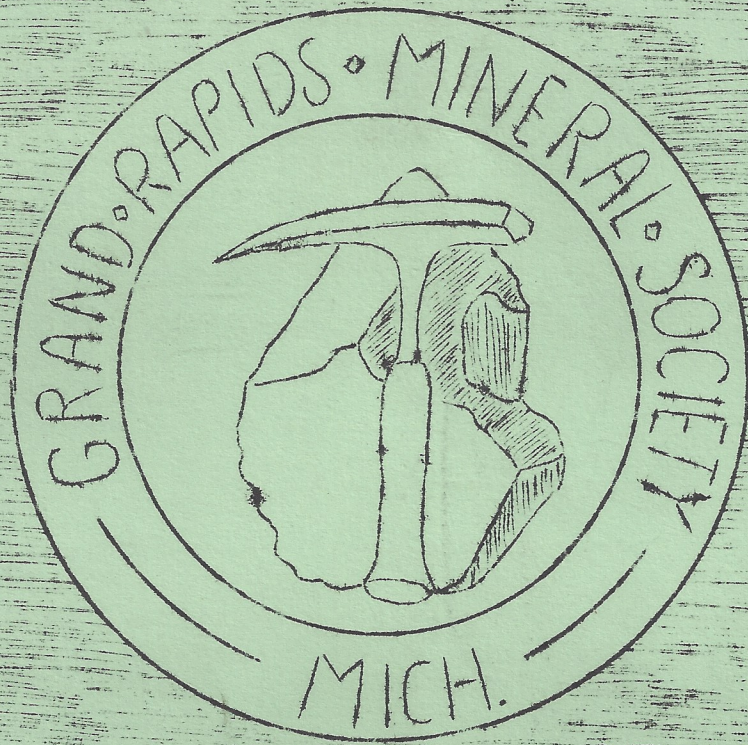


Volume 4, no. 3 = March, 1969



the

GLACIAL

DRIFTER

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President	Leslie G. Pearl	1563 Benning, N.W.
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The Glacial Drifter Staff

Editor	Mrs. Nina Rozema	1355 Hollywood, N.E.
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Artist	Mrs. Barbara Roys	1145 Veto, N.W.

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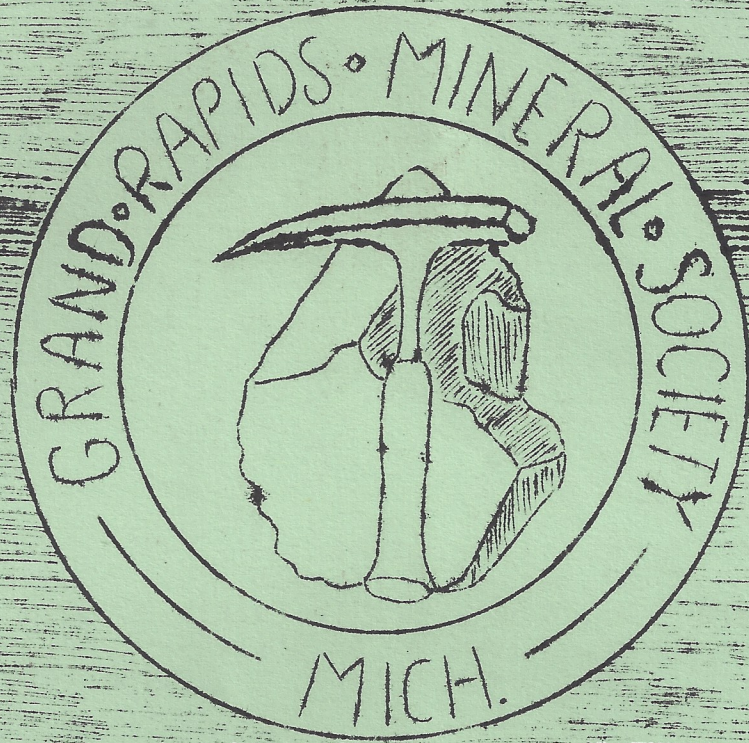
Permission to reprint material appearing in the DRIFTER is hereby granted provided proper credit is given.

Member of Bulletin Editors Association.

YOUR DUES ARE PAST DUE ! ! ! !

According to our records YOUR 1962 dues have not been paid. This will be the last issue of the DRIFTER you will receive until this matter has been taken care of. Dues are \$3.00 per year for a family, \$2.00 for a single adult, and \$1.00 for student (high school or under). You May send your check to treasurer Mrs Lucile Pearl, 1563 Benning N W, Grand Rapids 4 or pay them at the nextmeeting.

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By the time you receive this the Third Annual Rock Show will be in progress at the Grand Rapids Public Museum. We hope each and every one of you will drop in to see it and bring all your friends and relatives. The show will last until Sunday, April 1st.

MARCH MEETING

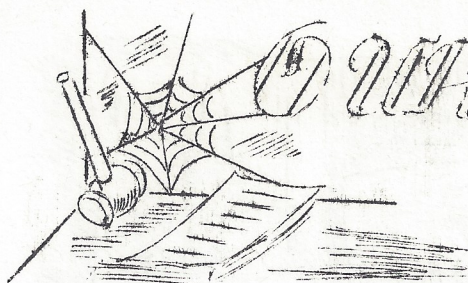
The regular monthly meeting of the Grand Rapids Mineral Society will be held at Riverside Elementary School, 2420 Coit N E at 8:00 p.m. on Wednesday March 14th.

After going through the Department of Geology at Michigan State University last month and hearing from Dr. Stonehouse a few months ago many of us will be glad to hear that the University of Michigan is having its turn this month. We will have as our speaker Dr. Kelly of Michigan's Geological Department. He will talk on Surface Geology in relation to various types of ore bodies. He will explain what the prospector must look for at ground level in the way of outcroppings, weathered ores, and the relationship of ore bodies to rock types when in search of the deeper lying minerals of economic importance.

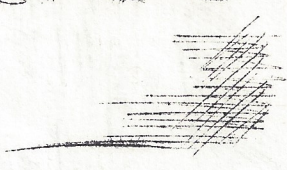
Many of you will no doubt remember Dr. Kelly from the program on modern scientific methods of mineral identification which he presented to our society approximately two years ago. Those of us who have had the privilege of hearing him in the past would certainly advise you to attend next months meeting if at all possible.

There will be drawings for door prizes. These will be on the 1962 membership card number. **HAVE YOU PAID YOUR DUES?** If not you should **DO IT NOW** if you want a chance at the door prize.

If you are planning on attending the Field Trip to the University of Michigan on April 8th you must register by March 14th. Details on this trip are to be found in this issue of the DRIFTER.



OUR PRESIDENT'S CORNER



By the time you receive this page the third annual exhibit of the Grand Rapids Mineral Society will be in orbit at the Grand Rapids Public Museum for the month of March.

There was quite a discussion beforehand about staging this exhibit -- whether to turn it into a commercial carnival, or to keep it on an intellectual level commensurate with the general cultural atmosphere of the museum.

We chose to attempt keeping the whole endeavor on a purely educational plane. The folks attending come not only to see but to question in every phase of this hobby. Of course, along with specimens and cutting materials, they wish to inspect the machinery necessary in the manipulation of jewelry manufacture. So we invited the various dealers of this area who handle this equipment to display their wares, not in the sense of competitors, but as media of knowledge and sharers of it.

The show committee has endeavored to allay all friction of interests and to mete space and recognition equitably. If, perchance, they have failed in some instance, please remember as adults, it is still human to err in smoothing the cloth of human contact. I wish to take this opportunity to compliment, and to thank them, for their time and effort expended in behalf of the exhibit.

If at any time through the month of March, you find you have some time unattached, please volunteer your services to host or hostess, for that time at your disposal, at the museum. Contact Mr. Fay Reed or Mr. Willis Atwell, your help will be appreciated.

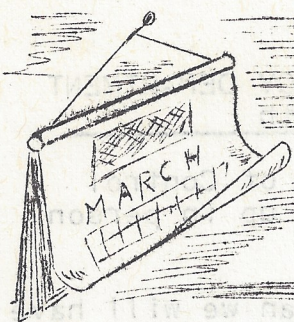
Whether or not we have attained or surpassed the excellence of our previous showings, is only for the general public to decide. That we have worked with diligence to achieve a worthwhile project is reward enough to all of us.

This is our expression of giving to our neighbors and to our community, an incentive which all the family can enter into for the benefit of mutual enjoyment and understanding.

Our field trip to Michigan State University on February 18th was very well attended, in spite of the bad weather. I wish to take this opportunity to thank Dr. Rose for arranging this trip and Dr. Stonehouse and his students for the fine welcome they gave us. These gentlemen gave a whole afternoon of their time to make our visit to MSU a most enjoyable experience.

Your president,

Leslie G. Pearl



CALENDAR of EVENTS

MONTH OF MARCH - "Rockiest Show in Town" at the Grand Rapids Public Museum. This is your chance to see what your fellow rock hobbyists have been collecting and making during the past year.

March 14 Wednesday, 8:00 p.m. Regular monthly meeting at Riverside Elementary School, 2420 Coit NE. Dr. William Kelly of U of M will be our speaker.

March 19 Monday, 8:00 p.m. Board of Control Meeting at home of Miss Edna May McDowell, 624 Kellogg S.E.

March 22 Thursday, 8:00 p.m. Mineral Group meeting at the home of Mr & Mrs Charles Sweet, 111 National S.W. Mr. Sweet will talk on his trip to the west coast and the borax mines and the economic value of the minerals from this area. Bob Rozema, group leader.

April 8 Sunday, 1:00 p.m. Field Trip to University of Michigan at Ann Arbor. Registration must be made on or before March 14th. Contact Les Pearl or Charles Sweet. Those desiring rides and those having room for riders are asked to make contact with either of the above mention men. (details on trip elsewhere in DRIFTER)

April 18 Wednesday, 8:00 p.m. NOTE CHANGE OF DATE. Regular monthly meeting of the Society.

May 9 Wednesday, Regular monthly meeting

May 18-19 Saturday and Sunday. KALAMAZOO ROCKFEST. Displays, dealers, auction, programs, demonstrations. More details next month.

June 8-9-10 ROCKRAMA at Rockford, Illinois Shrine Temple. Rock River Valley Gem & Mineral Society, hosts. GRMS is planning a field trip in connection with this show. We hope to have the arrangements made in time to publish in the next issue of the DRIFTER.

June 13 Wednesday, 6:00 p.m. Regular monthly meeting at CALEDONIA PARK SHELTER HOUSE.

July 27-31 American Federation and Midwest Federation of Mineralogical & Geological Societies combined 22nd Annual Convention and Show at Veterans Auditorium in Des Moines, Iowa.

FIELD TRIP TO UNIVERSITY OF MICHIGAN MUSEUM AND GEOLOGY DEPARTMENT
SUNDAY - APRIL 8th Registration by March 14th

This field trip was initiated by the previous Board of Control with Dick Rose making the contacts by letter followed up in person by Bill Atwell.

In the Geology Department at the University of Michigan we will have a guided tour of the laboratories and be shown the latest equipment. In addition, we will see the collection of the University of Mich. as well as the room with cases of specimens arranged according to the Dana system. This in itself would be worth the trip to Ann Arbor, but it will be combined with a tour of the Exhibit Museum.

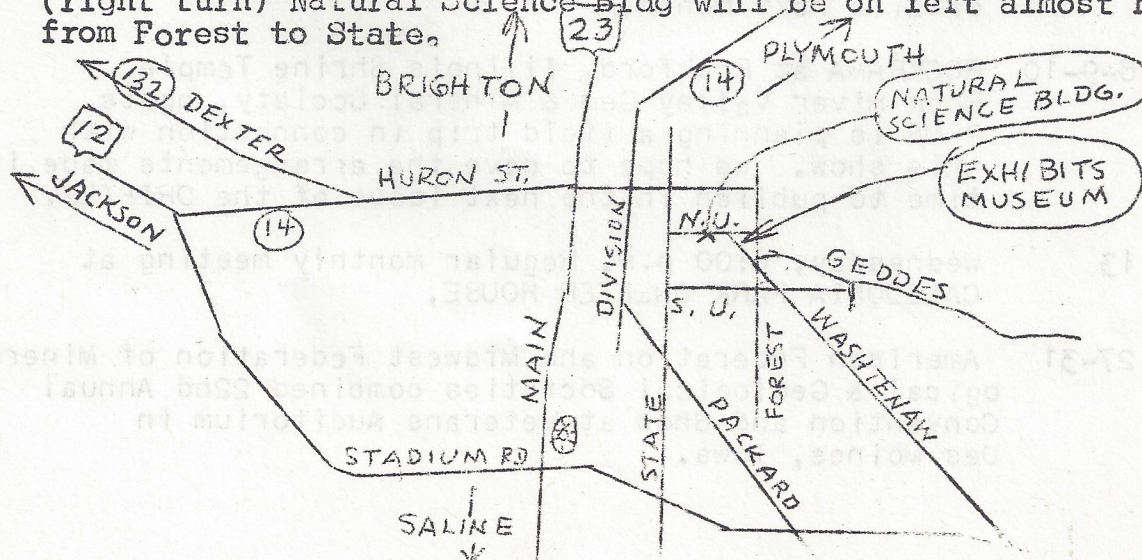
The Exhibit Museum tour will cover the second floor which is devoted to paleontology. In the fossil invertebrates section you will see the corals, trilobites and other marine animals which flourished in Michigan's ancient seas. There are also insects imbedded in amber. From the fossil remains have been created dioramas showing this prehistoric life in its natural setting and in all the beauty of color and simulated action. Among these are shown the Middle Cambrian fauna, a Michigan Coral Reef of the Devonian, Mississippian Crinoids or Sea Lillies, and Upper Cretaceous Marine Life.

Another section shows the Pleistocene period in Michigan and how things might have looked 10,000 years ago. There is also a reconstruction of a Coal-Age forest with comparable fossil remains. You will also see restorations forming a veritable zoo from Alley Oop's Moo - saber-toothed tiger, mastodon, duck-billed dinosaur, sail-back lizards, flightless Moa bird, flying reptile, sea monster, and a Nebraskan Rhinoceros.

Following this tour you are on your own to see the Michigan wildlife exhibits on the third floor, the hall of life, geology room, astronomy alcove and Indian dioramas on the fourth floor.

Plans should permit four hours for the combined tours plus time
(continued on next page)

Easiest route from either Brighton (US 23) or Jackson (US 12 - M 14) is Huron to Forest (right turn) then to N. University (right turn) Natural Science Bldg will be on left almost half way from Forest to State.



APRIL 8 FIELD TRIP (CONTINUED)

to look over the other parts of the Exhibit Museum, according to the University estimates. We will plan to meet at the Geology Department in the Natural Science Building at 1 p.m. The drive can easily be made in three hours --- those who fly low will make it in 2½ hours. The Museum closes at 5:30.

COST: Your own expense, plus the guide fee of 25¢ per person.

The University of Michigan will provide the guides at the Exhibit Museum at no cost to those on tour, HOWEVER they do require an advance notice of the number to be on the tour so they may provide sufficient guides for good service. It will be an unnecessary expense if more are provided than required. Therefore, we should have registration by the meeting of MARCH 14th. If you cannot be at the meeting, but want to go to Ann Arbor leave your registration with the Board of Control members during the show at the Museum or call Les Pearl or Charles Sweet. If you have room for riders or wish a ride contact Les or Chuck and arrangements will be made.

NOTE: To those of you who made the trip to M S U on February 18, the University of Michigan in my estimation offers much more to the amateur visitor than did MSU where the materials on display were minimal. Perhaps this is why the guide books on museum displays to see list the University of Michigan and Michigan Tech but do not list MSU. In case this critical comment might be misunderstood, in athletics my support goes to the green and white of my alma mater.

W W Atwell.

FEBRUARY MEETING IN REVIEW

We were indeed fortunate to have Miss Mary Jane Dockeray as our speaker for the February meeting. Her subject covered conservation and this is how she sums up the subject:

OUR NATURAL HERITAGE

"Rockhounding is a very 'earthy' hobby and exponents of this cult are usually well aware that the materials they collect are non-renewable natural resources. They are careful to leave undamaged specimens for the next fellow to enjoy and they realize that the muscles and nerves of our economy are based chiefly on our mineral reserves.

"This oil planet, Earth, is also capable of producing a practically endless supply of renewable natural resources -- soil, water, plants and wildlife. Man is an important strand in the web of life that reaches into all corners of the world. In order for us to maintain the standard of living which we enjoy, it is our duty and privilege to better understand the construction of this web. We must learn to manage a given resource to the best advantage for the most, over the longest period of time.

"Naturally, men have different attitudes, sets of values, and needs which affect the use or misuse of our resources. Many different "publics" may have to be served and satisfied. (continued next page)

February Meeting (continued)

"For instance: ask a resort owner around Traverse City what he thinks about the Michigan deer problem and he will probably say that he likes to have the deer around to delight the tourists and hunters. Then ask a cherry farmer what he thinks and he would like kill off the demons that dine on his orchard. You just can't satisfy everybody!.

"Public prejudice and indifference play a big role in our conservation efforts. The dyed in the wool "chicken-hawk" haters managed for years to keep necessary protective legislation from being enacted. At the present time the pesticides and herbicides problem is meeting the same opposition. Chemical companies, U.S. Department of Agriculture, the farm grange and other organized groups opposed legislation which would put the brakes on widespread, careless use of highly toxic, highly residual poisons which may very well pose one of life's greatest threats.

"In order to bring about acceptance of vital conservation measures, we must have an enlightened public. In other words, we must educate and then legislate. It may be that a well informed public will police itself without a heavy burden of legislation! What a goal!!

"Each one of us, in our own way, is a teacher. It is our job - not to 'let George do it', but to at least help make George's work a little easier by better understanding conservation problems and sharing this understanding with others. Above all, let us bring our children into a friendly community of living things, in hopes that they will strengthen the strands of the web where we have weakened them by leaping without looking."

The door prizes, a faceted spinel donated by Earl Werner was won by Miss Marie Spielmaker, and the petrified wood donated by Gerald Bloomfield was won by Mary Jane Dockeray.

A REPORT - MICHIGAN STATE UNIVERSITY FIELD TRIP

As we entered the Natural Science Building on February 18th, we were pleasantly surprised to see a large sign greeting the Grand Rapids Mineral Society. This was to be the first of many acts that the Geology Department had done to make our visit a pleasant one. We were allowed to browse through the museum while waiting for the group to arrive, and arrive they did, at least forty members, despite the near blizzard and drifting snow.

Dr. Stonehouse greeted us cordially and gave us printed sheets with the various stops listed. Because of the large number in attendance he suggested that we split up into small groups and visit the various rooms rather than attempt a mass tour under his guidance. Each room was well marked and had at least one student present to describe the displays present.

We started at the bottom and worked up, stopping first in the basement to find out what the Geophysics Department was up to. We were shown many pieces of equipment, including a magnetometer and a device for measuring gravity, and (continued next page)

A Report (continued)

a large heavy piece of equipment with a single carrying handle. I don't know what it was for but by the size and weight of it, it must have been something that an undergraduate has to carry. I understand that the farther along one gets, the less he has to carry until, at the rank of full professor, the freshman geology students carry you on their backs.

We visited the map library and saw hundreds of three dimensional maps in full color which any map lover would have loved to have his den papered in. We visited the library. The petroleum section. The room assigned to rocks and the room assigned to minerals. We learned how maps are made from aerial photographs and how photographs are used in prospecting. We looked through microscopes at thin sections, marveling at the play of colors in what looked like common rocks. Other microscopes were set up to view polished sections of minerals set in transparent plastic showing grain and crystal patterns. The student in charge said that these specimens had to be identified through the microscope for some of their tests. Sort of learning the fingerprints of the various minerals.

We snooped through drawers containing mineral samples that we would like to have been able to take home with us. Looked at mock-ups of glacial valleys that the students mix up plastic masses and run down to see the dynamics of glacial movement. We saw so many things of interest that it would take the entire DRIFTER to describe them.

One thing that I did not understand, however, was what the Paleontology Department had that interested Edna May McDowell so much. Was it the fossils or was it that young student who spent so much time explaining them to her? If anyone knows the answer I would like to know.

Richard W. Rose

PLIGHT OF A PROGRAM COMMITTEEMAN

First, this is an appeal for program ideas from the membership. Any ideas you may have, any special interests you may have, will be welcome. The Board of Control wants the meetings to reflect the desires and wishes of the membership. Pass on your comments to any officer or board member.

This is also a somewhat selfish appeal, because the matter of securing and insuring programs is no easy task as many of you well know. Probably the trials and tribulations experienced in securing the February program are a bit unusual, but you might be interested in what goes on behind the scenes.

Lowell Palmer, Augie Post and Bill Atwell are responsible for securing programs by appointment from Prexy Pearl. Lowell has a special assignment for the March show, Augie was absent when the board met in January, so the third member volunteered to handle February.

(continued next page)

PLIGHT (continued)

First call went to Miss Mary Jane Dockeray who had not appeared before the Society since the year one ... sorry, but she had a previous engagement, but the man who had taken over Helen Martin's work in the Geology Division of the Conservation Department might be a prospect. A couple of conversations later he decided that a Commission policy would be necessary, first.

The problem: the Department is short of funds ... not so many went hunting and fishing last year. The policy need: presently there is no precedent for accepting expenses and with the budget low a non-departmental expense would not be politic. But, chalk up a possible program for later in the year.

The University of Michigan was out, because Dick Rose has Dr. William C. Kelly for the March meeting (WHOOPIE) so maybe the best bet is Michigan State University. A nice conversation with friend Dr. Weldon Frase at the local M.S.U. Continuing Education Service brought agreement to try to get someone. Off to Lansing he went and returned a few days later with encouraging news, the head of the Geology Department was working on the program need.

Another check revealed no news, yet ... maybe, no news was good news. Next call was from Dr. Frase, via home, to Ann Arbor. Call M.S.U. The call was made, things were looking up. Our likely speaker - based on request we suggest the program content - was to be a glaciologist. Apparently, glaciologists in their skittering about on the ice acquire an elusiveness, because a call a second time from Ann Arbor to Lansing did not solidify the arrangements. However, it seemed pretty definite. (What do you do when you run out of money in a pay phone booth in the middle of an important call is another story to be told.)

The above narrative covers the interval of time between the January 15th board meeting and Lincoln's Birthday with the event set for Valentine's Day. The DRIFTER deadline was long since past and the members had received their copies.

Middle men and third and fourth parties could no longer be waited upon, so direct action was taken and the prospective speaker was phoned direct --- with fingers crossed. He'd have to check his schedule. Back he came and was so sorry, but he could not get away until 7:30. A fast calculation added 90 minutes and came up with at least 9 p.m. and a prospect for a later program.

Jack Kirkwood had given a mighty fine talk to the small group of intrepid travelers in late November. Here was a corking good program right in the club. Bright and early on Tuesday, before the fateful Wednesday, Jack agreed with one reservation - he had to cancel out of a party in Lansing which he was willing to do. Two hours later found that Jack could not cancel out of the Lansing affair, he was to be the speaker on F.H.A. - business before pleasure.

Augie Post was also a possibility, but time was rushing onward and a cold sweat was too much to endure. Hence a trip to the Grand Rapids Library film department. Eureka!! Two excellent
(continued next page)

Plight (concluded)

films on paleontology, one put out by Shell Oil and another by Sterling ... 24 minutes and 15 minutes, nearly 40 minutes, just about right. They were reserved with a sign of relief. Next to get a projector. Maybe the Museum's could be used, so a call at 5:10 p.m. - everyone gone ... so, check with Mary Jane Dockeray at home.

"Yup", said Mary Jane, "the Museum has a no loan policy, but what is the program?" She was told about the films and given a recital of what had transpired since our conversation almost a month ago.

"Maybe I can do it after all", she said, "let me check and I'll phone you back".

Eons passed in the next five minutes, the phone rang and a sweet voice said, "I'll be there."

She was, but to cap the climax a flat tire interrupted a happy trip to the February 14 meeting, on Coit just south of Knapp. The car flashlight was at home. The spare tire had never been out of the station wagon well, so how would anyone in the dark ever know the lid was secured with a thumb screw, who ever heard of a four piece jack that had to go one special place under the bumper, why did this have to take place in a ditch full of water--ice cold? May Jane in her talk - what we heard of it - answered the final question anyway - "run-off".

So away we go into March and April with programs - fingers crossed - definitely scheduled!!

But, there are still May, June, etc. etc., so please re-read the first paragraph in this little sad story.

Willis W. Atwell

MINERAL GROUP MEETING

YOU, if you are interested in minerals, are invited to join the Mineral Group which will meet on Thursday, March 22nd, at the home of Mr & Mrs Charles Sweet, 111 National S.W. at 8 p.m. Bob Rozema, group leader.

rozema's rockpile
776 Leonard N E (at Eastern) Phone 742-3383
"Everything for the Rock Hobbyist"

See the ROCK'S Slab-Trim Saw with the threaded cross feed and FRANTOM - POLY - GEMLAP lapidary equipment in our space at the MUSEUM SHOW or in our shop. We are open every day from 9 to 9 (except Sunday).

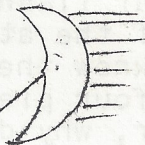
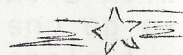
New mineral specimens and cutting materials being received every week. Findings of all kinds. Silver - sheet & wire.

Do You Know.....

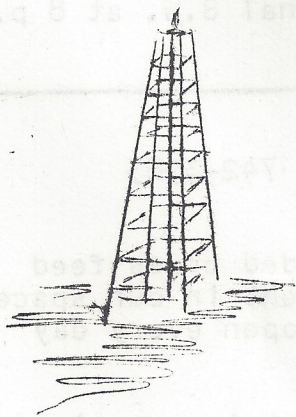
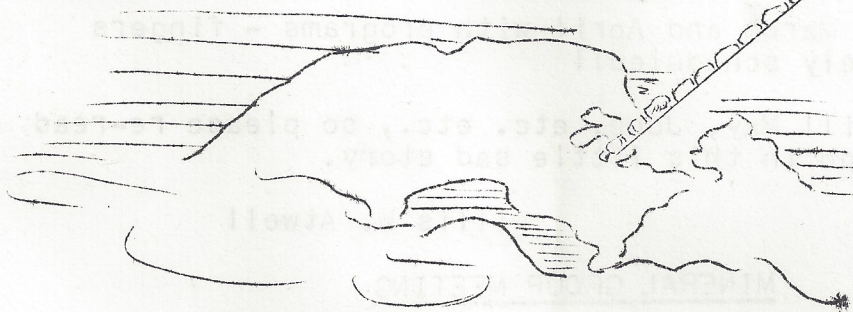
THAT MICHIGAN HAD A GOLD
AND SILVER RUSH IN 1845 WHEN
DOUGLAS HOUGHTON REPORTED
THESE METALS ALONG WITH
COPPER IN THE U.P.....



.....THAT MICHIGAN'S
COAL MINES STILL
HAVE ENOUGH COAL
TO FILL A FREIGHT TRAIN EXTENDING



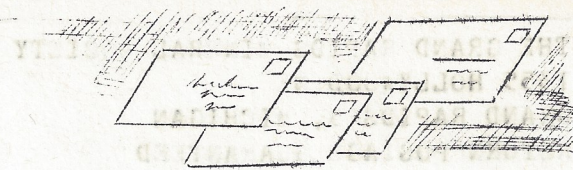
FROM EARTH TO
THE MOON.....



.....THAT THE BRINE "CUSSED" BY
EARLY SETTLERS WHO DRILLED
DEEP WELLS FOR WATER HAS NOW
PROVIDED ONE OF MICHIGAN'S MAJOR
INDUSTRIES ~ DOW CHEMICAL CO.....?

By Willis Atwell.

M.F.F.



LETTER OF THE MONTH

MARCH 1962

Subject: Your Club and Community Service

Clubs of purpose interests such as ours in the realm of our hobby are generally not considered in the same category of the many service clubs that coalesce to provide social and welfare benefits for those less privileged in most communities. This, however, does not imply that our clubs should not contribute some services to the community in which it exists and it would be advantageous if each club would see what contribution it makes to the overall community life. The contributions listed below might serve as a check list to see what your club does for those beyond your immediate membership.

1. Temporary loans to schools of collections of minerals, rocks, and maps, particularly of the local environ of the state.
2. Provide encouragement and help to boy and girl scouts and their leaders that wish to know more about our hobby. The club could contact local leaders and offer this service.
3. Donate to local library volumes related to our interests. Most community libraries are lacking in books related to our interest. Some of these books could be memorial volumes in honor of past members. Libraries usually provide book plates for such volumes, appropriately indicating donor and memorial.
4. Advise and aid participants in Science Fair projects.
5. Award prizes in related areas of our interests in the Science Fair.
6. Donate or provide specimens and items to local museums and school collections.
7. Support and enrich local hobby fairs, county fairs, art shows, and related projects with examples of our related interests and club activities.

Obviously we have not exhausted all possibilities but this is a good start on cataloging the functions and services a club may provide a community.

Dept of Science
Indiana State College
Terre Haute, Indiana

Dr. Benjamin Moulton
Director of Mineralogy for
Midwest Federation

THE GRAND RAPIDS MINERAL SOCIETY
1355 HOLLYWOOD NE
GRAND RAPIDS 5, MICHIGAN
RETURN POSTAGE GUARANTEED



MARCH 1962

Subject: Your Club and Community Service

Clubs of various interests such as ours in the realm of our hobby are generally not considered in the same category of the many service clubs that cooperate to provide social and welfare benefits for those less privileged in most communities. This, however, does not imply that our clubs should not contribute some services to the community in which it exists and it would be advantageous if each club would consider the function it makes to the overall community. A check of the items listed below might serve as immediate material.

Mr. Kreigh Tomaszewski
333 Richard Terrace S.E.
Grand Rapids 6, Mich.

1. Temporary loans to schools of collections of minerals, rocks, and maps, particularly of the local environs of the state.
2. Provide encouragement and help to boy and girl scouts and their leaders that wish to know more about our hobby. The club could contact local leaders and offer this service.
3. Donate to local library volumes related to our interests. Most community libraries are lacking in books related to our interest. Some of these books could be memorial volumes in honor of past members. Libraries usually provide book plates for such volumes, appropriately indicating donor and memorial.
4. Advise and aid participants in science fairs projects.
5. Award prizes in related areas of our interests in the science fairs.
6. Donate or provide specimens and items to local museums and school collections.
7. Support and enrich local hobby fairs, county fairs, etc. shows, and related projects with examples of our related interests and club activities.

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