



THE JASPILITE

MAY 1985

Affiliated with the Midwest Federation of Mineralogical & Geological Societies

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

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

ROCK and MINERAL CLUB

P. O. Box 102

ISHPEMING, MICH. 49849

The President's Message By: Laurence Sain

Just a few words from your new-old president. I say it that way because I have been president before and we are reaching back for those who have served previously. I'm certain there are others who could do a good job. Remember I said this is not my club or your club but OUR CLUB. It takes all of us pulling together to make it go. don't wait to be asked, Volunteer! Our annual Silent Auction was held on April 21st along with a presentation by Mr. Glen Scott, Geologist for Calahan Mining Company, with a update on the Ropes Gold Mine. We had many good specimens, jewelry, equipment and other contributions. Many thanks to all who assisted to make this a success. Now for some of the projects coming up that will need much participation:

1-Our Swap & Shop for August 3rd is moving along quite well, Flyers are out as well as the raffle tickets. Talk it Up! Sell Tickets! Advertise wherever you are!

2-Summer field trips: these are in the planning stage. We hope to have some interesting and enjoyable trips with good participation.

If you have any ideas for the improvement of our club, its meetings or its officers, speak up. We need your expertise as well as your presence at all the meeting-Business and program. Lets keep up the reputation of the IRMC. - - - Laurence Sain

Secretary's Highlights

the Feb. 1st business meeting the following committees were appointed by President Larry Sain :	
PROGRAM - - - - - Alan Korby & Bob Procnier	LIBRARIAN - - - Ernest Johnson
PUBLICITY - - - - - Helen Johnson, Olive Sain & Betty Bellous	SWAP & SHOP - - - Bruce Spike
MEMBERSHIP- - - - - Dennis Mapes	RAFFLE - - - - Jim Procnier
FINANCE - - - - - Bernie Kaukola & Jim Procnier	SILENT AUCTION- - Arnold Mulzer, Alan Korby,
FIELD TRIP- - - - - Bruce Spike & Leonard Bartelli	Art Wigg, George Ruska &
SAFETY - - - - - Leonard Bartelli	Bob Procnier
Jaspilite Editor- - Jim Procnier	HOSPITALITY - - - Lilly Johnson
SCHOLARSHIP - - - - Laurence Sain, Frazier Tubbs, Arnold	HOST OR HOSTESS - To be announced
Mulzer, Bob Procnier & Ingrid Bartelli	

In February a request was received from the Negaunee Historical Society for mineral specimens and the club voted to donate them to the society and will ask our members to give some from their collections. A very informative program on Accident Prevention & First Aid was given by Bob Procnier. In March our own member Jill Peterman gave a very interesting talk on Kimberlites of the U.P. - Highlights of her talk appear elsewhere in this bulletin. Plans for the Swap were reported to be going well. The club voted to award the scholarships to the following: Mr. Wesley W. Wiggins of Northern Michigan and Mr. Stephen N. Cooper of Michigan Technological Univ. In April it was announced that the field trip for Memorial weekend will be to Carlton County, Minn. Bob Procnier presented the check to Stephen N. Cooper at Mich Tech and Pres. Sain presented the check to Wesley W. Wiggins at our annual Silent Auction. The auction was held on April 21st and \$115.00 was raised for our scholarship fund. Also at the April 21st meeting Mr. Glen Scott, the lead Geologist for Calahan Mining Company gave us an update on the progress at the Ropes Gold Mine in Ishpeming.

SHOP HINTS

To mark your specimen use a spot of typist's white correction fluid called "Liquid Paper". Use a ball point or marking pen to write your identifying number on it. (This is impervious to water and most acids.)-from the Flint Rock & Gem Club Newsletter

WARNING: DO NOT wear Gold rings when working with chlorine bleach. Jewelers have discovered that household bleach is the cause of broken prongs and hairline cracks in the gold jewelry. Even daily swims in a pool will damage gold rings and chains. The chlorine attacks the alloy in the gold.-Rockhound News, Lansing, Mich.

WANTED: COPPER! "Good Stuff" Need cutting materials and nice mineral specimens. Also wanted: Calcite, Cuprite and Copper skulls.

AVAILABLE TO TRADE: Northern Manitoba & Northern Ontario Mine Specimens. Silver from Cobalt; gem quality Cordierite, Kyanite, Staurolite, Garnet, Hemlo Ore, Stibnite, para Realgar, Barite, Vanadium Mica also micro Titanium, Vanadium, Arsenic, Antimony & Tellurium.- Phil Walford P.O.Box 146 Marathon, Ontario, Can.

KIMBERLITES OF THE U. P.

Jill Peterman, Lead Geologist; Jack Murphy, Trustee, Crystal Falls, Mich.

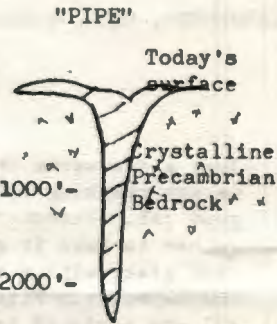
There has been considerable exploration interest in the area of Iron County, Michigan. A body of Kimberlite has been "discovered" within the past ten years in the vicinity of Lake Ellen and the Michigamme Reservoir.

Kimberlite is a volcanic rock which can be a host rock for diamonds. Kimberlite "pipes" are a oddity to the U.P. in that they are geologically quite young-post Ordovician in age- and are not metamorphosed like the surrounding rock. This pipe is the only documented find to date. Exploration companies are actively looking for more of these pipes, but their research is made difficult by tens and hundreds of feet of glacial overburden. (At the same time, this also makes for difficult panning in stream beds by rockhound hobbyists !)

According to most authors, Kimberlite pipes have a classic shape. The diagram shows the conical shape of the pipe. Some Kimberlites in southern Africa are mined as deep as 2500'. Diamondiferous Kimberlite contains both gem-quality and industrial diamonds. Proportions of these can vary from pipe to pipe. Why these pipes come to the surface of the earth is not fully understood. Kimberlite pipes are estimated to be emplaced very rapidly and violently. (approximately 70 m.p.h.)

Kimberlite is a rather unimpressive rock in hand specimen. Samples from the Lake Ellen Kimberlite are grey-green with a few blocky white limestone fragments. Most of the rock is composed of olivine, garnet and black magnesium ilmenite. Microscopic mineral grains were on display courtesy of Olive Sain and Ingrid Bartelli. The garnet grains are especially beautiful under a microscope. They vary in color from purple, blood red, orange to pink. These garnets are quite different than, for example, garnets from Lake Michigamme area. Kimberlite garnets have virtually no crystal facies and are quite fractured.

For further information, the U.S.C.S. publishes Circular 842, " The potential for diamond bearing Kimberlite in Northern Michigan and Wisconsin" by Cannon and Mudrey. I understand this information is free for the asking.



10th Annual Swap & Shop- August 3, 1985

Swap chairman Bruce Spike announced the following assignments for the Swap and urges all other members to show up and help make this the most successful one to date. Come on out and Buy, Sell, Trade and bring a friend. The Swap starts at 9 AM to 5 PM and the Crackerbarrel will be at 7PM. The Field Trip will start at 1 PM on Sunday. Those on the set-up detail and the first ones to man the registration table should be there by 8:15 AM, also those setting up the silent auction and the raffle tables.

SET-UP Crew- Dennis Mapes, Don Ruonavaara, Tony LaChance and Pat Bemis.

Silent Auction- Ernest Johnson, Arnold Mulzer, Alan Korby, Art Wigg, George Ruuska & Bernie Kaukola

REGISTRATION TABLE- (Two at a time for two hour shifts) Jan Ruonavaara, Marie Spike, Ingrid Bartelli, Theresa Bemis, Pat Elie, Janice Mapes, Betty Bellous & Lucille Scotti.

RAFFLE TABLE- Jim and Pat Procunier and others who may volunteer or be drafted.

FOR THE CRACKERBARREL:

COFFEE, TEA AND SNACKS- Ingrid Bartelli and Bruce Spike

RAFFLE DRAW- Bruce Spike and Jim Procunier

The Program will be announced at a later date. The Field Trip will be led by Bruce Spike & Bart Bartelli

JUST FOR THE FUN OF IT

"I'm Really Feeling Just Fine My Friend"
There's nothing at all the matter with me,
I'M just as healthy as I can be,
I have arthritis in both of my knees,
And when I talk, I talk with a wheeze.
My pulse is weak and my blood is thin,
But I'm awfully well for the shape that I'm in.

I have arch supports for both my feet,
Or I wouldn't be able to go on the street.
Sleeplessness I have, night after night,
And in the morning I'm just a sight.
My memory's failing, my head's in a spin,
I'm peacefully living on aspirin.
But I'm awfully well for the shape I'm in.

I think my liver is out of wack,
And a terrible pain is in my back.
My hearing is poor, my sight is dim,
Most everything seems to be out of trim,
But I'm awfully well for the shape that I'm in.

The moral is, as this tale we unfold,
That for you and me who are growing old,
It's better to say, "I'm fine" with a grin,
Than to let them know the shape we're in.
(By Mary Edwards-The Tully, Park Forrest, Ill.)

A State Trooper pulled a driver to the side of the road and asked him if he knew he was driving without tail lights. Seeing that the motorist was visibly shaken by the news the officer added, " Don't worry-it's not that serious.

"It may not be serious to you, but it is to me", replied the motorist. "I've just lost my trailer, my wife, three kids and the best piece of petrified wood I've found all year". (Flint Rock & Gem Club News)

KNOW YOUR CLEANERS

From the January CFMS Newsletter by Norman Hoefler, Safety Chairman. VIA: The Hammer

eculian accident reported by the National Safety Council involved two household engineers (Housewives) separate cases. Both were using an ordinary toilet bowl cleaner. Not satisfied with the way it was working to remove the stain, each one added some household bleach and stirred with a brush. One died quickly- the other spent a long time in the hospital.

A U.S. Navy medical newsletter tells about 20 people being overcome by gas or gasses released from a cleaning mixture. Investigation revealed the mixture included a wellknown liquid household cleaner, chlorine bleach and ammonia.

What happened in the above cases was that a poisonous gas was liberated when the users decided to use a mixture of two or more common household cleaning agents. When the widely used chlorine bleach (a sodium hypochlorite solution) is combined with an acid or acid-producing substance, such as toilet bowl cleaner or vinegar, there is a sudden release of a quantity of chlorine gas. Likewise, when the chlorine bleach is mixed with ammonia, lye or other alkaline substances, the action will produce a highly irritating gas. If the gas is inhaled, in each case, it can cause serious injury and possible death. Accidents of this type have occurred not only in the kitchen and bathroom, but also in the cleaning and treating of the water in swimming pools. Don't make the mistake of thinking that because household products are good and useful that the combination of two or more of them will do a better job. Follow the rules- use chemical cleaners as the manufacturers direct on the label, and keep in mind some scouring powders now contain chlorine bleach. It is best, anyway, not to use a hypochlorate (chlorine) bleach in toilet bowls, sinks and bathtubs, or on electrical appliances, as it can injure, dull or roughen a fine smooth porcelain surface.

DO NOT MIX CHLORINE BLEACH- with toilet bowl cleaners,
with ammonia, lye or vinegar
with rust remover or oven cleaner

IN SHORT-DON'T MIX CHLORINE BLEACH WITH ANY OTHER CLEANING AGENT !!!!!

THE AFMS SCHOLARSHIP FOUNDATION By: Olive Sain

The American Federation of Mineralogical Societies (AFMS) established the Scholarship foundation and incorporated it in Minnesota in 1964. A tax exemption was obtained from the IRS the same year.

The members of the foundation, equivalent of stockholders in a commercial corporation, are the eighteen directors and officers of the AFMS. The president of the federation is always the vice-president of the foundation. The Board of Directors elects a president, treasurer and secretary, each for two terms, staggered, to insure continuity of experienced management. Thus the foundation, while an independent corporation, is entirely under the control of the Federation.

The object of the foundation is to accumulate a fund, the income only to be used to finance scholarships. The principal amount cannot be used, this insures the usefulness of the fund in perpetuity.

The grants are divided among the six federations according to the earnings generated by the contributions received from each federation. Grants are restricted to graduate students to avoid wasting money on students who are not committed to earth science subjects, as it is felt that any student working toward a Master's degree is presumed to have definitely decided to follow the field for their lifetime vocation. The students are selected by a rather complicated system: each year each of the six federations selects two persons of prominence in the earth science field. From among these persons the foundation's Jury of Awards selects one from each federation and each of these honorary award winners in turn selects the school and student who is to receive the grant. This method, while indirect, benefits needy students and avoids the enormous task and expense of receiving, sifting and evaluating applications from hundreds of students.

Any federation club may nominate someone as an honorary award winner. All that is needed is a resume of his/her education and qualifications, and his/her permission. The President of a member club can then send the recommendation to the 1st Vice-President of their federation.

NEWS OF THE MEMBERS-

I'm very happy to report that Clem Newman is recovering very well from eye surgery in Chicago and the Doctors report he is in excellent health.

I asked the members to let me know their birthdays and a few have admitted to being born: A belated "Happy Birthday" to the following:

- Marie Spike- Feb. 20th.
- Helen Johnson- Feb. 23rd. Lilly Johnson- Mar. 8th
- Olive Sain- Mar. 23rd. Dennis Mapes- Mar. 24th. Ingrid Bartelli- April 12th.
- Brandon Mapes- April 14th. Anna Mapes- April 24th. Art Wigg- May 1st.
- Jan Ruonavaara- May 4th.

THE FOLLOWING ARE IN THE FUTURE SO IF YOU SEE THEM WISH THEM A HAPPY ONE.

- Luella Reidy- May 13th. Jim Bowns- May 27th. Dorothy Bowns- May 30th.
- Don (the Mustache) Ruonavaara- June 7th. Arnold Mulzer- June 30th. Ernest Johnson- July 30th.

will let you know the ones for August, Sept. & October in the August Jaspilite- Olive Sain has very graciously agreed to type the August Jaspilite and I will be back on the job in November. Please help by sending an article to Olive to help- send it to her by July 15th.-Thanks.

I would like to remind all members to sell the raffle tickets they have and send the stubs and money(NO CASH please) to me at 572 Jopling Avenue, Ishpeming, Mich. 49849, Also we are in need of additional prizes for the raffle-so far I have 10.

COMING EVENTS

- MEMORIAL WEEKEND- Field Trip to Carlton County, Minn. -Contact Olive Sain for details.
- JUNE 15th or 16th- Republic Mine (Date will be firm by June business meeting)
- July 2nd & 3rd. MGAGS group led by Nelson Short will be up for trip to Lindberg Quarry on the 2nd and a visit to Tilden Mine on the 3rd.
- July 20th or 21st. Ropes Gold Mine & Verdantique (Date will be firm by June business meeting)
- August 3re & 4th.- Annual Swap & Shop and field trip to Lindberg Quarry for Kona
- SEPT.- Field trip to Copper Country- More on this in the August Jaspilite.
- OCTOBER- Annual Color Tour - - - " "
- NOVEMBER- Program meeting with more in August Jaspilite
- DECEMBER- Annual Dinner meeting at Northwoods Club.

HELPFUL HINTS

COLLARING TICKS- Early season rock hunters are often bothered by ticks and chiggers. Combat these pests by using a dog flea collar. Simply fasten the dog collar to the bottom of each pant leg before starting your hunt (but don't let the collar touch your bare skin.) from the Eureka News via the Glacial Drifters 4/85

TO OPEN GEODES: Soak a string in kerosene, tie it around the geode and burn the string. Then plunge it in COLD water. In many cases this will crack the geode and a light tap with a hammer will finish the job. via- Rockhound News.

THE JASPILITE

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IRMC Offiver for 1985

President	Laurence W. Sain	818 West Kaye Ave.	Marquette, 49855	226-7325
1st Vice-Pres.	Allan Korby	116 Cedar Lane	Negaunee, 49866	475-6302
2nd Vice-Pres.	Dennis Mapes	285 County Road 510	Negaunee, 49866	475-9345
Treasurer	Arnold Mulzer	322 Rock Street	Marquette, 49855	226-2321
Secretary	James A. Procunier	572 Jopling Ave.	Ishpeming, 49849	485-4263

Membership: The Ishpeming Rock & Mineral Club, Inc. is open to anyone interested in the earth sciences. The IRMC is an Educational non-profit Corporation.

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

Membership Chairman: Dennis Mapes 285 County Road 510 Negaunee, 49866 475-9345

Jaspilite Editor: Jim Procunier 572 Jopling Avenue Ishpeming, 49849 485-4263

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, IRMC



ROCK and MINERAL CLUB

P.O. BOX 102
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FIRST CLASS