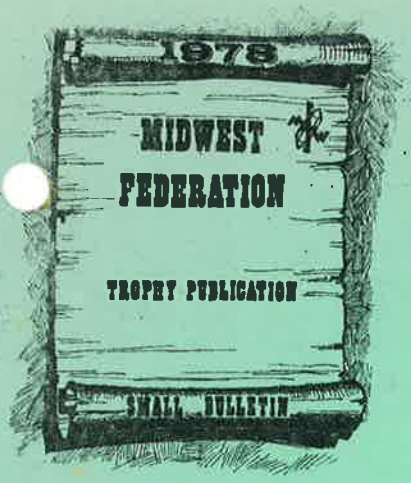

MAR 1979

THE ROCKHINDER

MICHIANA ROCK & GEM CLUB, INC.

FIRST CLASS MAIL

MID WEST FEDERATION

MICHIANA ROCK AND GEM CLUB, INC.
1979 BOARD OF DIRECTORS

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Education....	Margaret Heinek	Box 152, New Carlisle, Ind. 46552
Librarian....	George E. Kelsheimer	19137 Dresden Dr.,South Bend,Ind.46637
Historian....	Bess Wise	1513 Clarendon, Niles, Mich. 49120
Field Trips..	Bob Heinek	Box 152, New Carlisle, Ind. 46552
Safety.....	Merl Lechlitner	1433 L.W.E., Mishawaka, Ind. 46544
Sunshine.....	Pauline Kelsheimer	19137 Dresden Dr.,South Bend,Ind. 46637
Scholarship..	Catherine Grayckowski	1111 N. Huey St.,South Bend,Ind. 46628
Display.....	Bob Miller	1106 Clayton Dr.,South Bend,Ind. 46614
Publicity....	Sherry Russell	27911 North St.,No.Liberty,Ind. 46554
Membership...	Betty & Jessee Jordan	16705 Eisenhower,Mishawaka, Ind.46544
Junior Activities...	Joe Charles	28863 New Road, North Liberty,Ind.46554

THE MICHIANA ROCK AND GEM CLUB, INC., a non-profit organization, is affiliated with the MIDWEST FEDERATION OF MINERALOGICAL & GEOLOGICAL SOCIETIES and with the AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES.

REGULAR MEETINGS

TIME: 2:00 P.M.
Fourth Sunday of Each Month
June - Field Trip Meeting
July - No Meeting
August - Annual Picnic

PLACE: Nature Center
Rum Village Park
2626 So. Gertrude Street
South Bend, Indiana

DUES

Individual - $3.00 per year Family - $5.00 per year Junior - $0.50 per year.

ROCKFINDER STAFF

Editor.....	Fred Niebauer	174 E. Cleveland Rd.,South Bend,Ind.46637
Asst.Editor..	Sherry Russell	27911 North Street,No.Liberty,Ind.46554
Staff Members.	Club Members	

All contributions for publication should be in the hands of the editor by the 5th of each month of publication.

THE ROCKFINDER

Volume 19 Number 3 March 1979
Published by Michiana Rock and Gem Club, Inc. South Bend, Indiana

Regular Meeting:

March 25, 1979

Time: Doors Open 1:30 PM, EST
Meeting 2:00 PM, EST

Place: Nature Center
Rum Village Park
2626 South Gertrude Street
South Bend, Indiana

Program: Business Meeting

Slide Program on Club Rockhound Activities
By Merl Lechlitner
Please bring your favorite specimen to share with the club members.

Hospitality:

Carlton & Doris Pletcher
Flora Markus
Carl Simpkins
Josephine & Ossie Kytta

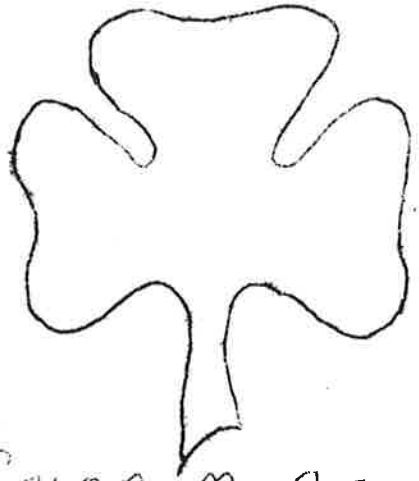
Educational Meetings:

Time: 7:30 PM, EST

Place: Newman Recreational Center
727 South Eddy Street
South Bend, Indiana

Program: Friday, March 23, 1979
Friday, April 13, 1979

Cutting and polishing rocks.
For all other rockhounds, on March 23rd we will work on handout cards for the 1979 show. Bring small



COLOR ME GREEN
THINK OF SPRING

Educational Meetings (Con't)

identifiable rocks such as pyrite or very small fossils, elmers glue and black ballpoint pens.

For April 13th, we will be painting rocks to sell at the club booth at the 1979 show. Bring small to medium round or flat rocks to be painted, poster paints if you have them, small paint brushes.

MAY MEETING DATE CHANGED

The date for the May meeting has been changed since the fourth Sunday of May is Memorial Day weekend. We have changed the meeting date to Sunday, May 20, 1979, one week earlier, so more members can came to the meeting.

Be sure to mark your calendar of the change now so you won't forget in May!

Sherry Russell, Ass't.Editor

FROM YOUR ROCKY LEADER,

Hello to all. Well if the calendar is correct, SPRING is gonna be here by the time you read this. It sure is nice to see the temperature getting back up there, days getting longer.

Of course with the changing of the weather to what we northern people really enjoy means several things to us.

1. It means that all the snowbirds that flew or drove south for the winter will be back with us.

2. It means that our first field trip is close at hand, which means Bob will be making an announcement soon about where we are going.

3. It means that it is time to get out the rock hunting equipment and get it ready to go.

4. It means that our 1979 Show is only five months away and we still have a lot to do.

5. It means that those members that we have not seen at the meetings throughout the winter months will not have any more excuses of bad weather not to come to a meeting.

Speaking of meetings, the one we had in February was a super great extra wonderful meeting. It gives one great pleasure to see all or most of the chairs filled with members and guests. The program put on by Margaret was really great. She sure knows her wood. Thanks for the great program. This is the second program that a club member has put on in recent months. The March program will be a slide program on club activities by Merl Lechlitner. It would be great to see more programs by club members.

I am going to start early with my annual plea. The club needs things for grab bags, silent auction, club booth and kiddies corner. Let's start getting some items ready so that we can get things in line early this year.

Recently the Russells visited the Blossomland Show and enjoyed a great Show. In the working area, they had a very interesting thing

FROM YOUR ROCKY LEADER (CON'T)

going. The kids and adults too, were busy polishing Petosky stones. Made me want to sit down and join them. Maybe we could do something like that at our show. It's just an idea, so think about it.

Frank and I paid a visit to Notre Dame the other week and came up with some interesting information for the 1979 Show as well as for the big one. We will talk more about this at our meeting.

On April 7th the Russells will be traveling to Elmhurst, Illinois, to attend a show and the Spring session of the Midwest Federation Executive Meeting. More will be told next month about what takes place.

Well that's about it for now. Got to start getting my equipment in shape for a field trip. See all of you the 4th Sunday of the month.

Rocky Leader,
Jim

THINGS TO LOOK AT !!

I thought this a good time to remind everyone that at our monthly meetings, we have a nice large table to display your favorite rocks, shells, boulders, fossils, fine skills, something you found on vacation, etc. that you would like to bring and share with the rest of us. (If we run out of table space we'll use the podium - Jim won't mind!?).

I've been lazy and haven't called anyone to bring anything for March yet, and would really prefer that you would all volunteer rather than put someone on the spot--(what will I bring???) So--we have lots of room and also in April and May. Bring one rock or ten. We share the same interest and have a lot of interested people. Thanks again to those who have brought in the past and made our meetings that much more enjoyable.

Bob Miller

MINUTES OF THE FEBRUARY MEETING

The meeting was called to order February 25, 1979 at the Rum Village Nature Center by President Russell. New members and guests were introduced. A motion was made by Margaret Heinek to dispense with the reading of the January minutes, seconded by Carlton Pletcher. Motion carried. The treasurer's report was read and approved for audit.

Publicity - Some of our guests had heard of our meetings through the radio and television publicity.

Sunshine - A card and plant were sent to Carlton Pletcher.

Displays - Margaret & Bob Heinek, Larry & Kathryn McHugh, Frank & Molly Elwell, Robert Luster & Bob & Kathy Miller brought petrified articles. Each told some history about them.

Editor - Asst. editor Sherry Russell asked members to please send her articles for the March Rockfinder.

Field Trips - Bob Heinek has several good ideas, but welcomes suggestions.

Education - Margaret Heinek is asking club members to please donate tiny fossils for handout cards for the 1979 Show. Identified fossils are needed for the handout cards.

Committee Reports - Frank Elwell talked to Mr. John Boruff, Asst. Director to Mr. Robert Goodrich about helping with a cash donation or supplying some parts for machinery at Newman Center (wheels, belts, etc.) Mr. Boruff said any help will be appreciated, but would like to study on it, then notify us which way to go.

Safety - Merl Lechlitner will have an article on safety sent in for the next issue of the Rockfinder.

Librarian - A book has been donated to the club library by Mary Miller titled IN THE BEGINNING." It is a book on archaeology.

MEMBERSHIP - Ossie Kytta has accepted the job of Membership Chairman to replace Jess Jordan for this year.

Communications - Pres. Russell heard from more dealers and is sending more contracts out. Fred & Addie are still making us feel the winter blues. A student from Notre Dame, a lapidary enthusiast, wants to help promote our show in his home state in New England and he offers his help in any other way. In the August edition of the

MINUTES OF THE FEB. MEETING (CON'T)

Lapidary Journal President Russell has sent an article in about our 1979, '80 and '81 Shows. He read the article to club members, who were very pleased with it. He also wrote a very well-worded letter to Robert Orr, Lt. Governor of Indiana, requesting information of our coming shows be put in the State Calendar of Events.

Old Business - The name for the 1979 show has been chosen out of 45 names that had been submitted. A prize was awarded to Sherry Russell for "Rockhound Showtime '79". Congratulations, Sherry. Jerry Shoemaker is already working on the new flyers. Margaret Heinek mentioned many club members could take pictures of rocks, gems and minerals for a slide library. It will be looked into more by the members.

New Business - It was suggested that a field trip by bus be taken this spring. Possibly to Bloomfield, Michigan to Cranbrook Institute Museum. Sherry Russell made the motion to have a spring bus trip, seconded by Mary Miller, the motion was carried. The month of May regular meeting day falls on Memorial weekend, so the meeting has been moved back to May 20th, one week earlier, at the Nature Center. Fran would like some fossils to be donated to the club display case in the lobby.

Program - Margaret Heinek gave a talk on petrified wood with its history. She also had many articles, slides, poster drawings and a large assortment of petrified wood. It was an excellent program. Next months' program will be slides taken at past shows by Merl Lechlitner.

Birthdays - Acknowledgements and best wishes to Ray Ferris, Jimmy Walls and Jimmy (leap year) Russell for the month of February. Door prizes were won by Christine Shoemaker, Irene Ungurait and Molly Elwell. Motion made to adjourn by Doris Pletcher, seconded by Lori Russell.

Attendance - 44 members
9 guests

Respectfully submitted,
Kathy Miller, Secretary

ANTARCTIC ROCKS MIGHT HELP SPUR SEARCH FOR LIFE ON MARS

Living organisms have been discovered inside rocks from a barren region of Antarctica - a finding that could change the way scientists search for life on Mars.

Discovery of microbes, algae, and fungi underneath the surface of certain rocks in Antarctica, one of the earth's harshest environments, significantly extends the known limits of life on this planet, according to scientists.

It offers new hope that some form of life may exist on desolate neighboring worlds.

Drs. El Imre Friedmann and Roseli Ocampo-Friedmann, a husband-wife team of biologists from Florida State University at Tallahassee, found the life in light-colored rocks from Antarctica's Dry Valleys region. The area is frigid, arid and mostly devoid of ice and snow.

Similar - but more extreme - conditions were found on Mars by two American Viking spacecraft that searched unsuccessfully for signs of microbial life in 1976. But the unmanned craft were not designed to crack open rocks and look inside.

Dr. Richard S. Young, chief of planetary biology for the National Aeronautics and Space Administration said that if Martian life exists only in the interior of rocks, it would influence the design of aircraft.

Friedmann said that in 1975 he found a layer of blue-green algae inside a Dry Valleys rock sent him by a friend.

In two subsequent expeditions to Antarctica, the Friedmanns brought back 600 pounds of rocks. They found that a dark, greenish layer of life existed inside semi-translucent rocks where sunlight penetrates several millimeters deep.

ANTARCTIC ROCKS MIGHT HELP SPUR SEARCH FOR LIFE ON MARS (CON'T)

The thin, surface layer of rocks not only traps heat and minute amounts of moisture, but also protects the organisms from the harsh outside environment and filters out excessive solar radiation.

Freidmann said he examined one life-bearing rock when the air temperature was about 14 degrees Fahrenheit and the rock surface was about 28 degrees. At the layer of life a quarter-inch below the surface, it was 50 degrees - cozy for these types of organisms.

Submitted by Lucy Miller

From Grit

CALENDAR OF EVENTS

March 28-31	Indian Mounds Rock & Mineral Club, Eastbrook Mall, Grand Rapids, Michigan
March 30 to April 1	Michigan Gem & Mineral Society, Armory, Jackson, Michigan
April 7 & 8	West Suburban Lapidary Club, Elmhurst College, Elmhurst, Illinois
April 21 & 22	Calumet Gem & Mineral Society, Highland High School, Highland, Indiana
April 28 & 29	Peru Rocks & Minerals Club, 4-H Fairgrounds, Peru, Indiana
Sept. 14, 15, & 16	Michiana Rock & Gem Club, A.C.C., University of Notre Dame, South Bend, Indiana

Midwest Federations NEWSLETTER

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

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MID WEST FEDERATION

March 1979 - Issue No. 193

"Wonderful World of Gems"

Plans for "Wonderful World of Gems" the Midwest Show and Convention in Columbus, Ohio, Aug. 2 - 5 are progressing according to schedule according to Carlton Davis, Show Chairman. The show is sponsored by the Columbus Rock and Mineral Society, Good Earth Mineral Society, Rockwell International Mineral Society and Rolling Stones. It will be held in Veterans Memorial in downtown Columbus.

Speakers will include Paul Desautels, Cornelius Hurlbut, Hohn Sinkankas and Dr. Vince Manson, G.I.A. Exhibits will include those from Smithsonian, Harvard University, Carnagie Museum, Cranbrook, and Gemological Institute of America.

Complete information on the show will be found in future issues of this Newsletter and will be mailed to other interested persons very soon.

Specific information on various aspects of the show can be secured by writing Carlton Davis, Show Chairman, 2452 Buckley Road, Columbus, Ohio 43220.

OLIVE ELLERSICK

We were sorry to learn of the death of Olive Ellersick, St. Louis, Missouri, on December 8, 1978. Olive was a member of the Earth Science Club of Missouri and a former editor of the ESCOMO Bulletin.

Until a few years ago when she became ill, she was very active in the Midwest Federation having worked on the annual Midwest Directory for many years.

NAME BADGES

If there are any Midwest Executive Committee members, including Past Presidents, who do not have a new clear plastic name badge for themselves or their spouses please contact Mary McNamar, Chairman Public Image and Courtesy Committee, 3513 57th Street, Des Moines, Iowa 50310.

AFMS UNIFORM RULES BOOKLETS AVAILABLE

If you do not have a copy of the AFMS Uniform Rules 4th Edition (blue cover) here is an opportunity for you to get a copy. Our Midwest Director of Supplies has a limited quanity available at $.50 per copy. If you would like a copy, send $.50 to Clinton Hecket, 725 Stewart Ave., Elgin, IL 60120. This 4th Edition will no longer be in use after Dec. 31, 1979 as a new 5th Edition will be issued early in 1980.

WELCOME NEW CLUBS

TRI-COUNTY ROCK AND GEM SOCIETY
Dean Stevenson, President
RT. 5, Box 156
El Dorado Springs, Mo. 64744
joined January 24, 1979

SHABBONA TERRITORY ROCK & GEM CLUB
Marvin Lawyer, President
101 E. Main St.
Neward, Illinois 60541
joined January 24, 1979

UPPER THUMB GEM AND MINERAL SOCIETY
Mrs. Jean Reid, President
4680 Trassmere Rd., Cass City, Mich. 48726
joined January 26, 1979

1979 DIRECTORY AT PRINTER

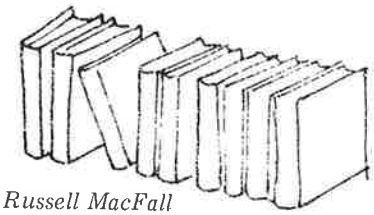
Most of the copy for the 1979 Midwest Directory has been sent to the printer. Diane Dare, Directory Chairman, plans to have the Directory distributed to all clubs and individuals within a few weeks.

USE CORRECT ZIP CODE

HELP MOVE THE MAIL..... USE ZIP CODE

COLUMBUS CALLING . . . MIDWEST SHOW AND CONVENTION . . . AUG. 2-5, 1979 . . . COLUMBUS, OHIO

BOOKS



By Russell MacFall

Mineral collectors are fortunate to have available several new state guidebooks that have just come to this reviewer's attention. **Minerals of New York State** (Ward's Natural Science Establishment, Rochester, N.Y., $7.95) is written by David E. Jensen with photographs by Kay Jensen, both former presidents of the Eastern Federation of Mineralogical and Lapidary Societies. Jensen has included a history of mineralogical research in New York State with brief biographical sketches of many of the notable figures and organizations that have laid the foundation for his account of the major formations and mines of the state, followed by a detailed descriptive mineralogy and bibliography. Mrs. Jensen's photographs include 16 pages in color and nearly 100 in black and white.

Minerals of Georgia by Robert B. Cook (Bulletin 92 Geologic and Water Resources Division, Dept. of Natural Resources, Atlanta, $5.00) is virtually a monograph of the reported occurrences of minerals in that state. Published in large format with color illustrations on the front and back cover, it gives detailed location information taken from an exhaustive inquiry into the reports from the nation's first gold rush in Georgia in the 1820's until the multimillion dollar industrial mineral exploitation of today. In its completeness it is a model for state guides.

Only a couple of years older is the excellent **Mineralogy of Michigan** (Bulletin 6 Department of Natural Resources, Geological Survey Division, Lansing) by Prof. E. William Heinrich of the University of Michigan. After an account of the basic geology of the state and the history of prospecting and mining there, Heinrich describes minerals alphabetically rather than in the systematic fashion used in the Georgia guide. Like Jensen's book, it is the convenient octavo size. The bibliography is excellent.

One more word: **Dictionary of Geological Terms**, Revised edition, Anchor Books, Garden City, N.Y. paperback, is a handy book to have in your library.

SCHOLARSHIP RECIPIENT

This is a letter to Russell MacFall from our Scholarship recipient for 1978-79, Nancy Newberry.

I was very happy to find out that I will be receiving the scholarship of the American Federation of Mineralogical Societies for this year, and happy to help you by answering any questions you have about me.

I am from Coldwater, Michigan, a moderately small town in the lower peninsula, where I graduated Valedictorian of a class of about three hundred students. I was a rather typical active high schooler, having participated heavily in theater, dance, lab assisting, art and at least attempting to rule the world by running in many races for student government.

I have spent my last four years at the University of Michigan and am now twenty-two. During my study here I have earned the Branstrom Freshman Prize and other honors; and am fortunate to work with Dr. Donald Peacor on a research project which will be completed this fall. I will be continuing here in a Master's Degree program and will be assisting in teaching Mineralogy.

My interests outside geology are numerous and varied. I am particularly interested in the old (and once more necessary) arts of spinning, dyeing and handweaving. I am restoring an antique loom which I hope will be very useful. I read extensively, have recently been tackling thirty mile bicycle trips and learning bicycle mechanics and enjoy swimming and sailing. I am a member of Delta Gamma Fraternity and have held the offices of Scholarship chairman and Vice President.

I was surprised to read that you are familiar with the name Newberry. Unfortunately, the renegades of my family are unrelated to these well known and philanthropic people. How did you happen to know your Michigan history?

I would like to thank you again for your support and will certainly keep you informed of any future publications or discoveries.

ARCHEOLOGY GETS A BOOST IN SOUTH DAKOTA

From Rock Dust — Sioux Empire Gem & Mineral Society, Sioux Falls, S.D.

Lyle Cheever, retired district judge in Brookings, S.D., is an amateur archeologist. He was concerned when he learned there were no records of archeology finds in the northeast part of South Dakota. While picnicing at Oakwood Lakes last summer, a member of his party found some pottery. Experts were called in who turned up a 1,000 year old village site which has been nominated for listing in the National Register of Historic Places. He says they've located four village sites in Deuel County alone.

Bob Alex, state archeologist, said South Dakota is the only state in the nation without an anthropology major. The U of SD will offer twelve anthropology courses next semester and wants a major in the field authorized by Board of Regents.

Archeologists are proposing an out-reach program to train amateurs to help salvage important sites before erosion, vandals or developments ruin them forever. Mr. Cheever believes amateurs should very much be discouraged from doing individual digging, but there aren't enough trained archeologists to follow up every lead.

It is important to know that when a person comes across a find like these people did — pottery: two little potsherds about the size of a nickel — that it should be reported to an archeologist so a search might be made and the digging and recording done in a way so records can be kept. Darrell Fulmer, who is an archeologist at a village site near Mitchell said, "Artifacts get amateurs into it. But there's more than artifacts. Soil chemistry, magnetic anomalies in the soil, pollen, snails — these things take expertise, and once the site is disturbed they mean nothing."

Amateurs can dig, but an expert needs to be with them to show them how.