



THE



ROCK and MINERAL CLUB

J A S P I L I T E

JUL 16 1980

Affiliated with the Midwest Federation
of Mineralogical and Geological Societies

THE JASPILITE

OFFICIAL PUBLICATION
of the
ISHPEMING ROCK AND MINERAL CLUB, INC.
Published Quarterly

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Finance	R. R. Anderson	
Field Trip	Bruce Spike and Michael Elliott	
Safety	Leonard Bartelli	
Curator	C. R. Markert	
Scholarship	Laurence Sain, Frazier Tubbs, Ingrid Bartelli, Arnold Mulzer	
Hostesses	Marie Spike and Marjorie Ogea	
Librarian	Ernest Johnson	
Hospitality	Lilly Johnson	
Special Educational Project Committee	Sally Ahrndt, Hazel Kaukola, George Ruuska, R. R. Anderson	
1980 Swap Chairmen	Robert Phillips and Michael Elliott	

MEETINGS: Business Meeting: 1st Friday of the month, 7:30 p.m., at Bothwell Middle School, Marquette (1st Thursday evening June-September)
Program & Activity Meeting: 3rd Sunday of the month at 2:00 p.m., Bothwell Middle School, October through April. Field Trips during the summer months.

MEMBERSHIP: The Ishpeming Rock and Mineral Club, Inc. is open to anyone interested in the Earth Sciences.

Initiation Fee	\$.1.50
Husband & Wife Annual Dues	3.00
Adult Annual Dues	2.00
Junior Annual Dues	1.00

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 and Marian Markert

Deadlines for JASPILITE: January 1, April 1, July 1, and October 1
Material in this bulletin may be copied provided full credit is given to the author and the bulletin. Send all exchange bulletins and related material to Exchange Bulletin Editor.

Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news, articles, subscription orders and requests for information should be sent to the Editor, Haydon Peterson, Parrot Printing, 2125 Forest Ave., Des Moines, Iowa 50311



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April 1980 - Issue No. 203

KNOW YOUR FEDERATION DIRECTOR

By Bernice McCloskey, MWF President

You should know your State Director. He represents the Federation and Executive Committee to the clubs of his state, and also represents the clubs of his state to the Federation and Executive Committee. It is his duty to know the clubs, meet with them and take part in as many club activities as possible, furnish help for state events, etc. He normally has an assistant for each five clubs to cover the geographical area of the state.

Your Director determines if Newsletters, Directories, etc. are reaching the club officers and if club officers are informed of all Federation projects. He attempts to improve relations with quarries, mines and other collecting sites. He keeps his clubs informed about Federation activities and encourages participation in Council meetings, participation in competitive displays, participation in the Bulletin and Merit Award contests and in safety and anti-litter programs. He may send out a state newsletter, be a leader in such activities as state swaps, etc. and may organize multi-club field trips, meetings and shows.

He may also set up a MWF table at your show with material and publications distributed by the Director of Supplies, talk to your club about the Federation, maintain a calendar of club activities in the state, help to form new clubs and to assist, if requested, in improving existing clubs.

He watches for unusual events, club programs, etc. which would be of general news interest and notifies the Newsletter editor. He also is called upon for advice in selecting new people to assist on Federation committees.

He would appreciate receiving your bul-
Director... con't on back page

UNIFORM RULES BOOKLETS READY

Copies of the new AFMS 1980 Uniform Rules booklets are now ready for distribution to clubs and individual members.

These are the rules that will govern the judging of competitive exhibits at the 1980 American-Midwest combined show in Lincoln, Nebraska, June 12-15.

Individuals may order copies at \$1.00 each, plus 40¢ postage, or clubs may order them at \$1.00 each plus postage, in quantity. Quantity orders save shipping costs for you.

All orders should be sent to Director of Supplies and Information, Clinton Heckert, 725 Stewart Ave., Elgin, IL 60120. Be sure to say where you want your copies sent, giving complete address and don't forget to include your check to cover the cost of the booklets and postage in full. On quantity orders, write to Heckert telling him how many you want and he will advise you the postage charges.

SLIDE PROGRAM IN PREPARATION

The Mid-America Paleontology Society has a color slide program in preparation titled "An Introduction to Fossils" The program will be ready for showing at the American-Midwest combined show in Lincoln, Nebraska, June 12-15.

MAKE YOUR PLANS NOW..... time is growing short. Attend the American-Midwest Federation combined show in Lincoln, Nebraska, June 12-15.

Director... con't from front page

letins, being invited to your meeting, being asked to man a MWF table at your show, being included in your activities and being made aware of your needs.

Directors are reimbursed only for actual expenditures for such items as postage, supplies, phone calls, duplicating expense, etc. They are not reimbursed for travel, lodging or meals. The reward is in personal involvement and making new friends... in being able to go to the Federation and say, "Here's what our members need", and to go to the clubs and say, "Here's what the MWF is doing for you."

Here is the up-to-date list of Midwest State Directors and Assistants:

ILLINOIS: James Edwards, 306 Samonauk Ave., Park Forest IL 60466. Assistants: Leo J. Boushka, Jerseyville; Marie Burgin, Danville; Charles Hodgson, Park Forest; Lester Petery, Zion; Edna Woodbury, New Windsor; Kay Yankala, Lockport.

INDIANA: Charles J. Walker, P.O. Box 614, Peru, IN 46970. Assistants: Carl Boxell, Hartford City; Harold Flood, Ft. Wayne; Miles Smith, Frankfort, KY; Fern Penner, Peru; Dr. Benjamin Moulton, Terre Haute; William Dutton, Muncie.

IOWA: Larry DeSotel, 3412 1st Ave. NE, Cedar Rapids, IA 52402. Assistants: Dean Andersen, Iowa City; Hugh Carrol, Ft. Dodge; Margaret Harsh, Perry; Bernie Hermanson, Sumner; Lyle Waterman, Nashua; Wilbur Campbell, Des Moines.

MICHIGAN: Florence Hill, 3135 Okemos Rd., Mason, MI 48854. Assistant: Major Cornett, Novi; Willis Harner, Lake Odessa; Mary Isabell, Port Huron; Cal Loomis, Alpena; Darl Lukins, Climax; Alex Marshall, Taylor; Bettie Patterson, Lansing; Kathleen Porter, Clio; Russell Reiman, Detroit; Chester Smith, Zeeland; Frazier Tubbs, Negaunee; Eva Whipple, Lansing.

MINNESOTA: Rex B. Webb, 2600 W. 89½ St., Minneapolis, MN 55431. Assistants: Lyman Clay, Lutsen; Gladys Payne, Willmar; Ida Webb, Minneapolis.

MISSOURI: Lucille Bishop, 2465 Mullanphy, Florissant, MO 63031. Assistants: Mrs. Vernon Barr, Columbia; Ethel Becker, Kirkwood; Howard Knight, Mountain Home, AR;

"THE BIG ONE" - LINCOLN, JUNE 12-15

ENVIRONMENTALLY SPEAKING.... IN THE MIDWEST

By John Boland
MWF Environmental Committee

In a new policy, OSHA will soon publish a list of about 500 substances as potential carcinogens. These will be listed in two categories; substances where scientific evaluation indicates grave danger of cancer, or those of "suggestive danger" of cancer.

The knowledge of these substances in the form of solvents, cutting solutions, glues, dusts, fumes, chemicals, and dyes, will help us to pursue our hobby without peril.

Mrs. Charles Noel, Raytown.

NEBRASKA: Marie Taylor, 910 New Hampshire, Lincoln, NE 68508.

OHIO: Peg Johnston, 4 Baker St., Berea, OH 44017. Assistants: Vicki Bobofchak, Parma; Walter Calendine, Dover; Hal Cranford, Toledo; Paul Clifford, Cleveland; Richard Iuen, Cincinnati; Leo Learned, Columbus; Eleanor Losiewicz, Lorain; Helen Murray.

SOUTH DAKOTA: Dell Milbrandt, 1301 N. 4th, Aberdeen, SD 57401. Assistants: Vivian Andrews, Madison; Don Ormesher, Valentine; Richard Sunde, Vermillion.

WISCONSIN: Fred Bermke, 9135 W. Hawthorne Ave., Milwaukee, WI 53226. Assistants: Mary Boland, LaCrosse; Eugene Johnson, Bruce; Ruben Radtke, Tomahawk; Leonard Squire, Madison; Edward Wilder, Racine; Andy Blackburn, Appleton.

NEBRASKA SURVEY PUBLISHES EARTHQUAKE BOOK

For only \$1.00 you can order a 20 page booklet from the Nebraska Conservation and Survey Division, University of Nebraska, Lincoln, NE on the Earthquakes of Nebraska. The author, R. R. Burchett, says that although some of Nebraska's earthquakes can be traced to known structural faults, others can not.

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Oakdale, WI 54649



May 1980 - Issue No. 204

WISCONSIN GOVERNOR PROCLAIMED GEOLOGY AWARENESS WEEK

By Bernice McCloskey, MWF President

Through the efforts of Margaret Pearson, a member of the Wisconsin Geological Society and Midwest Federation Geology Committee assistant, Governor Lee Dreyfus has issued a proclamation that designated April 20 as Geology Awareness Week in the State of Wisconsin.

The Governor called upon the citizens of the state to become familiar with the many geological societies of Wisconsin, and recognized WGS in particular for its activities in education and fund raising for geology scholarships believing that "today's student is tomorrow's problem solver."

The proclamation stated that "we live in a time when an understanding of our nation's natural resources is of primary concern to many, yet ignorance of our earth and the distribution of its natural wealth has caused serious concern about the future of national and world environmental preservation..."

If you would like further information on "geology awareness", contact Margaret Pearson, 9034 West Lisbon Ave., Unit 24, Milwaukee, WI 53222 or Chairman Armin Steinhauser, 1397 Chelmsford St., St. Paul, MN 55108.

There is no better time for geological societies to disseminate knowledge. Our Geology Committee can help you!

SAFETY TIP

Do not work or go near the edge of a high vertical wall. The edge of the wall may cave or a slip may cause a serious injury or a fatal fall.

MIDWEST AFMS SCHOLARSHIP FOUNDATION HONORARY AWARD WINNER ANNOUNCED FOR 1980

Dr. Thompson Mylan Stout, Prof. of Geology and Associate Curator of Geology, University of Nebraska, Lincoln, has been selected as the Midwest AFMS Scholarship Foundation Honorary Award Winner for 1980. He will make the selection of the students to receive the scholarship awards.

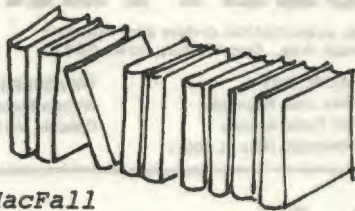
After graduating as the most outstanding student from Wentworth Junior College, Lexington, MO., he received his B.S. and M.S. degrees from the University of Nebraska and Ph.D. from Columbia. In addition to long periods of special study at the American Museum of Natural History, Dr. Stout had six extended missions to museums, libraries and universities in Western and Central Europe. He is a past president of the Nebraska Geological Society and the Nebraska Academy of Science. The author of many publications, Dr. Stout has presented papers at such diverse locations as Christchurch, New Zealand and Birmingham, England. He has been especially helpful to graduate students, serving as faculty advisor for 35.

1980-81 DIRECTORIES READY

The new 1980-81 Midwest Directories are ready. Copies are now being mailed to all clubs and others on the mailing list.

Additional copies are available at \$2.00 each postpaid. Send your order, with check to cover, to our Director of Supplies, Clinton Heckert, 725 Stewart Ave., Elgin, IL 60120. Be sure you tell Clinton where you want your copies sent and give him your complete address.

BOOKS



By Russell P. MacFall
P.O. Box 309, Coronado, CA 92118

One of the occasional pleasures and problems of reviewing books for such an estimable publication as the AFMS Newsletter arises when this reviewer writes a book. The book, **ROCK HUNTER'S GUIDE**, is published by Thomas Y. Crowell Co., of New York in a volume of 246 pages with what is no doubt the most up to date reference material about sources, bibliographies, etc. on what is undoubtedly the most confusing subject in the mineral world.

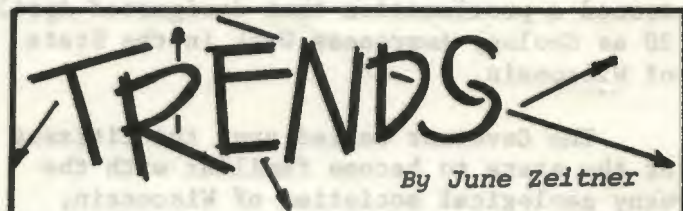
Minerals have definite names and chemical formulas; rocks do not enjoy such scholarly definition or even agreement. Nonetheless, this reviewer is happy to announce this, the most up to date publication in the subject, and leave its merits to the mercy of other reviewers. **ROCK HUNTER'S GUIDE**, so far as he knows, is the first book about rocks for the guidance of the collector, and as gem and mineral locations are depleted, rocks will still remain to satisfy the spirit that drives us all to collect. Rocks, unlike minerals, can be used for building, decoration and even crafts. Nearly 175 pages of locations to find rocks are described.

Fluorescent minerals provide their own excitement when the lamp is turned on. Several books about them have appeared but are badly dated and somewhat awkward to consult. Into this gap in the mineral information gap, Mark C. Blazek has stepped with a slender paperback **WHERE TO COLLECT FLUORESCENT MINERALS IN THE UNITED STATES**. With a title like that and with Ultra-Violet Products of San Gabriel, California, as the publisher, the book's purpose is obvious. Proved sources are listed in some detail by states, with a good index. From some familiarity with the subject, this reviewer finds the booklet of 34 pages a real bargain... accurate, up to date, and well printed. The price is only \$1.50, and if dealers don't stock it, they are missing a good thing.

DOUBTFUL EMERALD MINE WILL OPEN THIS SUMMER

H. W. Collins, co-owner of the Crabtree Emerald Mine, Little Switzerland, N.C. says that due to legal litigation it is doubtful that the Crabtree Emerald Mine will be open to the public this season.

Collins is concerned that people from all parts of the country might drive to the mine only to find it closed to the public. He suggests you call 704-765-2289 or write to him at P.O. Box 163, Little Switzerland, N.C. if you were planning to come to check on the current status of mine visits.



WITH FIELD TRIPS becoming less numerous because of the price of gas, and other reasons, many clubs which formerly met 9 times a year, are changing their club year to include meetings all summer.

BY LOOKING at early All American reports, it seems that Junior activities are becoming more and more important in our clubs.

ALTHOUGH MANY SHOWS are still down in attendance, small, well advertised local shows appear to be holding their own, and even passing previous records. Interestingly enough, shows held on or near holidays... formerly avoided... are doing exceptionally well.

POSTAGE may soon rise again. Already many bulletins are thinner than before. Clubs are having to raise dues, add on separate bulletin subscription rates for mail, or have money making events to aid their bulletins. A brainstorming session at the next board meeting might be devoted to the future of your bulletin. There are ways to cut costs and keep communication going.

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June 1980 - Issue No. 205

A Message From Bernice McCloskey, Midwest President

March, April and May were busy months with club shows every weekend. Joe and I attended as many as we could and I am happy to report we found high quality exhibits any rockhound could be proud of. But best of all we found an abundance of enthusiastic club members. ENTHUSIASM is the key ingredient in any activity but beware, it's contagious!

June - the beginning of summer - is the time for fun and relaxation, a time to regenerate the forces that make us tick. Many of us will be gardening, fishing, picnicing, and as always, rock hunting. Whether you spend the summer close to home or traveling the vast expanses of our country I hope you will make new friends, add a little something to your collection and have a wonderful time.

See you in Lincoln!

DIRECTORY CORRECTIONS AND ADDITIONS

New address for Treasurer William Parch:
P.O. Box 180, Fountain City, WI 54629.
Telephone 608/687-8539.

Assistant to Treasurer: Marian Parch.
(Address as above).

Parliamentarian: Katharine Steinbrenner,
2813 Patricia Drive, Des Moines, IA 50322.

Geology: New Assistant: Dr. Robert Hatch,
2223 E. Maple Lane, St. Paul, MN 55109.

Public Image: New Chairman: Ruth Mogg,
Route 1 - Box 231, Grayslake, IL 60030.

Uniform Rules: New address for Harriet
and Calvin George: 1824 Harvest Lane, Glen-
dale Heights, IL 60137.

Assistant Uniform Rules: Jacque Nawojski,
22757 Redwood Dr., Richton Park, IL 60471.

Directory, Page W-6: Price of the Uni-
form Rules Book is \$1.00, plus Postage and
Handling.

Directory, Page G-12: International Thum-

bnail Mineral Collector's Society - should
be listed under Michigan clubs (where the
club is incorporated) thought MWF mail goes
to a Kentucky address).

Russell Reiman, Assistant Directory for
Michigan: His street address should read
10639 Balfour.

Russell Greer, named an Honorary Member
in 1972, was omitted in error from the 1980
Directory.

OHIO HAS NEW STATE DIRECTOR

Midwest President Bernice McCloskey
has appointed Leo Learned, now serving as
an Assistant State Director for Ohio as the
new State Director for that state. He suc-
ceeds Peg Johnson who has resigned. The
Midwest wishes to thank Peg for her service
to the Midwest. (Note your Directory for
address of Leo Learned.)

LIBRARY SURVEY

The Midwest is making a survey of the
number and titles of books in the various
club libraries. Please list yours and send
your list to President Bernice McCloskey.

CHANNEL 13

CB Channel 13 has been selected by the Lincoln, Nebraska CB Club as the official Gem Show Control channel. Beginning on Monday, June 6, the club will monitor the channel for rock-hounds coming to the show who need information to reach the fairgrounds or other destinations in Lincoln.

DORMS AVAILABLE

Dorm space will be available in Lincoln at the University of Nebraska for those wishing these accommodations. Price is \$12.50 single and \$18.00 double. If interested, write Gurina Wittstruck, 1100 Seaton Hall, University of Nebraska, Lincoln, NE 68588. The Dorms are within walking distance of the show.

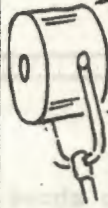
COMMEMORATIVE STAMPS

The Eureka Rock and Gem Club, Mountain Home, Idaho has a unique way of calling attention to saving commemorative stamps used on their bulletin "Eureka News".

They use the word "Save" on the left side of the stamp and "Stamps" on the right side with the word "Commemorative" across the bottom. The stamp fits into this box formed by these words.

Are you using commemorative stamps?

SHOW TIME



On Friday, June 6 the 1980 Federation show season will get under way in Topeka, Kansas when the first of the Regional shows opens. The Topeka Gem and Mineral Society will host the Rocky Mountain Federation.

It will be the start of a brilliant summer of shows in various parts of the country as the six Regional Federations present their individual shows.

The Topeka show will be followed on June 12 when the American Federation joins with host club The Lincoln Gem and Mineral Club to present the annual show and convention, in Lincoln, Nebraska

During the past months we have carried stories about all of the six Regional shows and much copy about the AFMS National Show and Convention. It is hoped that everyone will be able to attend at least one show this summer. Plan to do so as it is an excellent time to see fine rocks and minerals, fossils, jewelry and renew acquaintances. And There will be dealers from all around the country with fine specimens and supplies from which to choose.

If you have not already made your reservations it is time to do so. You won't want to miss out on the accommodations and activities of your choice. Don't be disappointed by waiting too long to make your plans.

With this June issue we come to our annual summer recess. We do not publish in July or August. Our next issue will be September... out about the middle of August. Have a fun filled summer!

ILLINOIS STRATA BOOKLET

A booklet titled "Illinois Strata" by Andrew Hay has been published by the Des Plaines Valley Geological Society of Des Plaines, Illinois. It contains 11 pages and covers the various strata and a map of Illinois counties. Persons interested in the booklet should write Des Plaines Valley Geological Society, P.O. Box 91, Des Plaines, Ill. 60017 for prices and other details.

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IRMC MEETINGS & EVENTS

Thursday, August 7	7:30 p.m.	Business Meeting (SEE MAP BELOW FOR CHANGE OF MEETING PLACE)
Saturday, August 9	9:00 a.m.	ANNUAL IRMC ROCK SWAP
Sunday, August 10	12 Noon	Field Trip scheduled in conjunction with Rock Swap
Saturday, August 30)	9:00 a.m.	Labor Day Weekend Field Trip to Ontonagon Area
Sunday, August 31)		
Monday, September 1)		
Thursday, September 4	7:30 p.m.	Business Meeting at Bothwell Middle School
Sunday, September 21	9:00 a.m.	Field Trip - Meet at Marquette Tourist Park. (See pages 8 & 9 for additional details.)
Friday, October 3	7:30 p.m.	Business Meeting at Bothwell Middle School
Sunday, October 17	2:00 p.m.	Program Meeting at Bothwell Middle School Slide Program: "Lake Superior Agates" and Oral Presentation on Geology of Upper Michigan

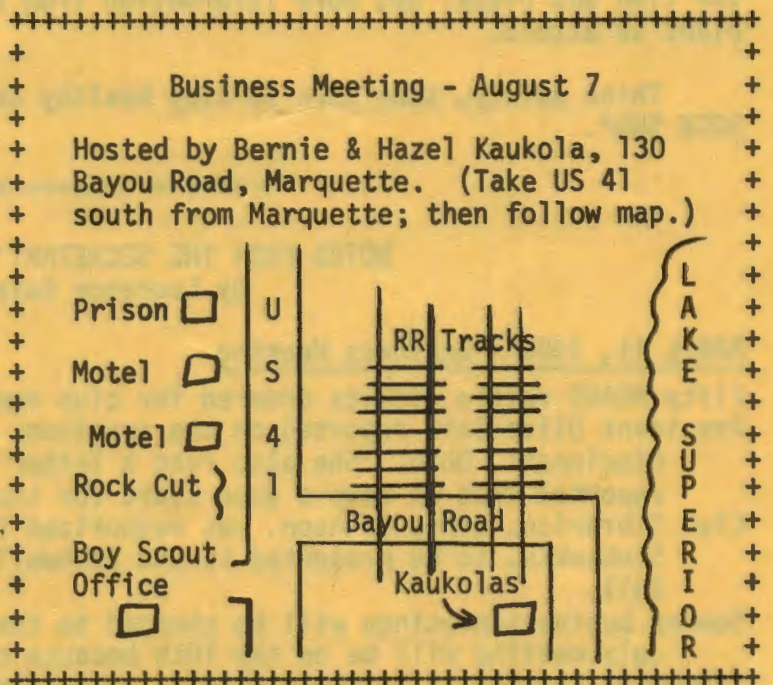
HOSTESSES FOR BUSINESS MEETINGS:

August 7	Eleanor LaChance
September 4	Marjorie Ogea
October 3	Marian Markert
November 7	Olive Sain
December 5	Helen Johnson
January 2	Dorothy Tubbs

DOOR PRIZE DONORS:

October 17	Michael Elliott
November 9	Pat Bemis

VOLUNTEER NOW FOR CALENDAR YEAR 1981.
ALL MEMBERS SHOULD TAKE A TURN AT THIS...CALL MARIE SPIKE AT 226-3933.



THE PRESIDENT'S MESSAGE

by Olive Sain

We are just one month away from our rock swap and I am wondering how many of us are prepared. Have you sorted out and labeled some good specimens, lapidary articles, jewelry, etc. for the (1) Silent Auction, (2) door prizes, and (3) raffle? Every club member needs to contribute to make this event a success.

The fun part of the swap is socializing with visitors and members, and making everyone feel welcome. High on the list, of course, is making some good trades. I repeat, now is the time to get materials organized for donating and for swapping.

Sally Ahrndt and her committee will be needing the specimens for the Sandy Knoll School project by the middle of August. The following people have taken the responsibility for getting the Marquette County specimens but they need help from all of you. Call if you can help any of these people with donations. Needed are a fist-sized specimen plus small pieces as follows:

- 90 Granite LaChance's
- 90 Sandstone A. Mulzer
- 90 Basalt. Markert's, Sain's
- 60 Diorite Markert's, Sain's
- 90 Clear Quartz. . R. R. Anderson, Sain's
- 90 Mica M. Elliott
- 90 Slate. Sain's
- 90 Verde Antique. Bartelli's
- 90 Limestone. A. Mulzer
- 90 Conglomerate M. Elliott
- 90 Hematite Tubbs
- 30 Quartz stained with Iron. Spike's

The May and June field trips were great outings -- lots of fresh air, exercise, sociability, new specimens acquired, new areas as well as old visited and we learned more than a little bit. It's too bad that more members couldn't have attended. But there are a couple more trips coming up this summer. Check your January Jaspilite for time and place; get more information from the field trip leaders and then make plans to attend.

Think safety, take care to stay healthy and enjoy yourselves. See you at the ROCK SWAP.

NOTES FROM THE SECRETARY'S MINUTES

By Laurence Sain

APRIL 11, 1980 - Business Meeting

- Fifty MGAGS raffle tickets ordered for club members to purchase and sell.
- President Olive Sain reported on the specimens sent to Gary Seitz, a teacher in Cincinnati, Ohio. She also read a letter of appreciation from him. It was also reported that we have a good start for the local school collection.
- Club librarian, Ernie Johnson, was authorized to purchase a book, "Gem Cutting" by Sinkankis, to be presented to the Bothwell Middle School in memory of George Bell.
- Summer business meetings will be changed to the first Thursday, as is customary.
- July meeting will be on the 10th because of the 4th of July.
- Ishpeming Chamber of Commerce display to be cleaned and renovated. Bob Markert will head the group.
- Delinquent dues notices have been sent out.

(continued on page 3)

Notes from the Secretary's Minutes (continued from page 2)

Newest edition of Uniform Rules book had been received and placed in the library.

APRIL 20, 1980 - Program Meeting

Beautiful display of fossils courtesy Markert's, LaChance's, Tubbs', Spike's, and Sain's. Display of slate carving by Marjorie Ogea.

Slide program on fossils shown by Frazier Tubbs and narrated by Bruce Spike.

After the social hour Arnold Mulzer led a tour of St. Peter's Cathedral.

Architecture, masonry, artistic skills and materials used were admired by all. The history and sources of materials were very interesting.

MAY 2, 1980 - Business Meeting

Club members authorized the reimbursement of our delegate to the MWF Convention for registration, dinner, banquet and a fair portion of his or her transportation expense.

William Blewett of NMU and Scott R. Richey of MTU were accepted to receive the Club Scholarship for 1980, to be presented at the Swap "Cracker Barrel" session on August 9th.

Field Trips start this month reminded Bruce Spike. May 18th will be for Satin Spar and fossils; Memorial Day Weekend in the Keweenaw.

Audubon Jenkins, who is leaving us for warmer climes, donated the remainder of his rock collection to the club for silent auctions. Club members expressed thanks and wished him well.

Swap chairmen called to attend a planning meeting May 6 at Bowns' home.

Patches and decals turned over to treasurer for sale.

Mr. and Mrs. Ken Butterfield elected to membership.

MAY 18 and MAY 24-26: Field Trips

Both trips were interesting and enjoyable. Again many fine specimens were found.

The turnout was light. The expected influx of visitors failed to materialize.

JUNE 5, 1980 - Business Meeting

Ingrid Bartelli reported that we are now a 1100% club for the AMF Scholarships.

July 10 meeting to be held at Sain's home and the August 7 meeting at Kaukola's because schools are closed.

Plans for the Swap discussed.

Republic Mine trip set for June 14. No one under 18 years permitted.

Don and Dorothy Auler and Tom Hughson elected to membership.

Ray Anderson spoke about his visit to the Flint club.

JUNE 14, 1980 - Field Trip

Another interesting trip to the Republic Mine.

CALENDAR OF EVENTS

Sept. 12-14	SHOW	Traverse City, MI	Sept. 27-28	SHOW	Howell, MI
Sept. 13-14	SWAP	Muskegon, MI	Oct. 10-12	SHOW	Detroit, MI
Sept. 12-14	SHOW	Toledo, Ohio	Oct. 17-19	SHOW	Lansing, MI
Sept. 19-20	SHOW	Holland, MI	Oct. 25-26	SHOW	Harrison, MI
Sept. 20-21	SHOW	St. Louis, MI			

Please call for more details and location on above events if you plan to attend.

BITS AND PIECES
by Arnold Mulzer

PRESQUE ISLE PARK -- SOMETHING FOR EVERYONE ... This 329 acre Marquette City Park takes no back seat to any other. For you rockhounds, you can get your Bacon Agate just west of the Pavilion and your Lake Superior gemstones near the breakwater.

Those with cameras may snap the marker on Charley Kawbawgam's grave, a very unusual sight. The marker has a quartz dike running diagonally through it. The stone was found on the west side of the Island after a severe storm. There is no rock formation similar in the area; it can be assumed that it is a product of the glaciers and was moved from somewhere in Canada.

Chief Kawbawgam had a very interesting life which spanned three centuries -- from 1799 to 1902. He was a friendly Indian and was a guide to the early mining men. He had a part in laying out the railroads from the mines of Ishpeming and Negaunee to Marquette. He was in his forties when iron ore was discovered in 1844.

His last home was a small cottage on the Island near where the present concession stand is located. Kawbawgam Road, hill and lake are named after him. Don't miss his grave on the right-hand side of the road after leaving the picnic area.

On the north side of the park, turn in on the Cove Road and visit the black rocks, said to be the world's oldest. They survived all the glaciers. Look for the markings that were left by those glaciers.

At the children's zoo, don't fail to look for the white tail deer herd. If you have never seen a buck's antlers in velvet don't pass this up.

There are several prospector's mine pits on the Island, also. They are hard to find or locate. It is understandable, though, as they have been closed since before the Civil War.

SPEAKING OF COPPER ... I have often wondered how the specimens of copper arrived on the mine dumps and poor rock piles. Well, this week Mr. John Pintar of Calumet set me straight.

John is a retired miner and he told me that it was all caused by a mixup in signals. He related that, when ore or dirt would come to the mine shaft, it was the duty of the skip man to ring the proper signal. Three rings was for good ore and four rings was for poor ore to be deposited on the mine dumps. Sometimes a new employee would get confused and press an extra ring; then the ship load was headed for the rock piles for rockhounds to enjoy years later.

Some of these mines have been closed over 100 years but their waste piles have been worked yearly with our rock hammers, shovels and metal detectors. We use a lot of energy we wouldn't give to our employers, but we enjoy it. We like being outdoors with friends and finding a small specimen or bragging piece.

One such bragging piece, not so small a specimen, though, is the 150 pound piece of copper found a few years ago by Faustin Anderson and Lilly Johnson. Finding that one bragging piece brought Faustin a lot of excitement -- and also help from fellow club members to lift it into his car trunk.

THE SWAP

by Bob Phillips, the Resident Limerist

Every year about this time
Our club has an annual SWAP.
For those of you who are into rocks
This event is at the top.

You'll find us at the Tourist Park
In the Queen City of Marquette.
We have rented the baseball diamond
And so now the stage is set.

On August ninth the SWAP will be
From morning until dark.
Come out, sign in, donate a rock.
There is plenty of space to park.

On August tenth, a field trip --
We start out from the park.
Don't be late, have safety gear,
We leave at 12 noon sharp.

Besides the SWAP there's other things:
The Silent Auction by Ray,
Door prizes, a raffle, a concession stand
To get you through the day.

Saturday night will be a delight.
Cracker Barrel sessions are fun.
Coffee and snacks and a program --
Plus the presentation of two scholarships won.

We would like to see a lot of folk
From other states as well.
One rule, however, must be observed;
You're not allowed to sell.

FIFTH ANNUAL UPPER PENINSULA

Rock Swap

MARQUETTE TOURIST PARK, COUNTY ROAD 550, MARQUETTE, MICHIGAN

9:00 a.m. to 6:00 p.m.

FIELD TRIPS - AUGUST 10 - 1:00 P.M.

CARE TO TRY SWAPPING?

If you have never swapped before and are afraid to try because you do not know how, here are a few guidelines which may help you.

FIRST, after saving your finest specimens for your own collection, divide the remainder of your field trip loot into four piles; extremely good, good, too good to throw away, and trash. It is your first and second piles which should be your trading material. The swappers, like you, are out to better their collections; and if you offer them junk, you will get junk, or nothing in return. If you have room, take the third pile along to give to the kids when they offer you a piece of granite for your finest calcite.

SECOND, make sure everything is properly labeled with the name and locality of the specimen (some people also like to know the year it was collected). Trim and clean your rocks and display them attractively in flats, small boxes, or on foam mountings. At the swap spread them out on a tailgate or table, rather than on the ground. If in doubt, bring along a folding table and chair.

Once you have set up, leave your rocks and look around at other swappers' wares. Make a mental note of what you like and what you have of similar value that could be traded off. As a beginner, I knew nothing of the value of rocks; but looking back over the years, I realize that only one person has ever tried to take advantage of me.

In trying to acquire a certain specimen, tell the owner you would like to have it and invite him to accompany you to your table to see if there is anything he likes. If he looks over your rocks and says: "Sorry, there is nothing here I really need", don't take it personally. Also, don't be unreasonable about trading. If you especially desire a nice specimen from someone who wants something of yours that is worth more, why turn down the trade if you can easily come by more stock? After all, you are there to increase your collection, aren't you?

Don't downgrade the other fellow's materials. You will antagonize him and he certainly won't be fooled into trading any cheaper. Also, if there is something special about your materials (phantoms, closed locations, etc.) don't hesitate to use this as a selling point.

Bring along some paper towels to wrap new specimens and pencil and paper in case they are without labels. Be sure to leave the area clean when you leave. Good luck, and have fun!

via The Hobby Times and Rock Slide

YOUR PERSONAL CHECKLIST ... for when you are out collecting specimens, or when you are sorting out the material you already have ...

For the ROCK SWAP ...

- Silent Auction materials
- Door prize donations
- Raffle prize donations
- Personal Swapping Materials

For upcoming IRMC events ...

- Sandy Knoll School project donations
- Door Prize donations in future
- Christmas Party- Gift Exchange &
Door Prize donations
- Silent Auction donations (Feb.'81)...

MORE FIELD TRIPS AND ALL ABOUT THEM

by Bruce Spike

What's in store for the balance of 1980? We have a Rock Swap planned for August 9 and 10. We hope many visitors will enjoy this event. To help them we have a field trip planned for Sunday afternoon, August 10. We will take them to Lindberg's Pit for Kona Dolomite. Visitors and local rockhounds alike admire the Kona as one of the treasures of this area.

Formed in the middle Pre-cambrian time, about two billion years ago when simple Algal plant life was the only known living thing, the Kona is decorated with Algal layers and iron stains.

Labor Day weekend - another camping trip. Be prepared to stay for several days. We will stay at Silver Sands campground west of Ontonagon, Michigan. However, for those who don't have campers, several motels are available close at hand. While exact details of daily trips have not been worked out, there will be plenty of things to do. This area is advertised as a rockhounds' paradise. Prehistoric pits and mine workings are nearby with agates and driftwood on the beach. If you have not seen Lake of the Clouds, an inspiring sight is in store for you.

September 21, our next field trip, should be bright, sunny and warm with fall colors at the height of their glory - a beautiful day to be out. We meet at the Marquette Tourist Park, ready to depart at 9:00 a.m. First stop is Krieg's Gold Mine near the old mill town of Birch. This venture was first mentioned by the Mining Journal in 1899. Called Sauk's Head Copper Mining and Development Company, chiefly owned and operated by the Krieg family. The Mining Journal reported in March, 1902, that the Krieg brothers of Marquette had been sinking test pits for some time and found a good vein with copper, gold and traces of silver. By June of 1902, they had reached a depth of 15 feet and the ore was getting richer, assaying at \$11 per ton. By September they apparently had reached a depth of 38 feet; as announced in mid-September the ore at that depth assayed \$125 per ton (gold). In July, 1904, what money was available was to be used in building a new shaft house and plans were made for a small stamp mill and air compressor. However, when the shaft got down to 120 feet, so much water seeped in they had to abandon it. This was apparently in the winter of 1904. Most of this ore must still be there because I find no mention of any being shipped out or refined. Perhaps you will be lucky and find a bit of gold.

Next stop is Gobler's Knob, a bald, glaciated rock knob which overlooks Big Bay, Lake Independence and Lake Superior. If the fall colors are in their glory, it is a sight to remember.

Next point of interest, for those who can hike a mile, is a small Virgin Climax Forest which looks today like most of northern Marquette County did at the turn of the century. Some of these trees were growing before Columbus made his famous voyage.

Hope you packed a good lunch; I'm sure you're hungry. Let's stop at Bartelli's camp and eat. Afterward, a little hike to Pinnacle Falls on the Yellow Dog River will help settle your lunch. This is a very interesting and scenic spot. I refer you to Ingrid's article on the geologic history of the Yellow Dog. Many changes have taken place since the glacier receded and changes are continuing constantly. Nature works slowly but dynamically.

This is the last field trip for 1980 - let's enjoy it!

THE YELLOW DOG COUNTRY

by Ingrid Bartelli

Scheduled as a summer field trip for the IRMC is a trip to the Yellow Dog country. Few people are more enthusiastic and knowledgeable about this country than is our friend Fred Rydholm. He can spin yarns (fact and fiction) by the hour for us to weave into the fabric of our minds.

One Kenneth Segerstrom, Denver, Colorado, published a research paper for the U. S. Geological Service in 1964 entitled, "Negaunee Moraine and the Capture of the Yellow Dog River, Marquette, Michigan." Facts from Segerstrom's paper are incorporated into the following report.

The Yellow Dog Plains is a sandy, southward-sloping area about ten miles long (east to west) and two to three miles wide (north to south) in northwest Marquette County. The north edge of the plains drops as much as 400 feet in a steep escarpment to a narrow lowland which lies between the Yellow Dog Plains and the Huron Mountains. The south edge of the plains is bordered by the present Yellow Dog River and a rocky highland which rises some 400 feet above the river.

The tree cover is a good clue to the location of the Yellow Dog Plains. They are (or were) almost exclusively covered with jackpine trees. Current extensive logging operations are clear cutting the plains of tree cover. The country bordering the plains on the south and north and at both east and west ends is primarily covered with hardwood trees.

The Yellow Dog Plains is part of the geologically termed Negaunee moraine which in other areas consists mostly of thin glacial drift dotted with numerous bedrock knobs and a few gravelly kames. Near the Yellow Dog Plains area, the moraine is part of a thick accumulation of sand and other debris, locally studded with kames or pitted with small kettles. The south edge of the plains is almost entirely sand with very few boulders present.

Think back a few million years ago. A preglacial Yellow Dog River is surmised to have run through a wide valley eastward from the Huron Mountains. During the Mankato Stade period the area was covered with a continental glacier of unknown thickness. The ice was thickest over the valley immediately south of the Huron Mountains. During stagnation, the margin of the glacier just stood there. The melt water from the glacier deposited kames on the underlying surface constructing the broad kame surface -- the Yellow Dog Plains -- as it spilled southward.

A glacial lake was formed by the high bedrock hills to the south of the plains. Briefly the glacial drainage was to the south through the Mulligan Plains to the Dead River.

The increased pressure of the glacial melt water broke a gap near the Pinnacle Falls which drained the lake, cutting an exceptionally steep, narrow gorge extending downstream from the Pinnacle Falls for about two miles.

As the area between the Yellow Dog Plains and Lake Superior deglaciated, former drainage systems were reactivated; the Salmon Trout draining to the north and the Yellow Dog to the east. The glacial drainage south through the Mulligan Plains survived only briefly.

(continued on page 10)

The Yellow Dog Country (continued from page 9)

It won't happen in our lifetime, but the Yellow Dog River is doomed to die. It will be captured by the Salmon Trout River. There is only twenty feet difference in the level of the two rivers with the Salmon Trout being the lower. Slowly but surely the Salmon Trout is capturing the headwater drainage areas of the Yellow Dog spelling its doom.

You will have the opportunity to view the gorge below the Pinnacle Falls on our field trip as well as vast clear cut areas of the Yellow Dog Plains.

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SOME THOUGHTS ON FIELD TRIPS
(A message from your Assistant State Director)

The Ishpeming Rock and Mineral Club has had several field trips so far this summer; some were day trips and one on the long Memorial Day weekend to the Houghton-Calumet area. Due to the high cost of gasoline our lower peninsula and out-of-state visitors were not able to come as they have in the past. We did have one couple with us, the Bob Smiths, from Massachusetts. We must have showed them a good time as they want to become members of our club, and return next year to hunt in some of the places they didn't get this year.

While on these field trips, I have wondered where the majority of our club members were. It seems as if the same members are taking part in the trips each time. I know we all would have more fun if more of you were participating. We could help the new members with identification and show them what to look for. It is also an opportunity to get to know each other better. On the weekend trips we enjoy the fellowship of an evening campfire, discussion of the day's finds and cultivate a desire to do better the next day.

Do you realize how fortunate we are in having so many areas of good hunting within a relatively short distance? Rockhounds in the southern part of the state envy us. Most of the few places they did have are closed to them.

Take advantage of the opportunities offered to you. Let's all get together and make Bruce and Mike, our field trip chairmen, feel that all the work of setting up field trips is worthwhile. Keep the costs down by sharing the ride.

Frazier H. Tubbs
Assistant State Director for the MWF

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MORE PROBLEMS FOR FIELD TRIPS

Recently some rock collectors were refused entrance to a quarry by the quarry operator who stated he had received a regulation from the Mine Safety and Health Administration of the Department of Labor. "Collectors were to be prohibited from collecting in quarries and mines unless they had TWO WEEKS of training in mine safety."

It is a good thing that some collectors are working to help preserve field trip activities. Finally a statement from the MHSB Bulletin of May 22, 1979, quoted the following: "Rock collectors are considered visitors to a mine, and as such, are not

(continued on page 11)

More Problems for Field Trips (continued from page 10)

covered by the training regulations. However, the mine operator has the ultimate responsibility for the safety of all visitors who enter the mine, including the collectors. Thus the operator must make assessment of the nature of the visitor's activities at the mine to determine if any action is necessary on his part. With respect to rock collectors, the following requirements should be met:

1. All rock collectors, whether at surface mines or quarries or underground mines, should wear appropriate safety equipment.
2. Rock collectors at surface mines and quarries whose activities require that they enter the active working areas of the mines should receive hazard training. The purpose of this training is to familiarize the rock collectors with the hazards they may encounter at the mine concerning mobile equipment, blasting high walls.
3. Rock collectors at surface mines and quarries whose activities are away from the active working area or which occur while the operation is inactive, such as week-ends, need receive no training at all.
4. Rock collectors at underground mines should be accompanied by experienced miners.

HB1603 was introduced in Congress to exclude gavel pits and rock quarries from the Federal Mine Safety and Health Act. This information should be brought to the attention of all the clubs and copies shown to quarry or surface mine operators if they are reluctant to permit collecting.

from the Washington Scene by Kenneth Zahu
in the March 1980 AFMS Newsletter

A TALE OF ROCKHOUNDING DETECTIVE WORK

Some weeks ago your editor received an advertisement for a new book dealing with sedimentary rocks. The advertisement was printed on a color reproduction of the dust jacket for that book. On that dust jacket, was a closeup of an outcropping of a beautifully banded material. The banding was of contrasting layers of a reddish and whitish material. In addition to the pronounced and contrasting colors in the banding, the thing that really caught my eye as an amateur lapidarist, however, was the fact that the layers appeared to display the conchoidal fracture surfaces so typical of many materials suitable for lapidary work. The fresh fracture surfaces literally sparkled in the bright sunshine. Judging by the size of the geologist's hammer in the picture; it appeared that the bands varied in thickness from a few 32nds up to an inch or so in thickness. I decided that this material just had to have considerable potential for lapidary work, but I was puzzled by the fact that I had never seen it in any show, shop or publication. The material was not identified on the dust jacket or in the advertisement, only the photographer's name was given. I suspected that the material and the outcrop just had to be a recently discovered one in some remote part of Siberia, China or Central Africa. I decided to make an effort to track down the identification and source of this material nevertheless, if not to corner the lapidary market, then to at least satisfy my own curiosity.

The advertisement listed the senior author as being a Harvey Blatt of the University of Oklahoma. That seemed like a logical place to start. A phone call to his office disclosed that he was out of town on a trip. Belatedly, I noticed that one of the schools using the previous edition of this text was the University of Missouri. It seemed possible that the same picture with complete identification might have appeared in that earlier version. A trip to the Geology Department library was for

(continued on page 12)

A Tale of Rockhounding Detective Work (continued from page 11)

naught since all the copies were out on loan. Jim Stitt, the Department Chairman, was in his office; so I decided to ask him for help. He did not have a personal copy of the older text and could not identify the material either. The faculty member with a copy was out of town, so Jim called to say, "Grant, we got the information you wanted on the colorful, banded material. The same picture appeared in black and white in the earlier edition, where it is identified as a precambrian outcrop of the Negaunee Iron Formation just outside of Marquette, Michigan. The red material is a hematitic chert or jasper and the whitish bands are called specular hematite." My wildest expectations were being fulfilled. Not only did the material still sound like it had lapidary possibilities, but it was fairly close at hand in an area that I tend to visit almost yearly.

I was so pleased with my detective work, that I couldn't wait to share the news with some of the other club members. That very evening we had a club board meeting scheduled. I immediately cornered Vernon Barr as I entered the meeting and proudly showed him the color picture. I fully expected him to say, "wouldn't it be nice if we could get our hands on some of that?" Then I planned to give him the good news and display my ingenuity and persistence by relating the story of how I had tracked down the source. Vernon did indeed ooh and aah appropriately, and then completely floored me by saying, "Grant, I recognize that material. It comes from Upper Michigan, near Marquette, as I recall. We have some of that at home that we got a few years ago. Would you like some?" Vernon had no way of knowing that he had just pulled the rug out from under my wonderful tale and that I was crumbling before him totally deflated.

The real message or moral to this long tale is that it illustrates the value to any club of this world the experienced and knowledgeable rockhound who willingly serves as a fantastic resource of information and help to those of us who have enough sense to simply ask for help. Maybe next time, I will remember to ask.

by Grant Darkow via & of the CMRLC News-
letter via The Escom

(Editor's Note) In addition to the moral of Mr. Darkow's article, I thought the description of the locally available material in his tale might whet your appetite to join in the IRMC field trip on August 10 to Lindberg's Pit.

Lindberg's Gravel Pit, being privately owned, is closed to collecting by rockhounds. However, the IRMC has obtained permission yearly to include this desirable collecting site on its field trip agenda in connection with our ANNUAL ROCK SWAP.

I do hope you will join us. Remember ... we will sign up for this field trip on Saturday, August 9, at the Rock Swap. Then, on Sunday, August 10, we will meet at the Marquette Tourist Park to form a caravan (and, hopefully, pool rides) to the pit. The caravan will leave at 1:00 P.M. SHARP.

HOGG'S LAW: The weight of the rocks collected increases in direct proportion to the square of the distance carried, times the angle of the hill to be climbed.

via Chips and Facets

WELCOME ... NEW MEMBERS ...

Mr. and Mrs. Ken Butterfield of 65450 - 8 Mile Road, South Lyon, MI 48178

Mr. Butterfield is a machinist. Their hobbies include: machinery, gold dredging, gun collecting, scuba, salvage.

Mr. and Mrs. Don Auler (Dorothy), 623 East Highland, Villa Park, ILL 60181

The Aulers are members of the ESCONI club as well. Mr. Auler works for Univac Service. Hobbies include art and photography.

Mr. Tom Hughson, 1643 - 16th Avenue South, Escanaba, MI 49849

Mr. Hughson is a high school guidance counselor and is a member of the Escanaba Rock Club. His hobbies include hunting, fishing and yardwork.

Please add to your Membership List: Renewed members - Charles & Elizabeth Waters - Gene & Maryellen Arntsen & Sons

One rockhound to another: "I got a new tumbler for my wife." "Gee, that's great! I wish I could make a trade like that!"

via Ozark Earth Science News & Template

COMING IN OCTOBER

From time to time the subject has come up of running in the JASPILITE a column for IRMC MEMBERS ONLY to enable them to buy, sell, and/or swap their material(s) with members of other clubs. Not lack of interest, but lack of obtaining all the information from all members, has been the deterrent thus far.

If you are interested in such a column being printed in the October 1980 JASPILITE will you please complete the questionnaire printed below and return it to me PRIOR TO OCTOBER 1, 1980. While I do plan on this column being a one-time-only column, it is quite possible it can be made an annual feature of our bulletin, with your help in contributing updates, of course.

Your Name _____ Phone Number _____

Street Address _____ City, State, Zip _____

Name(s) of Material(s):	Circle One:	Name(s) of Material(s):	Circle One:
_____	buy sell swap	_____	buy sell swap
_____	buy sell swap	_____	buy sell swap

REMEMBER: This column will be a service provided by your club; it is not intended to be construed as free advertising. Please take into consideration that there are many club members; do not list more than four items.

FIFTH ANNUAL UPPER PENINSULA

Rock Swap

Saturday, August 9 9 to 6

Marquette Tourist Park County Road 550 Marquette

Admission to Swap: Donation to Silent Auction

Silent Auction	FIELD TRIPS	Swapping
Door Prizes	August 10	Cracker Barrel
Refreshments	1:00 P.M.	Raffle

PLEASE NO SELLING

July, 1980

THE JASPILITE
Ishpeming Rock and Mineral Club, Inc.

Helen Johnson, Editor
1962 West Fair Avenue
Marquette, MI 49855



FIRST CLASS POSTAGE

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Route 1 Box 35
Ishpeming Mich
49855

Remember to complete questionnaire on reverse side and return to your Editor BEFORE OCTOBER 1, 1980, at the address listed above.