committee chairman or working with a committee, please contact one of the nominating committee members at the October meeting.

Your president,

Ernie Johnson

1974 Edition of the Rockhound's Directory

Would you like to buy, trade or sell to other rockhounds in the U.S.A.? If so you may want to be in the rockhound directory--write to the name listed below by November 1.

No charge to list your name, address and collecting interests. Total listing, including address is 25 words. State whether you wish to buy, sell or trade. You will be notified when the directory is printed. The price of a copy hasn't been set at this date. Write to:

P.R. Page P.O. Box 1233 Gainesville, Florida 32602

Club Programs and Activities for 1973

Saturday, Oct. 13: An "indoor-outdoor" fieldtrip to see Lenorard Hanninen's collection of specimens from the Republic Mine and then to Bob Schenk's Agate Shop at Witch Lake. We will meet at the junction of 41 and 95 at 1:30 P.M. and leave from there by 1:45. Our first stop will be Hanninens near Republic. At 3 P.M. we'll be on our way to Bob's. (If there is any change in time you will be called.)

Sunday, Oct. 21, 2:00 P.M. Club meeting at the Marquette Community Center. A special award from the Midwest Federation is to be presented to Dr. Viril Spiroff. The program will be a narrated slide presentation titled "A Story of Michigan Copper". (Come early to put things on the brag table and to do some visiting.)

Sunday, Nov. 18, 2:00 P.M. Marquette Community Center. Carl Gutman will present a program about Micromounts. (Again, come early to use the brag table and to visit.)

Sunday, Dec. 16. Christmas party at the Wawonowin Country Club. Program will include Lyndon Fallat's pictures that were taken during a diving expedition to the Caribbean this past spring. (Further details will be developed at our regular meetings.)

.....Frazier Tubbs

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NOTES FROM THE SECRETARIES MINUTES.....Helen Johnson

Communications throughout the summer months while everyone was vacationing, travelling or field tripping consisted mainly of brochures of club swaps, shows, etc.

A request from the chairman of the 6th U.P. Gem Show for member displays and a club display. Club members entered 9 displays.

Suggestions for future programming for our club meetings: Set up some basement field trips; schedule year-round meetings with field trips extra during the summer; try to find an instructor who would teach a basic mineralogy series of classes during the winter months (for a fee).

A motion was made, seconded and carried that our club bulletin have a CALENDAR OF EVENTS in which the shows, swaps, etc. of other clubs are listed instead of including their publicity fliers. Postage rates are to increase according to rumors and many, many events can be described on the two sides of one sheet of paper. However, one flier or letter giving details would help in preparing the CALENDAR.

Ray Anderson will find out if we can continue to use the Marquette Community Center on Baraga Ave. for our regular meetings.

Hostesses for the October meeting will be Doris Garceau and Helen Johnson or Anna Voivula. Johnsons will donate door prizes.

Discussion was held on the need of a permanent building for club properties, utilization of the 2 Western cases for club displays, and the need for permanent club specimens for the club case of local materials.

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1973 CLUB MEMBERS

.....Carlton Gutman

Please add the following renewals to your list published in the June Jaspilite:

- Wurfel, Werner 8553 Evanston Ave., Ravenna, Mich. 49841
- Reidy, Luella (Mrs.) 129 W. Superior St., Ishpeming 49849
- Short, June (Mrs. A.) 700 Greenfield Rd., Marquette 49855
- Short, Sherry (jr) " " " "
- Baker, Mary Spear (Mrs.) 385 Lakewood Lane, Marquette 49855

(Should these members wish to pick up the last two issues of the Jaspilite, they will be at the October meeting.)

A warm welcome is extended to our newest members whom many of us have not been able to welcome in person. As you seek out and explore the wonders of nature and join with fellow rockhounds in learning and appreciating what is so abundantly available all around us may your lives be greatly enriched.

Markert, Donna (Mrs.) 7147 Rolling Bend Road, Apt. C
Baltimore, Maryland 21207

Rutherford, Robert 601 Summit, Apt. 3, Marquette 49855 T- 6-6876
Rutherford, Nancy (Mrs.) " " " "

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JUNE 13 - 16, 1974

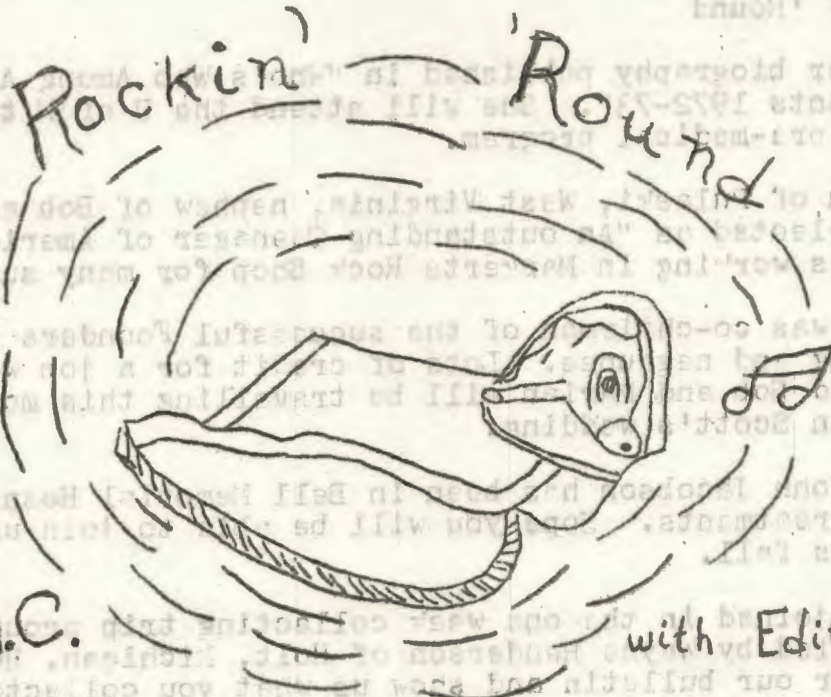
Midwest-American Federation national show and convention

LINCOLN, NEBRASKA

The state of Nebraska where the 1974 joint Midwest and American Federation national show and convention will be held in Lincoln, has just published the first five field guides to its collecting sites. When complete, the series will include 25 such guides. Each guide consists of a bedrock map and cross section across the rocks of southern Nebraska, in color, with several pages folded inside which map and describe each location and illustrate fossils to be found there. Nebraska had previously been mindful of the needs of collectors with its two excellent educational circulars, "Record in Rock", a handbook of Nebraska's invertebrate fossils, and "Minerals and Gemstones of Nebraska," both by Roger Pabian of the Conservation and Survey division of the University of Nebraska, Lincoln, 68508. Price of the guides is 10¢ each.

Of particular interest is the fact that the guides have been financed in large part by the Nebraska Geological Society and the Lincoln Gem and Mineral club. "To the best of our knowledge, Pabian writes, this is the first time we know of professional and amateur earth science organizations cooperating to help put out a series of publications."

....from AFMS Newsletter



Summer is about over. Children are back in school and most vacations are spent. Hope you all had a pleasant summer with lots of rock collecting and many new specimens for the Brag Table.

We were very fortunate; travelled with the Sains to Wauseon, Ohio to the State Line Swap and then to Pugh Quarry. After the Swap we travelled through Ohio, Indiana, Illinois, Iowa, Minnesota and Wisconsin, in the process accumulating quite a variety of rocks. We returned to Minnesota for Agate Days at Moose Lake. Before and after these longer trips we spent several week ends in the Copper Country. I found my prize 1 pound agate in the county pit near Moose Lake!

The Copper Country hosted a successful U.P. Gem and Mineral Show. An exhibitor from Minnesota had a spectacular exhibit of Rhodacrosite, Australian opal, Australian Tiger eye and Minnesota agates. Lots of beautiful Datolite and Copper in many of the displays. Nine cases were provided by the following IR&MC members: Andersons, Bemises, Sains and Tubbs. Bemis, Dunham, Miljour and Mulzer said the field trips were good. The swap on Sunday had a fair attendance but trading was slow.

We attended the Swap on Aug. 25 at Crystal Falls; good crowd of friendly people. Al Murray was there from Escanaba with beautiful crystals and fire agate he had collected last winter on a trip out West. Other members from our club who were at the swap one of the days were: Helen and Floyd Mortenson, W. D. Dawson, Pat and Theresa Bemis, Frances and Ven Hodgins, Arnold Mulzer and Joseph McCarthy.

Marlene Brunngraeber, a speech therapy teacher in the Ishpeming schools was selected to participate in the Outstanding Elementary Teachers of America awards program of 1973. This is a yearly national program to honor elementary teachers who employ teaching methods beyond the essentials of classroom teaching.

Jane Brunngraeber, daughter of Marlene and Glenn has been recognized

.....Rockin' 'Round

by having her biography published in "Who's Who Among American High School Students 1972-73". She will attend the U of M this fall enrolled in their pre-medical program.

Grant Tonkin of Pulaski, West Virginia, nephew of Bob and Marian Markert, was selected as "An outstanding Teenager of America". He will be remembered as working in Markerts Rock Shop for many summers.

Bob Markert was co-chairman of the successful Founders Day Celebration for Ishpeming and neegaunes. Lots of credit for a job well done. We understand Bob and Marian will be travelling this month to Maryland for their son Scott's wedding.

Heard that John Jacobson has been in Bell Memorial Hospital this summer to receive treatments. Hope you will be able to join us for our indoor meetings this fall.

George Bell joined in the one week collecting trip around Lake Superior this summer led by Wayne Henderson of Holt, Michigan. Hope you write up your trip for our bulletin and show us what you collected at one of our meetings this winter.

Pat Elie has been to a national conference at New Orleans, La., in relation to her work as head cook at W. I. Sawyer school.

Glenn and Elsie Gregg have been spending the summer at their cottage at Four Island Lake. The Sains and Andersons had a special field trip to some old mines under Glenn's leadership; successful, too. We all appreciated his kindness.

Mrs. Marie Westar flew to Bangkok to meet her husband, Donald for a week's vacation.

Have you been wondering how to wear your club patch so that you can change it from jacket to jacket very handily? Arnold Mulzer has the answer. Use tie tacks--two, three or four of them to fasten the patch to cap or jacket. Try it, you'll like it!

Our sympathy is extended to the Boeryp family at the death of Ruth's mother, Mrs. Rebecca Langset.

We wish to express our sympathy also to the Tubbs in the loss of his father; and to the Wilsons in the loss of their brother-in-law Fred Long.

The Marquette County Harvest Festival will be held on Sept. 27, 28 and 29. Entries are on Wed. night Sept. 26 from 6-10 P.M. Books listing all entries can be picked up at the Extension office, Chambers of Commerce and some stores. Several rock and lapidary classes are listed for competition. Don't forget to read the book for all the listings and directions about exhibiting along with the many programs being offered throughout the event. Promote this county wide event by exhibiting and attending. See you there!

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FIELD TRIP TO WAUSEON, OHIO

.....Dorothy and Frazier Tubbs

On the first weekend in June some of the members of the IR&MC attended the Swap held by the State Line Gem and Mineral Club in the Fulton Co. Fairgrounds at Wauseon, Ohio.

We started on Thursday, May 31st as soon as Frazier got through working and met the Hodgins who were waiting for us at the intersection of M35 and Co. Rd. 480. We drove to the State park at St. Ignace where we stayed that night. Started for Ohio early the next morning. Found the trip to be much less tiresome with frequent rest stops and lower driving speeds to conserve gasoline. When we drove in to the fairgrounds we found the Sains and Andersons already there and places next to them for our trailers. Arnold Mulzer was staying in a nearby motel.

For us Saturday was a day of reunions with our State Line friends and we did very little swapping. Arnold was the one who was really having a great time swapping. He certainly won friends with his swapping and giving away Marquette Co. jasper. The State Line club had a delicious pot-luck supper on Saturday evening, followed by a Midwest Federation Cracker Barrel meeting and a travelogue to Australia.

Early Sunday morning we started for Pugh Quarry. It rained hard most of the way down there but cleared about the time we reached our destination. There had been no recent blasting in the quarry so top quality Calcite specimens were hard to find. One of our State line guides, Don Robinson, found some small Barite roses which he shared with the ladies present. Louis Fischer, President of the State Line Club and our other guide, gave everyone lovely small specimens of materials to be found in Southern Michigan and Northern Ohio.

Everyone departed Sunday afternoon, having enjoyed a wonderful weekend. Arnold Mulzer had such a good time that he made a reservation at the motel for the first weekend of June 1974.

FIELD TRIP IN MARQUETTE CO.

.....Arnold Mulzer

Members of the Ishpeming Rock and Mineral Club got off to a good start on the summer field trips with the first outing on May 26th. The trip was guided by Bob Markert who took up to the Palmer Ridge where specimens of Gesshite and grape ore are found. Downstate rockhounds staying at the Markerts joined us on the Ridge. After a picnic lunch we were taken to the Vona pits where Glenn Gregg and about 30 members of the Charlevoix club joined us. Quality and quantity of Vona dolomite was the topic.

To top off a perfect day, Bob took us to the Phacocryst area north of Negaunee where a porphyry outcropping gave us a choice of more nice specimens than we could possibly carry. This trip was not all easy as it was at least a 3/4 mile hike through the woods with no path. Thanks to Bob's woods knowledge for getting us in and out! Andersons, Dunhams, Hodgins, Johnsons, Mulzer, Sains, Tubbs, Westers and Joe McCarthy enjoyed the full day.

Keweenaw Field Trip - Aug. 18 & 19

.....L. W.Sain

Arrangements for the trip were made by Frazier and Dorothy Tubbs but due to a death in the family they were unable to lead us. They had secured permission for our club to work on some of the poor rock piles north of the Cliff mine. When they found they couldn't be present they made arrangements with Olive and I to take the waiver blanks for all to sign and for Adolph Hyvonen to lead us to the Central Silver and Cliff mines.

We all assembled on Saturday morning at the Central sign on U.S.41 where Adolph was waiting. Shortly after 9:00a.m. we left for the Central Silver. Everyone was eager to work and took up stations to dig where they hoped they might find copper. Numerous metal detectors were in evidence. Just about everyone found some copper. Adolph found a couple of small datolite nodules. Vern Miljour and Christine found a good sized copper specimen. Carl Gutman was well pleased with the micro-mounting specimens he found.

After a warm morning of continuous diggind we broke for lunch. (We had quite a few visitors during the morning but none stayed for long.) While we were eating lunch Adolph discovered that he had locked his keys in his new car. It was Joe Dunham to the rescue. He managed to open the inside lock by fishing with a wire through a small opening in the window. Needless to say Adolph appreciated it very much!

Having finished lunch we headed for the Cliff mine. As the day wore on the hot sun drove most of the group off the piles and they headed for cooler places such as the beaches. The Gutmans stayed to pick choke cherries. Adolph and the Sains were the last to call it a day. Some copper was found and also prehnite.

Sunday morning we met at the Eagle Harbor Post Office. We had lost a few of our party however we were joined by George Bell and a friend. When 9:00 a.m. arrived we headed for Lookout mountain to dig for Thomsonites. Everyone enjoyed the beautiful view and digging for the nodules of Thomsonite or breaking them out of the matrix. A fair amount were found but mainly small ones.

George Bell suggested a rock ledge beyond the end of U.S. 41 for the afternoon where agates could be broken out of the matrix. Everyone was ready and willing to try out another place. We stopped at Madora Creek picnic grounds to eat lunch and then went on to the ledge. The ledge was about a half mile walk from where we parked our cars. George broke out some nice agates and Joe broke out some, too. Others of the group went exploring and to do some high grading. Pat Elie and Olive found some amethyst and quartz crystals.

All of us stayed out too long and ended up getting thoroughly soaked as quite a shower came up before we could get back to the cars. The wet ferns and brush completed the job started by the shower.

Everyone agreed that they had had a wonderful field trip and thank the Tubbs for making all arrangements.

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Calendar of SHOWS

Sept. 28-30. Maplewood Mineral Club. Har-Mar-Mall, 2100 N. Snelling Ave., St. Paul, Minnesota.

Oct. 5-7. Flint Rock & Gem Club. Williams Community Educational Center, 3501 Minnesota Ave., Flint, Mich. Exhibits, demonstrations, programs and dealers. No tailgating on premises.

Oct. 6-7. Racine Geological Society. Memorial Hall, 7th and Lake St., Racine, Wis. Exhibits, dealers, etc.

Oct. 12-14. The Greater Detroit International Gem and Mineral Show. Sponsored by the Michigan Mineralogical Society and 7 other clubs. 4400 E. Eight Mile Rd., Detroit, Mich. Special exhibits from museums, club and member exhibits, demonstrations, educational programs, etc.

Oct. 13-14. Anoka Co. Gem and Mineral Club. Apache Plaza Shopping Center, 37th Ave. N.E. & Silver Lake Rd., Minneapolis, Minn. Exhibits, dealers, etc.

Oct. 26-28. Central Mich. Lapidary & Mineral Society. Michigan National Guard Armory, 2500 S. Washington Ave., Lansing, Mich.

Oct. 27-28. Bloomington Mineral Club. Northtown Center, 398 N.E. Northtown Drive, Minneapolis, Minn.

Nov. 3-4. Museum Rock & Mineral Club. Park Plaza, Oshkosh, Wis.

Nov. 3-4. Sheboygan Co. Rock & Mineral Society. Sheboygan YMCA, 812 Burlington Drive, Sheboygan, Wis.

Nov. 10-12. Madison Lapidary & Mineral Club. 112 Fairchild St., Madison, Wis.

June 13-16. Midwest and American Federation Convention and show combined Lincoln, Nebraska.

May 16-18, 1975. Clark County Gem Collectors, Inc. Convention and Show. Convention Center, Las Vegas, Nevada.

**I have listed the 1974 Midwest Show and the special show in 1975 so that you have them in mind as you plan for vacations in those years. In order to get your vacation to attend a particular event you have to request that time almost a year in advance. O'S.

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A gemstone is a mineral hard enough to take a high polish and durable enough to retain it.


















In general, mosiacs are pictures made up of colored pieces of glass and other materials, while intarsias are made strictly of cut stones.

"Few of us ever get dizzy from doing good turns."

"Oversleeping is a mighty poor way to make your dreams come true."

...via Northeast Iowa Rock Club News

ROCKS AND MINERALS

1	2		3			4		5
6						7	8	
9						10		
			11		12			
13								
		14					15	
16	17					18		19
20								21
		22						

DOWN

1. Short for Dorothy.
2. Useful metal, used to make steel.
3. A beautiful rock used for statues and fine buildings.
4. Opposite of light.
5. Yellowish-brown substance formed from sap of pine trees buried long ago. Necklaces are made from this.
8. Rhode Island. (Abbr.)
12. Red-yellow metal used for electric wires, ornamental dishes, coin, many things.
13. Boys' marbles used to be made of this. It is streaked with many colors.
14. At this place.
15. This many-colored gam used to be considered bad luck.
17. Georgia. (Abbr.)
19. Finish.

ACROSS

1. Beautiful jewel; hardest mineral.
6. Either
7. Limb
9. Trip, esp. one planned or guided.
10. Part of the body.
11. Opposite of front.
14. A pile.
16. Years old.
18. Religious leader in the Vatican.
20. Sticky black substance.
21. Give me eraser, please.
22. Precious gem, color--dark green.

(This puzzle was from a Treasury Book of Crosswords. The answer to the puzzle will be in the next Jaspilite. Submitted by Sheryl Johnson.)

MOOSE LAKE AGATE DAYS

.....Olive Sain

We had heard so much about Agate Days at Moose Lake that attending the event was high on our priority list. This year fate smiled on us and off we went; a day and a half early as we were certain the city campground would be overflowing. The Andersons were as eager as we were to get back to one of our favorite collecting areas. Frances and Van Hodgins arranged a busy work schedule so they could join in the activities Sat. July 14.

If you want to see lots of agates on display, in trunks of cars, in pails, on tables, in cans or what have you--attend their "agate days". Most of the displays in the large tent featured agates and Minnesota Thomsonite. The outstanding exhibit was made by Roland Shyder, Aurora, Ill. He had a jade hawk on a rhodocrosite background, a Dutch windmill about a foot high, a kona dolomite carved squirrel, a sable and many lovely pieces of jewelry. He has won awards on some of these articles. He also showed us pictures of a miniature log cabin of petrified wood logs with all detail executed in keeping with pioneer cabins.

one
Saturday forenoon just about every/attended the field trips to the

.....Moose Lake Agate Days....

county pit and the Soo Line pit. Everyone found some agates.

The agate scramble Sat. afternoon was a novel experience. Over 200# of agates were salted in a truck load of gravel. At a given signal the truck started up, the tail gate opened and soon the gravel was pouring out as the truck circled the parking lot. Another signal, and all the bystanders with their bags flocked in to scramble for the agates. The agates were as dirty as in the pit by now and hard to see. The old timers who had been there before knew enough to bring squirt bottles or have the kids sit down in likely spots for later searching. It was great fun and we did get some agates.

Also bought agatas from some local people. One fellow said he had several tons in his barn that he had purchasad from farm children! He was selling from his car and also at the tent--he had some beauties; up to 8 #! We did some swapping in the campgrounds in the evenings. It was graat! Would suraly like to go again.

HAVE YOU THOUGHT ABOUT YOUR COLLECTION LATELY?

I bought a dead man's rock collection the other day and as I was sorting the rocks the thought came to me "who is going to pick over my rock collection?"

Every Rockhound has a rock collection, some quite valuable. All of us have at least one rock or mineral or gem stone that we would like for someone to have someday. But how are you going to be sure that someone gets it after you are gone?

Of course, you could give it to them before you die but that would deprive you of the pleasure of possession and display and as you don't know just when you will die, you might be without your collection for quite some time.

Perhaps a few pieces should be given away, but it would seem reasonable that the bulk of your collection should remain in your possession as long as it gives you pleasure. You should leave written instructions regarding the disposition of your collection, even incorporating this as a part of your will.

Perhaps the bulk of your collection should be sold. In which case arrangements should be made with a trusted rock dealer to supervise the sale or even to buy the entire lot.

In case you have some valuable pieces, it might be advisable to consult your attorney and accountant.

Is your will up to date? Who is going to pick over your rock collection?

.....Arthur C. Howlett, Pub. Ch., The Pick&Shovel

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"Enthusiasm is a flame that melts opposition and molds success."

EPOXY RESIN WARNING

An epidemic of lung disorders from new types of plastics has become a widespread problem in industry and now becoming a serious threat in many homes, a U. Of Wis. researcher reported.

The main offenders are polyurethane plastics, epoxy resins, and phenolic resins. They can cause anything from asthma-like symptoms to permanent lung damage according to Dr. J. Rankin, Ch. of preventive medicine at the University of Wisconsin, Madison.

The potentially hazardous plastic compounds are coming into wider use in homes for repairs and hobbies. He called for government action to require warning labels on containers with these substances because the 'user now has no way of knowing the danger'. (Chicago Tribune)

The National Safety Council has issued a warning on the Epoxy Resin Systems and hazards encountered during their use. It is possible to develop a contact dermatitis from contamination of the skin with these materials, so it is important that you know of this warning, and heed it.

Some liquid Epoxy Resins contain active skin and eye irritants. When the skin is contaminated with these materials, Contact Dermatitis may result. Eye contact may cause severe eye damage. Vapors from materials which have hardened for several days can still cause sensitization of persons who have become sensitized previously, if special care during grinding, sawing, drilling and polishing is not taken. Dust from these operations should be avoided, and breathing filters worn. It is also necessary to establish meticulous working habits. Bench tops, floor surfaces, and all work areas should be covered with disposable materials. An adequate supply of paper towels should be available to wipe up spills and splashes. Tools and other equipment which has been in contact with the Epoxy should be cleaned, and equipment and materials of disposable nature must be discarded as soon as possible.

The reaction to the Epoxy may be delayed for several days or even months. Any person suffering from respiratory symptoms, headache, skin reactions, or other complaints after working with the resins should seek medical aid. Anyone working extensively with these materials should seek and read all available literature. Remember to read carefully all directions which come with such materials before beginning to use them.

.....Otto Ensminger
Via...The Template; Earth Science
News

"Don't worry about your station in life; someone is sure to tell you where to get off."

"We owe so much to the garden spade. It gives a husband one place where he can put his foot down."

"The worst boss anyone can have is a bad habit."

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. 137 - September 1973

Cincinnati report

The 1973 MWF Convention/Show hosted by the Cincinnati Mineral Society is now a part of history, not soon to be forgotten. This event should be entered in the annals of the Cincinnati Mineral Soc. as their finest hour. The excellent facilities, superb quality of exhibits, lectures, and demonstrations along with the gracious hospitality of the members of the Cincinnati Mineral Soc. will place this event well up in the list of outstanding Convention/Shows held through-out the country. All the members of the host Society should be very proud of their achievements.

At the MWF Council Meeting on Saturday July, 28, the following items were acted upon:

The proposed By-Laws changes were voted upon and accepted.

The MWF added two more dedicated persons to its list of Honorary Members, they are Dr. Kiril Spiroff, Houghton, MI and Russell Greer, Muskegon, MI. Both of these men are extremely deserving of such recognition.

Dr. Dwayne D. Stone, Marietta, Ohio was introduced as presidential appointee to the Board of Electors of the Scholarship Foundation for the MWF.

The Nominating Committee slate for the offices of the Federation was elected to office for the year 1973-74, they are: President, Mark Harris; 1st V.P. Terry Huizing; 2nd V.P. Howard Taylor; Secretary, Miss Jean Reynolds; Treasurer, Mrs. Joseph McCloskey.

On the Nominating Committee Ballot, slate "A" was elected to serve for a three year term, they are: Dorothy Gleiser and Dean Anderson.

Two resolutions were presented to and acted upon by the Council, the accepted resolutions will be published in the Newsletter.

Last but not least, the "Place To Go In '74" Lincoln, Nebraska, this is only a year away so it is not too soon to start planning for the NATIONAL GEM AND MINERAL SHOW, June 13-16, 1974, hosted by the Lincoln Gem and Mineral Club of Lincoln, Nebraska.

The Midwest Federation was royally represented at the National Show/Convention at Charlotte, N.C. by the attendance of many Past Presidents and both current Directors. We were justly proud of the MWF in the National competition

State of Nebraska publishes field guides

The state of Nebraska, where the 1974 Midwest-American Federation national show and convention will be held in Lincoln, has just published the first five field guides to its collecting sites. When complete, the series will include 25 such guides. Each guide consists of a bedrock map and cross section across the rocks of southern Nebraska, in color, with several pages folded inside which map and describe each location and illustrate fossils to be found there. Nebraska had previously been mindful of the needs of collectors with its two excellent educational Circulars, "Record in Rock," a handbook of Nebraska's invertebrate fossils, and "Minerals and Gemstones of Nebraska," both by Roger Pabian of the Conservation and Survey division of the University of Nebraska, Lincoln 68508. Price of the guides is 10 cents each.

Of particular interest is the fact that the guides have been financed in large part by the Nebraska Geological Society and the Lincoln Gem and Mineral club. "To the best of our knowledge," Pabian writes, "this is the first time we know of professional and amateur earth science organizations cooperating to help put out a series of publications."

when the MWF Clubs received 18 awards in the All American Club Contest along with three of the four top awards in the National Bulletin Contest. Along with this, three of the MWF Clubs have received 2,000% Placques from the Scholarship Foundation, they are: Richland Lithic and Lapidary Soc., Ohio, 2,000%; West Suburban Lapidary Club, IL, 2,000%; Peru Y.M.C.A. Rock and Mineral Club, Ind., 2,200%. We are also very proud of the MWF Society Members who participated in the AFMS Uniform Rules Trophy Competition with their excellent exhibits.



Johnny Horizon says
**THIS IS YOUR LAND
KEEP IT CLEAN**

Glenn Lee is elected by scholarship fund

Glenn Lee, of Pendleton, Ore., retiring president of the Northwest Federation, was elected president of the Scholarship Foundation Inc., at the AFMS-Eastern Federation convention in Charlotte, NC. He succeeds Paul Seel. Mignon Wagner of the South Central Federation was elected secretary. She has been acting secretary since the resignation of Miss June Lang.

Ellis Courter, treasurer, reported that the Scholarship Fund of the Foundation now is nearly \$150,000, of which more than \$16,000 has come from redemption of Betty Crocker coupons collected by the individual clubs. Income from investment of the Fund is more than adequate, Courter reported, to provide the present scholarships of \$750 a year for two years for six graduate students. One scholar is selected by each of the six regional federations annually. The Foundation may be able to raise the stipend of each scholar, Seel said, by \$50.

Directors elected for 1974 are: Alberta Best, California; David Jensen, Eastern; Russell MacFall, Midwest; Joe Bybee, Northwest; Louis Reeves, Rocky Mountain, and Lester Sunvission, South Central. Directors are the governing body of the Foundation, are the liaison between the AFMS and regional federation, and participate in selection of the Award winners who choose the scholars.

All-American club awards are announced

The winner of the national award in the All American Federation Club competition for public service was the Mineral and Gem Society of Castro Valley, Calif. Awards were announced by Col. Bertram H. Johnson, chairman of the AFMS Education committee, at the Eastern-AFMS convention in Charlotte, NC

MIDWEST FEDERATION:

TROPHY WINNER: Dallas County Rock Club, Lake County Gem and Mineral Society, Evansville Lapidary Society, and McDonnell Douglas Gem and Mineral Society.

HONORABLE MENTION: Old Capitol Geological Club, Lincoln Gem and Mineral Club, Earth Science Club of Northern Illinois, Calumet Gem and Mineral Society, Bloomington Mineral Club, Duneland Rock Club, Inc., Flint Rock and Gem Club, and Midwest Mineralogical and Lapidary Society of Dearborn.

PARTICIPATION CERTIFICATES: State Line Gem and Mineral Society, The Roamin Club, Gem City Rock Club, Pike County Mineral and Gem Society, Chicago Rocks and Mineral Society, and Michigan Gem and Mineral Society.

WELCOME TO THE FOLLOWING NEW CLUBS

Dry Dredgers (fossil club)
Mr. Roger D. Laib, President
1444 Hill Avenue
Cincinnati, Ohio 45231

Lewis and Clark Gem and Mineral Society
Russell Harper, President
1809 Whiting Drive
Yankton, South Dakota 57078

Prize winning bulletins receive AFMS awards

Editors from the Midwest Federation made the strongest showing in the AFMS Bulletin Awards given at the AFMS-Eastern Federation show at Charlotte, NC. Otherwise, honors were well divided among the other federations. The contest was directed by Mrs. June Culp Zeitner, AFMS Club Publications committee chairman.

First prize for standard-size bulletins went to the Pyriter of the Dallas County Rock Club, Adel, IA, Willard Lamb editor. Second was The Pegmatite of the San Diego Mineral and Gem Society, San Diego, CA, Ruth Watson editor. Third was The East Bay Nodule, of the East Bay Mineral Society, Oakland, CA, Agnes Hall editor.

Those receiving honorable mention were the Rockpile, the Mineralogical and Lapidary Society of Dearborn, Mich., Joyce Hanschu editor; The Stone Chipper, Austin Gem and Mineral Society, Austin, Texas, Mignon Wagner, editor; The Diggers, Gold Hill Digger Rock Club, Potlatch, Idaho, Florence Anderson, editor; and The T-Town Rockhound, Tulsa Rock and

Bernard Parr former president of the Midwest Federation, was judge in a new category, that for special publications by a club or federation. His first award was to a special issue of Flint Flashes, bulletin of the Licking County Rock and Mineral Society, Newark, OH, called Safety Tips. The issue was compiled by Howard and Helen Smith. Second place was awarded to the quarterly Bulletin Editors News issued to club editors in the Midwest Federation by Paul Good, of Griffith, Ind.

Mrs. Zeitner placed 612 club bulletins on display in the bulletin booth at the Charlotte show, where more than 80 editors registered. More than 100 persons attended the editors' breakfast, which was in the charge of Bert Kennedy of the Charlotte host club.



The Place to Go in '74.....

NATIONAL GEM & MINERAL SHOW - JUNE 13-16 - LINCOLN, NEBRASKA



PETOSKEY STONES



State Stone of Michigan
.....Ralph G. Gillespie
via- Mich. Lapidary Soc.

The Petoskey stone is a Tetracoral (Colony Coral) formed by the Devonian Age salt seas that covered Michigan in the area of the upper half of the Lower Peninsula, about 300 million years ago.

The scientific name of the Petoskey stone is Hexagonaria. Each coral animal was like a short six-sided lead pencil or drinking straw. Hundreds of individual corals associated themselves together in an almost regular pattern forming a colony. If you look down on the top of the Petoskey stone, you see a pattern of hexagonal (six-sided) eyes. If you turn the stone (90°) degrees or cut it in this position, you see the long coral sections.

Over these millions of years, the coral (Petoskey stone) has fossilized or been replaced by minerals (mostly limestone), thus changed to stone.

Michigan counties of Emmett, Charlevoix, Antrim, Cheboygan, Alpena, and Presque Isle all contain many Petoskey stones, although the gravel pits and shore line around Petoskey and Grand Traverse Bay and Little Traverse Bay are the best hunting ground for this fossil. Other nearby counties also contain a few of these stones. Some of the choicest stones are found in gravel pits on the shores of inland lakes and the shores of Lake Michigan from the Leelanau Peninsula and Harbor Springs, around Little Traverse Bay to Petoskey and south to below Charlevoix.

Petoskey stones are occasionally found as far south in Michigan's Lower Peninsula as the south shores of Lake Michigan and Lake Huron, but are not as plentiful as farther north.

Because true Petoskey stones are found only in Michigan, it was named Michigan's State stone in June 1965 when Governor George Romney signed Public Act 89 into law. They can be identified readily when wet, as the typical hexagon pattern shows clearly when the stone is in water or when water is put on the stone.

Petoskey stones can be sanded and polished by hand or on regular electrically driven gem maker sanding and polishing equipment. They may also be tumble polished, but must be tumbled with no other kinds of stones and special tumbling procedures are required to get satisfactory results.

They may be cut and polished to set in standard jewelry mountings, making beautiful and unusual jewelry. They are cut and polished for book-ends, desk pen bases, and other articles. Some hobbyists carve them into turtles, mushrooms, reptiles and other works of art.

When vacationing, Michigan rockhounds find that rock shops in other states want Petoskey stone and readily trade for other desired materials.

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HAND POLISHING PETOSKEY STONES

.....Frank Rickard
Central Mich. Lapidary & Mineral Soc.

Material

Petoskey stones, 3 inches or less in diameter. If they are beach polished, or lightly tumbled, using only sand and gravel as grit, the work will go faster.

Silicon carbide sandpaper (wet or dry) #180, 220, 320, 400 and #600.

Pieces of inner tubing or thick newspapers.

Pieces of cotton velvet.

Water.

Polishing powder (Ultragloss or Grieger's Perfection).

Method

Use a thick pad of tire rubber or newspapers under each piece of sandpaper or cotton velvet. The pad should be a little larger than the sandpaper or velvet.

Use the sandpaper full size or half-sheet size, and work the stone around all parts of the paper for economical use of the paper. Hold the dampened stone firmly in the hand, and rub the area of the stone to be polished on the sandpaper with a steady, light, rotating motion.

Begin with coarse paper #180. If the stones have been pre-smoothed you can start with #200. Rinse, dry, and examine for marks to be removed. This first sanding done well is very important, and saves time and disappointment later on.

Repeat with #320 paper. Stones should look almost finished after this sanding. At any step where flaws in the finishing show, go back to an earlier sanding step and do over. Repeat the rinsing, drying, and checking each time before going to the next size paper.

Repeat with #400 paper. This step should remove scratches left from the coarser papers, and any white spots. Rinse, dry, and check.

Complete the sanding with #600 paper. Rinse and dry. Examine carefully for any checks or scratches. If there are any, go back to the #320 paper and repeat each succeeding step. When you have again finished with #600 and are satisfied with the appearance of your stone, you are ready for polishing.

To polish, sprinkle a very small amount of polishing powder on the slightly dampened velvet. A very short rotating rub does the polishing. Continued rubbing is not necessary. If any scratches show at this point, go back to the #400 paper and work through #600 paper and polish once more. Do this until your stone looks the way you want it.

Doing each step carefully should give you a finely polished stone, one to be proud of.

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TUMBLE POLISHING PETOSKEY STONES

....Ralph G. Gillespie

via- Mich. Lapidary Society

Most people think Petoskey stones cannot be tumble polished. However I have successfully done it as have many of my customers. Because Petoskey stone is soft and tends to grind away to nothing or to develop scratches when in contact with harder material, it must be tumbled alone--a complete load of nothing but Petoskey stone. It must also be tumbled using special procedures as follows:

For the small 3 pound tumbler:

Step 1-- Fill the tumbler $3/4$ full of Petoskey stones.

Add 6 heaping T. of #80 silicon grit.

Add water to just below the stone line.

Add 1 T. of Methosol, a thickening agent. (Product of Dow Chemical Co.) This helps develop sludge immediately and results in efficient grinding immediately.

Run tumbler 60-72 hours only.

Empty tumbler, thoroughly wash barrel and stones to remove all grit particles.

Step 2-- Replace stones in tumbler. Repeat step 1 except use 200 fine grit.

Step 3-- Replace stones in tumbler.

Add 3 heaping T. of pure tin oxide.

Add 1 T. Methosol.

Add plastic nallebs sufficient to bring level back to $3/4$ full.

Add water as in Step 1 and 2.

Add 1 rounded tsp. of oxalic acid powder.

Run tumbler 7-10 days opening barrel often to let off gas.

There may be a tendency to gas formation due to reaction between oxalic acid and the calcium carbonate of the stones.

When stones are polished, remove from tumbler.

Was tumbler and stones thoroughly.

Step 4-- Replace stones in tumbler.

Add 1 heaping T. of dry laundry detergent.

Add water to just under stone level.

Run tumbler for about 5 hours.

Remove stones and rinse in water.

WARNING- Oxalic acid is a poison. It is not corrosive and will not destroy clothing. It is used to remove blood stains and iron stains. Keep away from children. Do not get it in open cuts, the mouth or eyes.

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FULGERITES: Fulgerites are gifts from the sky. When lightning strikes loose sand it turns it into pipes of quartz glass. Sometimes they are found in fantastic shapes.

A good place to look for FULGERITES is on top of the sand dunes along Lake Michigan.....via- Points of Interest.

CHARMS FOR HALLOWEEN

.....Margaret Drake Elliott

Halloween is almost here. This is the time for witches, ghosts, ghouls and all manner of evil spirits.

Looking around at meetings during the past year, I see that most of the members are well protected against any of these spirits that may be abroad in October. These rockhounds are well fortified against the evil eye, witchcraft, many diseases and just general bad luck, for they are wearing many kinds of amulets, charms and safeguards. Of course, we call them "jewelry".

Much of the magical lore of rocks and minerals has been lost in antiquity, but it is surprising how much one can "dig up". I could not go to the Midwest in the U.P., so much of my rock-hunting recently has been in old tomes and volumes hundreds of years old.

I remember the smooth oval granite rock on the porch of my Indian friends at L'Anse and Zeba, the so-called "thunderbird egg" that "protected" them against lightning striking. Almost every house had one of these rocks and they must have worked for no one had ever known of a house in the villages being struck.

More recently, my friend opened her purse and there was her "worry stone", polished and worn smooth from much handling.

I was delighted the other day when in an old drawer, carefully wrapped in cotton, I found the small, round, black stone used by Aunt Diana (born with a veil over her eyes and with second sight) in place of a crystal ball.

Now in my own purse is a little flat round pebble painted like a lady-bug - doubly charmed because the insect and pebble are BOTH lucky.

Our pebble pups will be glad to know that in the old days, all pebbles were considered lucky. These small stones were scattered about on the floor to keep witches away. They helped in getting rid of warts, too. Count the number of warts and bury the same number of pebbles; supposedly the warts will disappear, but no time is allotted for the "cure". Small, black, kidney-shaped stones were potent charms against the evil eye and for health and wealth.

Pebbles with a hole in them were especially desirable and larger stones with holes were used to prevent nightmares, bewitchment and to insure the loved one's affection. Bruises and concussions were treated by being bathed with water in which red-hot stones had been placed. Any stone with a complete circle of a different color was much sought after as a "lucky stone" to wear or carry.

There were several ways in which rocks could accomplish their charms. The two chief ways were by wearing as an amulet or carrying concealed about one's person. Then, many became potent when powdered and taken internally in water or wine; some were used as fumigants. Most of us wear ours as jewelry - bracelets, rings, necklaces and of course, the

.....continued..

.....CHARMS OF HALLOWEEN

men have tie tacks, bolas, key rings, for they need protection, too.

Since most of our jewelry combines metal and rocks, let us take a look at the four common metals first. These have come down to us from the dark ages of antiquity. Lead as an amulet or placed near the entrance of the house was an "excellent" protection against all evil spirits.

Iron was used in amulets, jewelry and ornaments to drive devils away. Remember the iron horse shoe in early America?

Silver has special significance and because it is purported to be the color of moonlight was especially effective at night. Bullets and spikes were made of it to destroy the power of witches, warlocks, vampires and werewolves, all creatures of the night.

Gold, ruled by the sun, was used for preparing amulets for fame, fortune, favor and wealth. Wearing it was conducive to long life and happiness. A combination of silver and gold offers protection both day and night! So much for your favorite metal; take a look at your jewelry and rest easy.

No rockhound in Michigan should ever have bad luck, for there are so many charming rocks he can find here. AGATES are among the very popular and many of you have agate jewelry and you are lucky for they protect you against snake and insect bites. Had you noticed? Wearers of agates were favored by the mighty and were calm, refreshed with a strengthened heart. Fumigation with agates protected against storms and climatic disasters. Also these were truth talismans and if placed under the left breast of a sleeping woman, she would tell the truth. (Cheaper than serum or polygraph tests).

Always there are many beautiful CHALCEDONIES at our meetings; their wearers should be lucky in law and love, energetic, strong, free of melancholy and illusions. CHRYSOPRASE gave strength to the eyes and brought happiness; CARNELIAN in a ring was for happiness and good luck. If applied to a wound it would stop bleeding and make the wearer calm, generous and friendly. BLOODSTONES also stopped bleeding, prevented miscarriages and brought fame and long life. Under the pillow they brought dreams of the future.

FLINT was much prized by the ancients because of its attribute to "strike fire". Because of this it kept incubi and other evil spirits, as well as wild animals away. With a hole in it, it prevented nightmares and thrown over the shoulder to the west, it brought rain.

Michigan's official rock, the PETOSKEY stone is a CORAL and so when worn as an amulet prevented witchcraft, evil eye, poisoning, and protected against storms. Best of all it protected the wearer "against his own foolishness". I received a lovely one on my retirement. Wasn't it appropriate? CORALS were worn against stomach pain, consumption and epilepsy (sort of a "miracle" rock before antibiotics took over). Tradition has it that red coral turns pale when its owner is ill.

CRYSTAL (quartz), once thought to be "hardened water", is still used

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.....CHARMS FOR HALLOWEEN

for divination balls and smaller ones are worn against the wasting diseases, witchcraft and the evil eye.

JASPER was used against dysentery, nightmares and hallucinations.

ANTIMONY was used against witchcraft also, as well as demons and its specialty was knife wounds.

Many gemstones were chosen as birthstones, and as such bring special consideration to their wearers in addition to their general qualities and attributes.

Ancients say that GARNETS bring the wearer happiness but hinder love (single blessedness, maybe?). RUBIES were worn against poison and sadness and were said to turn dark or cloudy when danger threatened.

AMETHYSTS were to prevent drunkenness and taken in potions were an antidote for sterility and poisoning. It made the wearer witty, wise and improved his memory. If a man wore it, good women would love him and when worn to bed, it produced pleasant dreams.

EMERALDS brought good fortune and wealth and the ability to foretell the future. They banished evil spirits and insects and some said they would reveal a lover's unfaithfulness!

DIAMONDS, because of hardness, endowed wearers with strength and invulnerability and brought victory when worn on the left hand. Historically they were used as a talisman to unite husband and wife after a quarrel. Some used them as a test for adultery! So, now we use it as an engagement gem.

LAPIS LAZULI rated highly as a cure for melancholy. TOPAZ was against lust, greed and insanity and for wisdom, wealth and beauty. (Notice how many of these are in threes; that was a charmed number). TURQUOISE favored good fortune and protected against the evil eye, falls, injuries and enemies; it also brought married couples together following disagreements. As with coral, a change of color indicates the health of the wearer. JACINTH drove away melancholy and as a gift brought affection. As an amulet, it made the wearer cheery, friendly and successful in business and in making money. Ruled by the sun, jacinth changed with the weather.

JADE and JET are two very popular ancient stones. Oriental jade was worn for long life, health and to prevent misfortune. Powdered in potions it was taken for asthma and digestive diseases. Jet, greatly valued in Ireland, when used as a fumigant drove away hallucinations and the old Celts extolled it for 8 attributes as an all-purpose stone: power against storms, demons, poison, specific illness, sorcery, snakes and to procure a smooth body and sight of lost objects. As jet, LODESTONES and METEORITES were multi-purpose stones and you are probably lucky to have one in your collection!

Now, for Halloween there is nothing more useful than common SALT, for there is no one thing witches abhor more than salt. It is a powerful protection for they simply cannot eat it - not the tiniest grain. For us it brings good luck (spilling it is bad), good health (unless over-

.....continued..

.....CHARMS FOR HALLOWEEN
done), longevity and it strengthens and lengthens love. Isn't Michigan fortunate to have such a supply of this magical substance?

What are you going to do as a rockhound on Halloween? I suggest you wear a charm bracelet with as many of your charm stones as you can manage, then scatter a few pebbles by your front door, sit down with a well-salted bowl of popcorn and slip a rock under your pillow to prevent nightmares and to bring pleasant dreams.

But, what's Halloween without witches? Sweep away the pebbles and meet the little ghosts at the front door with treats! It's only once a year and your charms will work the whole year through.

.....via The Prospector

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Description of a ROCK HOUND

..Matt Saari, Ely, Minn. (Little Gem)

In a way, we are an odd lot because we have asked for no government appropriations to expand our recreational opportunities. We're inquisitive people; citizens with a thirst for knowledge, regarding learning and discovery as great and even spectacular adventures.

We lug home heavy bags of rocks which are worth little or nothing. But we also bring back color in our cheeks, muscles all limbered up, appetites like plow horses and an unwavering belief in our ability to jump over the garden gate.

The rockhound destroys nothing. He picks up stuff nobody has ever wanted or needed, otherwise it wouldn't be there. If it should ever be needed, it's well preserved on tables in living rooms, on window sills, in basements, in pockets, on porches and in trunks of cars owned by rock hounds.

Rockhounds just amble quietly along la'eshores and up crooked ravines. They climb bluffs and mountains. Belly-deep breathing of hilltop air cleans the smog out of their flues, burns the carbon from their valves.

Because they feel good, they're agreeable, pleasant persons to be with. Old rock hounds never die.....they just petrify.

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CHARGE FOR MAILING

...to have such a supply of this medical substance... (and), however, and if treatment and treatment love, last Michigan

what are you going to do as a rockhound on Halloween? I suggest you

Return Postage guaranteed

3rd issue, 1973

JASPILITE

Ishpeming Rock and Mineral Club, Inc.

Laurence and Olive Sain, editors

818 West Kaye Avenue

Marquette, Michigan 49855

Encyclopedia Britanica; Popular Antiquities of Great Britain; John...
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and W. H. Murray; Robert Murray; The Power in the World
Henry W. Henshaw; Alchemist in the World Today; C. N. Wallace.



Description of a ROCK HOUND

Mr & Mrs. C. Robert Markert
R. 1, Box 620
Ishpeming, Michigan 49849

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by itself, it's well preserved on tables in living rooms, on window
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by rock hounds.

Rock hounds just amble dutifully along in a-ssholes and no crowd ravines.
They climb hills and mountains. Belly-down breathing of million air
cleans the nose out of their lungs, burns the carbon from their valves.
Because they fall food, they're extra-thick, disease-prone to be with.
Old rock hounds never die....they just writhle.