

Volume 6, no. 2 = October, 1963



the

GLACIAL

DRIFTER

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The Grand Rapids Mineral Society is a Non-Profit Corporation affiliated with the Midwest Federation and American Federation of Mineral Societies.

Meetings are held at Riverside Elementary School, 2420 Coit N E the 2nd Wednesday of each month at 8:00 P.M. (Sept. thru April) Annual Meeting second Wednesday of May at Riverside Junior High Summer meetings at different parks as announced.

Advertising in the DRIFTER is at the rate of \$3.00 per issue. (Adv. published Sept. thru May only)

All material to be published must be in the hands of the editor no later than the 25th of the month preceding publication.

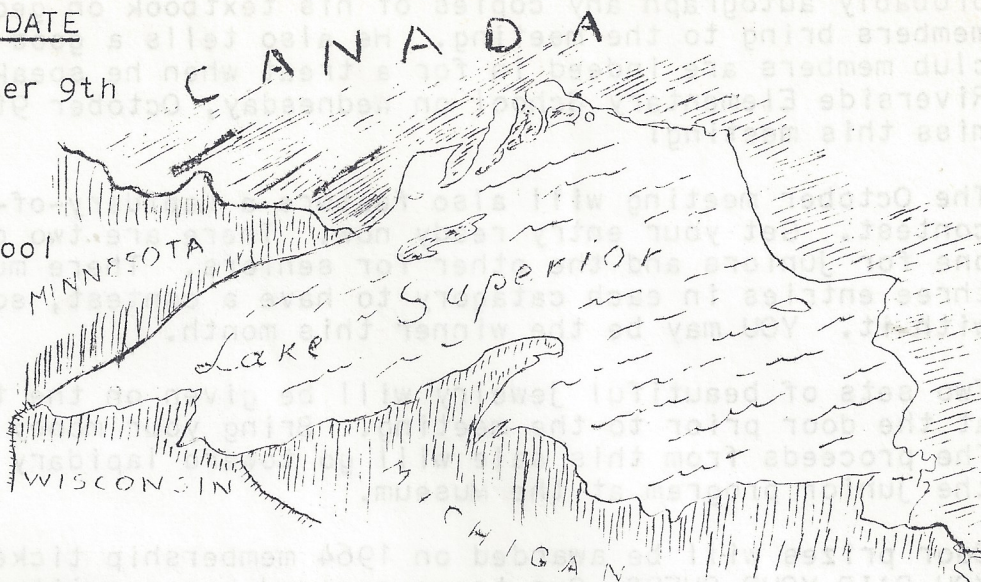
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Member - Bulletin Editors Association

OCTOBER MEETING DATE

Wednesday, October 9th

Time: 8:00 P.M.

Place: Riverside
Elementary School
2420 Coit N EWhy: For the
purpose of

EXPLORING LAKE SUPERIOR'S GEOLOGY
with DR. JAMES H. ZUMBERGE

In September the members of the Mineral Society boarded Cuss I to sail off the coast of Mexico and watch the Mohole Project. Of course, this was all via movies. In October's meeting Dr. James H. Zumberge will personally escort us on an expedition via slides to explore Lake Superior. This exploration has been a project of the University of Michigan where Dr. Zumberge was a member of the faculty in the Geology Department prior to his election as President of Grand Valley State College.

Dr. Zumberge told another group a few months ago that a geologist never climbs mountains just to climb mountains, but only to get geological specimens, presumably this is the only reason a geologist on an expedition goes on a ship. One such voyage Dr. Zumberge went on was to Little America as leader of a group during the Geophysical Year. As one who finds beer a fit beverage for a field trip, it was interesting to learn that canned beer in quantity was taken by Dr. Zumberge's expedition to Little America in order to meet the liquid requirements of the men.

It must be that geologists are just more highly educated rockhounds because this summer Dr. Zumberge was found pawing about the expressway cut just as some of our members have been. For those of you who did not see the Press story, he was hunting wood. Now, most of our members go to the western states to hunt wood of geological and lapidary interest, but Dr. Zumberge was interested in the age of the wood being uncovered by the freeway digging. At last report he was having it tested for age by the carbon 14 test. He may also bring us up to date on this item. (By the way Mary Jane Dockeray has some ice uncovered by freeway digging, she says, it is in her freezer and, unless she was pulling our leg, it may be part of a glacier. Dr. Zumberge is also something of a glaciologist so he may be calling on Mary Jane to test the difference between the freeway-bed ice and an ice cube.)

In addition to being famous as a geologist and now a college president, Dr. Zumberge is an author. He would (continued next page)

probably autograph any copies of his textbook on geology club members bring to the meeting. He also tells a good story, so club members are indeed in for a treat when he speaks to us at Riverside Elementary School on Wednesday, October 9th - don't miss this meeting!

The October meeting will also feature a Lapidary-of-the-Month contest. Get your entry ready now. There are two divisions, one for juniors and the other for seniors. There must be at least three entries in each category to have a contest, so let's get with it. YOU may be the winner this month.

Two sets of beautiful jewelry will be given on the tickets available at the door prior to the meeting. Bring your money and good luck! The proceeds from this sale will go toward lapidary equipment for the junior program at the Museum.

Door prizes will be awarded on 1964 membership tickets. Have YOU PAID YOUR DUES? Our treasurer and her committee will be on hand before the meeting to take your money.

* * * * *

ROCK IDENTIFICATION CLASS

The long awaited class on Rock Identification is starting at the G. R. Public Museum on Tuesday, October 1, at 7:00 P.M. with Miss Mary Jane Dockeray teaching. This is a 5-week course, cost of which is \$5.00 per person (\$7.50 for husband and wife) payable at the first session.

Those who have taken this course in the past have enjoyed it and have learned a lot in a short time. Why not plan to get some basic knowledge on identification?

The classes are on each Tuesday in October, 1st, 8th, 15th, 22nd, and 29th.

* * * * *

THE GEM BUILDERS

Subterranean water, according to Dr. Engel, of the California School of Technology, in a lecture before the Gemological Society, "is continuously adding to, or taking from, all water-formed crystals it contacts."

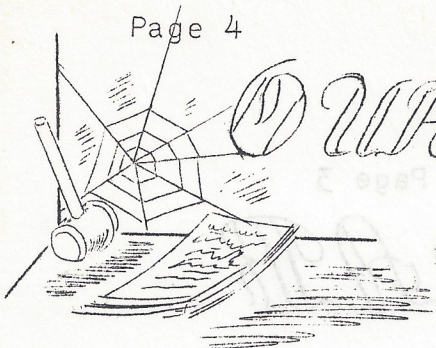
If the water is super-saturated with silica, for example, a million imaginary diminutive stone-masons silently assemble the wandering molecules into fixed and orderly positions to compose layers of new growth on the sides of quartz crystals. But when the water becomes under-saturated, due to some geological change, these little builders magically go away and a myriad of little miners come in their places to loosen and roll the particles back into the water.

From July 1939 issue The Mineralogist



CALENDAR of EVENTS

- October 1 - Tuesday at 7:00 P.M. First of five classes on Rock Identification at G. R. Museum, Miss Mary Jane Dockeray, teacher. Fee \$5.00 per person, \$7.50 for husband and wife for the 5-week course.
- October 8 - Tuesday at 7:00 P.M. Second of 5 classes on Rock Identification at G. R. Museum
- October 9 - Wednesday at 8:00 P.M. Regular Monthly Meeting of Society at Riverside Elementary School, 2420 Coit N E. Dr. James H. Zumberge, Guest Speaker.
- October 14 - Board of Control Meeting at home of Dr. & Mrs. Richard W. Rose, 3244 Springbrook Dr. N W, Comstock Park, Michigan
- October 15 - Tuesday at 7:00 P.M. Rock Identification Class
- October 22 - Tuesday at 7:00 P.M. Rock Identification Class
- October 24 - Thursday at 8:00 P.M. Mineral Group Meeting at home of Mrs. Nellie Mead, 344 Briadwood S E
- October 29 - Rock Identification Class - last session



OUR PRESIDENT'S CORNER

Now that the cool autumn evenings are officially here many of us are turning to our lapidary equipment to work on the fine cutting materials we acquired during our wanderings this summer.

I am very interested in having a Lapidary Group as one of the facets of our society such as the Mineral Group which meets once a month to discuss minerals and to learn more about them. I vision this group as consisting of accomplished lapidaries, beginning lapidaries and those who never cut a stone but who want to learn about the art.

This will not be a work-shop type of group, bur rather a group who will discuss some particular gem as the topic for that particular meeting. For example, one month we can discuss jade and the various difficulties in obtaining a good polish and how they can be overcome. Another month we may want to discuss agate from a particular source, or agate in general. And still another month we will have a session on opal, from both Australia and Mexico. There are a variety of materials and the person who has an interest in a particular material will have an opportunity to tell what he (or she) knows about it and its cutting possibilities. These things we will do IF YOU ARE INTERESTED!!

If this type of group is of interest to you please contact me. My phone number is TW-8765. If we find that there are enough of you who are interested we will plan a meeting for sometime in November. I look forward to hearing from YOU today.

Our November meeting will feature our ANNUAL AUCTION. I hope you have been accumulating material for this money-raising event and will answer the appeal of the Auction Committee co-chairman, Don Crabbs and Art Joldersma, for good mineral specimens, fossils, and cutting materials. Another feature of our November meeting will be the serving of coffee and cookies. Mrs. James Waldron has charge of this feature and is asking for donations of cookies. She will have a Volunteer Sheet posted at the October meeting for you to sign if you are willing to contribute a batch of home-made cookies.

See you at the October meeting.

August Post

P. S. Our good friend and former board member Fay Reed suffered a heart attack shortly after our September meeting and as of this writing is still in the hospital. He expects to come home about the 1st of October. Why not drop him a card to cheer him up? Mrs. Newton Cairns has been confined to the hospital for several weeks also. She too would enjoy hearing from you.

A COMMUNICATION FROM "BARITE ROSE"

The success of test drillings in the Mohole Project should not lead to over optimism. The letter below was received by me from "Barite Rose" along with the bottle (california wine) and its partially charred message. I pass it on to you.

I - Emma - Rockhound

Dear Emma:

My mule and me, we was a walkin the beach and we found this here bottle with the writin in it. I showed it to some fella out there an he says it's a Russian note but it don't look that way to me. Gas station man he says it's from some atomic submarine. Grocer man he says it's some kinda government Bopn dog. Drug store man (he's college) he says it's very important to somebody somewhere - maybe - so I send it to you. Please send the bottle back.

Barite Rose

This is a copy of the charred paper found by Barite in the Bottle (California wine) on the shore (Salton Sea).

U. S. A. MOHOLE NO. 1

Progress Report

April 2	Drilling	29,579	- Basalt
3	"	29,611	"
4	"	29,611	"
5	"	29,901	"
6	"	29,912	"
7	"	29,915	"
8	Circulated for samples at 29,929		
	Sample was 60% Andalsvidal basalt		
	20% ein dynasty meehan fragments		
	20% fragmented pitchfork tines		
9	Prep to run core barrel		
10	" " " "		
11	Coring 29,918 - 28		
	Recov.	2'	vitreous nickel - iron
		2'	intercalated globular ooze and blue ground
		2'	San Andree dolomite
		2'	missing core (core barrel melted bottom 4')
12	Prep to run drill stem test 29,918 - 28		
13	same		
14	same		
15	tool open 8 AM fierce blow immediately increasing to rasing in 20 second, mud to surface in 30 sec, live steam in 1 minute		
	Magma in 2 minutes, estimated 40 barrels per minute of magma, temp. 612°F, density 8.2 spectrographic determination. 80% Ni Fe, 20% brimstone; Shut in after 3 minutes, pulled tool loose and started out of hole. Two stands out, drill pipe unloaded magma, well began kicking.		
16	Blowout preventers closed - 10AM blowout preventers leaking steam and magma		

BARITE ROSE (concluded)

- 17 Blowout preventers failed completely magma flowing by heads; steam cloud now 4 miles in diameter over location.
- 18 Rig now listing 6° N E
- 19 Boiled fish appearing at surface for 15 miles radius around location. Moving in tender to shoot in attempt to bridge hole
- 20 Steam cloud now 12 miles wide 2 miles high. Prep to evacuate site.

ROCK AUCTION TO BE FEATURE FOR NOVEMBER

Just to remind you of the ROCK AUCTION in November. The success of this auction depends on the amount and quality of rocks and minerals you donate. This is an opportunity for all of us to increase the size and improve the quality of our collections.

The auction committee requests that during the week starting the 28th of October all donations be delivered to one of the following committeemen:

Don Crabbs
1360 Northlawn N E

Art Joldersma
1131 Four Mile RD N E

Casey Dornbos
1917 Rosemont S E

Arnold Wendt
439 Parkside Dr. N W

James Waldron
1111 Hazen S E

If you find it impossible to deliver your donation to one of the above please let Don Crabbs or Art Joldersma know and arrangements will be made to pick them up.

Again this year, we request that you fill out one of the bid sheets for each item contributed, noting the name of the item, location where found, and a minimum bid. These sheets will be available at the October meeting.

As Auction Night is very informal and we get a chance to do some "socializing" the committee, headed by Mrs. James Waldron will serve coffee and cookies. This year we are asking for donations of home made cookies. If you are willing to donate a batch of cookies will you please sign your name to the paper which will be at the treasurer's table at the October meeting?

Art Joldersma and Don Crabbs,
Co-Chairmen, Auction Committee

WHY DON'T WE DO THIS MORE OFTEN?

The Swap Party at the Lathrop's was a success! The Nordheims had a large selection of trading material including a Dinosaur bone. The Merricks had a nice selection, as did Mrs. Avise, and son John, who were guests. The Arnold Wendts had a nice selection of agate, wood, and Herkimer diamonds. Frank Van Loon did some fine swapping with his agate slabs. Jim Molenbeek had some native copper included in his trading material. Willard Iteen traded malachite from Africa, to the Lathrops, for white from Missouri. The barite will be used in picture making. Mary Anna Waldron and sons, John and Bob, had specular hematite, dendrites on dolomite and Washington wood to trade. Marie Spielmaker had a nice selection of small geodes, native sulphur and celestite from Clay Center. She was busy making some good trades. Augie Post found a piece of agate that he needed on the table of Clarence and Gertrude Ryan. He made his trade and also was busy taking pictures while Mrs. Post visited. Ken Lathrop was busy as a beaver. Besides trading he helped the other traders set up shop and close shop. The trading was going strong, until the clouds darkened the sky. A shower fell, but it didn't dampen the spirits of the swappers. Coffee and cake was served and enjoyed by all.

If some of our "horse-trading" ancestors could have seen us trading rocks they probably would roll over in their graves. Swap parties are fun and a great chance to visit and become better acquainted. More club members should attend. They don't know what they're missing.

We Lathrops would like to thank these fine people once more for making our rock-swap party so much fun and such a success

Jeanette Lathrop

A LITTLE ABOUT DINOSAURS

Some 5,000 species of dinosaurs have been noted by science, and periodically more are added to the long list. The form of life grouped as dinosaurs were not mammals, but are looked upon as a reptilian form of life that thrived on various parts of the earth during Mesozoic, over 100 million years ago. Amazing as it may seem, this form of life thrived over a very long period of time for approximately 135 million years various forms of the dinosaur roamed over the earth.

Science has divided the dinosaur into great orders, and many of the different forms existed at the same time, while others came in their proper sequence. The popular mind generally visualizes a dinosaur as a mighty and ponderous mass of mental stupidity. It is true that many of them weighed many tons, but it has also been well established that some members of the dinosaur family were very small - only a few pounds in weight.

Included in the family were those that were wholly herbivorous, while others ate only flesh of other animals, and some were omnivorous, like some of our modern forms of life.

Excerpt from July 1939 issue of The Mineralogist Magazine

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Phone 742-3383

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WYOMING, MICHIGAN

MINERAL GROUP MEETING

The Mineral Group enjoyed a couple of trips (via movies) to the western states and Canada with Mr & Mrs Casey Dornbos at the meeting held at their home on September 26th. We were very happy to see a number of new faces and hope they will become regulars at our meetings.

The next Mineral Group meeting will be held on Thursday evening, October 24th at the home of Mrs. Nellie Mead, 334 Briarwood S E at 8:00 P.M. Make a note of this on your calendar, please.

A LETTER TO YOUR EDITOR

San Pedro, Calif.

August 28, 1963

Dear Bob & Nina:

You don't know how much getting the Drifter every month means to me, reading it puts me back in Grand Rapids for a while and I especially enjoy the articles by our worthy president. I think he is in the wrong business, he should have been an editor of a daily newspaper.

We are both working every day and after being here a year still like it, the climate, scenery and being with our children and grandchildren.

This past month we took a two weeks vacation. We drove up the coast via highway 1 and 101 to Portland, Oregon following the coastline all the way, a most beautiful drive. We had our camping trailer with us and stopped in State Parks every night. There are some beautiful stands of virgin redwoods to be seen in northern California and southern Oregon.

After spending a few days with our son in Portland we drove south via highway 97 and 99, spent a whole day around Bend and Prineville looking for rocks, dug over 40 lbs out of the Friday beds and also acquired some wood. I had some swapping petoskeys with me but every dealer I contacted had more of them than I had with me, so no sale.

We visited Crater Lake, beautiful but cold, still some of last winter's snow there, the first we have seen up close but we did not get out and roll in it as we had found a long lost friend because to date we have not missed it. But I think it is beautiful when seen from a distance on Mt. Hood, Shasta, and lesser peaks, also the San Berdina Mts which we can see across the valley here.

It was a nice trip but it was good to get home again and in the groove, since I last wrote you I have joined the Palos Verdes Gem and Mineral society, a small club of 60 members but quite active and as I have found with all rock hounds, the nicest people and very friendly.

We hope that you are both well and if at any time you or any of our fellow members should come down this way, please look us up, we do have a spare room with twin beds.

I am enclosing my dues for '64, please see that it gets to the treasurer and thank you.

As ever,

Gus and Tess Beuker

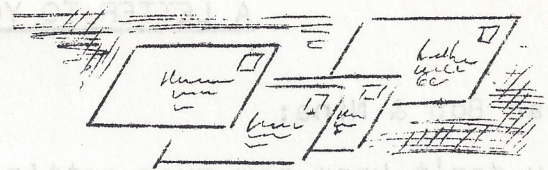
711 W 39th Street

San Pedro, California 90731

Editor's Note: Good to hear from our old friends and we are happy that they still remember us and take the time to tell us of their trip and activities. Hope we will hear from them again real soon.

Nina

MWF
10/16/63



LETTER OF THE MONTH

September, 1963

A LETTER FROM OUR NEW PRESIDENT

Dear Members:

I am indeed sorry that we were unable to attend the 1963 Midwest Federation Field Trip Convention in July at the Hibbing Area. We have heard many wonderful reports of this meeting and have had the pleasure of listening to all the tapes recorded at the meetings. I wish it would have been possible for me to thank each of you for the honor bestowed upon me in electing me President of the Federation. A very fine slate of officers was elected at that time. At the meeting it was pointed out that many clubs and their members do not know who their elected MWF officers are. The following officers will serve your Federation until the Muskegon Show and Convention next July:

- President - Russ Kemp, 16410 University Ave, South Holland, Ill
- Vice-Pres - Merton Yung, Michigantown, Indiana
- Secretary - Mrs. Katherine Steinbrenner, 2813 Patricia Dr.
Des Moines, Iowa
- Treasurer - W. H. deNeui, 6600 Cornelia Dr. Minneapolis 24, Min
- Historian - Dr. Ben Hur Wilson, 406 Grover St., Joliet, Ill.

These officers and the appointed State Vice-Presidents, Division Chairman, and Committee Chairman, will serve the Federation to the best of their abilities. If you as an individual, or club group have any ideas that you would like presented to the Federation, let us know your thoughts, and we will pass them on at the proper time.

During the past few years, it has been the policy of each President, to suggest the theme and for the Federation to work with that theme. We have information, that Mr. Al Keen, President-elect of the American Federation, will promote a "Know Your Neighbor" campaign, in his coming term of office.

With your kind permission, we would like to help in this campaign and use a theme that follows along this line. In addition, to "Knowing Your Neighbor", we feel that you should Enjoy Your Neighbor. Get to know the new members in your Societies, visit the new groups that have joined the NWF, make them feel welcome and help them to enjoy our great hobby. Let us as individuals and clubs visit and participate in as many meetings and shows as possible. Lets all ENJOY our friends and our hobby to the fullest.

In the cmonin year, Doris and I will visit as many shows and club meetings as we can arrange and look forward to seeing all of you in the near future.
Russ Kemp

MIDWEST FEDERATION'S " LETTER-A-MONTH" OCTOBER, 1963

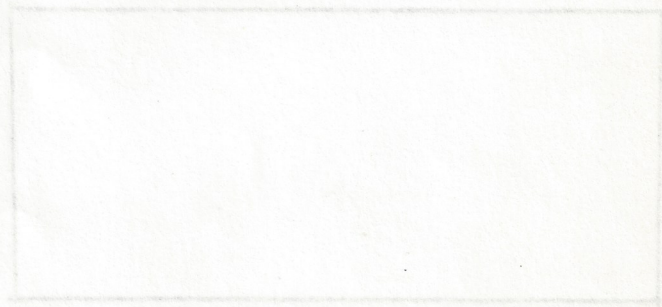
To Club Officers, Field Trip chairmen, and other interested club members:

The executive committee of the Midwest Federation of Mineralogical and Geological Societies has authorized collection of field trip information about mineral and fossil collecting areas for inclusion in the 1964 directory. The undersigned was appointed chairman of a committee to solicit this information from the clubs of the Midwest Federation and to prepare it for publication.

The healthy growth of the Midwest Federation in recent years indicates the wide interest in mineral and fossil collecting and the hobbies associated with this activity. If this growth is to continue and if the Federation is to be of increasing service to beginning collectors, it must make available to them information about areas where they can stimulate their interest by finding specimens. This is a proper educational function of the Federation and its member clubs, and as closing of some areas and restrictions on others limit the opportunities of the beginners, it becomes an ever-increasingly important function. Without places to collect, especially for the newcomers, the hobby that we all enjoy will wither away. But contribution of collecting locality information by the clubs, and education in their proper use by the Federation, will help nourish the interest that will keep organized collecting activity alive.

Enclosed with this letter is a blank detailing the sort of information that is wanted for the Directory. Each club may ask for as many copies as it needs from Haydon Peterson, Route 5, Box 229, Des Moines, Iowa. Completed blanks should be mailed as soon as possible, and not later than January 1, 1964, to Russell MacFall, 721 Foster Street, Evanston, Illinois.

Russell P. MacFall



Remarks:

Your name _____
Street _____
City _____
State _____

MINERAL AND FOSSIL COLLECTING LOCALITIES
(Please Print or Type)

Nature of specimen (as galena, or trilobite):

Brief description of deposit (under line appropriate word):

quality is (poor), (Fair), (excellent)

Found in:

Specimens are (rare), (abundant)

(County) (State)

Average size is (microscopic), (1 inch) or larger (how large _____)

Nearest town, landmark, or highway on road map:

Fossils are (casts), (replacements) (other).

Fossils are (limestone), (Chalcedony), (other).

Name or property owner:

Matrix is (Limestone), (shale), (other).

Geologic age is: _____

His address:

Minerals are (Massive), (crystals)

Street City State

Minerals are (loose on ground), (in gravel), (in Limestone), (in granite), (in shale) (In gneiss), or _____

Does he permit collecting: _____

Remarks about limitations on collecting or any peculiar conditions or dangers:

Are specimens suitable for lapidary use:

Are they suitable for micromounts, thumbnails; _____

Draw below a sketch of collecting locality, using as your starting point a town or highway that appears on a road map. Give mileages as exactly as possible and any landmarks.

Has description of locality been published?

Where and what date? _____

When was locality found: _____

Has it been heavily collected: (Yes) (no)

Is it suitable for a club field trip: (Yes) (No)

Remarks: _____

Information contributed to Midwest Federation of Mineralogical and Geological Societies by:

Your name street city state

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