

**T H E**



**J A S P I L I T E**

**JAN 18 1981**

Affiliated with the Midwest Federation  
of Mineralogical and Geological Societies

THE JASPILITE

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

OFFICERS AND COMMITTEES

President	Olive Sain, 818 West Kaye, Marquette 49855	226-7325
First Vice President	Bruce Spike, 197 Midway Drive, Negaunee 49866	226-3933
Second Vice President	Michael Elliott, 632 N. Fourth, Ishpeming 49849	485-6237
Secretary	Frazier Tubbs, #2 County Rd. 510, Negaunee 49866	475-4954
Treasurer	Arnold Mulzer, 322 Rock Street, Marquette 49855	226-2321
Liaison Officer	Michael Elliott, 632 N. Fourth, Ishpeming 49849	485-6237
Exchange Bulletin Editor	Helen Johnson, 1962 West Fair, Marquette 49855	228-9422
JASPILITE Editor	Helen Johnson	
Publisher	Ernest Johnson	
Publicity	Bruce Spike	
Membership	Michael Elliott	
Finance	R. R. Anderson	
Field Trip Chairmen	Bruce Spike and Frazier Tubbs	
Safety	Leonard Bartelli	
Curator	C. R. Markert	
Scholarship	Laurence Sain, Frazier Tubbs, Ingrid Bartelli, Arnold Mulzer	
Hostesses	Marie Spike and Sharon Spike	
Librarian	Ernest Johnson	
Hospitality	Lilly Johnson	
1981 Swap Co-chairmen	Michael Elliott and Laurence Sain	

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 and articles should be sent to the Editor, Mrs. Betty Smith, 10807 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

**PRESIDENT**  
Milford J. Sharp  
3901 West 210th St.  
Fairview Park, OH 44128

**FIRST VICE PRESIDENT**  
Larry Nawojski  
22757 Redwood Drive  
Richton Park, IL 60471

**SECOND VICE PRESIDENT**  
Mrs. Diane Dare  
747 E. Blackford Ave.  
Evansville, IN 47713

**SECRETARY**  
Miss Jean Reynolds  
107 Tuttle Avenue  
Clarendon Hills, IL 60514

**TREASURER**  
William Parch  
P.O. Box 180  
Fountain City, WI 54640



NOVEMBER 1980 - ISSUE 208

## DEALERS' BOOTH

We readily admit our dealers are an important ingredient in every successful show. We also suspect many dealers are promptly forgotten about the time the last show visitor goes out the door.

An interview with several dealers at our Tulip City Gem & Mineral Show brought out several interesting points:

- o IN THE FUTURE WE DEALERS WILL CAREFULLY STUDY THE SHOW CIRCUITS. CUTTING DOWN ON MILEAGE IS MONEY IN THE CASH BOX.
- o JUST BARELY MAKING OUT.
- o WE HAD TEN GOOD YEARS. WE CAN MAKE IT THROUGH A COUPLE OF LEAN ONES.
- o WE ARE HAPPY AND HOPE TO BE INVITED BACK NEXT YEAR.
- o WE ARE HOLDING OUR CONTRACTS WITH OTHER SHOWS (UNSIGNED) FOR NEXT YEAR, NOT TOO SURE YET ABOUT 1981.

From the Show Chairperson to the last member on the smallest committee, all of us are in this "show business" for pleasure and education - financial success is secondary. But for the Dealer, while it may be fun, and it may be entertaining, it is also a very important business. The dealer has thousands of dollars tied up in his inventory and equipment and he has to make a profit or we won't see him again. An invisible dealer can't help make our future shows a success. Be sure your show provides the best possible environment for the dealers.

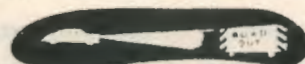


## ALL AMERICAN CLUB IS WISCONSIN GEOLOGICAL SOCIETY

The National winner of the All American program of the American Federation of Mineralogical Societies is the Wisconsin Geological Society of Milwaukee. The All-American trophy for the 1979 club year has been mailed to Bernice McCloskey for presentation. This is the second time this deserving club has received this award. It has often been among the Midwest trophy winners also. The well rounded club is involved in many educational projects. They also do an excellent job in the club publicity department. Members work for the Midwest Federation, and are prominent in their own communities. Congratulations to an outstanding club! The Midwest Federation is proud of you.

June Zeitner  
Regional All American Chairman 1979-80

What makes your club different? You are not just a group of rock polishers, or just field trippers or rock hoarders. Most club members can be heard bragging about their club, which is, naturally, one of the best. I would like to help you brag and if you club Presidents or Bulletin Editors or Liaison Officers will send me a short paragraph about your favorite club activity I will share them with other Midwest Clubs



SLOW DOWN at SUNDOWN!

• More Fatal Accidents  
Happen at Night!  
•

THE LINCOLN SHOW FROM "DOWN UNDER"

A New Zealand visitor to the Lincoln Show was wandering through the Swap area and stopped in front of our table with a very surprised look on his face. He had just spotted some "catseyes" from New Zealand and it may have made him a bit home sick. After talking quite a while we exchanged addresses and recently we received an Aerogramme from him:

Dear Bette,

Hi! At last I have had a few spare moments since returning from the U.S.A. It sounds as though your weather is far from good. We have had T.V. reports on your heat wave. The heat we had in Lincoln and Missouri was more than we were use to.

Sorry I did not get a chance to come back and speak to you again. We seemed to get so tied up at the main show centre and even then we did not see in detail all we wanted. We really enjoyed the Show and saw a lot of displays that were most impressive. I purchased quite a few minerals, fossils and slabs. They were mostly materials that were different, and things that we do not get or see at home. It was a real circus getting all the gear home.

My slides of the Show came out well and I showed them at Club night and they were most impressed. They thought your windmill was great too. I have not yet a photo of our President's windmill covered with catseyes but will do so soon.

Our club is putting on a Show on September 12, 13 and 14 so we are all busy with preparations.

I enjoyed meeting you in Lincoln, and I can still remember the shock I got to see New Zealand catseyes on the Swap table.

kindest Regards,

John Turnwald

FALL MEETING

The Fall Meeting of the Midwest Federation Executive Committee was held at the University of Notre Dame Athletic & Convocation Center on Saturday, November 1, 1980.

There will be reports from this meeting in the next couple Newsletters.

Included will be Convention Reports from

- 1980 - Lincoln, Nebraska
- 1981 - South Bend, Indiana
- 1982 - St. Paul, Minnesota
- 1983 - Bids to be presented

TWO GOOD REASONS FOR WEARING EYE PROTECTION



NEED NEW MEMBERS?

Here is an idea that worked for one club. Try it on your Show Chairman or your Board of Directors.

On the back page of the Show Program was a membership application. Every adult coming into the Show received a program and an application. The new twist was the fine print "This coupon is good for ONE DOLLAR off on next year's membership dues if used by October 31, 1980".

Did it work? You bet!! In two days the club signed up TEN new members. Why don't YOU try it.

# Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. Betty Smith, 10807 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

**PRESIDENT**  
Milford J. Sharp  
3901 West 210th St.  
Fairview Park, OH 44126

**FIRST VICE PRESIDENT**  
Larry Nawojski  
22757 Redwood Drive  
Richton Park, IL 60471

**SECOND VICE PRESIDENT**  
Mrs. Diane Dare  
747 E. Blackford Ave.  
Evansville, IN 47713

**SECRETARY**  
Miss Jean Reynolds  
107 Tuttle Avenue  
Clarendon Hills, IL 60514

**TREASURER**  
William Parch  
P.O. Box 180  
Fountain City, WI 54649



DECEMBER 1980 - Issue No. 209

## A WORD FROM OUR RETIRING PRESIDENT BERNICE

As our 40th year comes to an end and I turn the leadership of this organization over to another team, I think again of all the dreams of previous officers. Certainly the goals were high, to reach ever upward - to build a Midwest Federation that works for everyone. That is what we tried to accomplish this past year.

Our achievements can only be judged by how they work for you, for your club, and the Federation. Your letters with suggestions as well as complaints helped us to direct our services to your needs. Working together we hope we have achieved some measure of progress. Whatever success we have had has been due to the willing cooperation of my team of workers - the elected officers, the committee chairmen and assistants, and the State Directors and assistants who have served so loyally throughout the year. To them all, I express my heartfelt thanks.

To the many clubs within the Federation, I regret I have not been able to visit or personally write to all of you. Our State Directors and assistants will, or course, continue to serve you. In fact, they want to know your needs!

It has been a privilege and a pleasure to serve as the 40th President of this great organization. Thank you all.

\*\*\*\*\*

Due to the recent illness of President MILFORD J. SHARP, First Vice President, LARRY NAWOJSKI, presided over the Fall meeting of the Executive Committee held at Notre Dame in South Bend, Indiana. The Michiana Rock & Gem Club of South Bend were the gracious hosts. LARRY will act in MILFORD'S behalf until he can resume his duties.

MILFORD'S wife, GLADYS, has also been seriously ill. We wish them both a speedy recovery.

## AMERICAN FEDERATION SLIDE PROGRAM CONTEST

The American Federation has set this contest up for the benefit of every "rockhound" in the USA. Last year there were only seven entries! With inflation what it is, maybe the \$100 prize isn't enough. What about sharing your fun and knowledge with others in your hobby. This year it would be gratifying to see Midwest submit many programs and take all three prizes. (Yes, they couldn't give away two).

How do you make a program? Order "CLOSE UP PHOTOGRAPHY" for techniques; get your cameras wound up and go!!

Let MRS. KAY JENSEN, 199 East Brook Road, Pittsford, New York 14534, know Midwest is alive and interested.  
WRITE FOR DETAILS.....

## New AFMS PUBLICATION

Whether it is called "show off" or just plain displaying or exhibiting in a manner so that friends will properly appreciate your pride-and-joy items, the "GUIDELINES FOR EXHIBITORS" is a must resource.

Suggested guidelines are given for showing off prize items in your living room or den, or your "rock" collection and for impressing the public, especially the judges, if the exhibit is a competitive one at your local or regional gem and mineral show. The book is well written and easy to understand. It will help you "put your best rock, gem or mineral forward" as you display.

"GUIDELINES FOR EXHIBITORS" is available at the cost of \$1.00 plus 40 cents shipping. If your club orders two or more copies, the postage per copy is considerably less. Send your order to the MWF Director of Supplies, CLINTON I. HECKERT, 725 Stewart Ave., Elgin, IL 60120. Phone (312) 742-3160

CLINTON I. HECKERT - MWF Director of Supplies



"COPPER COUNTRY VARIETIES" - a very well done program of 80 slides, good for study or general meeting. This was done by the Copper Country Gem & Mineral Club of Calumet, Michigan and is the third program donated to the Federation by this club. All eighteen members stand up and take a bow. Keep up your wonderful work!

The newest club in our Federation (all paleontology) started out on the right foot. A "thank you" to Mid-America Paleontology Society (MAPS) for sharing their knowledge and hobby with us. "FOSSILS AND THE STORY THEY TELL" - 95 slides - interesting and not so technical as to scare off the so-so fossilifer. Travel from the Grand Canyon through Nebraska, Iowa and Illinois to Quebec. Did I say fossil program?

"SCRIMSHAW" - step by step method. Dying out of the American Whaler by FRAN KOLDOFF. A half hour program of 35 slides given us by the Greater Oak Lawn Diggers (GOLD). It is refreshing to send a program to a club for their use and when it is returned - the question, how can we donate a program? Many thanks GOLD.

"LAPIDARY CAMEOS". This is the only prize-winner in last year's American Federation slide program contest. It is composed of five phases of Lapidary Art: spheres, doublets and triplets, a ring, a carving and an intarsia. 115 slides - presented by the Tuscarora Lapidary Society of Media in Eastern Pennsylvania. Excellent for study or general meeting.

DON STINNETT/per LOUISE STINNETT  
Chairman Program Requests  
29462 Aspen Drive,  
Flat Rock, Michigan 48134

The 1980 Hoosier Rock Swap was held October 3, 4 & 5 at the Fairgrounds in Terre Haute with the Vigo Rock and Gem Club as Host. DR. BENJAMIN MOULTON, Head of the Geological Department of Indiana State University served as President. Early reports indicate the swap a financial success as well as fun for Hoosier Rockhounds. On Saturday and Sunday field trips for Fern Leaf Fossils were held.

The Hoosier Rock Swap is a roving swap sponsored by the Indiana Clubs belonging to the Midwest Federation. Various clubs host it by bidding at either a Spring Meeting or at a session held during the swap. Delegates from each Hoosier Club and the Midwest Federation State Director, CHARLES J. WALKER, govern action.

RANDALL O. CAMPBELL, President of the Muncie Rock & Gem Club, was elected President (for 1981) of the Hoosier Rock Swap at its recent meeting in Terre Haute.

Indiana also hosts two other Annual Swaps, The Indiana Swap sponsored by the Lawrence Co. Rock Club at Bedford and the 500 Swap at Greenfield sponsored by the 500 Earth Science Club of Indianapolis.

CHARLES J. WALKER - Indiana State Director

---

#### GEM & MINERAL LAPIDARY WINNER

DAVID HORSTE, a young member of the Michigan Gem & Mineral Society of Jackson, Michigan, is the winner of a competition sponsored by the Gems & Minerals magazine this year. DAVID designed and made a pendant depicting a hot air balloon. He did the cabbing and silver work, then wrote an article for the magazine describing the project. DAVID'S parents, CHARLES and MARTY HORSTE, are active members of the Jackson Club, CHARLES currently serving as club President.

FLORENCE HILL - Michigan State Director

---

#### ISHPEMING FIELD TRIP (1980)

The Ishpeming Rock & Mineral Club hosted 38 members of the Escon Club of Illinois on a Labor Day field trip in Michigan's Copper Country. The Ishpeming Club's open field trips to the copper range on Memorial and Labor Day weekends have become noted events.

FLORENCE HILL - Michigan State Director

# Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. Betty Smith, 10607 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

**PRESIDENT**  
Milford J. Sharp  
3901 West 210th St.  
Fairview Park, OH 44128

**FIRST VICE PRESIDENT**  
Larry Nawojski  
22757 Redwood Drive  
Richton Park, IL 60471

**SECOND VICE PRESIDENT**  
Mrs. Diane Dare  
747 E. Blackford Ave.  
Evansville, IN 47713

**SECRETARY**  
Miss Jean Reynolds  
107 Tuttle Avenue  
Clarendon Hills, IL 60514

**TREASURER**  
William Parch  
Oakdale, WI 54849



JANUARY 1981 - Issue No. 210

## 1980 FALL EXECUTIVE MEETING

On November 1, 1980 I had the opportunity to attend my first MWF Executive Meeting. It was held at Notre Dame's beautiful Athletic Convocation Center.

After coffee and rolls the State Directors met for their meeting. Reports, problems and helpful ideas were discussed.

The Executive Committee meeting started about 10:30. Permanent committee reports were given - or read if the committee chairman was absent.

HOWARD TAYLOR reported on the 1980 Convention - Show held at Lincoln, Nebraska in June. A large check was donated to the MWF as their share of the profits. As a token of gratitude for their efforts this past year, HOWARD and his family were unanimously acclaimed "MIDWEST FEDERATION ROCKHOUND FAMILY OF THE YEAR".

The 1981 Convention - Show will be held at the Notre Dame ACC in South Bend, Indiana, July 23 thru 26. JAMES RUSSELL, Chairman, gave some preliminary insights to the show. There will be another Silent Auction with proceeds going to the Scholarship fund and crediting the individual clubs.

A discussion was held on having a closer relationship with Central Canadian Federation.

The Spring MWF Executive Meeting will be held at Mason City, Iowa, in conjunction with their show, April 25 and 26, 1981.

Committee members, LARRY DESOTEL, FRED BERMES and BERNICE MCCLOSKEY are working on a Program Book for State Directors. Its purpose is to enlighten the clubs as to exactly what the MWF does for them.

BERNICE MCCLOSKEY was appointed Chairman of a special "Library" committee. This committee will aid the individual Club Librarians.

## W. E. "ED" MCNAMAR

Memorial services for W. E. "ED" MCNAMAR were held Saturday November 8 in Des Moines, Iowa, following his death in an Omaha Hospital on November 5.

ED was a past president of Central Iowa Mineral Society and a past Iowa Vice-President for the Rollin' Rock Club. He also had served as Midwest Federation assistant on the Special Displays Committee and Assistant State Director for Iowa.

ED was a resident of Des Moines and in recent years with his wife MARY was a dealer and demonstrator of wire-twist jewelry at many shows.

The Chairman of the Selection Committee for the Scholarship (AFMS) for the next year, T. M. STOUT, has announced the following three winners.

Iowa State University (Ames)  
HOWARD J. WHITE  
DANIEL ROBERT BURGGRAF, JR.

University of Kansas (Lawrence)  
RICHARD A. ROGERS

These persons will probably finish their doctorates next spring so the scholarships will be \$1,000.

Three more students will need to be selected next spring

Congratulations.



It is none too early to begin planning your next summer vacation to include the 1981 MIDWEST FEDERATION SHOW & CONVENTION to be held in South Bend, Indiana, July 23 thru 26 at the Notre Dame Athletic Convocation Center, the scene of most of the important events that are held in the Midwest.

The Michiana Rock and Gem Club will be hosting the show which promises to be one of the most outstanding put on by the MWF.

South Bend is centrally located, near the center of the nation, served by the major airlines, Amtrak and just off the Indiana toll road.

The Notre Dame A.C.C. is ideally located, truly in the Midwest. With 135,000 feet of floor space all on one floor. Completely air conditioned there is ample space for the dealers, displays, demonstrations and wholesalers. Rooms at the Grace Tower, right on Campus and a parking area for 20,000 cars and campers.

Area clubs are most anxious to help man the booths, make favors and bring displays.

The dealers are making early reservations.

The Midwest Show promises to be a truly great one for all attending the "MIDWEST ROUNDUP OF GEMS".

Information packets will be available soon to all clubs in the Midwest Federation.

For more information, contact:

JAMES RUSSELL, Show Chairman  
27911 North Street,  
North Liberty, IN 46554

CATHERINE MCHUGH, Publicity Chairman

\*\*\*\*\*



FLORENCE HILL  
Michigan State Director

BOTTLE BILL

Mineral club members everywhere will be interested to know that Michigan's "Bottle Bill" is a proven success. Figures from the State Department of Transportation show that the amount of litter, especially of beverage cans and bottles, picked up along state highways by their regular cleanup crews has substantially decreased since the bottle return bill went into effect January 1, 1979. The improvement in roadside appearance is noticeable even to the casual observer.

Michigan Mineral Clubs supported the bill as being quite in keeping with our beliefs and practices. Club members took part in the statewide cleanup drive organized by Michigan United Conservation Clubs in the spring of 1979. We urge clubs in other states to get behind any such proposition pending in their areas, and help to make it law. Or, if necessary, start the Movement.



The MICRO MINERAL SOCIETY of the Cleveland Museum of Natural History of Cleveland, Ohio.

This society has 19 adult members and meet the 3rd Saturday of the month at the Cleveland Museum of Natural History. The current President is HOWARD H. SMEAD, M.D., 445-35 Hill Drive, Aurora, Ohio 44202. and...

The MIDWEST FACETORS GUILD of Mt. Clemens, Michigan.

They meet quarterly at the various members cities. There are 140 adult members.

President, HAROLD "ARIZONA" RICE lives at 65 Market Street, Mt. Clemens, Michigan 48043.



TABLE OF CONTENTS

IRMC Meetings & Events . . . . .	1	The White Pine Story . . . . .	8
Calendar of Events-Other Clubs .	1	Gold Rushings of 1980 . . . . .	9
President's Message . . . . .	2	Once Upon a Silent Auction . . . . .	11
Secretary's Minutes . . . . .	3	Library Notes . . . . .	12
Programs for 1981 . . . . .	4	Editorial . . . . .	12
Bits & Pieces . . . . .	5	IRMC Christmas Party . . . . .	13
Rockin' Round . . . . .	6	From your AFMS Newsletter . . . . .	13
New Members of IRMC . . . . .	7	IRMC Annual Silent Auction . . . . .	14

\*\*\*\*\*

IRMC MEETINGS & EVENTS

Friday, February 6	7:30 p.m.	Business Meeting at Bothwell Middle School
Sunday, February 15	2:00 p.m.	Program Meeting at Bothwell Middle School ANNUAL SILENT AUCTION. Display by micro- mounters. Make it yourself rock jewelry.
Friday, March 6	7:30 p.m.	Business Meeting at Bothwell Middle School
Sunday, March 15	2:00 p.m.	Program Meeting at Bothwell Middle School Slide Presentation: "The White Pine Story" Also, copper mining in Ontonogon County
Friday, April 3	7:30 p.m.	Business Meeting at Bothwell Middle School
Sunday, April 5 (NOTE CHANGE OF DATE)	2:00 p.m.	Program Meeting at Bothwell Middle School A CCI movie with commentary by Burt Boyum

\*\*\*\*\*

HOSTESSES FOR BUSINESS MEETINGS:

February 6 Eleanor LaChance  
 March 6 Hazel Kaukola  
 April 3 Jan Ruonavaara

#####  
 #  
 # THIS IS THE LAST ISSUE OF THE #  
 # JASPILITE YOU WILL RECEIVE UN- #  
 # LESS YOU PAY YOUR 1981 DUES. #  
 #

DOOR PRIZE DONORS:

February 15 Frazier Tubbs  
 March 15 Laurence Sain  
 April 5 Sally Ahrndt

# PAY YOUR DUES TO: #  
 # Arnold Mulzer, Treasurer #  
 # 322 Rock Street, Marquette #  
 #  
 #####

\*\*\*\*\*

CALENDAR OF EVENTS

March 20-22	SHOW	Grand Haven Rock and Gem Club, Grand Haven, MI
March 25-28	SHOW	Indian Mounds Rock & Mineral Club, Eastbrook Mall, Grand Rapids, MI
March 27-29	SHOW	Michigan Gem & Mineral Society, National Guard Armory, Jackson, MI

THE PRESIDENT'S MESSAGE

by Olive Sain

Looking back at 1980, our club has done some fine educational projects: the one at Sandy Knoll School, a case of 40 hand specimens for viewing and a large supply of specimens for student handling in classroom study; and, contributing 90 specimens for a mini-museum at an inner-city school in Cincinnati, Ohio.

Before the tourist season began, we housecleaned our rock and mineral displays at the Marquette and Ishpeming Chambers of Commerce. The several cases at the Ishpeming Chamber of Commerce, with its numerous museum-size specimens, was a major undertaking; but we were proud of the results. Sad to say before the year was over, we were faced with having to move the display because the chamber office was moving to a smaller site. No satisfactory temporary and safe location could be found so we were faced with a storage problem. A capable and diligent crew completed the job of carefully packing and labeling the specimens for storage in a matter of a couple days. Now our treasures are stored safely. We can only look to the future when the Carp River Forge Historical Museum and Park is built and where our stored away treasures can once again be seen, enjoyed and appreciated by all.

Our learning experiences have been many due to the excellent programs and field trips. Dr. Marla Buckmaster's program on Northern Michigan University's archeological digs in the Upper Peninsula and Ross Grunwald's progress report on the work being done at the Ropes Gold Mine gave us an inside look at geology and history at the same time. Marvin Zhender's pottery exhibit and demonstration related the clays and minerals used in pottery to our interest in rocks and minerals. Two geological excursions, one in Menominee County and the other in Powell Township, were also highlights of the year.

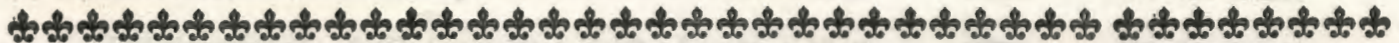
The Silent Auction, Swap, Memorial and Labor Day open field trips and Christmas party were opportunities to socialize, meet other rockhounds, add to collections or share collections, learn a little about the world around us (physically), learn a little history at old mine sites, and enjoy a wonderful, many-faceted hobby.

To have had such a great year took the involvement of almost the total club at one time or another.

If you weren't able to offer any help in 1980, we hope your circumstances improve so that you can assist in 1981. An overworked excuse is "I don't know how \_\_\_\_." When you see a sign up sheet for jobs that need doing in 1981, why not say as you sign up, "I don't know how --- but I'm willing to try given instructions or help." Keep that in mind when volunteers are needed -- speak up. You will gain satisfaction and pride in being a contributing member. Let's have 100% involvement in 1981.

Any ideas or suggestions you have for programs, trips, activities, etc., will be appreciated by your officers.

Thank you for making my year as president an enjoyable one; being so, I look forward to another exciting year with many new undertakings for the welfare of the club, its members and the community.



If EVERYBODY was asked to assist on a project, and he thought surely ANYBODY would want to assist, and at least SOMEBODY would do it, guess who helped out? You're right ... NOBODY did!

(in part from Joliet Gem Star)

## NOTES FROM THE SECRETARY'S MINUTES

by Laurence Sain

OCTOBER 3, 1980 - Business Meeting

Bruce Spike reported a program on crystals for November has been arranged. Members urged to bring specimens for "Show and Tell".

Annual Christmas party to be held at NMU.

Arnold Mulzer presented the minerals and rocks donated by the Shorts. Some are to be used for mini-auctions and some for the Christmas party prizes.

Nominating Committee appointed: Leonard Bartelli and Ray Anderson.

Bob Markert gave a recap of charter members. Club organized in January of 1953.

OCTOBER 19, 1980 - Program Meeting

Christmas party to be held December 14.

Many interesting exhibits.

Slide program shown by Frazier Tubbs and narrated by Mike Elliott.

JASPILITES for October were distributed by the editor.

NOVEMBER 7, 1980 - Business Meeting

Five new members elected to membership.

Mineral display at Ishpeming Chamber of Commerce had to be moved. Committees arranged for packing.

Professor Marla Buckmaster will speak at the Christmas party.

Frazier Tubbs and Bruce Spike hosted 22 Baraga Club members.

Sally Ahndt reported the school project for Sandy Knoll was completed and presented.

Ingrid Bartelli reported the Micromounters were beginning their sessions.

Mike Elliott appointed as Club Properties Chairman.

Frazier reported the Memorial weekend field trip for 1981 will be headquartered at Fanny Hooe Resort.

NOVEMBER 9, 1980 - Program Meeting

Interesting displays; one on Mt. St. Helens.

Mini-auction held.

Olive Sain narrated a slide program on jewelry making.

DECEMBER 5, 1980 - Business Meeting

Two new members elected to membership.

Arnold Mulzer reported on the packing and moving of the club display.

Life memberships discussed.

Ernie Johnson suggested a Swap Chairman be named.

Helen Johnson announced January 2 as JASPILITE deadline.

DECEMBER 14, 1980 - Program Meeting (Christmas Party)

An interesting slide program was presented by Professor Marla Buckmaster.

Officers for 1981 were elected as per the slate presented by the Nominating Committee.

(Only one change: Frazier Tubbs, Secretary)

Delicious Buffet Dinner served.

Annual gift exchange was held.

Table decorations were raffled as door prizes plus other donations of club members.

Flowered stones were place favors.

Very successful party. 95% of local members attended.

IRMC PROGRAMS FOR 1981

by Bruce Spike

- JANUARY 18, 1981 Slides and pictures of club activities over the years. Also, Wire Crafting. Bring your pliers.
- FEBRUARY 15, 1981 Silent Auction. Display by micromounters. Make it yourself rock jewelry. Bring your pliers.
- MARCH 15, 1981 The White Pine Story. Copper Mining in Ontonogon County.  
\*\*\*\*\*
- \*APRIL 5, 1981\* A Cleveland Cliffs Iron Company movie with commentary by Burt Boyum. (NOTE DATE: Tentative due to Easter holiday & school vacation)  
\*\*\*\*\*
- MAY 17, 1981 Early spring field trip to the Ohio Mine.
- MAY 23,24,25, 1981 Memorial Day weekend camping trip. Camping and cottages at the Lake Fanny Hooe Resort & Campground. Write LAKE FANNY HOOE RESORT, COPPER HARBOR, MICHIGAN 49918 for reservations.
- JUNE 20, 1981 A Saturday trip into the Republic Pit. Hopefully, they will still be in operation.
- JULY 19, 1981 Alberta Country field trip to look for Pyrolusite, drusy quartz and a look at the Sturgeon River Gorge.
- AUGUST 1, 2, 1981 Our ANNUAL ROCK SWAP at the Tourist Park in Marquette. Field trip on Sunday, August 2, to the Kona Pit.
- SEPTEMBER 4,5,6,7 Labor Day trip to the Copper Country. Headquartering at Twin Lakes State Park and resort. Trips to Copper Mines and agate beach.
- OCTOBER 11, 1981 Fall Color Tour. North of Ishpeming on county road past Deer Lake to Mulligan Plains and back along north side of Dead River Basin.
- NOVEMBER 8, 1981 Show and Tell. Bring what you found, traded or purchased. Tell what it is, etc. Also, silversmithing demonstration.
- DECEMBER 13, 1981 Christmas Party. Place to be determined later. Also, speaker and subject to be announced.

\*\*\*\*\*

I fell asleep the other night and while I had my snooze,  
 I dreamed each member stepped right up and promptly paid his dues.  
 But when I found it was a dream, I nearly had a fit.  
 It's up to you to make it true, so won't you PLEASE REMIT.

via Ozark Earth Science News & others

MAIL YOUR DUES TO: Arnold Mulzer, Treasurer IRMC  
 322 Rock Street, Marquette, MI 49855

BITS & PIECES

by Arnold Mulzer

Another year has gone by; and we can look back at our successful field trips.

The Republic Mine always has something for everyone. It has crystals, micro to fist-size cutting materials, and an unlimited amount of just plain iron ore.

The trip to Menominee County on July 20 gave our fossil hunters a chance to add to their collections from the bed of the Big Cedar River near Wilson. Also, on that day, we visited an abandoned farm to take pictures of field stone sculptures of a castle that the late Barney Nelson started. He must have been a very strong man to move large boulders into his art work. We topped off that day by going through the Iron Mountain ore mine at Vulcan.

The sight-seeing trip to Fayette State Park and the Garden Peninsula, along with collecting Satin Spar took care of May 18.

On August 10, along with our yearly Swap, a large group was guided to the Lindberg Quarry for Kona Dolomite by Bruce Spike.

No one was disappointed on the September 21 field trip and color tour. I'll refer you to pages 8 and 9 of the July JASPILITE. Bruce and Ingrid stated it very well. At Bartellis' camp several of us had the experience of trying to find a water vein with a wooden brutch. Too bad no movie cameras were available to show that the crutch pointed to the ground in areas where there was water.


Our field trips to the Copper Country on Memorial Day and Labor Day week ends were tops. Just ask our out-of-state guests that joined us.

Those of us that have visited the Ropes Gold Mine site in the past can consider ourselves lucky as it is now off limits. A mining company is now prospecting on the property and have diamond drilled many holes in the vicinity and now are dewatering the old shaft. At last report, they were down to the fifth level with 6 more to go. The Ropes Gold Mine produced gold for several years before the turn of the century when gold was selling for about \$16.00 an ounce.

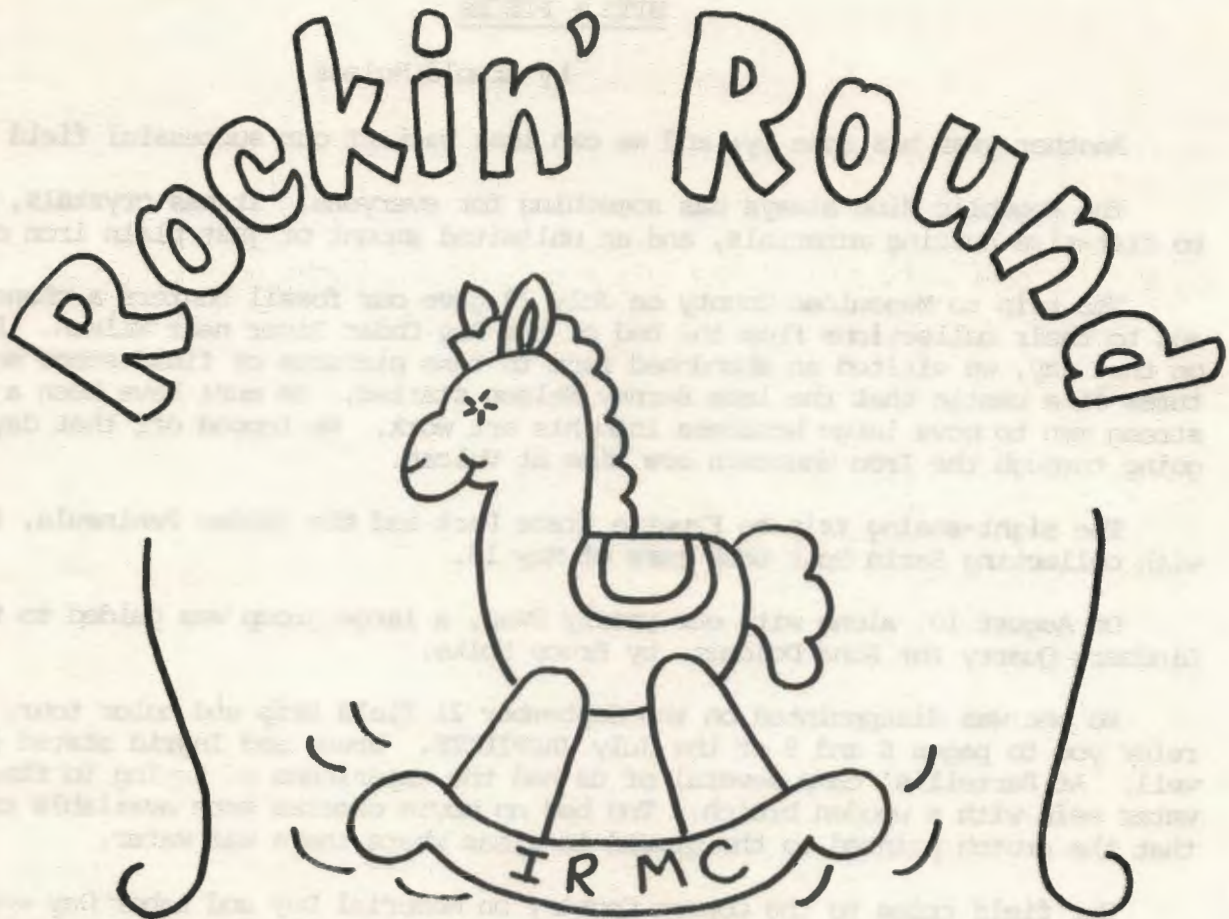
The Verde Antique Quarry is also closed as the road to it crosses the Ropes property. To me this area was a Rockhound's Paradise as asbestos and talc mines along with the Ropes and Verde Antique are all within one square mile. I thought I had a lot of gold; but it turned out to be pyrite (fool's gold).

Once again, it is time to remind you to take care of your 1981 dues. No reminders will be sent out this year. Pay before the April issue of the JASPILITE goes to press so your name will appear on the membership list.

Good rock hunting in 1981.



DUES ARE DUE      DUES ARE DUE      DUES ARE DUE      DUES ARE DUE      DUES ARE DUE



With a brand new year beginning, your editor came up with the idea of reviving an old column which appeared regularly in the JASPILITE for many years. Although the column is an old one, the rocking horse is brand new (I just have to finish the baby quilt appliqued with this horse as soon as this issue is out, or the baby will be here first.) and, of course, all the news within will be new, I hope.

One of our younger members, Becky Helt, entered the service on November 11 and is currently taking her army basic training at Fort Jackson. Becky was home for Christmas and returned early in January for about three more weeks of training in temperatures in the mid-20's (down south?). About February 1 Becky will be transferred to Fort Houston, Texas, for training as a dental specialist. Her parents hope to go down to her graduation in March. For those who would like to drop Becky a line, her address (until February 1, that is) is: Pvt. Rebekah C. Helt  
379-72-0109  
C-8-2-3  
Ft. Jackson, South Carolina 29207

The Ogeas spent a few weeks in Alabama before heading down to Cypress Gardens. Their original intent was to winter in Arizona; but Ben wants to see the satellite launching, so off to Florida they went.

Jim and Dorothy Bowns are safe and sound, I think, down Arizona way. No one has heard from them as yet. (hint! hint!) Dorothy, you will find the list of door prize winners elsewhere in this bulletin.

Rockin' Round (continued from page 6)

Dorothy Tubbs has had to make a few trips back and forth to Marshfield since our last bulletin for tests. She has also had a short stay in Bell Memorial. Do hope Dorothy is feeling a lot better when this reaches her and also in the months to come.

Sheryl Johnson, daughter of Ernie and Helen Johnson, was elected to the Golden Key National Honor Society at NMU on December 7.

Bob and Marian Markert had planned to go east for a short stay and then on to warmer climes in Florida for a good deal of the winter. Haven't been able to reach them by phone; so am assuming they have already left our nasty winter weather.

The Shorts, at last report, were also in Florida; although I hear tell that Nelson would also like to visit Quartzite again this winter. See his article on gold elsewhere in this issue.

According to Beth Helt, his daughter, Ray Anderson is doing pretty good. Hope he can continue to come to all our meetings.

Word has come from the Schenks that Bob fell a while back and broke his heel and is in a cast up to his knee. The fall also resulted in a compression fracture in his back; he will be laid up a few months yet. He is not permitted to bend over or to lift anything. So, to keep from crawling the walls these long winter months, he is going to try to pick up his faceting again. Good luck, Bob, and may you soon be back in the swing of things completely.

Ingrid Bartelli reports a fall down the basement stairs; the only catastrophe being her microscope. Being a micro-mounter, this is quite serious.

The December issue of the ROCKPILE reports that the Midwest Mineralogical and Lapidary Society of Dearborn is planning their 1981 Annual Field Trip to the Upper Peninsula and will include our ANNUAL SWAP on their agenda. Co-chairman of this field trip is Tom Morris, a member of our club.

\*\*\*\*\*

Our newest IRMC'ers that have joined our club since the last JASPILITE include:

Dr. Aaron and Robin Roy and daughter Amy (age 6), 804 W. Magnetic, Marquette, MI.

Robert and Florence Barrington, 301 East Hewitt, Marquette, MI 49855

Ruth Messier, 495 County Road 480, Marquette, MI 49855

Roger and Denise Berry, 111 Raymbault Drive, Marquette, MI 49855

Hope all of you enjoy your association with our club; and may you have a rock-filled year ahead of you.

\*\*\*\*\*

Because of our regularly scheduled program meeting for April falling on Easter Sunday, the APRIL PROGRAM MEETING has been tentatively re-scheduled for SUNDAY, APRIL 5, 1981, at Bothwell Middle School.

## THE WHITE PINE STORY

The Keweenaw Peninsula of Michigan has been renowned for its deposits of native copper since the 1630's and even before that time the metal was mined by a prehistoric race. The white man's first serious effort was made by Alexander Henry, an Englishman, in 1711. It ended in failure. In 1783 the land was ceded to the newly organized United States, but nearly a century was to pass before further efforts were made to investigate the metal deposits.

Fortunately for the district, one of the earliest mining ventures proved to be remarkable profitable. The Cliff Mine, the first one in the world to mine native copper, was opened in 1845. In 1858, still another type of orebody was found. This was in the now-famous Calumet Conglomerate.

The amygdaloid and conglomerate lodes provided the bulk of the copper ore produced in the district from the 1860's through its main productive life of about 70 years. During the past 30 years, copper has still been produced in quantity but at a declining rate. In the first 65 years, up to 1925, the district yielded 7.5 billion pounds of copper. Since 1925, about 3.1 billion pounds have been recovered.

The productive peak came during World War I when the mines put out about 270 million pounds per year. In contrast, 1954 production was 46 million pounds. Up until about the turn of the century, Michigan led all other states in copper production.

In 1955 the declining trend in district production was reversed when the White Pine Mine went into large scale operation. This deposit is located some 75 miles southwest of the heart of the famous Copper Country. Here, copper occurs as tiny scattered grains of both native copper and copper sulphide (Chalcocite) in relatively flat lying beds of shale and siltstone. Thus, it represents a fourth major type of geologic setting for orebodies in the Michigan district.

There is even more disagreement as to the mode of origin of the White Pine deposit than there is for the native copper ores of the Keweenaw Peninsula. One group believes the copper was deposited in the rocks at the same time the shale and siltstone were formed, another school regards the ore minerals as having been introduced much later. It may be a long time before scientists agree as to which idea is correct.

Although copper mineralization in the Nonesuch shale had been known since about 1850, this large, low grade deposit had to await the development of efficient, mechanized equipment and flotation concentrators before it could be worked at a profit. Scheduled weekly tonnage at White Pine in 1974 is over 175,000 tons of ore containing above 20 pounds of copper per ton. Annual copper production is about 155,000,000 pounds.

The rock is drilled, broken by blasting, and hauled by loaders and trucks to underground dump stations which deliver the rock to 54 inch wide conveyor belts. Underground jawcrushers break the rock to less than 8 inches and another belt conveyor transports it to the surface for further crushing and processing. In the concentrator, the rock, now all in pieces smaller than 5/8 inch, is fed to large steel ball mills and rod mills where it is ground to the fineness of flour. The addition of chemicals and blowing of air through the ground ore and water causes the copper minerals to adhere to the bubbles and rise to the surface. The remaining rock materials sink. The concentrate thus produced contains about 640 pounds of copper to the ton.

Copper concentrates are smelted at White Pine, and the final product is 99.94% pure White Pine Lake Copper.

(Condensed from: A Brief Description of the Copper Country by White Pine Copper Co.)



## GOLD RUSHINGS OF 1980

by Nelson Short

With the high price of gold, many new part-time, full-time and week-enders are creating a whole new goldrush. While in Arizona last winter, I observed much new activity in the washes and mountain sides. A man prospecting in the Dome Mountain area near Quartzite found a 3-1/2 ounce gold nugget. Needless to say, he didn't pinpoint his discovery. A friend of mine who winters in Quartzite and does much panning found a small fingernail sized nugget but with a metal detector. So there is much gold to be found if you know where to go and are lucky.

While at the Maricopa County Gem and Mineral Show in Phoenix, I was assisting a book dealer in his booth. I was amazed at how many books on gold panning and mine locations he sold. Many people were just getting started and wanted to know just how to begin and where to go. With the many floods that have occurred recently, much new ground has been uncovered.

Many claim owners are making a business of taking small parties to their claims and teaching the art of gold panning. This is on a fee basis; but the client keeps what he pans. This quite often pays his fee or more; and he also has a lot of fun out of it.

With modern-day equipment and transportation, a family can have a weekend outing and maybe pan enough gold to make expenses and be able to get out in the clean fresh air for a couple of days. The modern four-wheel drive makes traveling across the desert much faster and easier than with the four-legged mule that the oldtime prospector used.

Then there is the modern day professional miner with sophisticated electronic equipment and airplanes or helicopters that can locate and get into areas almost inaccessible before. One such company from California has claimed they have found the old Peralta Gold Mine. These are located in the Superstition Mountains east of Phoenix. They are well named Superstition because of the many stories told about them.

The Peralta family of Mexico mined the Superstition area about 150 years ago. One day as the Peraltas and their crew of 400 were leaving with ore-laden mules and wagons, they were massacred by the Apaches. Supposedly two of the Peralta sons escaped by slipping from their horses and hiding in a crevice. Later they found their way out of the mountains and eventually made the Peralta Stones and various maps which are seen today. How authentic these may be is anyone's guess. So far no one has come up with the gold. The Apaches are supposed to have filled the mine with rocks and hidden all evidence.

Now we come to the legend of the Lost Dutchman Mine. There is much material available on this subject; and it is interesting reading; but, again, how true is whatever you want to believe or can prove. The mine got its name and history about 1892 when an old prospector named Jacob Waltz died after contracting pneumonia. He had been flooded out of his house in Phoenix (They are still having floods there in 1980.) and spent two days shivering in a tree. They called him the Dutchman, but actually he had immigrated from Germany about 1840. At that time anyone who spoke with a Teutonic accent was called a Dutchman. I think they still are.

(continued on next page)

Gold Rushings of 1980 (continued from page 7 )

Waltz apparently had found a source of gold somewhere in the Superstition Mountains and made periodic visits to bring out small amounts of gold. Rumor says that many tried to follow him; but none succeeded.

How he came across the mine is not certain; but many stories are told. They make interesting reading for the armchair adventurer and the serious.

Now, to the most up-to-date information and this is true. This last winter I acquired a paper in Apache Junction containing an article about the Quest Company of California and Florida. They are professional treasure hunters, mainly hunting shipwrecks and reclaiming them. They are more at home under water than in the mountains.

The late John Wayne, an avid treasure hunter, was associated with this company and went on several expeditions using his own yacht.

Having acquired the aforementioned Peralta Stones (These are coded maps carved on stone slabs.) which supposedly showed the location of the Peralta mines, the Quest Company made aerial surveys using sophisticated equipment. They have pictures showing some kind of an ore body but cannot tell if it is gold or silver. It might also be copper. They claim to have drawings and carvings on the rocks still intact. The company has filed claims on the area but have other problems before being able to start mining. It seems that the government has designated the area as National Wilderness Area and comes under all sorts of restrictions. No power equipment of any kind may be used. However, if the Quest Company can submit plans and definite proof of minerals being in the area, they can in time have permission to go ahead with their operation. When the operation is terminated, they have to completely restore the area to its former appearance.

Well, this is the story and as Ripley says, "Believe it or not." Maybe there is gold there in quantity; only time will tell. I, for one, will be watching to find out. It would be interesting to know also if the Lost Dutchman Mine and the Peralta Mine were one and the same.

Thanks for bearing with me. Information for this article was taken in part from several newspapers and magazines.

Two firms building a dam on the Applegate River near Grants Pass, Oregon, a favorite panning site for recreational miners, found more than \$2.5 million in gold ore during the two-year construction project, an engineer says. Vince Steinkamp, project engineer, reported that nearly 5,000 ounces of gold were refined from the ore. He said the gold, valued at \$2,634,846 or an average of \$590.43 per ounce, was refined from gold dust recovered in operations by contractor Peter Kewitt.

via Cleveland Press and The Rock Box

## ONCE UPON A SILENT AUCTION

by Cindi Probst, Pick &amp; Dopstick

Somewhere at our silent auction  
I seemed to've lost reserve and caution,  
Wrote my name on all the bid sheets,  
Went back again for many repeats,  
Attacked old ladies with my pen  
When I was outbid again,  
Walked over babies, knocked down kids,  
While trying to protect my bids.

I hovered over a trilobite  
That would have, if it could have, taken flight.  
I sighed as I fondled a jasper ring,  
Wondering how much it would bring.  
As I raised the bid another dollar  
I could hear a nearby lady holler,  
"I'm going to catch that nutty redhead  
And fill her pockets with a ton of lead."

So I hurried on to the next table  
Where I paused to read every label  
And then heard the last two tables called  
As I stood there, so enthralled,  
You can just imagine my chagrin  
When I learned I'd bought what I brought in!

So our newer members will know a little about the IRMC ANNUAL SILENT AUCTION ...

The Silent Auction is held yearly during the month of February for the benefit of scholarships, both nationally and locally.

It is important that we, as members both old and new, do our utmost to support the auction with our donations as well as to publicize the event to one and all to come prepared to go home loaded with goodies which we have bid on.

Donated items consist of cutting materials, specimens both large and small, jewelry and findings, minerals, fossils, slabs or any other rock-related items.

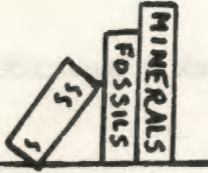
Remember, this is the main fund raising project we hold each year with ALL proceeds going to scholarship funds. As a club, we donate per member to the Midwest Federation Scholarship Fund for scholarships awarded annually to persons at a post-graduate level enrolled in any one of the earth sciences. The remaining dollars raised by our Silent Auction will go towards our "local" scholarship fund, awarded annually to two students at NMU and MTU enrolled in the earth sciences.

This event is an excellent way for beginners to our hobby to start or add to a collection. Both local and foreign materials will be found there.

As always, our Silent Auction is open to the public. Please encourage all your friends, neighbors and acquaintances to attend.

## LIBRARY NOTES

by Ernie Johnson



The librarian's wife has found, over the last few months, that we have "yards" of books in our club library. We are in the process of covering paperback books and book jackets with clear plastic to lengthen each book's life. Bookplates have also been printed and are being inserted in each book.

To complete this job, we need members' help. If the librarian could "borrow" the books members have checked out, the job will be completed by the end of February and the library will be back in business on a full-scale once more.

ESPECIALLY IMPORTANT, the library seems to be "missing" a book! A member, some time ago, has checked out a book without properly adding his name to the list. Would each member please houseclean to see if he has the following book among his treasures:

MINERALOGY OF MICHIGAN  
by E. William Heinrich

Mineralogy of Michigan is a paperback book published by the DNR and is, I believe, a light blue color with a mineral specimen in a pinkish color on the cover. I hope memory serves me right. The book is numbered "54" inside and is properly stamped with the IRMC Club Library stamp. A quick call to me at 228-9422 will let me know the whereabouts of this book.

\*\*\*\*\*

## YOUR ONE AND ONLY EDITORIAL FOR 1981

by Helen Johnson

A really sincere thank you goes to everyone who has helped me put out the JASPILITE this past year... to Dorothy who helped with an awful lot of typing, to Ernie for talking the printer into giving us one-day service because I am late with the issue, to my children for helping to address and stamp many bulletins, to my mother who came down for a game of cards once and ended up licking stamps for over an hour, to ALL WHO SUBMITTED ARTICLES AND COLUMNS, and, last but not least, to all members for putting up with an editor who is so crabby about everyone's meeting the deadline.

1981 -- what a good year to look forward to in the IRMC. The first of many-to-come caricatures by Sally Ahrndt appears on the last page of this issue.

As ever, Olive and Laurence came through with their articles right on time. Arnold Mulzer mailed me his Bits and Pieces column when our January 2 (deadline) meeting was canceled. The Shorts often submit a good story to our bulletin and this issue is no exception. Bruce Spike really got on the ball and lined up a whole year's programs for us for publication.

The Rockin' Round column will have a new byline come April issue. Call Ingrid Bartelli at 226-3762 with all news about our members. She has graciously accepted to collect the information saving me many calls.

So, you see, it is a members' bulletin, after all. Let's make 1981 a year when every member's name appears on a byline.

## IRMC CHRISTMAS PARTY

57 IRMC members gathered on December 14 for a most enjoyable Christmas buffet. As noted elsewhere in this bulletin this was a 90% turnout of local members. Favours graced each place setting. Large beachstones, collected last summer by the Bowns', were painted with trilliums and arbutus by Olive Sain, Jan Ruonavaara and Eleanor LaChance.

Preceding the dinner, Dr. Marla Buckmaster showed slides and spoke on the archaeological dig she is heading for NMU in the Naubinway area. She pointed out to us the uniqueness of the Algonquin Indian townsite and how well it was preserved over the years, further stating that it is only currently that man, with the help of off-road vehicles, are destroying the site. Many artifacts have been collected and catalogued thus far.

Sharon Spike, with help from a couple juniors, distributed exchange gifts.

Bart Bartelli, with everyone's help, drew a total of 47 numbers for door prizes. The first twelve numbers drawn were given centerpieces made by the Bowns' and the Ruonavaaras. They were: Annette Johnson, John Schock, Bernie Kaukola, Jim Procnier, Bob Markert, Bruce Spike, Arnold Mulzer, Amy Roy, Robin Roy, Sharon Spike, Jan Ruonavaara, Marian Markert. The 13th centerpiece was given to Dr. Buckmaster as a speakers' thank-you gift.

Other door prizes consisting of slabs, specimens, etc. donated by the Sains, Markerts and Shorts were awarded to: I. Bartelli, R. Barrington, A. Korby, L. Johnson, D. Mulzer, F. Barrington, P. Elie, E. LaChance, P. Hansen, C. Gutman, E. Jarvi, A. Roy, B. DePetro, P. Procnier, P. Bemis, A. Wiig, D. Garceau, M. Jarvi, D. Smail, L. Schock, C. Johnson, S. Johnson, C. DePetro, A. Jenkins, S. Gutman, F. Tubbs, J. Dunham, L. Sain, D. Barry, Mr. Barry, L. Bartelli, M. Elliott, E. Dunham, E. Johnson, L. Smail, H. Kaukola, H. Johnson, L. Anderson, M. Spike, D. Ruonavaara, F. Garceau.

At the close of the evening, a Christmas centerpiece was presented to Olive Sain by Jim Procnier in appreciation of her year as our president.

\*\*\*\*\*

news from your AMERICAN FEDERATION NEWSLETTER

THE CONCRETIONARY COLUMN by June Zeitner ... Analysis of Mount St. Helens ash have revealed high percentages of silicon, calcium, and iron, and lesser amounts of manganese, copper, aluminum, strontium, potassium and titanium, along with some traces of other minerals. So far spread "fall-out" of the ash itself is not dangerous. Perhaps the biggest fallout is the increasing national awareness of the geology of our nation. The recent earthquake in Kentucky also heightened that interest.

Recent Geological Survey studies indicate that deep under Mississippi Valley lies a rift valley. Dr. Mark Zoback, who is in charge of the investigation, theorizes that the stresses of this weakened area may be reactivated by the westward drift of the continent. The earthquake which caused Reelfoot Lake, Tennessee, in 1812 is the mightiest on record in the United States.



ISHPEMING ROCK & MINERAL CLUB

Presents

the annual

SILENT AUCTION

Sunday, February 15, 1981

2:00 p.m.

Bothwell Middle School  
Marquette, Michigan

- \* Bid forms available at door for all donated items.
- \* Bidding starts with minimum stated on form and advances in multiples of 10 cents.
- \* At the close of the auction, please gather your items along with accompanying bid forms & present to treasurer for payment.

January, 1981

THE JASPILITE  
Ishpeming Rock and Mineral Club, Inc.

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



FIRST CLASS POSTAGE

FIRST CLASS MAIL

TO: *Mr & Mrs C. Robert Markert*  
*Route 2*

208 Bigelow St. (Temp)  
Ishpeming, MI 49849