

THE JASPILITE

Affiliated with the Midwest Federation of Mineralogical & Geological Societies

Business Meetings: 1st Fri. of Month. 7 PM--Jacobetti Veterans Facility
425 Fisher Street, Marquette, Michigan

Program & Activity: 3rd Sun. of Month. 2 PM Marquette Township Hall, West of
Marquette, Michigan



ROCK and MINERAL CLUB

P.O. Box 102

ISHPEMING, MI. 49489

Dear Club Members,

With summer now here, many activities loom ahead of us; field trips, MGAGS Seminar, MWF Convention, and our own Rock Swap along with just enjoying getting out doors with family and friends. I encourage all of you to take part in as many of the activities as possible.

With our Rock Swap less than two months away, now is the time to set aside items for the Raffle, Auction and door prizes. Make out your auction tickets, if possible, and fasten to each item, especially the very small ones. Volunteer to help to make it easier on everyone and so that everyone gets some free time to enjoy the day.

See all of you at the Swap! Have a great summer.

Ernie Johnson, president

HI LITES.....Secretary's Minutes.....Dawne Smail

At the April meeting there was some discussion on a dues increase; no action taken. The membership application forms are to be redone.

The first field trip was to the Champion and Ohio mines on May 3. It was a great day for finding tourmaline at the Champion mine. Sammet blende and Hematite rosettes on calcite and quartz were found at the Ohio; also chalcopyrite, mountain leather, dolomite, etc.

Dan Fountain, club member, has written a book on gold mines in Marquette County which should be available in early fall. It has been advertised in the Lake Superior Magazine.

The Silent Auction held at the April general meeting was successful.

Thomas Rasmussen, Marquette and a student at NMU is the 1992 scholarship recipient.

May 15-18 The Smails, Ruonavaaras, Bartelli's, Bemis's, Bulots, Dave Olsen, Bruce Spike and Sharron camped at the Hancock City Park, hunted poor rock piles in Houghton and Keewenaw counties. Some nice Natrolite was found at the Copper Falls mine. The fall field trip will headquarter at the same park from Sept. 3-9.

Hi-lighting a mineral at our program meetings has been well received by members and visitors and will be continued. Olive Sain has volunteered to do Mica for the October meeting. Needed are volunteers for Nov., Jan., Feb., Mar. and April. Please refer to the March 1992 Jaspilite so you can choose minerals other than those presented so far.

Program meeting dates through April of '93-- Oct. 18, Nov. 8, Xmas dinner Dec. 6, Jan. 19, Feb. 16, Mar. 15, and April 26. The club officers need your help in suggestions for programs and for providing programs.

Since the last bulletin, we have lost three longtime members: Larry Ahrndt, Luella Reidy, and Doris Garceau. We extend our deepest sympathy to their families.

Bob Markert has 16 paintings of minerals he's done during the winter which he will exhibit at the summer Swap.

June 7 the club membership were privileged to tour the Republic Mine, courtesy of CCI and Jim Procnier who made the arrangements. Forty nine members were in the tour and all collected many interesting specimens. Lots of pictures were taken while down in the pit.

Janet Blabaum (new member) and geologist from Wisconsin brought specimens of Lead/Zinc from SW Wisconsin close to Dodgeville. She says only 2 adits are left in the area that are available to visit. All others are bulldozed in.

The IRMC are 700% members of the MWF Endowment fund.

A \$100.00 donation was sent to the Seaman Museum.

Hosts/hostesses for business meetings: June 5--Art Wiig, July 17--Leon Anderson, Aug. 14--Olive Sain, Sept.--no business meeting, Oct. 2-- need a volunteer.

Help Promote our Youth Project.....Olive Sain

The sets of identified and numbered minerals and rocks which we have had at our last two Swaps have proved very popular and the fine reports we hear during the year are encouraging. We have an order for 30 some sets which haven't been completed yet. The plan is to make up 50 sets so we have some extra available at the swap. This is a reminder to those who provided Pyrite (No. 2), Magnetite (No. 5) and Jaspilite (No.23) to round up and number 50 specimens from your storehouse or canvas club members for them. I would like to have them by the middle of July. I will be calling for a couple of volunteers to glue the labels on and in the boxes.

We also sell loose and single minerals from duplicates or other kinds of minerals; labels are provided with each kind. The extra egg cartons are used for those who want to make selections from these other kinds of minerals and rocks. If you are a new member, especially from

some other area and have some representative minerals from your area to share with children please bring them to the children's table. Have written or printed labels to hand out with the specimens. You can all help to broaden the range of mineral experience for our youth. Many casual visitors ask if adults, too, can be allowed to purchase and learn the names of these rocks and minerals. We provide a service to young and old at this table; the WE means all members of the club!

Welcome New Club Members of "92

Name	Phone	Street	City, St.	Zip
Cavanaugh, Charles & Ruth	317/447-3400	3141 Prairie Lane	Lafayette, IN.	47904
Collins, Jim & Judy	906/249-9524	201 Judy St.	Marquette, MI	49855
Dylm Frank	906/337-3657	435 Caledonia	Calumet, MI.	49913
Gallun, Bob & Gerry	906/337-2663	RR 1 Box 419A	Calumet, MI	49913
Jaszczak, John	906/487-2255	Dept. of Physics MTU	Houghton, MI	49931
Matthew, David L.		211 Spring Valley Lane	W. Lafayette, IN	47906
Schuder, Don & Mary	906/337-1062	RR Box 424	Calumet, MI	49913
Whelan, Steve	906/337-2599	Rte. 1 Box 404	Calumet, MI	49913
Williams, Don	906/337-5302	81 Mohawk	Mohawk, MI	49950
Wright, John & Linda	906/346-4178	541 Co.Rd. NF	Gwinn, MI	49841
Jones, Dick & Doris	317/362-3030	511 S. Elm	Crawfordsville, IN	47933
Duester, Everett & Sue Lake	616/772-9870	34 S. Elm	Zeeland, MI	49464
Fosburg, Kurt & Kathi	906/475-5101	207 Neejee Rd.	Negaunee, MI	49866
Anderson, Leslie & Ida	906/486-8875	121 E. Barnum St.	Ishpeming, MI	49849
Richards, Pete	216/775-3412	154 Morgan St.	Oberlin, OH	44074
Letoski, Leo	906/337-1891	332 Florida St.	Laurium, MI	49913
Blabaus, Janet	608/929-7881	1925 Pompey's Pillar Rd.	Highland, WI	
Zach, Mike & Amy	608/325-4835	1115 16th Ave.	Monroe, WI	53566
Woodriff, Dan & Barb	608/325-5688	2308 10th St.	Monroe, WI	53566
Meyer, Ed.	715/735-9007	2818 Minnesota St.	Marinette, WI	54143

ROCKHOONDING.....Bruce Spike

THE PAST-----

The practice of collecting rocks (gems) and minerals is as old as history itself. Even primitive peoples adorned themselves with such items. Gold, silver and copper were among the metals prehistoric man could work with his primitive tools. Stone-age man made use of flint, quartzite and other rocks to fashion arrow heads, knives and hammers.

Objects designed in gold and lapis lazuli dating back twenty four centuries B.C. to the Twelfth Dynasty have been found in Egyptian Tombs. All of it came from mines in Afghanistan which have been producing continuously for seven thousand years.--Via--GEMS.

Amateur collection of rocks and minerals (rockhounding) became wide-spread. It was educational and many individuals continued the study of mineralogy, geology, paleontology, archaeology and jewelry making. The free collection of rocks and minerals was taken for granted.

THE PRESENT-----

Restrictions on collecting came to a head this past summer (1991) when a Wisconsin club was cited and fined by their own DNR for collecting pegmatite samples on State land. Land which was unposted, with no boundary lines marked to define it from adjacent private land. A site which had been used for years by Geology classes for study. And no notice that DNR code 45.04 was to be enforced.

The code states that "No person may destroy, molest, deface, remove or attempt to remove any natural growth or natural archaeological features on State property; except fruit, nuts or wild asparagus". The use of metal detectors is prohibited. Code 45.13 states that scientific areas posted with appropriate signs can be collected with a written permit issued by the department. Removing minerals by a commercial collector requires a mining permit.

A panel discussion was held at Monroe WI. high school on March 28, 1992 with DNR, State geological survey, professors and amateur collectors present. The reasons for this state rule and the incidences of commercial and amateur collecting with the issuance of the above citation were discussed.

WI. club members and all school children were requested to write and sign petitions to reclaim their rights to collect rocks, minerals and invertebrate fossils on state land for personal use. Only surface collecting with hand tools was proposed. Amateur collecting is an aid to education and a boon to tourism. Under the code, no child could legally play in the sand along a stream.

An advisory board has been formed to further clarify the poor communication between DNR geological survey and the public.

Wisconsin is not alone in this restriction of rights to collect rocks, minerals and fossils. At the Tucson show, meetings and discussions were held regarding proposed State collecting laws.

South Carolina--New law requires fossil collectors to identify what they have collected and the state has 60 days to claim it with reimbursement.

Colorado--Reportedly has passed a new bill.

N. Dakota--Has a proposed new bill down on paper.

S. Dakota--Has a committee working on a new bill.

Other states-- Nebraska, Wyoming, Utah, Ohio and Indiana are considering a rewording of their regulations.

In the January NFMS newsletter, Northwest President Jon Spunaugle suggests we have, "A PROBLEM OF IMAGE". Rockhounds are perceived as environmentally careless and engaged in illegal collecting. Bartering (or selling) is considered a commercial activity and therefore illegal.

THE FUTURE----

The future is in our hands.

1. Keep abreast of any pending legislation which could limit activities. Remember environmentalists will stop at nothing. They base their demands on emotions--not facts. Contact your state legislatures.
2. Get permission to enter private or public lands prior to entering.
3. Many land owners are concerned about LIABILITY. All clubs should carry liability insurance. Inform property owners of this coverage and furnish them a copy if requested.
4. A waiver of liability, signed by all participating field-trippers should be furnished to land owners offering permission to collect.
5. Above all, PROTECT YOUR IMAGE.

20 QUESTIONS-- a match of question and answer.

1. What mineral will expand at the surface and crack from the warmth of your hand?
2. What mineral gets its name from the word "kobold" given to imps that were supposed to live underground and tease the miners?
3. What mineral may alter to hemimorphite, smithsonite, and willemite?
4. What mineral is so soluble in water that it will only be found on hot lava rocks immediately after its formation?
5. What mineral, when it is transparent and colorless, is used in the manufacture of boules used in laser beams?
6. What mineral, when it is transparent and colorless, is used in geological (polarizing) microscopes?
7. What mineral is the commonest and most stable of the secondary ores of copper?
8. What mineral is unsatisfactory for collections because it usually loses water and crumbles to pieces in a short time?
9. What mineral turns pink when heated?
10. What mineral has a high luster and typical wedge-shaped crystal cross-section?
11. Which is the pistachio mineral?
12. What mineral is most familiar for its use in cosmetics?
13. Which mineral has a variable hardness?
14. What mineral is used in the manufacture of whetstones?
15. What is "soft lead"?
16. The action of carbonated water on galena changes it to what mineral?
17. What distinctive mineral is a vivid vermilion red?
18. Which is the lightest metal?
19. What mineral, because of its ability to transform pressure impulses into electric current, is used in depth gauges in submarines?
20. What is an iron rose?

MATCH ANSWERS TO THE 20 QUESTIONS

- | | |
|---|---|
| a. Lithium | i. Cerrusite |
| b. Novaculite | j. Cobalt |
| c. Sulfur | k. Topaz |
| d. Epidote | l. Tourmaline |
| e. Sal ammoniac | m. Talc |
| f. A concentric grouping of tabular plates of shiny black hematite. | n. Calcite |
| g. Malachite | o. Cinnabar |
| h. Kyanite; it can be scratched by a knife blade along the length of the crystals, but not at all on the width. | p. Fluorite |
| | q. Galena that does not contain silver. |
| | r. Sphalerite |
| | s. Chalcantite |
| | t. Sphe |

Gleaned: Field guide by Pough 1,001 Questions. Via--Gems

MESSAGE FROM A NEW MEMBER.....Anonymous

I see you at the meetings, But you never say hello;
You're busy all the time you're there, With those you really know.
I sit among the members, Yet I'm a lonely guy
The new ones are as strange as me, The old ones pass us by.
Darn it, you folks asked us in, And talk of fellowship,
You could just step across the room, but never make the trip.
Can't you nod and say hello, And stop and shake a hand?
Then go and sit among your friends, Now that, I'd understand.
I'll be at your next meeting, And hope that you will spend
The time to introduce yourself, I want to be your friend.

.....from Downtown High 12 Bulletin

*****ISHPEMING ROCK AND MINERAL CLUB ---SWAP, SELL AND SHOW---Aug. 1, ELY TWSP HALL
FIELD TRIP TO LINDBERGS QUARRY---Aug. 2.

TILDEN SUMMER MINE TOURS BEGIN

The Ishpeming and Marquette Chambers of Commerce have joined with Cleveland Cliffs to offer public tours of the Tilden Mine this summer. The tours will begin June 16 and run through the end of the summer. One tour per day will be offered Tuesdays through Saturdays at noon and lasting approximately two hours.

Tours will be limited to a maximum of 30 people daily. Advance tickets can be purchased at either Chamber of Commerce office. Tickets are priced at \$5.00.

This will be the first regularly scheduled public tours of an operating iron ore mine on the Marquette Iron Range. (Action Shopper News. 6-17-92)

IS THERE SOMETHING INSIDE MY ROCK? (Glacial Drifter)

Many times lapidaries, rockhounds and mineral collectors have a nodule, concretion, septarian, geode or just some spherical, or partly spherical, or disc shaped rock and wonder what it contains, if anything.

If the rock is metamorphic or igneous, it probably contains agate, as Brazilian agate for example, or some other form of silica. If the concretion was formed in sedimentary rock, it may be from an inch or less in diameter to many feet across, and it may be spherical, ellipsoidal, flat, ringshaped or some other odd or fantastic form and contain one or a number of many substances.

Concretions formed in sedimentary rock generally are an accumulation of mineral matter that forms after the sedimentary deposit has been laid down. Generally the concretion is composed of one of the minor constituents of the enclosing rock.

In chalk and limestone, these concretions consist of silica most often and form flint nodules, etc. In sandstones, they consist of iron oxide or calcium carbonate, and form calcite, aragonite, etc. In shales, they are calcium carbonate or iron sulphide. Manganese nodules partly encrusting shark's teeth have been dredged from the ocean bottom. Indeed many concretions contain a fossil at their center, which was the nucleus causing the mineral matter to settle around it, causing the matrix encasing it to harden a little more than the surrounding country rock. Indeed, most often concretions are a little harder than the enclosing rock and thus they may weather out of it.

LAPIDARY TIPS

Don't use laundry detergent to clean oil from material that has just been sawed. Use dishwashing detergent instead. Laundry detergents contain bleaches that may effect colors on many gemstones and slabs. Dishwashing detergents do not have bleaches and are balanced to breakdown oils, fats, and greases. (Crystal Cluster)

Dark household vinegar will dissolve epoxy glue by soaking overnight.

Your tools won't rust if you spray them with PAM or WD-40 then wipe them with a dry cloth. (Arkansas Rockhound News)

OFFICIAL PUBLICATION OF THE ISHPEMING ROCK & MINERAL CLUB
IRMC OFFICERS FOR 1992

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Secretary	Dawne Smail	100 Marble	Ishpeming, MI. 49849	486-6588
Treasurer	Bruce Spike	197 Midway Drive	Negaunee, MI. 49866	486-6588
Bylletin Ed.	Olive Sain	818 W. Kaye Ave.	Marquette, MI 49855	226-3933
				226-7325

Mailing address: Ishpeming Rock & Mineral Club, Inc., P.O. Box 102, Ishpeming, MI. 49849
Membership Chairman 2nd V.P. The club is open to anyone interested in the Earth Sciences.
Initiation fee-\$1.50. Annual Membership dues--Husband & Wife-\$3.00, Adult-\$2.00, Jr.-\$1.00

OUR PURPOSE

To enjoy, to learn, to teach and to conserve

The rocks, the gems, the fossils and ores.

To collect, to admite, to brag and to show

The material we've found, we'll trade for yours.

.....Bob and Marian Markert



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