

AUGUST 12, 1986



ROCK and MINERAL CLUB
P.O. Box 102
ISHPEMING, MICH. 49849

THE JASPILITE

Affiliated with the Midwest Federation of Mineralogical & Geological Societies

Business Meetings: 1st Friday of Month. 7PM at Jacobetti Veterans Facility
425 Fisher Street, Marquette, Mich.

Program & Activity Meetings: 3rd Sunday of Month. 2PM at Ishpeming Senior Center, Pine
& Division St., Ishpeming, Mich. (Field Trips-May-October)

Hi, Fellow Club Members:

Well, our 11th Annual Rock Swap and Shop is history and I must say that in my opinion from all the comments that it was a tremendous success. To make it such a success required everyone to be on their toes and do the best job possible. Everyone who contacted me as they were leaving said, "We'll be back next year. We had such a good time."

I must say that upon my first investigation of the site I was skeptical of the limited parking space for tailgaters. However, our good parking chairman and his committee utilized every part of it and built the area into a nice compact group.

The registration committee did a good job of taking care of everyone as they entered and kept the door prizes moving all day.

The silent auction committee performed very well and as usual caused it to be very successful. The many donations by club members and others kept the table busy and interesting. It all seemed to be what someone wanted as very little was left.

There was much beautiful material offered by the tailgaters which provided variety and interest. The prices varied so that there was something for everyone.

The special odds and ends table was a deviation from the regular set-up and proved quite profitable and interesting.

I was pleased and impressed by the number of displays that were set up. We heard many compliments on them. Numerous people commented that this was a regular show.

We even had a demonstration of how to make specimen boxes which was well attended and enjoyed by all who learned the process.

Our raffle was tops as per usual with many excellent and beautiful prizes which were awarded at the Cracker Barrel session.

I must not forget the interesting and historical program put on by Tom Waggoner. We'd like to see it again.

The social gathering afterwards was enjoyed by all; the people didn't seem to want to go home. They enjoyed the bars and liquid refreshments and a chance to become better acquainted.

None of this could have happened with such good results had it not been properly planned by our able Swap Co-chairmen.

The raffle was a huge success due to the number of prizes gathered from club members, dealers and friends along with the best ticket sale. This is an area where our non-resident members are able to participate both by furnishing prizes and selling tickets. Many NR members make it a point to be present at our Swap to assist in every way they can. We thank them for their participation.

Sunday finished it off with two interesting field trips, each arranged by club member and guided by same. Surely everyone carried home some Gold and Kona. Some even had more than they wanted. Thank you leaders and guides. Also thanks to the companies for allowing us to collect.

We appreciated the bus load from the Green Bay Club as well as those from Wisconsin, lower Michigan, Illinois, Pennsylvania, Ohio, Canada, etc. We even gained a few new members. Welcome! We look forward to your participation next year.

In case I have missed some area or people, I'm sorry. Thank you everyone who helped in some way to make the two days the success it was.

We cannot say thanks to the weatherman as he didn't hold off the rain which came frequently. We were fortunate in have adequate facilities so that people were able to get under cover.

I now encourage you to attend our meetings and watch the Jaspilite for coming field trips, meetings and programs for the remainder of the year. Come out and enjoy the club hospitality, information and social life.

Your President,
L. W. Sain

Our deepest sympathy is extended to Jim Quayle in the loss of his wife Sylvia, August 2. Also to Myrtle Hunt in the loss of her husband, Lucien. Dr. Hunt was a past president of our club.

Tom Royal is getting around with the use of a cane following hip surgery in July. Congratulations to the newlyweds, Mr. and Mrs. Bernard Kaukola. July 5th. Do come to our club meetings and join us on our trips; be part of the gang.

Welcome to the Bulot's of the Esconi Club who became members of our club, August 2nd.

Congratulations to Nelson Short for being appointed on the nominating committee and more importantly, Senior Activities Chairman of the MWF.

RAFFLE PRIZES FOR AUGUST 2, 1986

PRIZE	DONOR	WINNER
1. \$50.00 Cash	Ishpeming Rock & Mineral Club	Jim Quayle
2. Kingston Clock	Don Ruonavaara	James Procnier
3. Turquoise & Silver Bolo	Nelson Short	L. Scotti
4. Copper and Agate Ming Tree	Olive Sain	Edith Epper
5. Greenstone Necklace	Lowell & Dawn Smail	Dick Koski
6. Banded Hematite Clock	Bob & Marion	Charles Mctyre
7. Jade Ring	Arnold Mulzer	Jean Garceau
8. Brass Inlaid Trivet	Clem Newman	Bob Carlson
9. Mohawkite Belt Buckle	Leon Anderson	Ruth Duquette
10. Scrimshaw on Fungus	Don Auler	Duane Soine
11. Sterling Silver Chain Necklace	Jim Bowns	David Dobson
12. Kingston Ore Clock	Laurence Sain	Luella Steinbrecker
13. Native Copper	Red Metal Shop	Amelia L. Murphy
14. Sterling & Agate Necklace	Bob Procnier	Warren Langston
15. Pewter Miner & Gift Certificate	Copper World	M. Follo
16. Copper Candle Sticks	Pat Procnier	Elaine Maki
17. Greenstone & Silver Necklace	Lowell & Dawn Smail	L. Schnarr
18. Adventurene Clock	Jim Procnier	John L. Jacklin
19. Float Copper	Keweenaw Gems & Gifts	Frazier Tubbs
20. Copper Sail Boat	Copper Land Arts & Crafts	Adele Burckle
21. Silver Wire Ming Tree	Lake Superior Minerals	Nelson Short
22. Necklace & Ear Rings	Cats Eye Creation-Sally Ahrndt	Elsa Demaray
23. Brazilian Agate Clock	Leonard Bartelli	Jean Quayle
24. Hand Carved Bolo	Don Auler	Souder
25. Brazilian Agate Buckle	Pat Bemis	Tom Morris
26. Maple Burl Clock	Bruce Spike	G. Mathoney
27. Suncatcher	John & Anna Koontz	Howard Morrison
28. Painting on Brazilian Agate	Ingrid Bartelli	Mae Goedert
29. Table Cloth	Marjorie Ogea	Debbie Henley
30. Heart Hanger	Marjorie Ogea	D. Quayle
31. Heart Hanger	Marjorie Ogea	Mrs. L.J. Nicholls
32. Copper Ore Clock	Dave Meyers	Pat Procnier
33. Turquoise Cabochon	Summers	Peter Belpedio
34. Thunder Eggs	Pat Bemis	L. Smail
35. Thunder Eggs	Pat Bemis	Doris Kemp

FROM THE SECRETARY'S NOTES.....Bruce Spike

SECRETARY-- One entrusted with secrets. (Webster)

We have NO secrets. The minutes record, What happened, What will happen, and When we expect it to happen.

So, what has been going on this season? As usual we have had some enjoyable field trips, many visitors, and some good program meetings.

Memorial Day weekend a group of us made camp in the Hancock City Park and scouted the Keweenaw for two days. Bits of copper, some silver, a variety of crystals, some rocks to cut, and memories to take home of days on the rock piles and evening campfire chats.

July 22, a group of rockhounds arrived after attending the Midwest Show and were guided to verde antique road fill and old slag piles in the Deer Lake basin, Jasper Knob, Tilden Mine overlook, Jaspilite at Palmer, and to Lindberg's quarry. The group included rockhounds from Florida, N. Carolina, Ohio, Canada, L. Michigan, Illinois, Indiana, and Wisconsin.

The next big event was our Swap on August 2nd and field trips on August 3rd. The morning of the Swap spawned a beehive of activity with all systems GO. The results were no less than fantastic, financially and otherwise. Through the efforts of Bob Markert we were able to visit the Ropes Gold Mine and as in other years, Lindberg's quarry.

The season is not over yet--we have more trips and meetings planned. Sept. 5, we are all invited to Bob Markert's on the Basin for a cookout and business meeting. Bring your dishes, a dish to pass and your own specialty for the grill. Bob says it will be HOT. 6 P.M. You won't want to miss this meeting.

Other business meetings are scheduled for Oct.3, Nov.7, and Dec.5 at the Veterans facility in Marquette.

Labor Day weekend (Fri-Mon.) Field trip in Ontonagon County. Union River Campground.

Oct. 5 or 12, depending on the weather, is our color tour. Location not decided.

Nov. 9, first indoor program meeting--Ishpeming Senior Center.

Dec.7, our annual Christmas part--more details later.

Pat and Theresa Bemis left on a six week trip to Oregon and Washington to visit their children and relatives. They plan on doing some rock collecting along the way. We expect to see your treasures at the November meeting.

Bob and Marian Markert will be setting 8 more chairs at their table during most of August for their sons and their families. We "old time" club members remember Dudley and Scott when they were pebble pups.

(Ed. note: This copy was received to late for the last Jaspilite, so there will be follow-ups included.)

By this time (April) you should have your raffle tickets. The goal of the club is to sell at least 1000 chances. In the past years almost all members donated a prize and I see no reason to diverge from this practice. Last year 30 prizes were on this raffle. If this method of raising money continues, the club dues can stay ridiculously low. I would appreciate your view on this subject.

I am leading two field trips as of now. On May 18th at 2 P.M., we will meet at Baraga and Lake Streets in Marquette. Clyde Steele, author of a historical book "It Seems Like Yesterday" will accompany us and point out and tell us about places mentioned in his book.

Ripley and Gaines' Rock, Marquette's first docks, the plank road, the site of the Whetstone factory where whetstones and razor hones were made from a deposit of Steatite "Soapstone" nearby. Also in the area is the vein of Marquette jasper. If you are inclined to dig, there is plenty of it left.

Also a stop at the old Brownstone quarry in the city limits to conclude the tour. The total distance for the tour is about one half mile.

On June 22nd, from the Courthouse at 10:00 A.M., I will lead a trip to the Felch area in Dickinson County. We will visit three quarries and there will be something for everyone; Feldspar, Mica, Garnet, Pyrite, Marble, and Actinolite to mention a few. And to top the day off we will visit the Steinbrecker Potato Farm where a camera is a must. I must have visited Fabian's place several times and what he does with stone can't be fully described. You've got to see it.

(Everyone picked up specimens at the Marble quarries. Through the efforts of a few strong men and a couple of tools, a huge chunk of marble with beautiful blades of actinolite was broken down into manageable sizes. The second quarry yielded some good books of mica. "Red Rock Hill" didn't give up a single garnet but everyone picked up samples of Feldspar & Mica.

Mother Nature timed her shower for our convenience; noon time. We enjoyed the covered picnic area at Felch for an extended lunch hour.

Fabian Steinbrecker has been busy with marble since our last year's visit. Several new things have been added in front of the house and the long hallway inside has been lined with marble and features a picture gallery. Thirty or so marble clocks were spread out in two spare bedrooms. He just finished making these as gifts to give to his classmates at their 50th class reunion the following week at their farm.)

JULY 11-13 STONEHEAD LAPIDARY & MINERAL CLUB SHOW...O. Sain

This small but energetic club puts on a show every year. They have displays, silent auction, raffle, door prizes, and a dealer or two. The club also offers copper items for sale.

One day we were there it rained steadily which cut attendance. We did a lot of visiting with them and in so doing learned of a couple of collecting sites across the border in Wisconsin. This same couple came to our swap to bring a map of all the iron mines from the Gogebic Range to Mellen, Wisconsin. Another club member came in after his work shift at the mine with many boxes of cleaned copper; heavy crystalline; delicate and lacy; swordlike; arborescent silver, etc. These were some of his acquisitions since the mine reopened. This was worth the trip.

We donated an agate and copper ming tree and a nice chunk of Kona for door prizes which they were pleased to get. I had copper wire and tools along so to fill the time I had them twisting wire for trees and making rings with me. We drew quite a few spectators from the shoppers in the Mall. Club members said this would give them something new to do this winter at their meetings. Its always nice to share.

JULY 25-27 COPPER COUNTRY SHOW AND SWAP....O. Sain

Thanks to a friendly rockhound carrier, we were able to fill a request for a display of iron range minerals.

This years show was even better than last years. There were many fine exhibits of Copper, Silver, Thomsonites, Fossils, Arrowheads, and artifacts to see. The dozen or so dealers had a wide variety of goods to choose from; from machinery, raw materials, slabs, preforms, polished cabs, findings, finished jewelry to specimens and decorator items. Demonstrations included centrifugal casting and lost wax casting, faceting, and gold wire wrapping. A slide program "Micromounts of the Copper Country" was beautiful to see as well as educational. A silent auction, door prizes, and raffle tickets were available. Outdoors, a goodly number of swappers had tables set up with their specialties. Free daily field trips were also provided.

Our stay was much too short. Lucky were those who camped at the site and participated in the full three days.

PLEASE NOTE Anyone outside the area who writes for information will need to enclose self-addressed, stamped envelope for a reply. NO STAMP, NO ANSWER!

***Now is the time to be thinking of ideas for Christmas party favors. Do you have an idea wherein we could have a work bee? How about volunteering at the September business meeting.

There are many levels of expertise in the hobby and study of microminerals. There is the joy of discovering crystals in the "holey" rocks we bring home to break apart to explore each tiny hole. The shapes and sizes of the crystals are fascinating.

We then try to reduce the specimen in size to fit into a 3/4 inch square box to preserve but most of our discoveries never get captured in a box.

It adds to the satisfaction of our curiosity if we can label our find with a name. This takes an expert in most cases. Then, after the mineral has been identified, it's nice to have some documentation. So the highly skilled take photos of the minerals through the microscope. This is a precise skill. We have admired the beautiful pictures of micro-minerals in books.

After the pictures/slides have accumulated some micromounters are skilled enough to present slide shows and give instruction on identification.

Probably the greatest expertise is required to publish articles and professional papers on a group of minerals. You have to know what you're talking about and be able to express it in the written word. This person is a true professional. In our club we have members at all levels of expertise.

Recently, one of our non-resident members, Tom Morris, spent a day photographing through the microscope the material we had mounted from White Pine. He also gave instruction to those present so they can take their own pictures in the future. Tom is a member of the Mineralogical & Lapidary Society of Dearborn and does the instructing in their Mineralogy study group. Also, he has published articles on Michigan minerals in various magazines.

Then in our group we have two professional geologists, Karen and Dean Rossell, who will document the White Pine material for publication along with the photographs taken by Tom. We are fortunate to have so much expertise even though our numbers are few.

We will miss Carlton Gutman who introduced us to the fascinating study of microcrystals. He has been our instructor, encouraging to try our hand at identifying, mounting, etc. Carl Sue and daughter Halley have moved to Albany, New York.

Also missed will be the Rev. Wm. Rodgers who was transferred to a parish in Louisiana.

The Ishpeming Rock and Mineral Club has a GOLD and a SILVER issue of the Mineralogical Record for sale. These are collectors' items. We would appreciate you telling others about these issues and for exchange editors to pass the word on to their clubs. The money for these magazines goes into our local scholarship fund. You can address your inquiries to our club president, L. W. Sain 818 W. Kaye Ave., Marquette, Michigan 49855.

THE JASPILITE

OFFICIAL PUBLICATION OF THE ISHPEMING ROCK & MINERAL CLUB, INC. PUBLISHED QUARTERLY
IRMC officers for 1986

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Treasurer	Arnold Mulzer	322 Rock St.	Marquette, 49855	226-2321

MEMBERSHIP: The IRMC, Inc. is open to anyone interested in the earth sciences.

Iniation fee	\$1.50
Husband & Wife annual dues	3.00
Adult annual dues	2.00
Junior annual dues	1.00

JASPILITE EDITOR: O. Sain. Mail exchange bulletins to P.O. Box 102, Ishpeming, Mi. 49849

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.
..Bob & Marian Markert

FIRST CLASS M



ROCK and MINERAL CLUB

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ISHPEMING, MI. 49489

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From the President

Plans are well on the way for the coming year. Field trips for the summer months are being laid out. The (Swap-Shop-Show) is set for August 5, 1989 at the Ely Township Hall. For it to be a success, we need your help; don't wait to be asked, contact a chairman or me.

Two new activities were implemented this past winter--highlighting a mineral at the monthly meeting and a short presentation on minerals at the business meeting. Both have given a new dimension to the meeting. Any more new ideas are welcome. Remember this is your club; it can only grow and become what you want it to be, if you give of your time and effort.

With the silent auction only a month away, it is time to be rummaging through your basement for minerals for the auction.

Remember, all meetings are open to the public; bring a friend. Wear your name tags. Let us know what you want to happen at the meeting. Ernie Johnson

From the Secretary's Minutes.....Dawne Smail

January: A request from a teacher in Ontario, California for rocks and minerals, and fossils to be used in a program involving troubled youth was honored when Bud Nichols sent off our club's donations. The IRMC is fortunate to have members who have a long history of involvement with youth and promotion of the joy of rockhounding. We have such a rich area of rocks, minerals and fossils on our doorstep, we are pleased to share and have young people caught up in our exciting hobbies.

Marve Starbuck, MWF endowment fund chairman sent our club a 300% certificate for our donation to the fund to date. He also said we have been credited with an additional \$65.50 from sale of minerals donated to the Silent Auction in Macomb, Illinois in 1988.

February: We have decided to submit IRON as our nomination as State Mineral. The committee appointed to work on it are Bud Nicholls, Larry Sain, Bart Bartelli, and Bruce Spike.

Bud Nicholls would like specimens and tools he could use in his youth work at local schools. Dental picks, beef bones for scrimshaw, rocks and other non-returnable items are needed.

Our August 5 annual swap will be listed as (Swap, Shop, Show).

Sunday Program Reports....Jan Ruonavaara

January 5: Olive Sain gave a presentation on Iron (Hematite and Goethite) and had an excellent display of iron minerals supplemented by specimens from other club members.

Bud Nicholls displayed many kinds of maps and explained how to read and use them in locating sites when out in the field. We need further instruction from him and hope he will return again and again to share his knowledge on this topic.

February 19: Copper was the mineral of the month. Milt Gere spoke on Copper and the members brought in a combined beautiful display of Copper including Copper skulls, crystals, sheet, float, massive, clusters, conglomerate, arborescent, chips, smelted, inclusions, etc.

Milt also gave of his expertise on the Michigan Geological Survey and cast some light on a subject of interest to all rockhounds.

Club News.....Jan Ruonavaara

Obituary: Our deepest sympathy and heartfelt prayers are extended to the families of Clem Newman and Lily Johnson, who passed away since our last newsletter.

Clem was a long time member, almost from the beginning. He was a skilled craftsman and especially noted for his inlay tables, trivets and crosses. His local church has a beautiful cross of Jaspilite; one of his last big projects.

Lilly Johnson joined the club after retirement but enjoyed many years collecting in the field. She especially liked searching for copper. She and a few other members used to walk abandoned railroad tracks of the dated nails. Lilly was also the lady in charge of the registration desk at our program meetings.

Travel news: Some lucky people get to go south or west to escape a few weeks or months of winter. Jim and Pat Procnier are visiting their son in sunny, warm Florida.

a look at ancient history we will visit a (Dolmen) or trail marker left by ancient travelers in the vicinity of Goose Lake. NSW Section 13-47-30. Then back to M 95 and over to the Pesheke River and up the Dishno to wildcat canyon creek. Perhaps the moose will cooperate and pose for a few snapshots. Also if Champion Paper Co., gets the road built we will continue on for another couple of miles to view yet another (Dolmen). Bring a big lunch--this may prove to be a long day. Watch for the date in the next Jaspilite.

Additional Dates to Remember.....Arnold Mulzer

June 4 Open house at K. I. Sawyer Air Base.

June 16,17. MGAGS Seminar at Kalamazoo. Many opportunities to learn!

June 22-25. MWF Convention , Kalamazoo. Beautiful displays, Many demonstrations, excellent programs! Renew old friendships and make new friends.

Sept. 2 and 3 Field trips with ESCONI Club of Chicago. More information later.

Dec. 3. Annual dinner and Christmas party at the Northwoods Supper Club.

We are waiting on the State for our raffle ticket license and number. As soon as we get them printed they will be sent to you. I would also like to mention that in the past, each member was expected to donate a prize (lapidary or other) for the raffle. We hope to have 30 prizes again this year.

Also, we need material for the Silent Auctions; both April and August. As you do your spring cleaning sort through your surplus and set some aside for both dates. By cleaning out some of your old materials you'll be making room for this summers new collections.

January of each year is the time to send in your dues. Have you sent yours in? Check your wallet; do you have an up to date receipt (1989)? If not put this Jaspilite down, get out your check book and make out a check for your dues. A little note thanking me for reminding you would be nice. You surely don't want to be dropped from our mailing list for the Jaspilite now that it is back in full swing listing all the fun trips for 1989. If you are interested in the 1989 membership list (coming out in April) send a stamped, self addressed envelope along with your dues.

Micromounters.....Ingrid Bartelli

Picture the Central Copper Mine poor rock piles frozen deep beneath huge banks of swirling drifted snow. Over 300 inches of snow has fallen on those piles in the Keweenaw this winter. An all time (recorded) snow fall record could well be set in the 88-89 season.

That is the mine--the Central-- that a group of IRMC members have been exploring each week during the "lull months" after Christmas and before gardening time.

The cold and snow are the least of our worries as we convene to explore each crack, crevice and cavern from our Central collections in the warmth and comfort of the luxurious and spacious mineral museum/workshop of the Sains.

In addition to our hosts, Laurence and Olive Sain, our group includes Don and Jan Ruonavaara, Bruce and Sharron Spike, Lowell, Dawne and Dixie Smail and Leonard and Ingrid Bartelli.

So far we have isolated and identified 30 different minerals--many of the crystals are fantastically beautiful. In addition we have quite a number of specimens we are unable to name so they are labeled with a ?. Hopefully by spring we will have each of them preserved in the safety of a micro box.

The challenge and thrill of finding the tiny, often perfect crystals is the ultimate reward of rock hounding and helps justify the investment of a microscope. Thusly, our "hunting" season is extended from 3 to 12 months in spite of the Keweenaw snow.

Off the Beaten Path.....Bruce Spike

Upper Michigan with it's almost endless variety of rocks and minerals, has been called the Rockhounds paradise. Mining is one our leading industries, second only to the timber industry. Both had their beginning as a result of exploring and discovery.

The early government surveyors collected samples of every rock outcrop. This led to the discovery of iron ore in the Negaunee area. The Indians had known it was there for ages. They used it as war paint or whatever they decorated their bodies for. Another tell tale sign was the strong magnetic disturbance in local areas. This proved to be troublesome. So William Burt invented the solar compass. Using a solar compass, the surveyor was able to determine a true bearing very quickly without lengthy calculation. Magnetic ore (magnetite) in the area south of Ishpeming would swing the needle a full 180° from magnetic north.

The geological features of the U.P. present an irresistable challenge to all rockhounds to get out and explore. The old fault lines, the volcanic deposits of the Keweenaw, the limestone deposits with its fossils, the evidence of prehistoric mining and the unsolved mysteries of the dolmens are all invitations to get off the beaten path.

DID YOU KNOW???

That a mineral is a natural, inorganic solid constituent of the earth's crust. Most minerals also have definite crystal forms. Mineralogy is the science of Minerals.

That rocks are aggregates of natural minerals, usually large units. Sand and gravel are also considered as rocks. Petrography is the science of rocks.

That stones are the collective name for all solid constituents of the earth's crust. For the jeweler a stone is a gem; for the architect the material used for building streets and