



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

Summer Issue

July 2000

Purpose Statement

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.

Bob and Marian Markert

The Official publication of the Ishpeming Rock and Mineral Club is published quarterly in January, April, July and October.

The club logo and name are registered.

THE JASPILITE

From the President's Desk...the kitchen table

By the time you read this, summer should be here in the U.P. (I hope). It is great here ALL the time! The club has been involved in a number of activities in the last couple of months; a field trip to the Republic Mine, and being part of the Cub Scout day camp. The trip to the Republic Mine was enjoyed by 16 club members. I thank Bob Clark for helping to arrange the trip and being the guide for the club. He provided information on the mine and it's past activities. While there, we were able to view some of the mining equipment up close. It gives you the perspective of the size of the equipment needed to mine the iron ore. I can say everyone found something and most likely took home more than they needed!

The Scout Day camp was interesting and fun. It consisted of explaining, showing and talking about minerals to the cub scouts. Olive Sain, Al Smith, Ray DeMark and Ernie Johnson were involved and provided mineral specimens and polished stones for the scouts, as well as displays of mineral samples, rock equipment and touch stones. The scouts had the opportunity to guess the number of pellets in a jar, with the winner

getting a mineral specimen donated by Ray DeMark. The winner was Pryce Hadley from Chocoday. Between 60 and 100 scouts came by in the two hours allotted to us. I thank Olive, Ray and Al for helping with this activity.

We are working on a field trip for some time in July, when it is finalized everyone will be notified. If you have an idea for a field trip, please contact me or one of the officers. We are always looking for suggestions!

The show is coming up in less than a month, and as always, help is needed! If you can donate a couple of hours, please contact the show chairpersons. This will be our 25th show! Let's make it a great one.

Remember, this club is **YOUR** club. You get out of it what you put into it! Get involved and enjoy what the club and it's members have to offer.

Enjoy yourself, the world around you, and the great outdoors. See you at the Show!

Ernie

Meeting Schedule

Business Meetings

2nd Thursday of Month—
7 pm at the Jacobetti Veterans
Facility located at 425 Fisher
Street, Marquette



Program Meetings/Field Trips

3rd Sunday of Month—2 pm at
the Marquette Township Hall located
at 1612 Co Rd 492, Marquette

Call Ernie at 228-6422 for
details.

Mark your Calendars!

You won't want to miss these upcoming programs!

- | | |
|----------|---|
| Sept. 17 | Show and Tell
<i>Door prizes—Ernie Johnson</i> |
| Oct. 15 | Larry Lankton, MTU
Professor of Industrial Archeology (tentative)
<i>Door prizes—Ray DeMark</i> |
| Nov. 19 | Ann Joyal, NMU
Regional Geology of Marquette County and Information on the new Seaborg Center at NMU
<i>Door prizes—Leon Anderson</i> |
| Dec. 10 | Christmas Party
Annual Meeting
Northwoods |

Lortone Dealer
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How to Books

WATSSON & WATSSON JEWELERS

118 W. Washington Street, Marquette, MI
(906)228-5775

SALE

Donated equipment

JULY 22, 2000 1 p.m. to 3 p.m.
Bart & Ingrid Bartelli's Home

Ray DeMark reviewed and identified the donated equipment. It was determined to offer the equipment to club members first, anything not taken would be put on the silent auction table at the show in August.

It will be a silent bid process. A minimum price will be set for each item and anyone who wants an item will submit a bid on a bid form. The bid must be equal to or greater than the minimum price.

At 3 p.m. bidding will stop. Bids for each item will be opened and the high bidder will be notified. If you have any question please contact me.

Mineral Equipment

The following mineral equipment has been donated to club with the understanding that the proceeds of the sale will go to the clubs educational fund. The equipment was donated by John and Anna Koontz, Saltburg, PA. They are Honorary members of our club.

Equipment

- Crown 6 inch Trim Saw—no motor
- Gemstone Grinder (exacta shaft) 6 wheels
- Three motors
- 4 Wheel polishing unit
- Model 466 Mini-lap (highland park), with flexible shaft for carving 6")
- 9-1/2 inch saw
- Beaver lapidary arbor, Lortone Inc.
- Grinder/sander 4 wheels, 4 - 5" wheels
- Star Diamond model no. MT-3, tumbler 5" barrel
- Small heater (melt wax, etc)

Ernest Johnson, President

Help! S.O.S. Help! S.O.S. Help!

Help Needed!

The club needs a secretary *now!* Individuals have been volunteering for a meeting here or there, but the club needs someone to step forward and assume the position for a term. The secretary takes notes at the meetings, keeping a record of "the story" of our club.

We have been fortunate thus far to have a few individuals that have graciously volunteered to pull "double duty" for the club. In all fairness to all members of our club, *please* consider taking the job. If you enjoy the club activities, and want them to continue, we need you now! Ask yourself...what is the future of the IRMC?

Ernie

S.O.S. Help! S.O.S.

FS-6200-28(7/82) 11/7/86

Mineral and Rock Collecting on National Forest System Lands

"Rock Hounding" is a legitimate use of National Forest System (NFS) lands. Such activities seldom require special permission or fee payment when done as recreation, and consistent with local management objectives.

Forest visitors are welcome to pick up mineral specimens, rock samples, invertebrate fossil casts and mold, geodes, or other earth oddities, and to pan for gold using hand tools. These are a few of the many recreational opportunities in National Forests.

Recent regulatory changes by the Bureau of Land Management (the manager of most federal minerals) reaffirm the authority of the Forest Service to provide for recreational mineral collecting of hardrock minerals (43 CFR 3560.7).

Such collecting can also be done on NFS lands where minerals are owned by others. It can even be done on areas under federal mineral lease or prospecting permit as long as it does not materially interfere with rights granted to the mineral permittee/lessee.

Rock hounding is usually considered a recreational activity and managed similar to other recreational pursuits, such as hiking, bird watching, berry picking, etc. The basic statutory authority for recreation management is found in the Multiple Use—Sustained Yield Act of 1960 (74 Stat. 215; 16 USC 528).

[Retyped from hard copy in R.O. records, 2/24/95]

**Republic Mine
Field Trip**



A Rockhounds Invocation By Claire Boutain

Dear Heavenly Father,
 You, Who are as mysterious as the Origin of the earth,
 You created all rocks and minerals - and all of us, fossils to be!
 You gave us an allotted time to identify, classify and label ourselves, enabling us with love and loved ones - we thank You!
 You help us up the steep hillsides and along the river valleys,
 You provide friends who help us shape and polish ourselves,
 You give us joy along the Way, in this special Society - we thank You!

Show Time 2000 Show Time

Can you believe the show is only one month away? Are you ready for a fun time?

To really enjoy the show and activities around it, you are encouraged to be involved. That is the only way you can enjoy the activities as they unfold, and it provides the opportunity to meet fellow rock hounds from around the Midwest.

If you have not volunteered, or have not been contacted, Make our day and call us first! We only ask for two hours of your time, sometime during the day. If every club member donates two hours of their time, we can all enjoy the show.

We are still in need of a few raffle prizes, items for the Silent Auction table, the kids' table and some door prizes.

Please let us know if you are planning on a display table, so space can be finalized. Displays are what people look for and enjoy, as it provides them the opportunity to view many different minerals in one place. We are in the process of finalizing a Silver display from the Seaman Museum.

This is our Silver Anniversary Show - Let's make it shine!

At this time, one individual is planning to demonstrate during the day. Do you have a talent for demonstrating that you'd be willing to share? The folks that attend our show are always interested in the what, why, and how concerning minerals (because they are fascinating!) The more you partake in the activities offered, the greater the opportunity to learn, enjoy, understand, and make and renew old friendships.

If you need flyers, have questions or can't wait to sign up to volunteer, contact:

Ernie Johnson—Co-Chair
1962 W Fair
Marquette MI 49855
Phone 906-228-9422

Kathy Waters—Co-chair
Rt1 Box 74
Ishpeming, MI 49849
Phone 906-486-9094





Notes from Ingrid...

It will cost you \$6.00 if you can find one on a newsstand. I'd not part with my copy for ten times the newsstand price! If you want to learn more about the earth's treasurer's we are walking on in the U.P., this publication is a must. I'm referring to the March/April issue of *Rocks and Minerals Magazine*, Vol. 75 No. 2. **Why?**

Because it is about our country and our people, written by people we know and take for granted: specifically Ray DeMark, Kathy Waters and Susan Robinson.

Beginning on page 92, and continuing through page 102, Ray DeMark writes about the "Mines and Minerals of Michigan's Iron Country". Included are maps and colored photos of mineral specimens. Ten pages of field trips you can take from your rocking chair! Ray writes beautifully with authenticity and professionally correct style.

There's more! Our own Michigan Iron Country artist Kathy Waters smiles at us from page 104 alongside of her prize winning water color of the Cliff Shaft Mine in Ishpeming.

The tribute to Kathy is presented by renowned artist Susan Robinson from Hancock. We remember the presentation she made to our club on artists whose work portrayed rocks and minerals. You should see the art work of Susan Robinson! Those of us who subscribe to Lake Superior Magazine have had the pleasure of seeing some of it. She can reproduce a song bird or pebbles and driftwood on the beach so realistically that you can hear the birds' song and feel the sand in your shoes. Susan's husband George Robinson is the celebrated curator of minerals at the MTU Seaman Museum. (They are also new members of our club!)

Facts about the Cliff Shaft Mine, also by Susan Robinson are related on page 105.

Your money's worth? You'd better believe it! So often it takes someone who knows of the world beyond the borders of the U.P. of Michigan to open our eyes to our own heritage.

Get your copy while you can! You can order back issues of *Rock and Minerals Magazine* by writing to:

Rock & Minerals
5341 Thrasher Dr
Cincinnati, Ohio 45247

At a cost of only \$6 each!

Checks should be made payable to: Rocks and Minerals. The March/April issue can also be ordered via the Rocks & Minerals web site at:

www.rocksandminerals.org/backissues/rm7502.htm

Submitted by Ingrid Bartelli

Gem Hunt—How Many Can You Find?

A lady traveling wanted to brag to her friend about the gems that she bought on her trip. However, she feared the message might be intercepted and someone would steal her gems. So, she hid their names in an innocent letter. But her friend has a problem—there is a gem name in every line of the letter, but she can't find them all? Can you?

I promised to drop a line to you soon,
We arrived in India Monday at noon;
The robbery last night left me short of things,
So I had to shop early for gloves and rings;
When the plea of a beggar nettled Paul,
He bought rutabaga, tender and small,
We tried to stop a zebra from running amok,
And had to rub your rabbit's foot for good luck,
On paper I do try, but somehow it all fails,
When I spin elaborate tales.

Lodestone 2/00 via Chips

Check out these websites!

Club homepage

<http://hometown.aol.com/irockclub/IRMC.html>
Email: irockclub@aol.com

Member Sites

Dan Fountain's Home Page:

www.portup.com/~dfount/home.htm

Mike Basal's MPB Minerals Home Page:

[Http://members.aol.com/_ht_b/mpbmincoll/MPB.html](http://members.aol.com/_ht_b/mpbmincoll/MPB.html)

Kathy Water's Fire Center Studio

www.upbiz.com/catalogs/firecenter/index.html

Seaman Mineralogical Museum

www.geo.mtu.edu/museum

Notes from the (temporary) Secretary...

A Refreshment chairperson and a club Secretary are needed! We may be able to do without the refreshments at our meetings, but a club secretary is mandatory so that our activities are competently recorded.

We do have a new club historian—Kathy Waters. She is in need of old pictures of club activities as well as documentation of prior achievements and happenings of our club.

Our 25th annual show coming up in August has been discussed in length at our meetings. (See article elsewhere in this bulletin.)

The club will be placing mineral specimens in both the Ishpeming Historical Society and the Cliffs Shaft Iron Mining Park displays this summer.

The field trip to the Republic Mine in May was great! This reaction was from the participants of the trip. Good job to Bob Clark! A field trip to collect phenacryst is tentatively scheduled for June or July.

Some club members are at it again! The regulars, Olive, Ray, Al, Ernie and others are out to entertain and teach to various children's groups. The Cub Scouts, Girl Scouts and Kaleidoscope events are the lucky recipients.

Olive Sain and Virginia Foreman have graciously offered to co-chair the Christmas Party/Annual Meeting on December 10 at the Northwoods in Marquette. Members should hold this date open for a good time.

Door prizes were donated by Leon Anderson, Kathy Waters and the Ruonavaaras at the March, April and May program meetings. Prizes were won by various members and guests.

The mystery minerals, donated by Ray DeMark and presented by him, were Diopside for March, Molybdenite for April and Muscovite for May. They were correctly identified by Dan Fountain, Clara Braden and Virginia Foreman.

Our much appreciated and very informative programs have been as follows:

March—Annual Silent Auction

April—Iron Mines of Canada by Jim Wilson, Sault Ste. Marie, Ontario Canada

May—What! New U.P. Minerals? By Ray DeMark

Submitted by:

Helen Johnson

Temporary Secretary IRMC

Membership Update

Please add the following to your membership listing that was included in the April Jaspilite:

Welcome to our Newest Members

George and Susan Robinson

1029 Crestwood Glade, Hancock, MI 49930
906-482-4091

George is the Curator at the Seaman Mineral Museum in Houghton and Susan is an artist. The Robinsons joined our club on the Republic field trip.

Renewing Members

Ted, Joseph and Luke (Jr. Member) Haara

235 Baraga Ave, Marquette, MI 49855
906-226-8780

William and Lucy Kangas

220 Lawrence Ave, Ishpeming, MI 49849
906-485-5488

George & Gene Louise O'Neal

9558 Stinchfield Woods Road, Pinckney, MI 48169

Steve and Sandy Whelan

Rte 1 Box 406, Calumet, MI 49913
906-337-2599

Change of Address

Carey Crankshaw

N5330 M95, Iron Mountain, MI 49801
906-779-7695

Don & Mary Schuder

RR1 Box 424, Calumet, MI 49913
906 337-1062
schuder@portup.com

Update

Robert and Mary Lee Weekley

207 N Church Ave
Panama City, FL 32401-6124
850-769-1884



25th ANNUAL UPPER PENINSULA Gem & Mineral Show

Saturday, August 5, 2000 9:00 a.m. to 5:00 p.m.

(All times are Eastern Daylight Savings Time)

NEGAUNEE TOWNSHIP HALL

8 miles west of Marquette, Michigan on U.S. 41. Then
South 3/10 mile on Michigan Highway 35 (M35)

Dealers

Silent Auction

Crackerbarrel

Displays

Kids Area

Working demonstrations throughout the day

• **FREE Admission** • **Door Prizes** •

Field Trips: Friday and Sunday

Space available for all who sell or swap,
outside \$10.00, inside \$25.00, per 8 lineal feet

For information, contact:

Ernest Johnson
1962 W. Fair Ave.
Marquette, MI 49855
906-228-9422

or

Katherine Waters
Rte. 1, Box 74
Ishpeming, MI 49849
906-486-9094

Not responsible in case of accidents



Sell or Swap

Saturday, August 5, 9:00 a.m. to 5:00 p.m.
Set up your own table or sell or swap from the trunk of your car. Bring your own chairs, Rest rooms located on site: eating places nearby.

Crackerbarrel

Saturday, August 5, 7:00 p.m.
exchange ideas . . . ask questions . . . meet fellow rockhounds. Crackerbarrel will be held indoors. Speaker to be announced a later date. Drawing for raffle prizes at 9:00 p.m. – refreshments served.

NOTICE

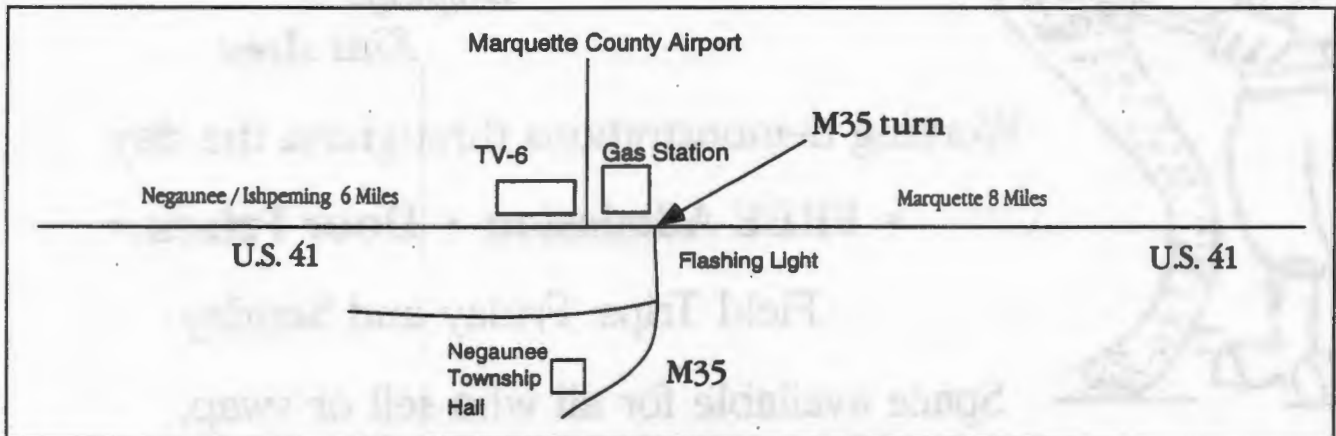
Space available for all who sell or swap, outside \$10.00, inside \$25.00 per 8 lineal feet. Maximum 16 lineal feet. (Limited supply of inside tables). Inside by reservation. First come first serve. Advance phone call to contact persons required followed by payment.

Field Trips - Hard Hats Required

Friday, August 4 to several iron mines (OHIO, CHAMPION, . . .) for micromount specimens, - meet in the K-Mart Parking lot behind Blockbusters at 9:00 a.m. (Marquette, MI)

Sunday, August 6, to Lindberg's Quarry to collect Kona Dolomite, starting from the Negaunee Township Hall at 12:30 p.m. (or meet at the Quarry at 1:00 p.m.) sign up for Sunday's field trip at the mini SHOW – cost \$2.00 per person.
(Hand tools only - no power tools.)

HARD HATS AND SAFETY GLASSES A MUST ON A FIELD TRIP!!!



- **Campsites available at Marquette Tourist Park and Van Riper State Park
Marquette Tourist Park, Cnty. Rd. 550, Marquette, MI 49855 Phone: 906-228-0465
Van Riper State Park, P.O. Box 66, Champion, MI 49814 Phone: 906-339-4461
- **Motels available in Marquette, Negaunee and Ishpeming
- **Pets must be on leash or confined to owner's quarters at Show site
- **Variety of restaurants available - come-as-you-are to fine dining.
- **Food will be available on site.

Mystery Mineral - September ? ? ? ? ?

This mineral is one of the most colorful minerals oxidized zone of copper and lead deposits. It is that has been described in our mystery mineral associated with cerussite, anglesite, brochantite, series. In spite of its colorful nature it is infrequently seen in mineral collections. This is due to the fact that it is a rather uncommon mineral that occurs mostly in arid regions. It is a lead, copper sulfate with hydroxyl $[PbCu(SO_4)(OH)_2]$. The color, which is an azure-blue is its most striking physical characteristic. Crystals are usually tubular and sometimes elongated and it often forms in crusts of small intergrown crystals. The symmetry is monoclinic. It has one perfect cleavage and is very brittle. The hardness is 2.5 and it is translucent with a pale blue streak. It occurs primarily as a secondary mineral in the



ported from Linares, Spain, thus the name. Fine crystals have come from Cumberland, England and at Leadhills, Lanarkshire and elsewhere in Scotland. In the U.S., superb crystals have come from the Grand Reef mine in Arizona and the Blanchard Mine in New Mexico. It has also been reported in excellent specimens from the Mammoth Mine in Tiger, AZ, the Tintic District in Utah and the Cerro Gordo Mines, Inyo County, CA. It has not been reported from the U.P. or the State of Michigan. Good Luck!

Ray

? ? ? ? ? Mystery Mineral - October

Our mineral enigma for October does not have the brilliant color of Septembers mystery mineral, but is none-the-less interesting. It is a much more common mineral that can be found in most well-rounded collections. Due to the wide spread nature of the occurrences, many collectors have pounded out specimens of this mineral. Chemically, it is a hydrous, sodium aluminum silicate $(Na_2Al_2Si_3O_{10} \cdot 2H_2O)$.

It has orthorhombic symmetry and is usually found in slender to acicular, prismatic crystals. It is commonly fibrous, radiating and may also be massive, granular or compact. It is generally colorless to white and crystals are transparent to translucent with a vitreous to somewhat pearly luster. The

hardness is 5-5.5 and specific gravity is about 2.2. It occurs primarily in cavities in basalt and related rocks. Excellent crystals have come from Mont. St. Hilaire in Quebec, Canada and Bay of Fundy District, Nova Scotia. In the U.S. fine specimens have come from Jackson County, Oregon, locations in Washington, Table Mountain, Colorado and in the trap rocks at Northern New Jersey. It does occur in the U.P. of Michigan, primarily in the basalts of Keweenaw County.

One final clue: it is a member of the zeolite group.

That's it! Everyone should get this one!

Ray



JASPILITE



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

P.O. Box 102
Ishpeming MI 49849

Scott, Summer & Warren Markert
1110 McDoo Avenue
Baltimore MD 21207



WE'RE ON THE WEB! CHECK IT OUT
[HTTP://HOMETOWN.AOL.COM/IROCKCLUB/IRMC.HTML](http://hometown.aol.com/irockclub/irmc.html)

Ishpeming Rock & Mineral Club contacts:

- President:** Ernie Johnson 906-228-9422 ejohnson@nmu.edu
- Vice-President:** Ray DeMark 906-225-5488 jdemark@nmu.edu
- Secretary:** Needed
- Treasurer:** Helen Johnson 906-228-9422
- Liaison:** Needed
- Librarian:** Ernie Johnson 906-228-9422 ejohnson@nmu.edu
- Curator:** Olive K. Sain 906-226-7325
- Editor:** Sue Syrjala 906-486-6246 suesyrjala@yahoo.com
- Historian:** Kathy Waters 906-486-9094 sky1171@yahoo.com