

Dec 1970

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 1970

President	Laurence Sain	Marquette
First Vice Pres.	Vernon Miljour	Gwinn
Sec. Vice Pres.	Olive Sain	Marquette
Recording Sec.	Pat Elie	Gwinn
Treasurer	Doris Hughes	Ishpeming
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Editor-Jaspilite	Claris Smith	Marquette

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

MEMBERSHIP: The Ishpeming Rock and Mineral Club Inc. is open to any one interested in the "Earth Sciences".

Initiation Fee	\$1.50
Husband and Wife	3.00
Adult	2.00
Juniors	1.00

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OUR PURPOSE

To enjoy, to learn, to teach and 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.



"Don't forget the
Christmas Party!"

Dec. 20 4:00 to 8:00 PM

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OPAL FIRES

The mysterious cause of the brilliant blue, green, red, and yellow fires of gem opal has at last been uncovered by an Australian scientist using an electron microscope. The rainbow flashing gemstones actually are composed of orderly layers of tiny amorphous spheres, neatly stacked row upon row, according to Dr. J.V. Sanders, with the commonwealth Scientific and Industrial Organisation of the University of Melbourne. Spaces or gaps occur between each of these spheres, which are bound together by more silica. It is the size of the spheres and the arrangement of the spaces that determine the colours and fires of the stones.

As ordinary daylight or white light penetrates into the transparent spheres it's scattered by the latticework of the spaces and deflected back to the surface of the opal in various colours. Radiating at angles determined by the wave length, it's the size of the spheres that determine the spaces and hence wave lengths and colours. Uniform small spheres give off violet to blue, while larger spheres give off reds to greens.

via: "The Rock Vein" & Stonepages

I wish to thank Laurence Sain, Pat Elie, Chris Miljour, Jeanne W. Halpern, Irene Lutes, Edith Anderson, Vernon Miljour, Helen Johnson, Mamie Jarvi and last but not least my husband, Bernard for articles appearing in this Jaspilite.

*** ** ** ** **

[Faint handwritten notes and sketches are visible at the bottom of the page, including a drawing of a rock specimen.]

THE LEGEND OF THE SAND DOLLAR
(or Keyhole Urchin)



There's a pretty little legend
That I would like to tell
Of the birth and death of Jesus
Found in this lowly shell.

If you examine closely
You'll see that you find here
Four nail holes and a fifth one
Made by a Roman's spear.

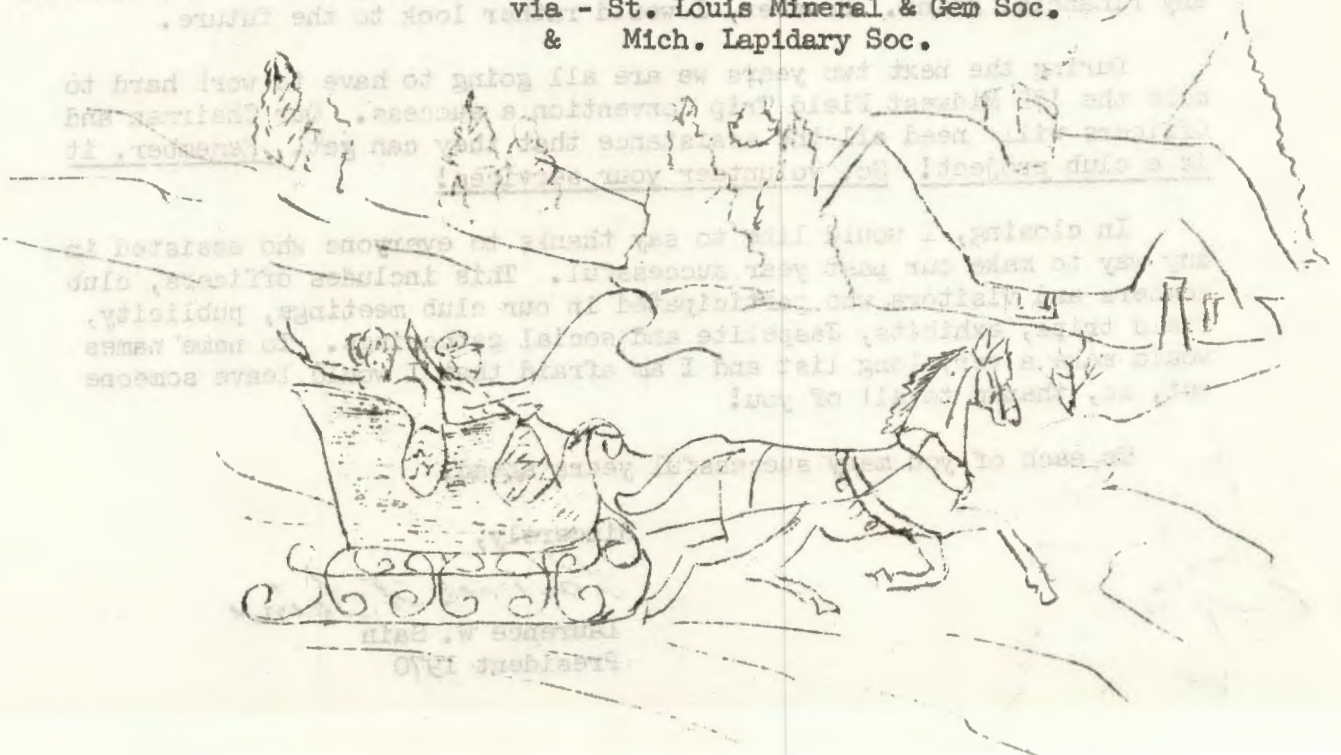
On one side the Easter Lily
Its center is the star
That appeared unto the shepherds
And led them from afar.

The Christmas poinsettia
Etched on the other side
Reminds us of His birthday
Our Happy Christmastide.

Now break the center open
And here you will release
The fine white doves awaiting
To spread Good will and peace.

This simple little symbol
Christ left for you and me
To help us spread His Gospel
Through all eternity.

via - St. Louis Mineral & Gem Soc.
& Mich. Lapidary Soc.



A LETTER FROM THE PRESIDENT

Dear Fellow Club Members:

Every president must sing his "swan song" at the close of his term of office and I hereby render mine.

I have enjoyed serving as your president during the past year and I hope that you have enjoyed the year also. I enjoyed it because the nature of the position demands participation and cooperation with the officers and club members. Through this participation I feel that I now have a better understanding of the internal organization and functions of the club and also have learned to know each of you better both as rockhounds and as friends. In addition to this from our programs and associations I have discovered new ideas about collecting, cutting and polishing as well as new collecting sites. All of this is a result of active participation in club activities. It has been a profitable and interesting year for me and I hope for the club also.

I know that it has been customary for presidents to serve for two years or more but it is my belief that the officers should be rotated annually so that more club members may serve and actively participate and better understand the club's purpose and internal workings. I believe that having served a year as president that I will be valuable to the club for the next few years in other capacities. I do not intend to stagnate and become a non-contributing member. If in the future my services were again requested it is possible that I might be persuaded to serve another term.

It would be interesting to review and reflect upon our accomplishments during the past year and I am confident that we all realize that we have had progress and an enjoyable year even though we haven't achieved any financial gains. However, I would rather look to the future.

During the next two years we are all going to have to work hard to make the '72 Midwest Field Trip Convention a success. Our Chairman and Officers will need all the assistance that they can get. Remember, it is a club project! So, volunteer your services!

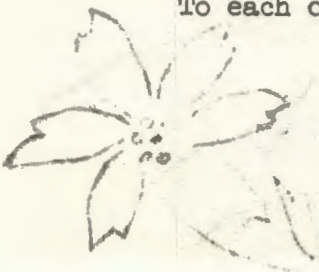
In closing, I would like to say thanks to everyone who assisted in any way to make our past year successful. This includes officers, club members and visitors who participated in our club meetings, publicity, field trips, exhibits, Jaspelite and social gatherings. To name names would make a very long list and I am afraid that I would leave someone out, so, thanks to all of you!

To each of you many successful years ahead.

Sincerely,

Laurence W. Sain

Laurence W. Sain
President 1970



Midwest Federation's NEWSLETTER



Published monthly except July and August as a service to member 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. 109 - November 1970

Liaison Officers

THE PROBLEM OF COMMUNICATION

At every meeting of the Midwest Federation, officers or club delegates, the problem of communication is brought up. It was brought up by Armin Steinhauser, chairman of the Federation convention show in Minneapolis this year, who described his difficulty of getting preregistration blanks and convention information to the clubs. Additional mailings at heavy expense were required because of an apparent breakdown of communication that prevented club members from getting this information.

The Federation some years ago set up a system of liaison officers for clubs that wished to make use of it. The liaison officer is the person in the club who receives all Federation mailings for the sole purpose of bringing them to the attention of the club members at meetings. The subject may be a change in Federation-club relations, some opportunity open to members, some award for which the club may compete, some new book or magazine of interest, some new officers in the Federation with whom the club may do business.

But if the liaison officer does not report on all communications at board and general club meetings; if the liaison officers report is not a regularly scheduled part of the business of such meetings, there is a gap in communication between the club and the Federation. This operates to the disadvantage of both and especially to the disadvantage of the club member, who is thereby deprived of his contact with the hobby as a whole.

The liaison officer has an important role in club affairs and should be an honored officer who carries out his duties with a deep sense of responsibility. If he does not, it should be the duty of the club officers to replace him with a more energetic member.

1971 Blanks

MERIT AWARDS

The Merit Award program of the Midwest Federation is one of its most highly regarded activities both from a public service as well as a public relations point of view. Such activities range in nature from educat-

UNIFORM RULES BOOKS

A copy of the new AFMS Uniform Rules (Red Book) and a copy of the Approved Reference List of Lapidary Material Names has been mailed to all clubs. If these copies are not received by your club within a reasonable time, please write to P.O. Box 1130, Des Moines, Iowa 50311 and give the name of your club and the name and address of the person in your club who should have received the copies. Additional copies will be available and the price and place to address your request for the additional copies will be announced in the December Newsletter.

ional work with the blind and handicapped and with school children to displays in libraries and schools and cooperation with the Boy Scouts, 4-H clubs and anti-litter campaigns.

Last year 29 clubs sent in their applications for the awards, which were given out at the 1970 convention in Minneapolis. In addition, winners are eligible for American Federation national Merit Awards. Five Midwest clubs won such awards last year.

The awards to be given in 1971 will be for public service projects during 1970. Blanks for application for awards will be sent out by Mrs. Gail Alexander, education committee chairman, early next year. But now is the time for the clubs to assemble clippings, pictures, and other information in a scrap book or other type of exhibit so that the record of the club's community service will be ready for the Education committee's judgment.

A Merit Awards is a high honor that recognizes those clubs which have the energy and leadership to seek opportunity beyond their club's hobby activities to make the community in which the club operates a better place for members and everyone else. A Federation which has more than 220 clubs should be receiving applications for Merit Awards from half of its clubs, because most clubs

-continued page 2, bottom of column 1

SCHOLARSHIP FOUNDATION REPORT

-by Katharine Steinbrenner, MWF Chairman

Congratulations to the following clubs that have reached the following standings:

- 500% State Line Gem and Mineral Society
Show Me Rockhound Association
- 400% Kettle Moraine Geological Society
Wabash Valley Gem and Mineral Society
- 300% Kyana Geological Society
- 200% Ishpeming Rock and Mineral Club
Family Lapidary Club
- 100% Grand Rapids Mineral Society

This past summer several clubs made their first contribution to the Scholarship Foundation. Checks have been received from the proceeds of Wishing Wells or other ideas at club shows. Keep those dollars for scholars rolling in. Thank you.

MEMBERSHIP REPORT FORMS

Clubs will be receiving forms in December for reporting membership to the Federation treasurer and for providing a list of officers and scheduled 1971 shows and other activities. These are for inclusion in the 1971 Midwest Federation Directory. New officers should make sure that the form is received and is promptly filled out and returned, as it is the basis for paying annual dues to the treasurer as well as of providing essential information for the Federation secretary and the Directory. This item is a preliminary reminder to expect the form. Further information will appear in the December Newsletter.

Retiring Officers Duties

THE NEW CLUB OFFICERS

Many of our clubs follow the custom of the Midwest Federation of installing new officers in November, or of electing them in that month and installing them in the next month. There are some major advantages to the clubs that do this, such as having the names of the new officers ready for publication in the next Federation directory. Fall installation also allows the new officers to become active in the new year and at the time when the clubs are devoting themselves to indoor programs.

Retiring officers have obligations at this time to inform their successors about unfinished business and especially to turn over to them files of publications and other material received from the Federation during the year. If the club's liaison officer has been active, the new officers will already have been informed about

merit awards... continued from page 1

have done some work of this sort. Now is the time to review the year's activities and prepare to compete for a Merit Award. If the review finds no worthy service done, made a new year's resolution to be ready to be a winner in 1972.

many of these matters; if not, the retiring president may have much material which should be brought to the attention of the new president so that communication with the Federation is maintained. This is to the advantage of the officers, the club and the Federation, too. Of course, the retiring secretary and treasurer should make sure that their affairs are in order and are easily understood by their successors. Some clubs maintain a permanent file where minutes, treasurer's books and Federation publications are stored for reference and for historical purposes.

1970 MWF BULLETIN CONTEST WINNERS

The winners of the MWF Bulletin Contest as announced in Minneapolis, Minn. at the annual convention are as follows.

1. The Prospector - Muskegon County Rock and Mineral Ass'n. Nancy Schulze, editor.
2. Show-Me Newsletter - Show-Me Rockhounds Ass'n. Oliver and Betty Roskam, editors.
3. The Conglomerate - Michigan Mineralogical Society. Ellis Courter, editor.
4. The Pick and Shovel - Lincoln Gem and Mineral Club, Inc. Norma Miller, editor.
5. Rock Ramblings - Lake Shore Mineral and Lapidary Society. Joanne Cline, editor.
6. The Geode - McDonnell Gem and Mineral Society. Ralph B. Heitman, editor.
7. The Rockpile - Midwest Mineralogical and Lapidary Society. Joyce Hanschu, editor.
8. Ozard Earth Science News - Ozark Earth Science Club. Olive Knight, editor.
9. The Calumet Gem - Calumet Gem and Mineral Society. Paul W. Good, editor.
10. The Michigan Gem News - Michigan Gem and Mineral Society. Leon Maxwell, editor.

A New Position Is Created and...

NEW DIRECTOR OF SUPPLIES APPOINTED

The work of the director of supplies and information has grown to the point that it will in the future be divided between two persons. Miss Dorothy Gleiser, 1066 Griffith Road, Lake Forest, Ill. 60045, will be director of supplies after November 1. All orders for Midwest Federation and American Federation publications and supplies should be ordered from her. Prices are given on page 15 of the 1970 Directory. Checks should be made payable to the Midwest Federation.

Verne Montgomery, 830 Sheridan Place, Downers Grove, Ill. 60515 will be director of information, responsible for providing state directors with material needed to carry out their work. He will also set up and operate Midwest Federation booths at club shows, answer questions about Federation affairs and be the liaison between the Midwest Federation and its official publication, Earth Science.

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Issue No. 110 - December 1970

A Message From Russell MacFall

OUR RETIRING PRESIDENT

A year in office not only teaches a great deal about the Midwest Federation, but also how much it and the other federations have done to bring our hobby to maturity and recognition in the United States. But these are days of change and the Federation must adapt to change. The old days of free and easy collecting are drawing to a close; the professional geologists will soon be so far ahead of the amateurs in skill and techniques that they will no longer easily communicate, and the business of the federations is becoming so demanding of time and talent that officers will soon need better organizations to help them with their jobs.

The Midwest Federation is now the largest of the regional federations in membership; its activities extend over more than a dozen states and more than 220 clubs. It has grown to this point in the last year and its prospects for further growth are sound. It has spent most of the money it has received for the direct benefit of its member clubs. Obviously, the future dictates that it must strengthen its organization and encourage its clubs to educate their members for a more sophisticated approach to our hobby. By so doing, they will not only keep pace with the growth of knowledge in the earth sciences but also derive more pleasure from their meetings, shows and field trips. Less emphasis on piling up specimens, less emphasis on annual shows and on making money from shows and more emphasis on widened opportunities for the individual member will make our Federation grow greater.

I have enjoyed my year as president of the Midwest Federation; I am passing on the office to a young man of ideas and ripe experience in whom I have faith.

Being Sent To All Clubs In December

MEMBERSHIP AND DIRECTORY INFORMATION FORMS

Clubs will be receiving this month the combined form for reporting to the Federation secretary, Miss Jean Reynolds their membership, their dues for the treasurer's records, and their officers and shows and other dates for the 1971 Directory and Calendar of Events. These necessary reports have been combined for the convenience of the club presidents and liaison officers who make them. In return, the Federation expects that the forms will be returned before the deadline so that the treasurer and the Directory editor can complete their work promptly and with a minimum of effort. They, too, are voluntary officers who are giving of their time and talent for the good of the Federation and its member clubs,

Prompt return of club information will make it possible to get out the Directory early in 1971 so that it will be of maximum usefulness to club members in their contacts with Federation officers, the officers of other clubs, and in attending shows and field trips.

Attention Club Program Chairman

New Program Chairman

Effective immediately all request for bookings of MWF Library Programs and any questions regarding them should be sent to

MRS. EVELYN HIRSCH

Route 1

Mitchell, Indiana 47446

Be sure to give Mrs. Hirsch a choice of dates when you could use the program you are requesting together with the name and address of the person to whom the program is to be shipped. Please include your zip code and follow the instructions she gives you regarding the return of the program.

THE EXECUTIVE COMMITTEE

of the MWF met in Evansville, Indiana on Saturday, November 7 and the Federation's new president, Jay Wollin, was installed. A report on this meeting will be carried in the January issue together with a message from our new president. Minutes of this meeting will be mailed to all member clubs.

HELP Eliminate Litter

3 Successful Shows

THE 1970 ROCKRAMAS

All three 1970 Rockramas are completed and from the reports were quite successful. The Kalamazoo Geological and Mineral Society of Michigan reported an attendance of over 4,000 persons. The Fairview Park Lapidary Society and the Parma Lapidary Club reported 4,600 in attendance at the big Rockrama at Berea, O. A report from the Blackhawk Rock Club of Rockford, Ill. indicates an attendance of over 6,000 persons at the Rockrama held in Oregon, Ill. This makes close to 15,000 persons who have been attracted to Rockramas in three locations.

These clubs are to be commended for the effort and enthusiasm which went into making these shows successful. None of these shows lost money which was all to the good. 1970, with three Rockramas, was the best year in a long time for this type of show.

I would like to express my thanks and the thanks of the Rockrama Committee to the club members, the dealers, and the many exhibitors who traveled many a long mile to display their efforts.

Now, about 1971. You will note that the three clubs with 1970 Rockramas were from the Eastern sector of the Federation. Each state has the privilege of hosting a Rockrama under the new rules. There can be eleven possible shows during a year. Admittedly it takes extra effort but the end result is worth it.

One club, the Valley Rock and Mineral Society, has been approved for a Rockrama show in Wisconsin in 1971. This leaves the field wide open for requests from clubs in the other states. If one club feels it cannot handle a show, why not combine with one or two other clubs. It can be made to work nicely.

The Rockrama Committee has material which will help you get started. This material will help you set up a show organization and start you off with some tested ideas on how to run various parts of the show. It also includes a list of the judges who might be available to judge a competitive show and a list of persons who have indicated to the MWF their willingness to provide special exhibits. There is also an article on how to write a newspaper release plus many more helpful hints.

Get your request in to the Rockrama Committee as soon as possible and let us see if we can have more Rockramas in 1971. Incidentally you do not have to call the show a Rockrama if you feel that the word "ROCK" is a dirty word in your area.

Send your request for information or bid for a date to M. J. Sharp, 3901 W. 210th St., Fairview Park, O. 44126. Phone (216/area) 331-7085.

SPONSOR A ROCKRAMA

in 1971

UNIFORM RULES BOOKS

Additional copies of the Uniform Rules Book and/or Approved Reference List of Lapidary Material Names are available at 50¢ per set or the Uniform Rules Book separately at 40¢ per copy and the Reference List book at 25¢ per copy. Orders and remittance should be sent to Miss Dorothy Gleiser, 1066 Griffith Road, Lake Forest, Ill. 60045.

October Invitation Brings Results

UNIFORM RULES

As a result of our invitation in the October Newsletter, only one person took the opportunity to express his complaints about the Uniform Rules. An exhibitor of 15 years states, "...I entered 'Minerals, Any Type'; lost 40 points because I displayed such 'massive' minerals as smithsonite, datolite, opal and orpiment. Questioned the judge and was told to enter in 'All Crystals' class next time. A first place winner in 'Minerals, Any Type' displayed all crystals. Wasn't he out of class? Crystals usually score higher than massive minerals in most cases but might not do so well in competing with other crystals."

If you will read the rules for minerals, you will find there is no class for all crystals (with the exception of Single Crystals or Crystals with Inclusions). My guess is that your judge advised you to use only crystals; your last sentence explains why. The rules state that quality in mineral specimens shall refer to condition of crystals; size of crystals; crystal arrangement; clarity; freedom from excess foreign material; and the amount of identified material that is visible.

The person who entered all crystals in his mineral display was not out of class. Most mineral exhibitors stick with all crystals because they know they have a better chance of winning. You must determine whether your smithsonite is of sufficient quality to hold its own among the other exquisite crystals. **IF IN DOUBT, LEAVE IT OUT!** This also applies to fossils, jewelry, lapidary work, etc. If you question it, chances are the judges will, too, and why gamble on losing points?

Let's have some more questions! Address them to Betty J. Crawford, Chmn., MWF Uniform Rules Committee, 1119 Seminole Ave., Mansfield, O. 44906.

BULLETIN CONTEST DATES

for 1971 will be announced soon. Bulletin editors should save two copies of each issue, starting with their January 1971 bulletin. Your Bulletin Editors Committee Co-Chairmen, Oliver and Betty Roskam, enjoy reading your bulletins and appreciate your sending them copies of each of your issues.

Ishpeming Rock and Mineral Club Board Meeting.

Oct. 8, 1970

Home of Mr. and Mrs. Vernon Miljour of Gwinn.
Members present were Mr. and Mrs. Vernon Miljour, Mr. and Mrs. Ray Anderson
Mr. and Mrs. Laurence Sain, and Pat Elie.

Meeting was called to order by Pres. Laurence Sain.
The minutes were read and approved. There was no treasures report
as Mrs. Hughes was not present.

Communications:

Pres. Sain read a letter from the M.W. C. regarding the State organization, they gave the purpose of the Mid West Confederation, and expressed their concern about the organization of a state club. Mr. Sain had written to the LePere Club, stating that our club was not interested in joining a State Club.

A letter was received from the LePere Club, stating that very few clubs had shown any interest, therefore they were dropping the idea for the time being.

A book listing the proper and uniform names of Rocks and Minerals was received by the club. Will be available for members from the Club Library.

Mr. Miljour read a letter from Glenn Gregg, stating he was sorry, but will be unable to be on our program.

Old Business:

The Pres. expressed thanks and appreciation from the members to the Nelsons for the field trip to the Newberry area. The regular meeting will be at the Marquette Community Building, on Oct. 18th. The next Board meeting will be Oct. 30. Pat Elie will bring the door prizes for the next meeting and Mr. Nelson will furnish the Nov. prizes.

Program:

Program will be on Lake Superior Agates. The Pres. will ask Paul Mattson about a Silver Plating demonstration for November and Mr. Miljour will have some slides.

Christmas party date, Dec. 13th.

Meeting adjourned

Respectfully submitted,

Pat Elie, Sec.

SAWING TIP....This works beautifully--add a couple of tablespoons of liquid detergent to your cutting oil. If you have a plastic lid, this will be the first time ever that you have been able to see through the top after cutting your first slab.

From "Rock Vein" Via "The Rock-A-Teer"

Ishpeming Rock and Mineral Club Board Meeting

Oct. 30, 1970

Home of Doris Hughes, Ishpeming:

Members present were Doris Hughes, Mrs. A. Nelson, Mr. and Mrs. Laurence Sain, Mr. and Mrs. Ray Anderson, Mr. and Mrs. Vernon Miljour, Mr. and Mrs. Royal Elie, Mr. and Mrs. Elmer Jarvi and Robert Markert.

Meeting was called to order by Pres. Laurence Sain.

The minutes were read and approved.

Treasurers report was accepted as read.

Communications:

Several advertisements and invitations to Gem shows, minutes from the Mid West Confederation and a subscription blank for the Mineral Digest Magazine. A motion was made by Mrs. Sain and supported by Mrs. Miljour that we subscribe to this magazine in the name of the club and mailed to the club post office box in Ishpeming. Motion carried. The magazine will be brought to the meetings and will become part of the club library.

The Marquette county Historical Society expressed a desire for a rotating exhibit, this would be a big undertaking. Mr. Markert made a motion that Mr. and Mrs. Sain and Mr. and Mrs. Anderson investigate the scope of this project and report back to the club.

Pres. Sain read a letter from Clancey Hansen and Vielmette, attorneys, in regard to the last will and testament of the late Abby Beecher Roberts. The will is to be read in probate court at one o'clock, Thursday, Nov. 5, 1970. Ray Anderson will represent the club.

Christmas Party----

Mr. Sain and Mr. Markert report that we can have the Golf Club for our Christmas Party, but the date will be Dec. 20. The Cost will be about \$3.12 plus \$25.00 for rent of the hall. Mr. Miljour made a motion and Mrs. Nelson supported it, that--the I.R.&M. Club have its Christmas Party there, the cost per ticket to be \$3.00, the club to pay the \$25. for the rent of the hall and any other incidental expenses. Motion carried.

Bob Markert reminds us that he has to send in a progress report soon to the N.W.C. Some of the things we have to accomplish--a complete set of officers to take care of the convention. A steering committee and a convention chairman. Chairmen for advance registration, field trips, transportation and many others. Help from other organizations will be needed in preparing the pancake supper and the chicken bar-b-que. Many other things must be done and soon. He contacted the Ishpeming Armory for convention head quarters. If all the space is used the cost will be \$1380., One hundred thirty dollars less for a non-profit organization.

Adv. Board Meeting.---

Mr. Markert has about 3000 metal plates available for name tags for the convention.

Some field trips to the Empire Mine, Humbolt Mine, Mt. Shasta the Alberta, Randville and others were suggested by Mr. Markert. He feels that we should stop all convention registrations thirty days before the convention.

The next meeting will be, November 8th at the new Negaunee townhall. The next board meeting will be December 3, at the home of Mr. and Mrs. Vernon Miljour of Gwinn.

Meeting adjourned.

Respectfully submitted
Pat Elie, Sec.

Flattery is like perfume. It's all right to smell the stuff, but don't swallow it. from--The Rock Vein---The Rock-A-Teer

PIONEERS who blazed the trails now have decedents who burn up the road. via Rock Ramblings.

PEBBLEPUPS LAPIDARY CLASS

A basic Jr. Lapidary Class, on October 18th at the Marquette Community Center, taught by Christine Miljour, had in attendance Donna Bemis, Peggy Fries, Sheryl Johnson, Dave Miljour, Michael Quayle and Tina Smith. For two hours, those busy hands polished kona dolomite slabs to a perfect shine. They used 220 grit, 400 grit and unitane titanium oxide on heavy felt cloth, moistened.

November 8th, at the new Negaunee Township building, the lapidary class met with M. Bianchi, M. Lindquist, J. Mitchell, D. Bemis, P. Fries, S. Johnson, M. Quayle. Again, much hand polishing to precut jewelry-sized kona dolomite and glueing unto bolo backs, rings and tie tacks.

Here we learned that little Chris Johnson, 3 years old, "rock hunts on a trip" in his garden, hauls rock specimens into a play truck, then transfers his "finds" into a camper to take home, that is inside the house! Of course, in bad weather, Chris goes on "field trips" in the house.

Chris Miljour

DUES ARE DUE.....DUES ARE DUE"""""" Dead-line April 1.

MICA GUARANTEES WHITE CHRISTMAS

Snow or shine, there will always be a White Christmas in the United States so long as mica holds out.

The versatile mineral is a source of the artificial snow that brightens Christmas decorations.

Mica has helped actors' careers, too. Countless Hollywood heroes have mused their way to stardom through raging blizzards of mica.

Simulating snow is only one of mica's many uses, the National Geographic Society says. For example, this mineral adds a sparkle to paint and wall-paper, coats the inside of automobile tires, and backs asphalt roofing.

Mica acts as a thermal and electrical insulator in scores of home appliances. The breakfast toast is browned by red-hot wires wrapped around thin plates of mica.

The term mica refers to a family of silicate minerals that have crystallized directly from molten rock. The micas take the form of paper-thin sheets tightly pressed in a hexagonal crystal. The sheets can be easily stripped from one another: they suggest pages of a book.

Splitting a book of mica can be a tedious process, however, a sheet may measure only .0012 of an inch thick.

Mica's color varies with chemical composition; it ranges from black to crystal transparency. Seen through a microscope, one of the commonest micas - muscovite - blazes with intense color.

Russian explorers first discovered muscovite in Siberia some 275 years ago. They named it in honor of Muscovy - even then the greatest commercial and industrial center in the country - which they had left to investigate the mineral-rich region.

For years Russian envoys dazzled foreign courts with mirrors and other objects made from the material. The crystal's fame spread through many lands.

Bright micas especially appealed to India's princes. Glistening sheets decorated palace walls. Mica sequins glittered from the skirts of dancing girls.

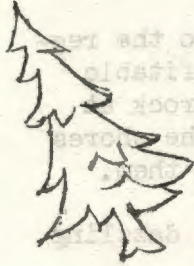
At the turn of the century, Indian Mica came into increasingly heavy demand by manufacturers of electrical equipment. The mountains of Bihar and Madras in eastern India still produce some of the best mica in the world.

In World War II, America's industrial need for mica was so urgent that hundreds of thousands of pounds were flown directly from open-pit mines in India by the Air Transport Command. The high-grade mica was

Mica Guarantees White Christmas ----

indispensable for vacuum tube spacers, radio condensers, and other vital electrical components.

After the war, the mineral held its position as one of India's chief exports. Today India stands first in high-grade sheet mica production, and supplies about 80 percent of world demand.



The Cleveland Plain Dealer

via -- Magn

DEVILS TOWER

by Lena Satterlee

via The Limestone Rattler



An awesome landmark, Devils Tower, the nations most spectacular volcanic rock, rises like a giant tree stump 1,280 feet above the Belle Fourche River in Wyoming.

Geologists estimate its age at 50 million years. Its once molten rock, forced upward from the earth, took on its present form through centuries of erosion. Exhibits in the Devils Tower Museum tell of its history and its legends and of the climbs made up its fluted sides. The Devils Tower area (including Black Hills National Forest and Keyhole State Park) is open the year around, and it is a great play-ground for fishing, hunting, boating and camping.

In 1906, Devils Tower, 28 miles northwest of Sundance, Wyoming, was designated Americas first National monument by President Theodore Roosevelt.

via--Fulton County Rock Hounders

When vacationing, the best book to tell you where to go is still your checkbook.

Pollution costs us millions. Put it another way--grime doesn't pay.

If you have any kindness to do, do it today, for tomorrow may be to late.

Cleaning Fossils--

So many fine pyritized fossil specimens are ruined by cleaning them in muriatic acid. Use No.2 Sparex, for a perfect result. Don't soak specimens in Sparex, just dip a toothbrush in the solution and scrub specimen carefully. via River Valley News, via The Snooper.

ROCK HUNTING IN THE U.P.

by Jeanne W. Halpern

All that glitters may not be gold, but the sparkling rocks of Michigan's Upper Peninsula have brought fortunes to a few and delight to thousands of others.

The rich lodes of copper and iron, which attracted miners to the region even before the gold rush in California, are not as profitable today as they once were. But the mountains of "left-over" rock at certain abandoned mines and the agates and greenstones on the shores of Lake Superior cast a magic spell over those who discover them.

For pebble pups and rock hounds alike, Michigan's U.P. is a dazzling treasury of rocks and minerals.

We did not know this when we called a geologist friend, Prof. Edwin N. Goddard, of the University of Michigan, and asked his advice about a rock-hunting vacation.

"The U.P.'s the place to go," he said. "Come on down to the museum, and I'll give you a list of good places to look--and some samples for matching, so you'll know what you've found."

That night, we and our two children, Andrew, 8, and Michael, 7, read Prof. Goddard's list. We marked a half-dozen key stops along our route and fingered the rainbow-colored samples. We also looked through a booklet on rocks and minerals and decided just what basic equipment we would need--a small prospector's pick, a magnifying glass, a compass, a canvas carrying bag, a little note-book, adhesive tape and a pen for marking and lots of newspapers and bags for wrapping up our finds.

A book entitled "Call It North Country: The Story of Upper Michigan," by John B. Martin, proved to be just the right kind of historical background for the deserted mines and ghost towns we were to discover.

As a dress rehearsal for our big expedition, we decided to make a few stops in lower Michigan on our way north. Prof. Goddard had mentioned the Antrim shale bedrock exposed along the Lake Michigan shore, a half-mile south of Norwood. That seemed like a good starting place.

After getting lost a few times, we found the spot where the high blue-black cliffs soar above the buff shoreline. I climbed and slid down the muddy bank. My husband clung to a tree about halfway down. And the children, standing at the edge of the pine forest, passed down the equipment and took and wrapped the samples I gathered. Instead of climbing back up, I walked along the wet sand, glad I'd worn my oldest shoes

cont.----

Rock Hunting In The U.P. cont.

Suddenly we heard a rhythmic tap-tap-tap coming from the other side of the hill. A man and woman were chipping at a large rock with a pick and chisel. Novices that we were, we asked what they were doing.

Pushing his plastic safety goggles up on his hair, the man said, "We were out here yesterday and found some great tourmaline. The crystals are long and slender and black. Here, look." He showed us a layer of brilliant tourmaline running along a fault in a split boulder.

"The miners weren't interested in this stuff," He also mentioned, as had Prof. Goddard, that we should avoid abandoned mines which were enclosed with barbed wire and posted with signs reading, "Danger--Keep Away."

Then, using an old chisel the children had found, we, too, unlocked samples of tourmaline in quartz. The children found wonderful rectangular specimens of fool's gold (pyrite), and we also collected mica, garnet embedded in quartz, magnetite and a few other curious samples we couldn't identify.

That is how we happened to stop at Markert's Rock Shop, 4 1/2 miles west of Ishpeming on US-41. Mrs. Marian Markert was so helpful and kind that we not only learned a good deal about the samples we had found, but also discovered that in recent years the U.P. had become a center for rock hunting.

"We've had four or five times as many customers as we did a few years back," Mrs. Markert said.

"People just love the beautiful colors and textures and shapes."

We bought a small chisel for the children and a pair of goggles.

The car was getting heavier and more crowded. We unpacked everything that afternoon, went over our notebooks and repacked our expanding collection in the trunk.

Then we headed west toward the Keewenaw Peninsula, better known as Copper Country. We stopped briefly at the excellent rock and mineral museum of Michigan College of Mining and Technology in Houghton, then took a fascinating tour of the Arcadian copper mine in Ripley.

Cold, damp and dark though it was, the guide filled us in on many of the details of mining and the risks faced by miners who had come from Cornwall and Finland over a century before to extract the valuable red ore. For the children, the Arcadian proved to be the most mysterious and fascinating part of our adventures so far.

But there were dozens of surprises yet to come. Central Mine, a ghost town on US-41, was one of them. There, in 1854, heavy masses of native copper were discovered in the bottom of an ancient pit dug by prehistoric Indian miners. The unpainted gray houses loom beside the unpaved cross-

cont.--

Rock Hunting In The U.P. cont.

and jeans. I relished the wonderful sensation of wilderness and adventure. I had just begun the easy ascent at the south end of the cliff, when I heard the rest of the family above.

"...really exciting," Andrew was saying. "Look at the waves. Like the ocean, with the gulls diving."

"Sure," interrupted Mike, "but when do we get to collect the rocks?"

Their chance came about an hour later at the lakeshore park on US-31 on the east edge of Petoskey. The sun was high by then, and the beach stones glittered beneath the waves. Prof. Goddard had told the children how to identify Petoskey stones, the wave-polished coral fossils which are peculiar to that area. The formations would show up like stars when the pebbles were wet.

While they were scrambling along the beach, we met two men from a nearby rock shop. They pointed out the gray limestone, a few trilobite fossils and the red-brown sandstone.

"We came out at dawn this morning," one of them said, "right after the big storm. Picked up 75 pounds of Petoskey stones for the shop. Lots of folks would rather buy them than get their feet wet."

So far, our practice session had turned out well. We had learned how to use the pick, how to mark and wrap our treasures and how to record our findings in the notebook. When the Mackinac Bridge rose before us, we felt confident and excited. Within 10 minutes, we would be across the blue straits which joins Lake Huron and Lake Michigan. We would be in the U.P.

Driving along the northern edge of Lake Michigan, we enjoyed the scenery more than our rockhunting. We went for a swim on the beautiful beach on US-2 and walked over the 20-foot dunes and among the silver birches. Then we drove northwest to Marquette, Michigan's biggest iron ore port, on the southern shores of Lake Superior.

The next morning, we embarked on our first bona fide rock hunt in the U.P. We chose the abandoned Champion iron mine west of Ishpeming on US-41. After finally finding the entrance--a compass behaves strangely with all that iron around--we drove in between the coneshaped piles of rock. A huge windmill tower and boarded-up shafts stood on either side of the railroad tracks. Pools of rusty water shone in the sun. We walked past a bent, black miner's boot, a stiff leather glove and an overturned wagon which had been bleached gray by the sun.

We carried our equipment to a mass of loose rock about 15 feet high. It sparkled like a million diamonds, but what it turned out to be was specular hematite, a form of soft iron ore, mixed with quartz. The children collected bags of it for their relatives and friends. The fingers dabbed everything -- noses, shirts, hair--with sparkling black powder from the hematite.

Rock Hunting In The U.P. cont.--

road. A few of the windows have curtains, and it is almost as though someone will peer our momentarily.

Another exciting stop was the deserted Baltic No. 2 near South Range, where we prospected for copper one afternoon.

Our most delightful morning was spent at the agate beach of Great Sand Bay near Eagle Harbor. In the distance, huge tankers and freighters moved slowly across Lake Superior. Waves whipped the beach and soaked our shoes. Backs bent and bags ready, we searched among the millions of beach stones for those specially banded, partly translucent stones called agates. After about an hour of wind and spray, we had each found exactly one. With reluctance, we left the great curving bay with our four marble-sized treasures. And we turned on the car heater to warm our icy feet.

In all, we spent eight days exploring the U.P. from the ground up. Sometimes we camped at the magnificent state and national forests. The children liked best the extinct volcano, Lake in the Clouds, at Porcupine Mountains State Park. Other nights we stayed at comfortable motels, but mainly, it was an outdoor vacation. And the rocks we collected are still outdoors, sparkling in our patio.

Reprint of article from
August 1970 Motor News-----
By Special Permission of
Author Jeanne W. Halpern

from----Irene Lutes

--*-*-*-*-*-*-*-*-*-*-*-*-*-*

from The Kyana Gemscoop LAPIDARY TIPS - by Lewis & Agatha Hines

Epoxy can be used to fasten rocks to wood blocks for easier sawing. To remove, place the wood block with the attached, remaining rock in a pan of very hot water, then add a generous amount of Soilax or similar product. Keep the water hot and allow to stand about an hour. The rock will then either slough off the block or may be removed with the point of a knife.

To remove tarnish from silver, dissolve Ivory soap in soft water and while very hot, add an old aluminum pan to the hot stuff. Swish your silver back and forth, keeping the water hot to the boiling point. There is something about Ivory soap and aluminum that does the work. Of course, use an enamel or non-metallic container.

FOOT NOTE via Limestone Rattler
A woman may be small of frame But when she puts one foot
With tiny feet that patter: down
Her shoe size doesn't matter.

PEBBLEPUP FIELD TRIPS

On a misty, mild Saturday, October 24th, Vernon and Christine Miljour picked up Linda Barrett, Mike Bianchi and Mike Lindquist in Gwinn, at 7:45 A.M. Our meeting place was the Palmer Nursing Home, where James Quayle and son, Mike arrived also, but no Bemis. We left at 9:10 to meet Bob Markert at M-35 and 480 crossing. Here, Vern called up Pat and Theresa Bemis residence to verify whether they had left home already with their "pick-ups", the Bakers. Bob led us on to the kona dolomite gravel pit, where Pat and Theresa Bemish (without the Baker lads - rained out) and Ray Anderson were waiting.

After we chose generous chunks of the easily accessible Kona dolomite and also the loveliest looking in the nice, falling mist, Bob went on another "rock errand", Ray left for home and the rest of us went on to the next picking area.

The Verde Antique Marble pit - close-by, all nine of us piled into Pat's truck, which drove easily over the deeply rutted road directly to the marble diggings. Of course, the softly, falling mist made it easy to pick the most colorful marble.

The Ropes Mine, being nearby, we looked for pyrite which did not show up brightly on a cloudy day. However we found plenty of nice specimens.

After a long, winding road and many lakes, the Banded Magnetite pit was next. The mist did not bring out any beauty possibilities of this dull black rock. (Theresa brought to the Nov. 8th. meeting, a beautiful, polished brooch made from this very same dull rock by her "rockhound" sister in California, just to show our new members the jewel of it.) There was a lot of water on the ground level, so I picked lots of cat-tails, instead, for a dry flower bouquet for church.

Mike Quayle suggested we go to the Cliff Shaft Mine, got out his gem book with colored illustrations and proceeded to read about bornite, which we could find there. Jaspilite, we found. M. Lindquist found a chunk of Siderite. Here on the high, unprotected piles, we felt our first chill of the day. The Quayles left for home.

The new pebblepups had never been to Markert's Rock Shop, our next stop, so can you imagine how delighted and excited they were to see all this lovely jewelry, after their field trip! Bob gave them each gifts of fossils, selenite, lead and halite. After a few purchases, Theresa and Pat went home, their truck loaded down with many of our bigger rocks.

The left-overs-Chris, Vern, Linda, M. Bianchi and M. Lindquist went to the Greenwood Location to dig for colorful slag. In the open area, various shades of grey slag was easily picked. But to find the blue slag, one must dig amongst the trees, closer to the coke furnace area and this appealed to the pebble pups - what a find. Even they like to work for their rocks.

Mist fell gently all day (no licking of rocks this day) we were warm and dry. Six different times, we put our raincoats on and then we took
cont.

Pebblepups Field Trips---cont.

them off, stored them in trunk, and got into car, dry. Everyone wore rubber foot gear. And in the pebblepups own words "we had such a wonderful time". To the adults, it was exhilarating.

Sunday was sunny and warm. Vern took Mike and Tom Baker and James Fries brought along daughter, Peggy. They did not go to the Kona or Cliff Shaft area. Instead, Vern led them to Jackson Park for jaspelite and Jasper Knob to look at the huge jasper, where they each got a few crumbs. Otherwise, this field trip followed Saturday's exactly.--Peggy Fries even picked cat-tails.

Chris Miljour

THEY SAY IT DOESN'T HAPPEN but here's a sample---These were Rockhounds?.....

One day a couple of weeks ago, about an hour before the time I usually open up, a caravan pulled up in front of my shop. Out here on the Desert in the summer, any time is the time to do business, so I opened up. Who knows when the potential customer will come along at this time of year.

Here is what the caravan consisted of: The first vehicle was a 4-wheel drive pickup pulling a 4-wheel tandem axle trailer. In the body of the pickup was a pretty good sized air-compressor, a lot of hose and tools. In the trailer was a bulldozer and on the front bumper of the pickup was a Honda Trail 90. The next vehicle was also a 4-wheel drive pickup pulling another 4-wheel tandem axle trailer. The pickup had a sort of camper body and on the trailer was a Case rubber-tired tractor with a backhoe and loader on the front. The pickup also had a Honda Trail 90 on the front bumper. I found out later that under a canopy was a generator (I forget how many thousand watts and a slab saw). The truck also had a Honda Trail 90 on the front bumper. The next vehicle was a Scout with a winch on the front and the next two vehicles were pickups with large size campers on them. Three men drove the first trucks and three women drove the Scout and Campers.

They all came into my shop and looked around. To get a conversation started I asked if they were in the mining business. The answer was, "No, we are Rockhounds."

During our conversation I found out that they had gotten over 35 tons of cutting material besides heaps of Xls during the past year. They would go anywhere up to a thousand miles, it didn't make any difference if the area was private land, under claim, patented land, or what. As one of them said, "We are gone before anyone finds out". They carry enough supplies for a week at a time. They use dynamite and they belong to three different Rock Clubs which helps in letting them know where to go. They got the name of my shop for giving out information from Cy Johnson's "Western Gem Hunters Atlas", and they are from Southern Calif.

cont.---

They Say It Doesn't Happen.....cont.

I could write a book on what they told me the hour they were there. They received no information from me as I was pretty well burned up by the time they left, and I hope they never come back.

Rockhounds, huh???????? I have a lot of words that would describe them better, but they are not printable.

** ** *

This just goes to show how low some people will go to ruin things for other people. Somewhere I have just read of a list of places, I think in Arizona, of different places that had been vandalized by people who weren't rockhounds but were out for their own personal gain.

Via - Sycamore Valley Newsletter,
S.I.E.S. Club News and Rock Lore.

** ** *

PETRIFIED WOOD FROM ARIZONA

Thursday, August 7, 1969 found our family waking up in the Wupatki National Monument where we had slept under the stars. We were in the shadow of a cinder cone about 100 feet high which the boys had climbed the night before. We packed up our trailer and continued on toward Sunset Crater National Monument. (We includes Chris, David, Michael and I) Our stop at Sunset Crater was very short since the visitor's center was closed.

The trip continued south to Flagstaff and then east on US-66 and a side trip to Meteor Crater (Described by Jim and Fern White in a previous Jaspilite issue.) It was marvelous.

Chris and I were in a hurry to get to Winslow, Arizona, because according to Bessie Simpson's book, "Gem Trails of Arizona", there was some good petrified wood to be found in the area.

With a stop for lunch at the city park in Winslow and a swim by the boys in the municipal pool, we were ready for greater things (Idiot hunting as Mike had already begun to call it). Our first stop was at Walt's Rock Shop. This proved to be a "dud" because the proprietor was out and his employee knew nothing about the area. The shop had some beautiful things.

So it was back to Bessie Simpson. We proceeded about 3 miles east on US-66 to a good blacktop road A-87, instead of A-65. We proceeded north along this road for about 9 miles looking for a sign indicating the "Little Petrified Forest" on a stone slab. It was supposed to be at about 7 miles. We turned back for a little ways and stopped where two ranch women were coming thru a gate and asked directions.

They told us pass thru the gate across the road from them and go about
cont.-----

Petrified Wood From Arizona..cont.

one or one and a half miles.

Here are the corrected directions as we checked them out on our return trip. Starting at the junction of A-87 & US-66 proceed north on A-87 for 6.3 miles. Before crossing under a power line which crosses the highway, there are two gates on the left and one on the right. Go thru the first gate on the left (west side) and close the gate after you. Proceed along a two rut road for about .3 mile, then turn left on an old road (most likely this is old A-65), then at .7 mile the stone slab is still in place but the writing "Little Petrified Forest" is partially obliterated. Take the two rutted road to the right for about a half mile and there it is. Be careful of the sandy spots. We had no trouble.

We found several nice pieces of cab and tumbling material. The valley and the low hillsides are strewn with large logs of non-cutting material. The logs are as much as three feet in diameter.

Chris proved her worth as a rock hunter by finding a beautiful piece of pink petrified wood. This piece made the side-trip worthwhile. Her rock weighed out at 12.5 pounds.

Leaving the Little Petrified Forest we proceeded to Holbrook and stayed overnight in a picnic area near Holbrook. Bright and early next morning we proceeded south on A-77 for 6 miles and then turned toward Woodruff for about 3.5 miles. We found a good deal of small pieces on the south side of the road. We would have liked to explore further from the road but breakfast was still waiting so we returned to Holbrook and then on to the Petrified Forest National Park, where we collected one specimen from the ranger at the exit.

If we had had more time we would like to have tried some of the other places mentioned in the book "Gem Trails of Arizona."

Vernon Miljour

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BIRTHSTONE FOR THE MONTH OF DECEMBER

TURQUOISE: Because of its usage as a sacred burial possession, turquoise is well suited to be the birthstone of December. December is the last month before a new year, signifying death before rebirth.

Ancient peoples offered turquoise to their gods by burying it with the bodies of their monarchs and chiefs. These stones helped transfer the owner safely into the after-world and his next life. Turquoise beads have been found in the pyramids of Egypt, Aztec tombs, and in the mounds of Mexico attesting to its value in rebirth.

Copied from --Sidney Krandall & Sons
Gordon Munn via Dopstick

(DON'T FORGET TO BRING YOUR BETTY CROCKER COUPONS !!)

OUR WONDERFUL MINNESOTA HAPPENSTANCE

--Helen Johnson

That Friday morning dawned clear, bright, and beautifully sunny... a perfect day to come back to the United States from our much-too-short trip through Canada... a perfect day to photograph the rugged scenery at the many look-outs so conveniently provided... a perfect day to scour the beaches of Lake Superior for we were now entering Minnesota's thomsonite country.

And we did take advantage of our day. We stopped at several look-outs for coffee and lunch and at several beaches for a little rockhounding. The only trouble was -- we couldn't remember what a thomsonite looked like. Then, on the third beach, I found a piece. It's really strange how, when you see it, the descriptions of thomsonite come back to you so readily; and then you know just what you are looking for. The piece of thomsonite I found was just a little pebble imbedded in a larger piece of blackish, ragged-edged rock. But I had found it, and I was very eager to share my discovery with my family as well as with some tourists from Illinois who were also searching for "this thomsonite we heard about".

However, we had been told of larger pieces that were not imbedded; and after a while, we were on our way to search out another and better beach. We knew we were nearing Lutsen and the end of the thomsonite beaches. We just had to find "our beach" soon!

A few miles further on we stopped at Grand View Resort. And thus begins our wonderful Minnesota happenstance.

For six tired and hungry people, a large cabin filled with very old, home-made pine furniture, patchwork quilts, and a large old stone fireplace spelled warmth and coziness throughout. What's more, the same blackish, ragged-edged rocks lined the shore of Lake Superior not 30 feet from our front door!

After a rather quick look at the rocky beaches, we had our dinner and retired for the night. The next morning, it was up and at 'em; we had a busy day ahead of us -- chipping those thomsonite nuggets out of those black rocky ledges. After quite a few hours of chipping and a trip to town to buy a new chisel, Ernie wandered off down the beach to look for better pickings... if there were any. When he didn't return by lunchtime, I went to find him.

There he was... in a small cove 30 yards long... filling his pockets with thomsonites and a few small agates; all of which had already been washed free of rock by that great Lake's tremendous waves. I knelt down beside him and started in. In a very short time, we had gathered more than we could carry back to the cabin.

After lunch my parents, Ernie, Stery, Chris and I, together with a Minneapolis rockhound in a neighboring cabin, set out for the cove with very high spirits. We were armed with rubber boots, bags and any and all pots, pans and large spoons we could find in the cabin. cont----

Our Wonderful Minnesota Happenstance--cont.

A couple hours past gathering our newly found treasure and joyfully exclaiming over our miraculous find. It was then that our wonderful Lake Superior began telling us we must not take them all; we must leave some thomsonites for other rockhounds to gather. The waves began to grow higher and more rough. For every pebble we picked up, Lake Superior reclaimed two with a wave. Being soaking wet to the skin, cold now, and hungry, we gave up our treasure hunt; thereby submitting to the Lake's demands on us. We retreated to our cabin to hot coffee and a warm fire in that old stone fireplace.

Being warm and well-fed once more, we just had to dump our treasure on that old pine table and look at everything piece by piece. We just had to exclaim once more about our wonderful Minnesota happenstance. We just had to resolve to return again next year.

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POETRY CORNER

This Barren Vastness chills the soul
Where man has churned the land for coal.
The bowels of Earth ripped open wide
What ancient secrets do they hide?

How many persons ever know
Whatever flourished here so long ago?
Here forests lush and lofty grew
And drank the sun when Earth was new.

Primeval reptiles took their stand
They fought and died to rule the land.
Within these rocks the story's told
The Saga that is eons old.

Three hundred million years have flown
Since first these plants were cast in stone.
With my tools I split the shale
To find the leaves in full detail. - Fulton Rockhound News.

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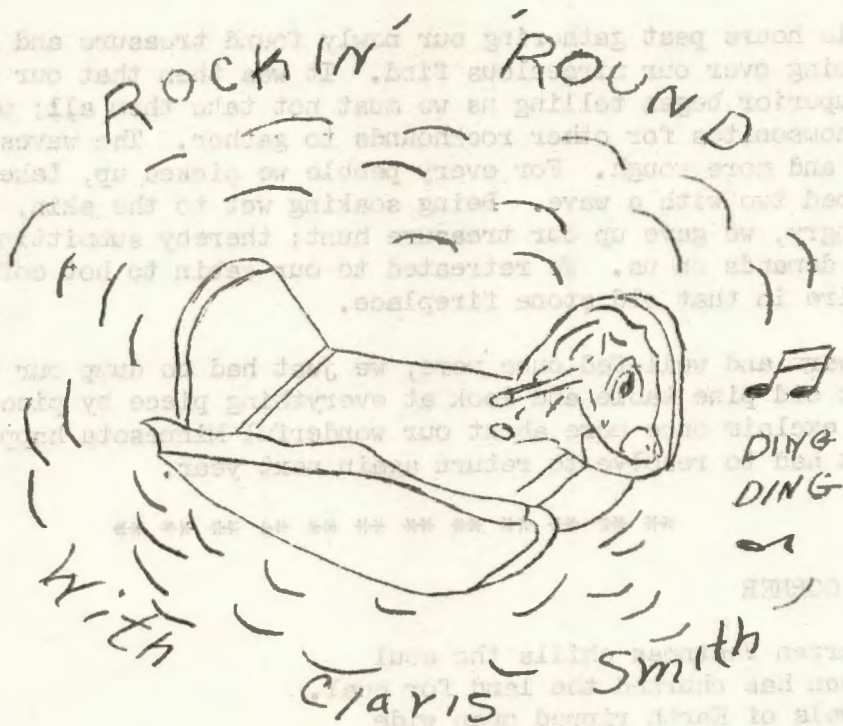
HANDY HINTS ----

Sew rock bags out of bright yellow canvas. They will show up at great distances, so if you set your rock bag down you can easily find it again. Paint your rock-pick and shovel to match.

Muriel Brandt --Minnetonka Newsletter

If soft material sticks to the buff when polishing, try using vinegar instead of water. Lapidary Journal via the Template.

Take the cerium oxide residue left from tumbling, strain it through a piece of fine cheesecloth or a nylon stocking and use it to polish the chrome on your car. --Gems
All via Achates



It is with some feeling of regret that after three years, I must relinquish my duties as Editor of the Jaspilite. I would like to express my sincere appreciation to everyone who assisted with each issue either by contributing articles or by helping with the printing. Without this help, your bulletin would not have been a success. So thanks to you all.

Notice to Exchange Editors -- Until further notice all exchange bulletins should be mailed to The Ishpeming Rock & Mineral Club, P.O. Box 102, Ishpeming, Michigan 49849.

Marian Markert, chairman of the nominating committee has furnished the Jaspilite with the following list of officers for the I.R.&M.C, for 1971.

- | | | |
|--------------------|----------------------|-----------|
| President | Vernon Miljour | Gwinn |
| 1st Vice President | Charles Bemis | Gwinn |
| 2nd Vice President | Ernest Johnson | Marquette |
| Secretary | Pat Elie | Gwinn |
| Treasurer | Doris Hughes | Ishpeming |
| Librarians | Ray & Edith Anderson | Marquette |
| Liason | Mamie Jarvi | Ishpeming |
| Editor-Jaspilite | Vacant | |
| Curator | Vacant | |

Our thanks and best wishes to the retiring officers and the best of luck to the people who will guide us through the next year.

Rockin' 'Round - cont.

The I.R. & M.C. annual Christmas Party will be held Sunday, December 20, 1970 at 4:00 PM at the Wawonowin Country Club on County Road 478 west of Ishpeming. The menu will feature a complete turkey dinner at a cost of \$3.00 per person. Everyone should bring a \$1.00 Rock Hobby gift labeled for man or women. For intertainment, those who have slides of summer field trips are ask to bring them along to show. Chairman for the Christmas Party is Teresa Bemis.

We wish to offer the sincerest congratulations of the Club to former member, Dan Newman, son of Mr & Mrs Clemens Newman, who received his Doctor of Medicine Degree from the University of Michigan on June 12. Dr. Newman was married on June 11 to the former Janet Bozner of Detroit. He is presently interning at St Lukes Presbyterian Hospital in Chicago.

In June of this year the Upper Great Lakes Finnish Culture Symposium was held for two days at Northern Michigan University. Our club member, Mrs John Osterberg, a native of Finland and a resident of Marquette for the past 45 years, displayed many iters of Finnish design at the Symposium, which included a large selection of hand-made linen and wool rugs and tapestry. Mrs. Osterberg is a cultural link between our country and Finland. (Thanks to Mamie Jarvi for this article.

The I.R. & M.C. was saddened by the death of one of its lon-time members, Mrs. A. B. Roberts of Deertrack on Sept, 16, 1970. Mrs. Roberts was one of Marquettes most outstanding citizens and local benefactor. She was a lifelong resident of Marquette and was involved in many community activities ranging from painting, writing and music to botany, ornithology, mineralogy and archaeology. We are all going to miss her.

Congratulations to Mamie and Elmer Jarvi on becoming Grandparents for the second time. A bouncing baby girl was born to their daughter Ruth and her husband John Sterna.

My Husband is home now, recuperating from surgery. He sends his thanks and appreciation to the club and everyone who sent cards and best wishes.

And now as we say good bye to 1970 with my last edition of the Jaspilite, I want to wish you all a Merry Christmas and a Happy New Year!

Again we thank everyone who contributed to this issue of the Jaspilite, and to urge every member to write something for coming issues. This is your bulletin and must have help from you to keep it interesting and worthwhile. We thank.all of you!

Clarice Smith

Next, Round - cont.

The I. R. & M. C. annual Christmas Party will be held Sunday, December 30, 1970 at 4:00 PM at the new downtown Country Club on County Road #78 west of Ishpeming. The menu will feature a complete turkey dinner at a cost of \$3.00 per person. Everyone should bring a \$3.00 book hobby gift labeled for man or woman. For information, those who have either of our two field trips are asked to bring them along to show Chairman for the Christmas Party in James Point.

We wish to offer the sincerest congratulations of the Club to former member, Dan Rowan, son of Mr. & Mrs. Clement Rowan, who received his Doctor of Medicine Degree from the University of Michigan on June 19. Mr. Rowan was married on June 13 to the former Janet Besser of Detroit. He is presently internist at St. Luke's Presbyterian Hospital in Chicago.

Ishpeming Rock and Mineral Club
P.O. Box 102
Ishpeming, Michigan 49849

In June of this year the Upper Michigan Mineral Laboratory was held for two days at Northern Michigan University. The laboratory was held in the basement of the new building which was completed in 1968. The laboratory was held in the basement of the new building which was completed in 1968. The laboratory was held in the basement of the new building which was completed in 1968.

The I. R. & M. C. was saddened by the death of one of its former members, Mrs. A. E. Roberts of Escanaba on Sept. 16, 1970. Mrs. Roberts was one of Michigan's most outstanding citizens and local benefactor. She was a lifelong resident of Ishpeming and was involved in many extracurricular activities ranging from painting, writing and music to pottery, archeology, history and anthropology. We are all going to miss her.

Mr. & Mrs. Robert C. Markert
Rt. 1, Box 620
Ishpeming, Mich. 49849

It is our hope that everyone who contributed to this issue of the Jasperite will be able to find it interesting and enjoyable. We are all going to miss her.

by women in new now, preparing from surgery. He sends his love and appreciation to the club and everyone who sent cards and best wishes. We think as we say good bye to 1970 with its last edition of the Jasperite, I want to wish you all a Merry Christmas and a Happy New Year! Again we thank everyone who contributed to this issue of the Jasperite and to the every member to write something for coming issues. This is your bulletin and want have help from you to keep it interesting and worthwhile. We thank all of you!

