

MAR 70

THE



J A S P I L I T E

Affiliated with the Midwest Federation  
of Mineralogical and Geological Societies



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

Published quarterly

OFFICERS 1970

President	Laurence Sain	Marquette
First Vice President	Vernon Miljour	Gwinn
Second Vice President	Olive Sain	Marquette
Recording Secretary	Pat Elie	Gwinn
Corresponding Secretary	Mamie Jarvi	Ishpeming
Treasurer	Doris Hughes	Ishpeming
Librarian	Arne & Helen Nelson	Ishpeming
Curator		
Editor - Jaspilite	Claris Smith	Marquette
Publicity		

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

Initiation Fee	\$1.50
Husband and Wife	3.00
Adults	2.00
Juniors	1.00

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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.

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FIELD TRIPS AND GUIDES:

May.....Bob Markert reports an exploratory trip SUNDAY MAY 24,  
(Members are urged to call Bob a week before the trip for further information and registration.)

July.....Elmer Jarvie a trip to the Copper Country.

And maybe a trip to the Stonington Pennisule with Al Murray.



The American Federation

CODE OF ETHICS

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundry lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no wilful damage to property of any kind--fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material--matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock
- I will not contaminate wells, creeks, or other water supply.
- I will cause no wilful damage to collecting material and will take home only what I can reasonably use.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or federation officers, Bureau of Land Management, or other proper authorities, any deposit of petrified wood or other material on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and "Public Image" of rockhounds everywhere.



CONTENTS

	Page
Your President Speaks	1
Upper Peninsula Gem and Mineral Show	2
Sap Stone	3
Petrified Wood	4-5
Name Tags	6-7-8-9
Rockin Round	10-11-12
From Your Librarians	11
Coming Attractions	11
Cleaning Hints	12
Minutes, Jan Board Meeting	13
Minutes, Feb. Board Meeting	14

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*Easter  
Activities*





## YOUR PRESIDENT SPEAKS

First, I would like to congratulate and thank all of the club members for their excellent and generous participation in the silent auction held at our February meeting for the benefit of the scholarship fund. We are rapidly approaching the 200 percent mark with our contributions. It is only through such cooperative efforts that we can achieve all of the goals that we have set for our club.

It is certainly gratifying to see our membership increasing and also our meetings so well attended. Much of this can be attributed to the excellent publicity which we are receiving from the local news media through the efforts of our publicity chairman and her assistants. However, we as club members must remember to invite friends and visitors to attend our meetings as we never know who is a prospective member until he or she understands what we are attempting to promote. Another duty of club members is to make our guests welcome to enjoy our hospitality and don't forget to offer them an opportunity to become members. We are going to need many more active club members.

I would also like to commend our program chairman and his assistants for the excellent programs which are being provided. Programs such as those presented by Chuck Thomas and Lee Larson and Tom Royal certainly add to the interest in the meetings and to the knowledge of all of us. My thanks and those of the club to all of you. Also thanks to the donors of the rock specimens for the door prizes.

Another contribution to program interest must not be forgotten and that is the large and interesting rock exhibits or "bragging displays" which have been presented by members. These certainly add to the meetings and I would like to encourage others to exhibit their treasures.

Manie Jarvi and Doris Hughes are to be complimented on their efforts on behalf of the club in setting up educational exhibits at the C. L. Phelps School. We do need a permanent Educational Committee Chairman. Any offers?

There are a number of events in the not too distant future in which we should all be interested in participating. Check announcements for the following:

1. First Field Trip - exploratory - Leader, Bob Markert.
2. Meeting in April - Ishpeming or Negaunee.
3. Field Trips throughout the summer.
4. Third Annual U. P. Gem and Mineral Show - Escanaba - July 17-19.

Again, thanks for your cooperation. With this kind of participation we can have an active, successful, and enjoyable year.

Rockingly yours,

L. W. (Larry) Sain  
President



UPPER PENINSULA GEM AND MINERAL SHOW

by  
Albert E. Murray and Albert H. Murray

The Third Annual Upper Peninsula Gem and Mineral Show will be held in Escanaba this summer. Plans are going well.

We previously set the dates for July 31-Aug. 2, but because another show will be held on Aug. 1-2 in Minocqua, Wisconsin, we have changed the dates to July 17-19, 1970. The western third of the U.P. is closer to Minocqua than to Escanaba, and the club in Minocqua chose the date before the club in Escanaba. The earlier date will promote cooperation and allow exhibitors and others to attend both shows.

There will probably be four dealers from the U. P. and two to four dealers from other areas for a total of six to eight dealers. We have had inquiries from dealers in the U. P., lower Michigan, Missouri, Iowa, Kansas, Arizona, and California.

Bring or send your exhibit of minerals, gems, jewelry, or fossils. You will have more fun by participating. Exhibitors will be admitted free, every exhibit will receive an Exhibit ribbon and prize ribbons will be given.

The show will be held in the yellow 4-H Exhibit Building at the U. P. State Fair Grounds. This modern steel building has plenty of room, 60 by 160 feet.

Ninety one-page mimeographed announcements or flyers have been sent to rock hobby clubs in the U.P. and northeastern Wisconsin, to some chambers of Commerce, to potential special exhibitors, and to some other individuals. This will be followed in April with several thousand copies of a printed flyer with more detailed information, to rock hobby clubs in the Midwest, exhibitors, and others.

The host club, the Bay de Noc Gem and Mineral Club, Inc., invites you to enjoy the show!!!!!!

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REMEMBER THESE DATES, JULY 17-19

Plan your exhibit now. Come on! Participate!

DUES ARE DUE!! DUES ARE DUE!! APRIL 1st, "DEADLINE FOR PAYING DUES".

(If you don't receive another Jaspilite, your dues are not paid.)



## SAP STONE

by

Jim White

In the beginning I shall say, I have never owned a piece of the material known as sap stone. Further, I have never known anyone who picked up a piece of the material. It is more commonly known as amber.

I became interested while collecting information about superstitions on rocks. Amber is the solidified resin of a pine tree now extinct, which grew in a number of countries including the subtropical climate of the Baltic Sea. It had an aromatic, spicy fragrance that attracted and trapped many types of insects. The sticky substance trapped all sorts of flying objects.

Forty to sixty million years ago the trees of this species grew near the Baltic Sea, and there were trees of the same species in the northern part of the United States. It was only in the Baltic that nature provided the conditions to preserve the much envied fossils. Over 800 species of insects were found in the amber of Prussia alone, most are extinct today.

Amber has a glamorous history. In Biblical times it was used as incense, rosaries and figurines. The Greek name for amber was "electrons" from which we get the name electricity. The Greeks did not understand the nature of amber, thinking it came from sea foam. Rome discovered that it was a sap stone, but we get the name, amber, from a Latinized Arabic word. The Greeks placed a high value on the material and the Chinese and Egyptians used it. It was once used as a medium of exchange. Besides being worn for adornment, beads, charms, etc., they carved cups and other vessels from amber.

Amber is the queen of superstitions. Many women to this day wear amber to ward off goiter. It has many medicinal superstitions that are now classed as fads.

Only 20 percent of the output of the mines is suitable for jewelry and carvings. The remainder of the amber that is too small, dark or has objectionable impurities, is sent to a chemical plant using modern equipment to distill the succinic acid and amber varnish. Russia mines amber extensively, and guards it religiously, keeping all of the local inhabitants away from the mines.

Amber has been found in Denmark, Finland, Sweden and several islands. Sea amber is also found on the coasts of England and the Netherlands. Succinite is high in quality and varies from honey color to deep brown. It was one time thought to be petrified honey.

Petrified honey, sap stone, amber or whatever, I would like to have some in my collection

\* \* \* \* \*



## PETRIFIED WOOD

A history of plant life on earth

by

Bernard R. Smith

Petrified wood has always held a particular fascination for anyone interested in rocks. These preserved remnants of plants that grew on this planet from the beginning of life, record a history of life as it was literally millions of years ago and contain clues to the climate, geology and geography long before written records, or even man himself, existed.

For the lapidary, the beauty and exotic patterns of silica-preserved wood have few equals. Petrified wood has been located in almost every state in the country and most is quite distinctive in appearance. The highly colored woods from the Southwest and Northwest are probably the most highly prized with the fire-opal woods casts of Nevada matching even the best opal of Australia in value. However, the white, black and grey woods from other areas can be of exceptional quality and well worth collecting for specimens and lapidary treatment.

Large areas of forest have been petrified in some areas and are still there for the pleasure of everyone. Perhaps the most famous is in the Petrified Forest National Monument in Arizona. This site contains the largest and most colorful concentrations of petrified wood in the world. Actually the wood in these areas are in the form of large logs that have eroded from the matrix and rolled to the valley floors and are no longer in the form of forests. In the Monument are the remains of six forests, all preserved in beautifully colored agate, jasper and chalcedony. Anyone traveling in the area should make a point of visiting the park. Fortunately, National Park Service rules prohibit collecting and the area is well protected so it will remain intact for the pleasure of all. Petrified wood is available outside the Park at various rock shops that not only sell wood but can direct you to collecting areas.

In contrast to the well protected Petrified Forest Monument, there is, or perhaps was, another petrified forest in the Black Hills of South Dakota, the Cycad National Monument, that was established too late and not so well protected. Now, apparently, the beautiful petrified cycad trees have virtually disappeared. Occasionally, pieces and even small cycads are still found in the adjoining areas. The author had the good fortune to find a small, six-inch cycad bud in the agate fields north of Crawford, Nebraska.

One of the most interesting petrified forests in the United States is located in the northwestern portion of Yellowstone National Park. This area is rugged and mountainous and is between 6,000 and 11,000 feet above sea level. The climate is from temperate in the summer to subarctic in the winter. The forests are primarily conifer with



## Petrified wood----

some hardwoods. Forty to 60 million years ago the area was considerably different, broad flat river valleys and gently rolling hills. The climate was warm to subtropical and the elevation averaged 2,000 to 4,000 feet above sea level. The forests were dominated by hardwoods with a few conifers. How do we know this is true? These and many other details of the conditions that prevailed are recorded in the ancient petrified forests preserved in Specimen Ridge overlooking the Lamar River.

The fossil forests of the Lamar Valley were discovered in the 1870's by W. H. Holmes. In a report to the U.S. Geological Survey made in 1879, Holmes wrote "the bleached trunks of the ancient forests... stand out on the ledges like the columns of a ruined temple." Recent explorations have verified no fewer than 27 distinct layers of petrified trees that have been exposed. These layers cover a period of over 20,000 years of alternating periods of volcanic activity and forest growth. The trees are present in a layer about 1,200 feet in depth.

Over 100 different species of plants have been identified from the Lamar fossil beds. About three quarters are hardwoods and the remainder conifers, ferns and other non-flowering plants. The most numerous species apparently were sycamores, walnuts, magnolias, chestnuts, oaks, redwoods, maples, and dogwoods. Also fairly common were figs, laurels and bays, usually associated with today's tropical forests, and Oriental katsura trees, breadfruit, and Asiatic chinquapin trees, all extinct in North America now. Climbing ferns, pines, soap berries, hickories, bay berries, elms and willows have been found in lesser quantities.

A recent issue of Lapidary Journal carried an interesting article on the occurrence of another highly prized petrified wood, Tempskya, in North Carolina. Tempskya is a beautiful petrified wood that was first described from the Elbe River in Russia by Corda in 1845. The first specimen from the U.S. was found by E. W. Berry in 1911. Since then Tempskya has been found in almost all of the western states. In the east it was previously reported only from Maryland.

The study of petrified wood could be a life work in itself, so the ordinary rockhound must be contented to enjoy the pleasure of occasional contact with these solid records of the Earth's past.

## References

- Dorf, E., The petrified forests of Yellowstone Park, Scientific American, Vol. 210, No. 4, 1964, 106-113.
- West, W. R. Tempskya in North Carolina, Lapidary Journal, Vol. 23, No. 11, 1970, 1552-1556.



NAME TAGS

In the December 1968 issue of the Jaspilite, it was proposed that, as a project, each member of the Ishpeming Rock and Mineral Club make a personal name tag to wear at all Club functions. Later a committee was formed to conduct a contest with prizes for the best tags. Unfortunately, there seemed to be little interest last year and the project died. Interest has been renewed this year and the contest has been revived. Many members have been displaying the results of their imagination and handiwork at recent meetings. Throughout this issue are sketches of the various name tags provided by Chris Miljour.

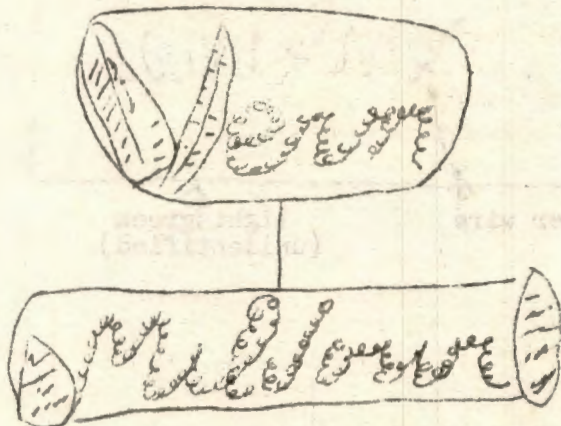
The rules of the contest were listed in the March 1969 Jaspilite, but are repeated here for the benefit of new members.

There will be three awards, one each to a man, woman, and junior member. Judging will be based on originality, workmanship, beauty, and visibility or legibility of the name. First names, nick-names or full names will be acceptable. Initials only will not serve the purpose of the contest.

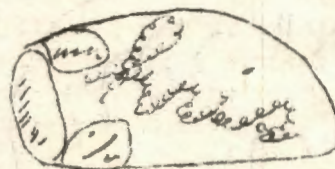
Name tags must be made from rocks, minerals, fossils, metalcraft, or materials generally connected with the hobby, although backgrounds of wood, plastic, etc. will be acceptable.

The committee, Bernie Smith, Bob Markert and Gaylord Anderson, will act as judges and during the year will select the three to five best in each category and these will be presented to the membership at a later meeting. Any out-of-town members that wish to enter may do so by submitting their entries by mail to the committee.

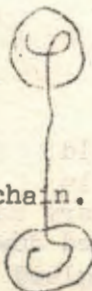
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Rectangles of thin black banded magnetite, Name glued in jewelry chain. Gem stones of tiger eye. Attached to a bolo type pin.

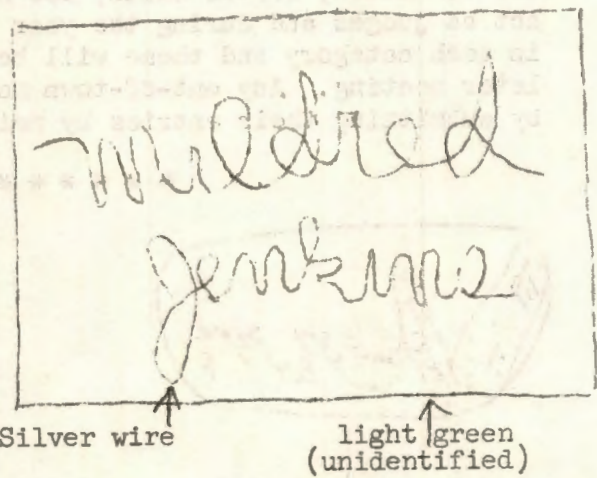
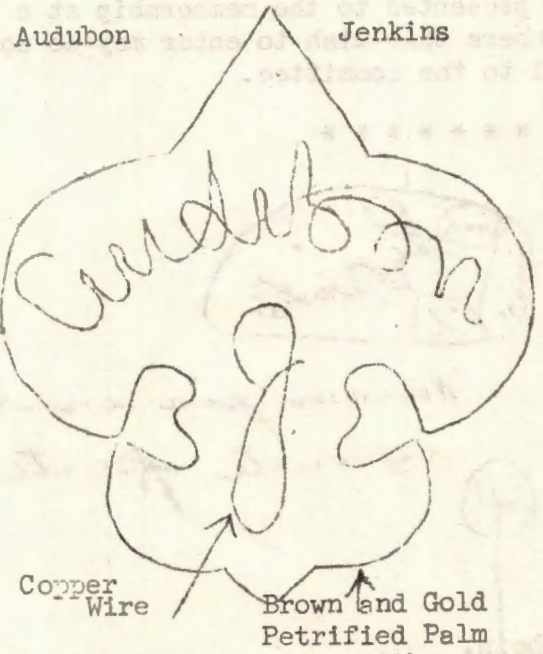
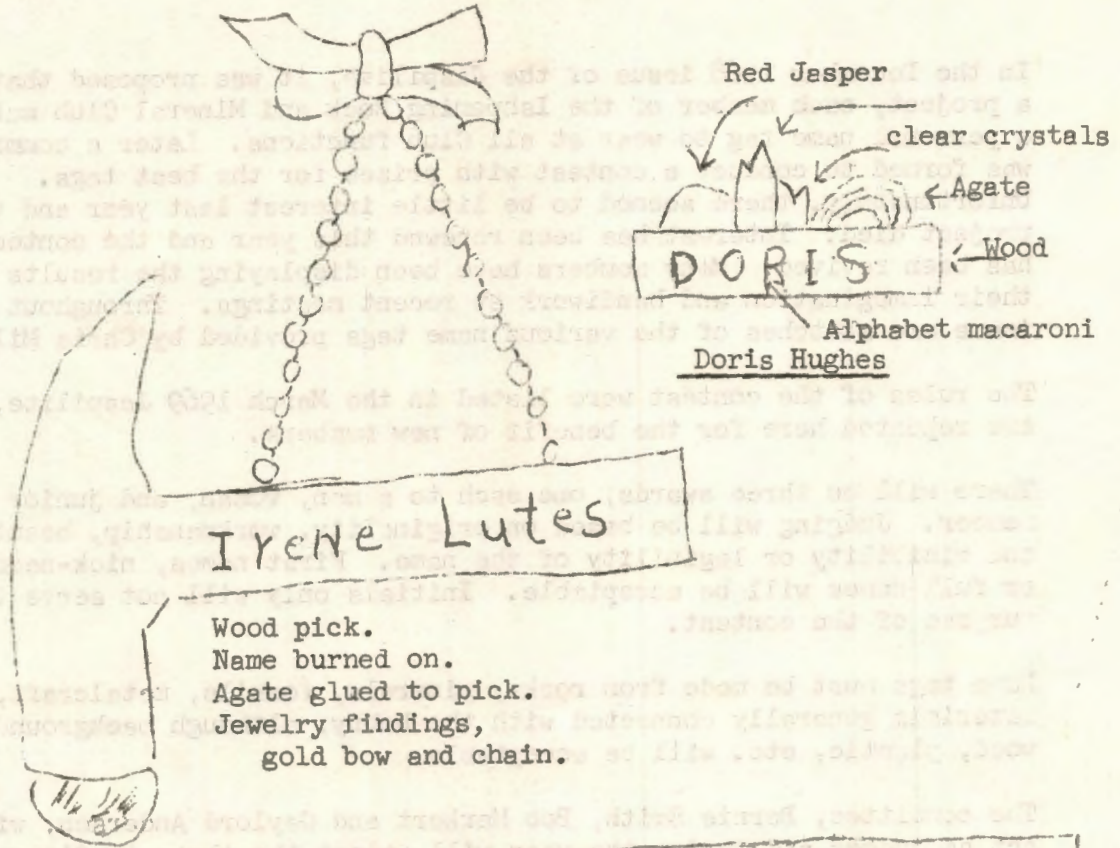


Woman's pin in two separate parts





Name Tags----- sketches-----by Chris Miljour



Audubon formed names with very small pliers. Wire is glued down with epoxy glue, then clamped down firmly with wood block. Pin back with safety catch glued to backs of gem stones.



Name Tags---- sketches --- by Chris Miljour

Marlene Brunngraeber



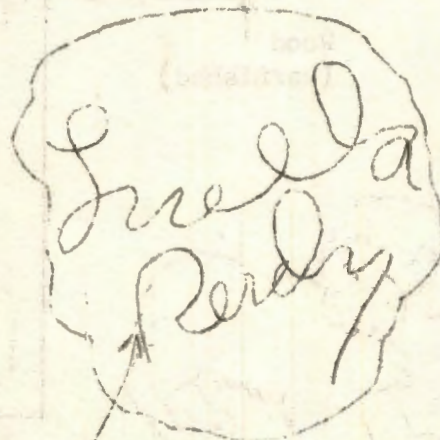
1. Thomsonite Green.
2. Copper
3. Bacon Agate
4. Thomsonite Pink
5. Bay Furnace Slag
6. Jasper, Marq.
7. Unikite
8. Keweenaw Agate
9. Lake Superior Agate

Colorful, polished rocks glued on paper

Plastic covered Paper name tag.



Polished pebble



Copper wire, Montana Moss (slab)

Leather

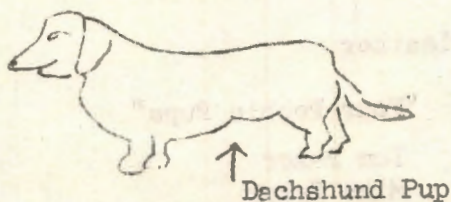
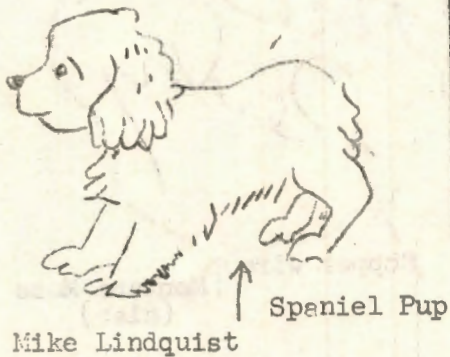
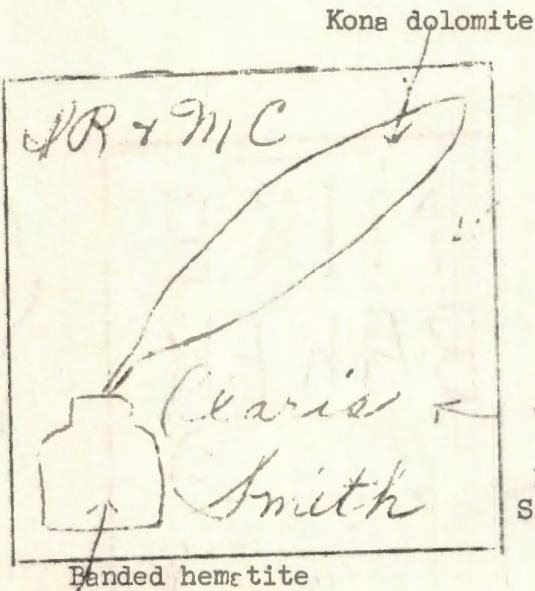
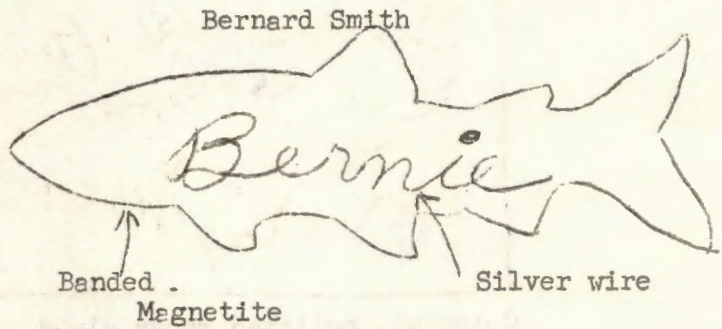
"Four Pebble Pups"

- Tom Baker
- Mike Baker
- Mike Lindquist
- Mike Beanchi



Name Tags --- sketches--- by Chris Miljour

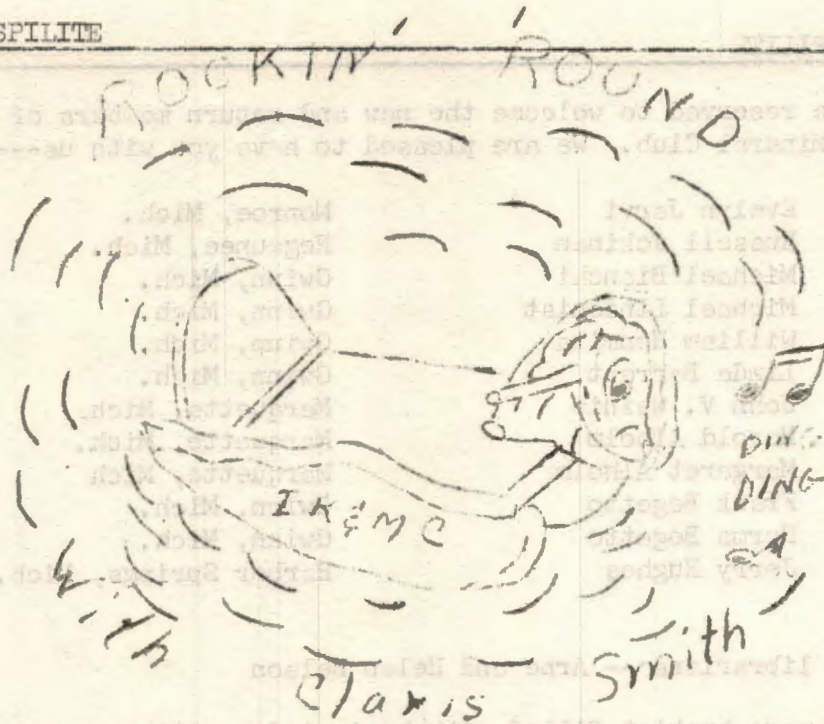
Marian Markert



Mile Bianchi

Each "pebblepup" has his name and very own pup drawn on leather plus attached Lake Superior shiny pebble.





Welcome sweet springtime! The ice and snow is leaving the country side but not fast enough. Soon that first Field trip will be upon us and we hope that all of you will be ready with rock pick in hand!

We hear that the Markerts and the Nelsons will be attending the Green Bay Show. Wish we could be there too.

February door prize winners were: Tom Baker, Cherlye Johnson, Helda Jacobson, Helmie Osterburg, John Waino and George Ruska.

March winners were Chris Miljour, Helda Jacobson, Royal Elie, L. Sain Mike Bianchi and Linda Barrett. Congratulations. These prizes were given by Elmer Jarvie and Bernie Smith.

Bob Markert reports plans for the Mid-West Field trip July 21-24, 1972. Thursday -registration, Friday--Board meeting, Sat. and Sun.-Field trips, Mon.-Rock swap. We will ask some of the local clubs to put on a meal, also ask the Copper Country Club and Picture Rock Club to help out.

Don't forget the April 3rd. Board meeting at the Sains!

Watch the papers for more information on the regular club meeting April 19.

We recently read that Glenn C. Gregg, former Gwinn resident who is a member of the I.R.&M.C., was honored recently by the Michigan Recreation and Park Association. Glenn was presented with the association's fellowship award for "his many years of outstanding service in the field of recreation."

Floyd Mortenson, another associate member of our Club, has been keeping busy during the winter writing for the Mobile Home and Trailer News.



This space reserved to welcome the new and return members of the Ishpeming Rock and Mineral Club. We are pleased to have you with us----

Evelyn Jarvi	Monroe, Mich.
Russell Jokinen	Negaunee, Mich.
Michael Bianchi	Gwinn, Mich.
Michael Lindquist	Gwinn, Mich.
William Henmila	Gwinn, Mich.
Linda Barrett	Gwinn, Mich.
John V. Wainio	Marquette, Mich.
Harold Alholm	Marquette, Mich.
Margaret Alholm	Marquette, Mich.
Frank Bogetto	Gwinn, Mich.
Norma Bogetto	Gwinn, Mich.
Jerry Hughes	Harbor Springs, Mich.

From your librarians -- Arne and Helen Nelson

A new 110 page booklet filled with basic information concerning Michigan mineral resources has recently been released. It is put out by the Department of Natural Resources and is called "Our Rocky Riches". It covers Michigan Geology, rocks, minerals, metals and fuels. For a copy of this interesting booklet send 50 cents to the Publication Office, Dept. of Natural Resources, Lansing, Mich. 48926

The Michigan Dept. of Natural Resources has another fine booklet for sale. It is called "Meteorites in Michigan". It may be obtained by sending 40 cents to the above address.

Bulletin No. 1042-5, "Gemstones of the U.S." is a fine Geological Survey booklet. Just write and send 15 cents to: Superintendent of Documents, U.S. Printing Office, Washington, D.C.

#### COMING ATTRACTIONS

- April 3-- I.R.&M.C. Board of Directors Meeting at L. Sain residence  
818 W. Kaye Ave., Marquette, Michigan.
- April 4-5 Peru YMCA Rocks and Minerals Club Show  
Peru National Guard Armory, Peru, Indiana
- April 4-5 Illowa Gem and Minerals Society Show  
YWCA, 1730 5th Ave., Moline, Illinois
- April 4-5 Fulton County Rockhounds Show, Wallace Park Recreation  
Center, 250 South Ave. D, Canton, Illinois.
- April 11-12 Neville Public Museum Geology Club Show, WBAY Auditorium  
115 S. Jefferson St., Green Bay, Wisconsin.
- April 18-19 Siloam Springs Earth Science Club Show  
St. Mary's Academy, Mount Streling, Illinois.



Coming attractions, cont.---

- April 19--- Regular Meeting of the I.R.&M.C. in Ishpeming -- Watch the local newspaper for details.
- April 24-26 Corn Belt Lapidary show, Eastland Shopping Center, Bloomington, Illinois.
- May 16-17 Lincoln Orbit Earth Science Club Show  
State Fairgrounds, Springfield, Illinois.
- May 23-24 Cuyahoga County Gem and Mineral Show, "Rockrama"  
Cuyahoga County Fair Grounds, Beres, Ohio (Note! entry blanks available from the Jaspilite editor.)
- May 16-17 Charles City Rock and Gem Club Show, Floyd County Fairgrounds, 4-H Building, Charles City, Iowa.
- May 24-- I.R.&M.C. Field Trip -- Exploratory - Bob Markert, Leader
- June 18-21 American Federation & Texas Federation Show  
Tarrant County Recreation Center, Fort Worth, Texas.
- July 17-19 THIRD ANNUAL UPPER PENINSULA GEM & MINERAL SHOW  
U.P. FAIRGROUNDS' 4-H BUILDING' ESCANABA; MICHIGAN
- July 23-26 MIDWEST FEDERATION SHOW, Minnesota Auditorium,  
Minneapolis, Minnesota.

Your editor wishes to express her thanks for all of the get well wishes and to apologize for the delay in publishing this issue of the Jaspilite.

We also would like to thank everyone who contributed to this issue, but remind you not to give up now, the deadline for the next issue is June 1. Please keep the articles coming.

#### Cleaning Hints ----

Algae and lichen can be removed from specimens by soaking in a solution of ammonia and water, then brush and rinse.

For water soluble minerals clean in alcohol, and borax minerals can be cleaned with mineral oil.

The red and brown stains on quartz can usually be removed by soaking in a solution of oxalic acid. The same acid will clean Fluorite.

Soak pyrite and Marcasite in a solution of oxalic acid, using 2 oz. of acid to 1 quart of water.

Clorox, used full strength, or a weak solution of oxalic acid will work well on carbonate Minerals.

\* \* \* \* \*



JANUARY 9.....Board meeting at R.R. Anderson's

Present: Nelson's, Miljour's, Sain's, Pat Elie and Doris Hughes,  
B. Smith.

Minutes were read and approved on motion by Ray seconded by Arne.

Treasurers report was accepted on motion by Laurence seconded by Vern.

Standing committee reports:

Program--Vern offered to put on a slide presentation of their Murdo trip. He will do the January program.

February--a silent auction.

Will contact Lee Larson and Cuch Thomas to do a program.

Membership--Hope to work up a brochure on our club. Everyone needs to help encourage interested people to join.

New Business:

Discussion included the possibility of having lapidary workshops in members homes, these may be on identification or lapidary problems; activities are needed to bring members together; continue the name tag contest, and have door prizes for each meeting.

Members were signed up to provide door prizes for the greater part of this year. Three prizes were suggested--Junior, woman and man.

January--Sain

May-----Anderson

February-Smith

September-Nelson

March----Jarvi

October---Elie

April----Miljour

Pat Elie and Christine Miljour will be hostesses for January.

\*\*\*\*\*  
POISON!! POISON!! POISON!!

A plea! Please do not carelessly throw away the spools or anything from a Polaroid camera! On them are a deadly poison ... "CYANIDE".  
A plea from a National Forest park ranger stated that these things are killing the chipmunks and other animals that come upon them.

These things never lose their potency. There is also the danger of some child coming upon them. So remember -- see that they are carried to a SAFE Zdisposal.

Tule Smoke Signals-  
via Breccia-The Gemrock-The Bulleton-  
Serebduoutt Gems-S.I.E.S. Club -  
and Rock Trails

\*\*\*\*\*

The smile on your face is the light in the window that tells people /  
you are home. via-The pick and Shovel



FEBRUARY 6, 1970 IR&MC Board Meeting at Doris Hughes:

No minutes to be read as the secretary was out of town.

Old business:

Mamie Jarvi reported on progress made on setting up a rotating display of rocks and minerals in a display case in the cafeteria of the C.L. Phelps school in Ishpeming. It is a locked case. Displays will be put in and taken out by a member of the display committee. The first group of minerals will be from the Champion mine.

Committee reports:

AUDIT of treasurer's books accepted as reported by the audit committee--Ray Anderson, Rufus Maynard, and Laurence Sain. They suggested that one of our members who has a safety deposit box in the Peninsula Bank be contacted about keeping our Detroit and Northern certificate in their box.

Program: Vern reported that Lee and Chuck will do the Feb. program. Their topic--Elementary identification of rocks and minerals. There will be a silent auction and then if time permits slides will be shown on "Stones in Religion". He has ordered slides for the coming months but is also contacting someone to do a program on the rocks and minerals at the Champion mine, and one on collecting, cleaning and identifying fossils.

Membership: Approved the membership applications of 2 adults and 2 juniors on motion by Ray seconded by Vern. They are Linda Barrett, Willicm Hemmila, Mike Lindquist, and Michael Bianchi of Gwinn. Mailed an application blank to Harold Alholm, Marquette.

Librarians: Nelson's reported that they would be happy to bring bulletins to meetings for members to take out on loan until the next meeting. Would also be willing to take care of magazines, books etc. on our hobby if members have some they would like to donate.

New business:

Appointed to the Budget and Finance committee Ray Anderson, Elmer Jarvi and Doris Hughes; Ray as chairman.

Asked Vern, Ray and Elmer to conduct the silent auction. Vern as chairman. Moved by Ray, seconded by Elmer that a check for \$10. be sent to The March of Dimes as pledged on the Telethon.

Announced that the next board meeting will be Friday, March 6 at Markerts or Sains. The regular meeting will be held the 3rd Sunday, March 15, with Edith Anderson as Hostess.

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'DON'T FORGET THE GREEN BAY SHOW' April 11 and 12. Plan now to attend!

(We will have a display at the Green Bay Show.)



PRESENTS THE THIRD



# Rock, Gem & Mineral Show

## April 11-12, 1970

SATURDAY · APRIL 11 · 10 TO 10 & SUNDAY · APRIL 12 · 10 TO 5

**DEMONSTRATIONS**  
**SILENT AUCTION**  
**SWAPPING**  
**DEALERS**

ADMISSION: ADULTS 25¢ CHILDREN 10¢

# WBAY Auditorium

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# Midwest Federation's NEWSLETTER



Published monthly except July & August as a Service to Member Clubs  
Editor: Haydon Peterson, Route 5 - Box 229, Des Moines, Ia. 50317

Issue No. 101 - January 1970

## IOWA'S YUCATAN CAPER

-by Ed Hix, State Director for Iowa

In June of 1969, a years efforts culminated with an Iowa Rockhound, Ken Carley, presenting over 100 specimens of mineral, fossil and artifacts to the State Museum at Merida, Yucatan. This all started in June 1968 when Ken, a member of a Des Moines club was vacationing in Yucatan. When it was learned that he was from Iowa, the "Red Carpet" was rolled out and it was then explained to him that Iowa was their "sister state" under the Partners of the Alliance. These people were very proud of the fact that they were chosen by the State of Iowa.

A plan was then conceived to do something for these people. On returning home, with the thought that perhaps the Des Moines clubs would be willing to cooperate on this project. At the ensuing meeting the State Director was involved in the plan and asked to make this a project for all clubs in the state. Letters to all clubs were sent out explaining this exchange and asking for labeled material from their areas, keeping in mind the fact that these would be placed in the State Museum in Yucatan.

This material was sent to Des Moines where the Director and Curator of the State Museum selected the best for shipment. Through the concentrated effort of many individuals and most of the clubs of the state, over one hundred museum pieces were shipped to the southern tip of Mexico, Yucatan, our "sister state".

The Partners of the Alliance have reached thirty-five states and their counter parts in fifteen Latin American countries. All projects, approved by the Partners of the Alliance Committee must be exchangeable, in that it must be possible for the people of the "sister state" to do something in return. Their brochure states "the Partners program is a channel through which com-

## NEW SLIDE PROGRAM ADDED TO MWF LIBRARY

"Field Tripping in Illowa Territory" is the title of a new slide program being added to the MWF library and ready for immediate booking. The program covers eleven locations in Iowa and Illinois and is the result of one man's ardent and earnest work so that others might enjoy the places and the things to be found in these areas. This man is Richard Johannesen a member of the Illowa Gem and Mineral Society.

Our Program Chairman, Mary Anderson says, "If, after you have seen this program you don't want to go home and put on your hunting boots, pick up the ole rock pick and all those other gadgets we all take along and head for these two tall corn states, then 'man you ain't no rockhound'".

When you order, ask for "Field Tripping in Illowa Territory".

community organizations, business, professional, educational, labor unions, service groups and even private individuals in the United States can work directly with the people of their "sister state".

The following are the states and their partners: Illinois: Sao Paulo, Brazil; Indiana: Rio Grande do Sul, Brazil; Kansas: Paraguay; Michigan: British Honduras; Minnesota: Uruguay; Missouri: Para, Brazil; Ohio: Parana, Brazil; Wisconsin: Nicaragua.

Any state wishing to engage in an exchange of this type can get information on the Partners of the Alliance Committees for their state from National Association of the Partners of the Alliance, 1518 K Street NW, Washington, D.C. 20005.

I feel that this is one of Iowa's finest projects and hope other states will follow our footsteps.



## JUNIOR ACTIVITIES COMMITTEE FORMED

The continued success and effectiveness of the Midwest Federation is dependent upon what action we take now to interest, stimulate and advise our Juniors. Today's Juniors will be tomorrow's leaders of the Federation.

Much publicity is given to the so-called generation gap with little emphasis on corrective actions that can be taken. The accelerated pace of the 1970's will find additional stresses being placed on both adults and juniors.

In keeping with this year's theme of "Conservation", it is our responsibility to educate, assist and train our Juniors in order to adequately prepare them for the tremendous task of leadership in the future. They must learn to wisely use our natural resources without wasting them. The challenge is ours... we who are interested in the earth sciences have an excellent opportunity to help the world of the future to be a better place in which to live. This can be accomplished by our Juniors only if we recognize our responsibility as adults and offer our assistance to them.

The new Junior Activities Committee has undertaken the task of organizing material for use by clubs throughout the Midwest Federation. Plans are being made to cover the following areas:

1. Stimulate adult clubs to consider forming junior groups within their organization. Adult leadership is essential either directly or indirectly to support junior activities.

2. The preparation and distribution of a Midwest Junior Manual will be accomplished as quickly as possible.

3. Earth Science Magazine will be publishing a book which is designed to provide course material to aid junior clubs.

4. Juniors will be encouraged to write articles for their club bulletins; give short lectures at adult meetings; exhibit at shows both local and regional; learn good safety habits; learn the proper identification of specimens.

If you are interested in forming a Junior

## CLUB DOINGS

MEMBERS OF THE SIOUX EMPIRE GEM AND Mineral Society of Sioux Falls, S.D. met recently at South Dakota State University at Brookings, to sort, clean, label and prepare for display a mineral collection which was left to the University.

REPRESENTATIVES FROM MISSOURI GEM AND mineral clubs and the State Geological Survey of Missouri are working together to have joint exhibits at the Missouri State Fair at Sedalia beginning next year. State Director for the MWF, Marie Stingley, acted as a coordinator for the clubs, with Dr. William Hayes, State Geologist presiding. Oliver Roskam was acting chairman for the rockhounds. Missouri clubs are also working for a state rockhound park.

### JOANNE CLINE OF THE MENTOR, OHIO

Lake Shore Mineral and Lapidary Society was the speaker for Rock Day at the Cricket Lane Elementary School, Willoughby. She featured fluorescents and gave each child a tumbled stone to keep. Specimens were passed for the partial-sighted children to feel.

### RUSSELL GREER, STATE DIRECTOR FOR MICHIGAN

conducted a well attended and informative Cracker Barrel session at the Detroit Armory in connection with the annual show of the Michigan Mineralogical Society. Michigan clubs agreed that a safety chairman should be appointed in each club and that judges and exhibitors meetings should be sponsored in various parts of the state.

### "STATE DIRECTORS"

is the new name by which the former "State Vice Presidents" were known. Each "State Director" will have assistants as did the former "State Vice Presidents".

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Group within your club or have any ideas or suggestions which could be used by the committee please contact Patricia Yoblin, Junior Activities Chairman, 8300 Parkview Road, Greendale, Wisconsin 53129.



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Issue No. 102 - February 1970

## WELCOME NEW CLUBS and Individual Members

### OLD CAPITOL GEOLOGICAL CLUB

Mr. Dean Andersen, President  
851 Dearborn Street  
Iowa City, Iowa

### KEN-ROCK-GEM AND MINERAL SOCIETY

Mr. Carl Dach, President  
Meridian Road  
Rockford, Illinois

### NEW ULM GEM AND MINERAL CLUB

Mr. James Pederson, Pres.  
905 S. German Street  
New Ulm, Minnesota

Individual Member

Mr. Robert Stacy Romalewski  
519 Sybil Street - Room 307  
Ann Arbor, Michigan

## GEOLOGY

-by Dr. Willard Parsons  
Geology Division Chairman

I have tried to act as liaison between the clubs and the professional geologist. I'm both a professional geologist and a collector, and I'm still very much interested in this aspect of it, kind of a liaison between the geology-mineralogy profession and the Federation and similar groups.

I got some answer in September as to what I could do. I was over in Ireland on a field excursion as a part of a professional symposium, we spent a week in Belfast in northern Ireland taking field trips around the area, which was specially arranged by geologists. But, the local members of the Belfast Mineralogical Society had been invited to attend any of the trips

## APPRENTICE JUDGES

In continuing its program for training members to judge competitive exhibits, the Midwest Federation will use apprentice judges at the 1970 Midwest Show to be held in Minneapolis, Minnesota, July 23-26, 1970.

The apprentice judges' scores will not be used in the official scoring... they will be for training purposes only.

For those of you who are seriously interested in learning to judge, here is a fine opportunity. You will be working on exhibits that are in actual competition, and you will be able to compare your scoring with that of the official judges.

For further details write to: Carroll Kelley, 7720 No. Mississippi Lane, Minneapolis, Minnesota 55430. Enclose a note of approval from your club president and indicate which classes you would prefer to judge.

they wanted to come on. I was amazed at the activity of this Belfast Mineralogical Society. They are a group like anyone of the clubs of the Federation, but the interest is more on Geology than on collecting. They hold a field trip on the average of once every two weeks around Belfast and they sponsor two trips a year to Great Britain. This year they went over to a location in the central part of England for the week end not just to collect, but to study the local geology. On some of these trips they get local geologists, on many they are self-lead and self-taught.

There is an understanding not only what kind of rocks are there, but how they got there and what rocks mean. They have a membership of some 200, from all walks of life, as is the case here. Their membership looks like ours.

-continued on page 2



I talked at some length with one of the members and I learned that a majority of them are interested in looking at and understanding geologic features more than just collecting.

I think my committee can work with the Paleontology and Mineralogy committees to promote understanding of local geology. We hope to be able to help people understand what they are seeing, not just collect what they are seeing.

This has a lot of advantages. It opens up a lot more territory for field trips, many road cuts and rocky hills, because there are plenty of places you can go without worrying about obtaining permission for a quarry.

In most of the Midwest areas you have glacial deposits. At first glance these are dull and many of us think these are deposits that cover up the rocks but there are things of interest. Understand how some of these things got there. What is the difference between a terminal moraine and an outwash plain? How can you tell when you are just driving by? How can you tell which one you're on by the vegetation? For example, most orchards are on outwash plains rather than terminal moraines because of the drainage. You can tell by the clay dirt along the side of the road when you are driving through moraines. With a little practice you can see it. You don't have to be a geologist to understand this and it makes trips much more interesting.

This is the kind of thing I am going to emphasize and get out some kind of written matter that can be passed to the clubs, suggesting things they can do and suggest specifically that they take at least one trip this year to study glacial features. I think at first you have to get aid from a Geology Department. Beyond that you will probably find a person or two in your club that has had a geology course and can work up a local trip. Here we have study groups, who can help plan and organize geology trips.

The opportunity to look at localities exists here, perhaps not everywhere do we have something as spectacular as the Grand Canyon or Yellowstone Park, but in all of the Midwest states there are very interesting geologic locations where various kinds of rocks are exposed. For example- the Wisconsin Dells - why does the rock

look like it does? Why do the dells look different from most of the rock around?

You don't have to knock it down or hammer on it to get the answer to it. You have to observe it and have a few things pointed out to you. This I think can make for a very interesting kind of a field trip and add a great deal to the interest we already have. I think you should get a geology department or an individual to help you. Some are willing to work with you. Ask if they will help!

## SCHOLARSHIP REPORT

-by Katharine Steinbrenner

Congratulations to the following clubs who have reached new goals in the Scholarship project.

200%

Nishna Valley Rock Club of S.E. Iowa - Iowa  
Kyana Geological Society - Kentucky

300%

Lake County Gem and Mineral Society - Illinois

400%

Chicago Rocks and Mineral Society - Illinois

When you send in your Betty Crocker coupons will you please be sure and include the name of your club, your name (the sender), your street address, your city, state and zip number. And we would appreciate it if you would count your coupons and cut them from the box top. We need only the coupon. Thank you so much!

## FIRE IN THE SKY

is the title of a special program being presented by the Michigan State University in East Lansing, Michigan at the Abrams Planetarium during February. Program deals with sub-atomic particles which cause the aurora, small meteoroids which produce common meteors, larger meteoroids which result in brilliant fireballs and meteorite fall and, finally, very large objects which produce explosion craters on the surfaces of planets such as Earth, Mars, the Moon, etc. In addition to the program, the planetarium will house a special exhibit of meteorites.



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## THE 1970 MIDWEST CONVENTION IS TAKING SHAPE

The Twin Cities are not only the home of such enterprising companies as 3-M and Honeywell and Brown & Biglow and Pillsbury flour; they are also the home of the Minnesota Mineral Club, which is just as enterprising in its preparations to be host to the 1970 Midwest Federation convention and show on July 23, 24, 25 and 26. A visit in St. Paul with the chairman and some of his committee heads late in January indicated that the club is full of enthusiasm for the show and is well advanced in its planning.

It shapes up as a show worthy of one of the largest and most active groups in the Federation. The meeting place is ideal... a huge municipal auditorium in the heart of the Minneapolis business district and close to freeways. The new auditorium is air conditioned and so large that it will be possible to hold all convention affairs on ground level. The club has contracted for 46,000 square feet of space, which is more than an acre, well lighted and with plenty of electric power for lighting displays and powering demonstrations. If needed, more space is available.

Contracts have been made with 34 carefully selected dealers from all over the country, including several new to conventions in the Midwest, and with three machinery manufacturers and 12 wholesalers. Space will be divided off with air walls to isolate the wholesalers and to provide a soundproof places for convention meetings and lectures. Loading docks along one side will make it convenient for dealers and wholesalers to bring in their material.

The central core of the exhibition space will be reserved for competitive exhibits, and special and educational exhibits will be given a place of honor at one end of the central area.

A large and well operated cafeteria adjoins the exhibition space to provide visitors with convenient meals of their own choice. The banquet will be held on the Saturday night, July 25, of the show in a large room on the mezzanine floor. The banquet will be catered by the operators of the cafeteria.

A number of special exhibits including carved flowers, sand paintings, exhibits from the Smithsonian and Lizzadro museums, and displays of precious stones have been promised, and some new and never-displayed surprises will be

## YOUR BUDGET NEEDED

Executive Committee state directors and chairmen should submit their budgets to the Federation Treasurer, B. G. Dahlberg, 5744 Standish Avenue, Minneapolis, Minnesota 55417, at once so that he can report his budget to the Committee at its spring meeting.

announced later. Security plans are in the hands of a professional company.

Arrangements are being made to provide space for campers on the outskirts of the city and for bus service to link this area with the auditorium. It is likely that a swap session will be in continuous operation at this outlying area. Arrangements for field trips and tours of mineral-related industries are being arranged with the Minnesota tourist bureau and with local industries.

Armin Steinhauser is general chairman of the show. His address is 1571 Raymond Street, St. Paul, Minnesota 55113, and Rex Webb, 2600 87 1/2 Street, Bloomington, Minnesota 55431, is co-chairman. Application for space for the special, educational and competitive display space should be made to Mrs. Marion Anderson, 3749 47th Avenue South, Minneapolis, Minnesota. The show will have, according to my notes, room for nearly 500 exhibits, and the Minnesota Mineral Club will build a number of cases for those exhibitors who can not provide their own.

All signs point to a show that will challenge the best of the past, so mark your calendar and oil up the car or camper for the trip. Minneapolis is a summer resort; in July it should be delightful.  
-Russell P. MacFall

## THE ARCHIVES COMMITTEE

and the Historian are appealing to all clubs in the Federation to see that a history of your club is in the files. We hope at some time to publish histories of all affiliated clubs and feel that no club would like to be omitted from such a publication. If your club has not sent in a recent history will you do so as soon as possible. Send your history to the MWF Historian, Elsie Popejoy, 410 Grant Street, Normal, Illinois 61761.



## THE AFMS SCHOLARSHIP FOUNDATION

The establishment of the Foundation was authorized in the By-Laws of the American Federation of Mineralogical Societies many years ago.

### ORGANIZATION

The Foundation was incorporated as the AFMS Scholarship Foundation, Inc., a Minnesota corporation, on March 18, 1964. A tax exemption certificate was obtained from the Internal Revenue Service on November 6, 1964.

Members, the equivalent of stockholders in a commercial corporation, are the directors and officers of the American Federation, 18 in number.

A board of directors is elected by the members. The vice president of the Foundation is automatically a director... others (six, at present) are elected at large by the members. The board has the management of the Foundation.

The board elects a president, a treasurer and a secretary, each for two-year terms, staggered to insure continuity of management. The president of the Federation is always the vice president of the Foundation. The Foundation, while an independent corporation, is entirely in the control of Federation personnel.

### PURPOSE OF THE FOUNDATION

The object of the Foundation is to accumulate a fund, the income from which is to be used to finance scholarships. The principle cannot be spent for any purpose whatever, hence the usefulness of the fund is perpetual.

### AWARDS TO BENEFICIARY STUDENTS

Each year, 1965-66, 1966-67, and 1967-68, one student received two annual grants to help him achieve a master's degree in any of the earth sciences.

As the fund, and hence the income from it, increased, the grants were increased, and in subsequent years, more students received grants.

The first, to Victor Lee, (Colorado School of Mines), was for two \$300 grants. The second, to Richard Bideaux, (Harvard University), was for two \$400 grants. The third, to Robert Cook, (Georgia University), was for two \$500 grants. The fourth (year) there were two students... William M. Dalness, and Stephen B. Olmore, both University of Utah and each received one \$500 grant, whereupon their Master's work was completed. For the current school season, 1969-70, one additional student will be selected to receive the unused portion of the two-year awards made the fourth year. This same season, 1969-70, three additional students received awards... Byron Ristvet, (Northwestern University), two \$500 grants; Alan F. Edwards, (University of Oregon), two \$500 grants; Robert Rich, (Harvard University), two \$500 grants.

Grants are restricted to graduate students to avoid expenditure of money on students who are not committed to earth science subjects. Any student working toward his master's degree is presumed to have decided to follow that field for his lifetime vocation, insofar as such decision is possible. Since our joint interests lie in that field, grants are restricted to earth science students.

### SELECTION OF BENEFICIARY STUDENTS

Annually, each of the six regional federations, thru electors appointed by the regional officers, selects two persons of prominence in the earth science field. From among these 12 persons the Foundation's jury of awards selects one name. That person, normally associated with a prominent university or college, selects the schools, and the students, who are to receive the grants.

This indirect method serves our purpose perfectly in that it benefits needy students, yet avoids the enormous task and expense of receiving, sifting and evaluating applications from hundreds or thousands of applicants which would otherwise be necessary if selection were made by ourselves in the conventional manner.

### THE FUND

The scholarship fund, stands at approximately \$75,000. With the exception of a few hundred dollars received from outside organizations, the entire amount has been donated by earth science clubs and societies thruout the entire nation, and by individual members of such groups.

100 Percenter Certificates are presented to those clubs whose gifts equal \$1 per member. 200%, 300% etc. seals, for attachment to the 100 Percenter certificates, are presented when such status has been reached, while plaques are presented when 500% and 1000% status has been achieved.

Betty Crocker coupons, (General Mills products), are accepted and turned in to General Mills at 1/2 cent each. Approximately 10 percent of the fund comes from this source.

### GIFTS

All gifts to the AFMS Scholarship Foundation are tax-deductible to the donor. Gifts should be sent to each regional federation's scholarship chairman, who will see that the donor receives proper credit. He will forward the gifts, whether coupons or money, to the proper foundation officer.

### GOALS FOR THE FUTURE

Driving down the road, we see our first horizon... a rise just ahead. Having surmounted that, do we stop when such attractive further vistas and horizons appear? By no means!

The fund has achieved its first "horizon"... \$50,000, (is, in fact, well beyond that); and what do we see? Wonderful additional opportunities for service and help for more and more students.

So let's keep driving right ahead, surmounting horizon after horizon. What can we possibly lose? ... and what unending help we can give! - by W. H. de Neui, President

### A NOTE FROM EARTH SCIENCE

We think the lead article in our March-April issue is worth the price of a year's subscription. It is Fossil Collecting in the Driftless Area of Minnesota by Dr. Thomas N. Bayer of Winona State College. Silicified wood is the topic of another good article, and we observe March 17th with Ireland Before Patrick... Acknowledgements are due the many Midwest Federation people who assist us with articles. We hope you did not miss Howard Shanks' Making Thin Section Peels From Coal Balls and Amel Priest's The Pella Beds of Iowa in January-February. Roy Meyenberg assisted us in obtaining William Hlavin's Paleozoic Vertebrate Occurrences in Ohio in the same issue, and Jean Dahlberg directed us to Dr. Bayer. Thanks, all of you.

-Mary Cornwell

### GEOLOGY MUSEUM AWARDS

The two individuals or groups, the one amateur and the other engaged in earth science materials as a business or profession, who offer as donations to the Geology Museum, University of Missouri at Kansas City, during the March 6-8, 1970 Gem and Mineral Show, the specimen, collection, or display judged most desirable by the Department of Geology for its permanent collection, will each be awarded a cash prize of \$50. Entries will be on display during the show and winning selections will be made on Saturday, March 7.



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Issue No. 104 - April 1970

## EXTRY! EXTRY! THE 1970 DIRECTORY

The 1970 Official Directory of the Midwest Federation of Mineralogical and Geological Societies is out. This is the publication that tells everything you want to know about the Federation and its clubs... clubs located by states, with their officers and names of their bulletins; names of officers and of the members of standing committees; publications and other material available from the director of supplies; the first general printing of the Federation's new bylaws, its constitution; officers of the American Federation and other regional federations; information about the Scholarship foundation, and, last but far from least, the calendar of events, listing rock swaps and club shows for a year ahead. All that for 50 cents, handsomely printed and bound and well indexed, with the new fully "color-keyed" sections which will enable you to turn to any section of information immediately.

The editor of the Directory is Mrs. Olive Ellersick of St. Louis, Missouri who has been engaged in gathering material for it since last fall. The Calendar of events was prepared by Miss Dorothy Gleiser of Lake Forest, Illinois, Scholarship foundation information by Mrs. Walter Steinbrenner of Des Moines, Iowa and William deNeui of Minneapolis, Minnesota and it was printed by Parrot Printing Service of Des Moines, Iowa of which Haydon Peterson is owner. To them a heartfelt thank you.

Each club will receive two free copies for its officer's use. Club members may order their own copies from Verne Montgomery, 830 Sheridan Place, Downers Grove, Illinois 60515.

## ROCKRAMAS FOR 1970

May 16-17 - Kalamazoo Geological and Mineral Society at the Kalamazoo County Recreation Building 2900 Lake Street, Kalamazoo, Michigan. The program includes lectures on silver casting, on the mastodon in Alaska, and on the Jewel of Many Facets by former Federation president Ellis Courter. Silver casting, faceting, cabochon cutting and tumbling will be demonstrated. There will be a Cracker Barrel session and a big swap session is being developed. Camp sites available on the fairgrounds. Ten dealers will be present, including one from Oregon, one from Pennsylvania and one from New Mexico. For information contact Mr. Harold Berner, 2539 Brookhaven Drive, Kalamazoo, Michigan 49001.

May 23-24 - Cuyahoga County Gem and Mineral Show sponsored by the Fairview Park Lapidary Society and the Parma Lapidary Club at the Cuyahoga County Fairgrounds, Eastland Road, Berea, O. Attractions will be working exhibits, including a diamond cutter,

special displays of carvings, minerals and fossils. There will be competitive show and a non-competitive show, swapping, cracker barrel session, camping on the grounds (fee), lunch facilities, dealers, etc. For information contact either Frank Sakryd, 5007 W. Ridgewood Drive, Parma, O. 44134 or Walter Zernehel, 27180 Gloucester Drive, North Olmsted, O. 44070.

September 11-12-13 - Rockrama '70 sponsored by the Blackhawk Rock Club in the Coliseum building at Oregon, Ill. There will be dealers, special displays, cracker barrel session, and a good show. For information contact Everett Allen, 3212 Hanover St., Rockford, Ill. 61103.

## SPECIAL DISPLAYS

The Federation's Special Displays Directory will be revised and brought up to date soon. There is a great demand for new and outstanding displays for club, Rockrama and Federation shows. If you have such a display and wish to exhibit it, please write Mrs. Miriam Pierce, 35449 Oakdale drive, Livonia, Mich. 48154, so that it can be included in the revised issue of the Special Displays directory.

## MERIT AWARDS

All clubs have been mailed applications for the Midwest and American Merit Awards. These applications extend for the period of January 1, 1969 to January 1, 1970. They must be completed and returned to Gail Alexander, Midwest Education Chairman, 1113 West 4th St., Marion, Indiana 46952 not later than May 1. Be sure to check all spaces and add pictures, newspaper clippings, bulletin clippings, flyers, and anything that will help the committee to determine your activities. Do not send the application and other pages in a heavy binder.

## NOTE TO INDIVIDUAL MEMBERS

The Midwest Federation has increased dues for individual members to \$5 for 1970. This was done because such members are receiving a service that costs the Federation more than they were paying. If you have not sent in your dues, please do so and remember the new figure.



RECENT ADDITIONS TO  
THE MWF LIBRARY PROGRAM SERVICE

Our MWF Program Chairman, Mary Anderson, reminds us of a number of recent additions to the Federation's Library Program Service. All of these programs are available for immediate booking by clubs. When you order, ask for the program by name, give a choice of dates, and send you request to Mary Anderson, Route 3 - Box 241-E, Kokomo, Indiana 46901. Be sure to include the complete address to which you want the program sent... and don't forget your zip code.

"CARVING A JADE BOWL" - The first of the 1970 programs, made and donated by Mr. and Mrs. Warren Hatch of Belleville, Mich. and reproduced in color by the Huron Hills Lapidary and Minerals Club, Inc., is an exciting story of the making of a jade bowl from a 17 pound piece of jade. Everything is there from the study of the block of jade to how it was used right down to the polished bowl itself. Especially attractive to those who like to make their own tools. However, it gets to the hearts of all with the addition of the carving of a pair of oxen and last, but by no means least, a darling boat made by Mrs. Hatch. It's a lovely program which all will enjoy.

"SILVERSMITHING" - Donated and made by the Minnesota Mineral Club of Minneapolis, Minn. This fine program has been highly commented on, especially by those desiring to start silversmithing. In fact, several of our clubs have said their first project would be the making of a pickle fork because this program starts with the tools needed and ends with the finished project, showing each step of the way.

"SOUTH DAKOTA FIELD TRIPS" - This program made by the Zeitners and several other couples in the Murdo circle of host clubs and donated by them reviews the areas hunted during the Field Trip Convention held in Murdo, S.D. in 1969. Not only is it a fine review but is equally as good as a winter field trip or a remembrance of the excitement of the convention.

\* \* \* \* \*

There are many new Program Chairmen in office. Congratulations... you have a very important job to do for your club.

Remember that one club sometimes depends upon another club for their program, so be sure to read all the enclosures in the shipping carton and then follow these instructions. At this time of year when chairmen are trying to set up their programs for the rest of their term bookings are extremely heavy making it often times necessary for the Library to ask you to send a program directly to another club. If enclosed instructions ask you to mail the program to another club, please do not mail it back to the Library. Insure it and mail it out the day following your use as per the instructions. Another club is depending on you!

MOON ROCKS WILL BE ON DISPLAY

at the South Dakota State Gem and Mineral Show on April 18-19 hosted by the Sioux Empire Gem Society of Sioux Falls, S.D. Display was arranged thru help of Gov. Frank Farrar.

AFMS SCHOLARSHIP FOUNDATION  
AWARD WINNER FOR 1970 NAMED

Dr. Carey Croneis, Chancellor, Rice University, Houston, Texas, has been voted the American Federation of Mineralogical Societies Scholarship Foundation Award for 1970. The Federation which has some 60,000 members, presents this award annually for outstanding achievement in the field of earth science.

Dr. Croneis has been associated with Rice University since the middle 50's where his influence in earth science matters is far reaching. He holds degrees from Denison University, the University of Kansas, and Harvard University, and has been awarded numerous honorary degrees and medals; his record as educator and administrator from the early 20's to date is truly impressive.

As geologist, educator and administrator, he has given the benefit of his help to many organizations as director, chairman of the board, or president as well as in other executive and advisory capacities. He is the author of "Paleozoic Geology of Arkansas, Down to Earth" (with W. C. Krumbein), and of numerous scientific articles and reviews.

In behalf of the Foundation, he will select schools that will receive grants from the Foundation, in his name, to assist five graduate students for two years each, in pursuing their work toward a master's or doctor's degree in any of the earth science subjects. The Foundation is proud, indeed, to be able to present this award to Dr. Croneis. - W.H. deNeui, President, AFMS Scholarship Foundation.

19 CLUBS INCREASE THEIR SCHOLARSHIP STANDING

-reported by Katharine Steinbrenner  
100%

Fairview Park Lapidary Society, Fairview Park, O.  
The Roamin Club, Livonia, Mich.

200%

Lincoln Orbit Earth Science Society, Springfield, Ill.  
White River Gem Society, Anderson, Ind.  
Wisconsin Geological Society, Milwaukee, Wis.

300%

Blackhawk Rock Club, Rockford, Ill.  
Blue Ridge Gem and Mineral Society, Raytown, Mo.  
Indian Mounds Rock and Mineral Club, Wyoming, Mich.  
Richland Lithic and Lapidary Society, Mansfield, O.  
Rock Exchange Club, Plymouth, Mich.  
Fulton County Rockhounds, Canton, Ill.

400%

Central Illinois Rockhounds, Decatur, Ill.  
Grant Geological Society, Marion, Ind.  
Show-Me Rockhounds, Kansas City, Mo.

500%

Duneland Rock Club, Gary, Ind.  
East Ohio Lapidary Club, Warren, O.  
Midwest Mineralogical and Lapidary Society of Dearborn, Mich.

700%

Des Moines Lapidary Society, Des Moines, Ia.

1100%

West Suburban Lapidary Society, Elmhurst, Ill.



THE JASPILITE  
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