

Volume 10, no 9 - MAY, 1968



The

GLACIAL

DRIFTER



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

Meetings are held the second Wednesday of each month at 8:00 PM at the Grand Rapids Public Museum, Multi-Purpose room, East Building. Summer meetings at various parks as announced.

Membership dues are \$3.00 per year for a family, \$2.00 for single adult, and \$1.00 for students under 18 years of age. Dues are payable to Treasurer-year is from September 1 through August 31 of the following year.

Advertising in the GLACIAL DRIFTER is at the rate of \$3.00 per issue, September through May only.

All material for publication shall be in the hands of the EDITOR no later than the Wednesday after the regular monthly BOARD OF CONTROL meeting which is the third week of the month.

Permission to reprint articles appearing in the GLACIAL DRIFTER IS HEREBY GRANTED, PROVIDING PROPER CREDIT IS GIVEN.

Member--National Editors Association.



CLUB EVENTS FOR MAY



- MAY 4, 1 p.m., Field Trip, Glenn, Mich. (see story)
- MAY 8, 6:30 p.m., Potluck Supper and Annual Meeting  
Museum East Bldg. (see story below)
- MAY 13, 7:30 p.m., Board of Control,  
Mrs. Davena Lett, 1111 Walsh St.S.E.
- MAY 22, 8 p.m., Mineralogy Group,  
Joe Parish, 2212 Thornwood S.W., Wyoming

SEE CALENDAR OF OTHER COMING EVENTS ON PAGE 2  
\* \* \* \* \*

MIDWEST FEDERATION PRESIDENT ELLIS COURTER  
TO SPEAK AT MAY MEETING

Potluck Supper...Election of Officers...Outstanding Speaker...make your reservations now for the biggest meeting of the year! BE SURE to call either Mrs. Ford Hurd, 895-6258, or Mrs. Charles Mumford, 453-4376, and tell them what kind of a dish to serve 10 (meat, salad or dessert) that you will bring. This is the only way our co-chairmen can be sure that a proper balance of food will be available. Bring your own table service; rolls, coffee and milk furnished.

Outstanding Program and Speaker: We are privileged to have as our guest and speaker at the May meeting Ellis Courter, President of the Midwest Federation of Mineralogical and Geological Societies. Mr. Courter will present a slide and sound program on "The Rock Pageant at Grand Canyon". Russell Greer, Michigan Vice-President of the Federation, will also be our guest on this occasion.

Election of Officers: Nominating Co-Chairmen Gordon Williams and Mrs. Sandi Feole have placed the following names in nomination for officers for next year: President, Henry Tchozeski; Vice-President, James DeZwaan Sr.; Secretary, Richard VanBeek; Treasurer, Robert Teunis; Historian, Mrs. Davena Lett; Liaison Representative, Dr. Robert Smith; "Glacial Drifter" Editor, Mrs. Robert B. Smith; Board Members, Mr. and Mrs. James VanVuren, Mr. and Mrs. Art Ferguson. Remember, it's your club and if you would like to see other candidates nominated, you are welcome to make nominations from the floor at the meeting. However, you should have the consent of the person concerned, before placing his name in nomination.

BOARD VOTES TO RAISE DUES

It had to happen -- rising costs (postage, paper, supplies, rentals, etc.) have affected G.R.M.S. along with everybody else, to the point where the Board has had to weigh its actions carefully to make ends meet and leave sufficient reserve for next fall's activities. Our dues have never been raised since the club was founded, nearly ten years ago. Now the Board has acted to bring our dues in line with those of other rock and mineral societies. Starting Sept. 1, Family Membership dues will be \$5, Individual Memberships will be \$3, and Student dues \$1. Still a bargain, don't you think?



## CALENDAR OF COMING EVENTS

- May 18, 19, "These United States" Rock Show--Kalamazoo Geological and Mineral Soc., County Fairgrounds, Kalamazoo, Mich.
- May 18, 19, Gems & Minerals Show, Cedar Valley Rocks & Minerals Soc., Armar Ballroom, Marian, Ia. Field trips Sat. and Sun.
- June 8, 9, Annual Rock Swap, State Line Gem & Mineral Soc., Fulton Co. Fairgrounds, Ohio 108 & Exit 3 Ohio Turnpike near Wauseon, Ohio
- June 20-23, Gem, Mineral & Lapidary Display at Waterford Community Activities Inc. Free Fair; sponsored by Family Lapidary Club; exhibitors welcome.
- June 22, 23, Cuyahoga Co. Gem & Mineral Rockrama, Co. Fairgrounds, Berea, O.
- July 25-27, 1st Annual Upper Peninsula Gem & Mineral Show, St. John's School, Ishpeming, Mich. Fri. field trip in closed mining areas, by advance registration only.
- Aug. 9-11, 3rd Annual Indiana Rock Swap, 4-H Fairgrounds, Bedford, Ind.
- Aug. 23-25, National Gem & Mineral Show and Midwest Federation Convention, Normal, Ill. (see April "Drifter" for details.)
- Aug. 31, Sept. 1, Iron County Rock & Mineral Club Rock Swap at Crystall Falls Township Hall (Junct. of Us-2 and 141 Highways)

ROCKFORD 8th GRADER WINS G.R.M.S. SCIENCE FAIR PRIZE: Chairman Nellie Mead announces that there were a number of good earth science displays in the recent Kent County Science Fair. Our own \$10 prize was awarded to Mary Anne Sloboda, 8th grader from the Assumption of the Blessed Virgin Mary School in Rockford, for her attractive display which included a board with igneous, metamorphic and sedimentary rocks, a hardness test set, scale for specific gravity, etc. Mary Anne's explanation was also very well done. We are hoping that she will be able to have her display at our May meeting so that we can all see it.

SOCIETY TO SPONSOR STEVE TCHOZESKI AT HIGGINS LAKE: The G.R.M.S. full scholarship to the State Conservation Camp at Higgins Lake is being awarded this year to one of our own younger members, Steve Tchozeski. Steve, a freshman at G.R. Junior College, has been a member of this club since it was started. His interest in earth science has included more than club membership, however, since he has participated in several summer workshops of the Michigan Basin Geological Society, including two in Canada, one in Wisconsin, and one in the Upper Peninsula. Steve ultimately plans to teach in some phase of earth science; his Higgins Lake Camp experience will give him an up-to-date look at conservation procedures, and college credit as well.

IN THE MAILBAG: "The Robert Smiths have donated a beautiful pin with pendant for the raffle at the annual meeting May 8. Since this is one of our big days to raise money for club expenses, we want to go all-out on the raffle and door prizes. We need three more extra-good items... jewelry, rock specimens, slabs or fossils...to raffle, and some nice items for door prizes. We are aiming for \$50 this night--no advance in the price of tickets, we'll have a good supply at 5 for \$1. If you have something to donate, dealers included, we would like to have it at least one day before the meeting. We can pick up the items. Call Le2-9135.

--Joe Parish

(filling in for the Rosses. Let's go all out for them.)"



FIRST FIELD TRIP OF THE SEASON -- Saturday, May 4!

Where? Glenn, Mich. What time? Meet on the beach at 1 p.m. The beach at Glenn, you know, is the source for septaria, those clay-ironstone concretions with the random calcite inclusions which make such interesting designs. This material has great variety of patterns (good trading stuff, we've found), takes a good polish (although it tends to break at juncture lines), and is not much harder than Petoskey so it is easy to polish. There are also good fossils, and some interesting compressed fossil material to be found in this area.



Directions: Take Highway 31 (US196) --whops! Take 21 to Holland, then pick up 31 just southeast of Holland--Leave the highway at the Glenn turnoff and go west. There is a 4-corner crossroads right in the center of the little town of Glenn. You take the blacktop going west, and in a mile or so you will come to Lake Michigan, at the top of a bluff. There is a turnoff here, with parking for some cars at the top of the hill--it is not usually wise to attempt driving down into the sand. Sometimes rockhunting is better to the south of this point, and sometimes to the north, but you'll find friends. Remember, however, that some of this is private property, so treat it as you'd want your own beach treated!

Let's hope for good weater--but won't it be fun to get out again, anyway?

WHAT TO DO?

by Alice M. Graham

After many years as an eager rockhound,  
Picking up beautiful rocks, wherever found,  
I know now the delightful hobby must end,  
Since the years have piled up, and so portend  
The approach of all sorts of ills to fend.

Now what shall I do with these beauties rare:  
Agates, fossils, Petoskeys and others to share?  
Each has a warm place in my heart,  
Which makes it doubly hard from them to part.

But AGE is no respecter of persons or rocks,  
So we must prepare ourselves to take the shocks  
Of giving up those treasures we hold dear,  
And hope they will pass along much-needed cheer.

DID YOU KNOW? Earliest existing rings are those found in tombs of ancient Egypt. They were of simple design, made of pure gold. Heavy and massive, they bore the names and titles of their owners. .... Incidentally, all the gold mined in history and accumulated as reserve to back up money is only some 40,000 tons. That amount of steel can be produced in one day.



"ROCK PUZZLE" by Ed Hellman (Ozark Earth Science Club)

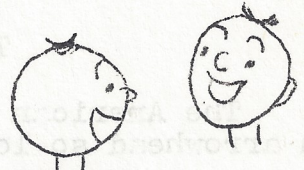
Names of 26 Rocks and Minerals can be found among these letters. Names are read forward, backward, up, down or diagonally. Draw a line around the name of each rock or mineral as you find it. Use each letter only once. (Answers will be found on page 5).

G D O L O M I T E Z A H A L I T E A B C A D E X I T E N  
Y B O B R A Z I N I C T Q C A E T R R S T W X I N Z B R  
P A O R A N E S Q R D O Z E B T W I S I D E R I T E C X  
S C N R S R M E A C E B X L D I A C M N T R I Q S Z B N  
U Z B C A O I N S O N R O E E L B T E T I B L I T S F C  
M O P A L X E T P N C X I S R O C O T E R U F B U L F N  
A B E S L T O R E A C B A T N Y M M T Z I R E O N X T W  
O P E L R S T O C M T W A I E R O I R W T E N R A G R N  
B A R I X T A M T W A B N T N G R T X M B X C T O W C F  
C C N C M Q U A R T Z A X E T D F R R H O D O N I T E R  
N B A B O R X A M Z N T W X Y E B F E D I A M O N D B E  
E M T Q K E R N E T E A B H S T M N L E T I X U A B L S  
P C R P M W P S E B M X N Z T I R W O R S U N T O U B E  
F N O O R S M C E Y N A X T X S S T B U W X R S O N A C  
O F L B R A P S D L E F R O R E P N I F A C S R K L M S  
M X I F E C A R O Z N E B P O L T M H L B O I N O P Q T  
E I T C E N E X O R Y P C A S G R C P U R T C N T W N M  
R W E R N F O F N Z Q X B Z E N B S M S E N F M I R E S  
S T O S S O D A L I T E B N G A N X A D G H I J K L J K



CONVERSATIONAL GEMS:

To continue a popular feature, bulletins from many other rock and mineral clubs will be on display for your perusal at the May banquet. You might particularly notice the very fine "Prospector", publication of the Muskegon County club, with a special article on the septaria which we will be seeking during our May 4 field trip (but the "Drifter" editor wants this one back). . . . . The May meeting won't be the first time Midwest Federation President Ellis Courter has visited us this spring. He attended our Museum Show, and expressed great admiration both for the content of the show and the fact that it was open and free to the public. "The admission-fee, sales-table, money-raising shows tend to attract mainly rockhounds," he added. "I wish more clubs would do something like this--you are doing a great service both for the public and for the good of our hobby." . . . . According to the Museum staff, 18,298 persons visited our "Living With Rocks" Show. . . . . Tsk, tsk, didn't anybody notice that we had the Olympic emblem upside down in the last issue? We expect to be boycotted. . . . . Dora and Ford Hurd are planning to attend the big National Show at Normal, Ill. in August -- anybody else? Remember, we'd all like to hear about your travel and vacation plans, or have a little article about it after you've come back home. . . . . Our Board of Directors has voted to offer the Museum our help on cleaning up the Indian Mounds, as well as our official recommendation that these Mounds be declared a Public Monument, in order that they may be given better protection. . . . . the Board would also be interested in some expression as to the value and interest in the recent lapidary class sessions. It might be possible, come fall, to set up a panel of lapidarist club members who would volunteer instruction in their own workshops to a few people for 4 or 5 sessions, with the understanding that those so helped would seriously plan to get their own equipment and continue with rock polishing. . . . Last minute news note: the Mineralogy Group will have a noon Potluck on Sunday, June 2 at the Horace Merrick's home in Muskegon Heights. . . . . Attention, Litterbugs: "And I brought you into a plentiful country, to eat the fruit thereof and the goodness thereof; but when ye entered, ye defiled my land, and made mine heritage an abomination." Jeremiah 2:7.



ANSWERS TO PUZZLE ON PAGE 4: --How many did you find?

- |              |               |               |            |
|--------------|---------------|---------------|------------|
| 1. Gypsum    | 8. Anglesite  | 15. Stilbite  | 22. Borax  |
| 2. Dolomite  | 9. Sodalite   | 16. Natrolite | 23. Quartz |
| 3. Barite    | 10. Pyroxene  | 17. Feldspar  | 24. Opal   |
| 4. Celestite | 11. Amphibole | 18. Topaz     | 25. Zircon |
| 5. Halite    | 12. Fluorite  | 19. Diamond   | 26. Garnet |
| 6. Cryolite  | 13. Rhodonite | 20. Sulfur    |            |
| 7. Kernite   | 14. Siderite  | 21. Bauxite   |            |

AIN'T IT THE TRUTH?

When gardening and yard-work come I've always "got it in the back".  
 But let a field trip plan be made and I will grab the old rock sack  
 And dig and tug and pound and haul, and walk and climb and never sit.  
 My aches and pains will disappear. My back won't bother me a bit!

--Ozark Earth Science Soc.



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## THE INGREDIENTS OF AN ARROWHEAD

The American Indian wasn't fussy about what he used to make an arrowhead so long as it could be shaped to suit the need.

Throughout the ages the Indian's choicest material for arrowheads was flint and the flint-related rocks such as chalcedony, agate, novaculite, jasper, opal, etc. He liked obsidian too. These are the silicon dioxide "glass" rocks of nature, and like glass, they flake beautifully in conchoidal fractures and shape easily into sharp cutting edges. Quartzite, which is a more granular silica rock was used quite extensively but it was more difficult to shape.

The Indians of the Eastern Seaboard were staryed for good flint-type rocks and their arrowheads are the ugliest of all, being made of slates, quartzite, trap rocks, schists, and all forms of rocks which a Wyoming Indian would have written off as worthless junk.

I have heard rumors of Wyoming jade arrowheads, but this I refuse to believe. The Indian was much too smart to wrestle with a tough, unsuitable rock like jade for projectile purposes. True, I once saw a white man make three jade arrowheads. They would have served their purpose but they were thick and clumsy--and terribly hard to make. The Indians of the Valley of Mexico make beautiful jadite human sacrificial knives. But they didn't flake them. They abraded, honed, and polished them into shape.

Probably the most spectacular "arrowhead" ever found was a fabulous fluted Early-man Clovis point struck out of a large quartz crystal. This diamond-clear point was found by a farmer in North Carolina who then took it hone to strike against steel to start his kitchen stove fires!!!!!! The now damage point presently rests in the Smithsonian.

Some arrowheads and spear points were made of wood, especially stunning arrows. Many were made of bone, antler, and tusk. The various Indian tribes bordering the Gulf of Mexico used gar fish scales extensively. And all Indians everywhere loved to make arrowheads out of wine bottles, telegraph insulators, and other glass articles. But best of all they liked to make arrowheads, spears, and knives out of the white man's iron. Barrel hoops were a favorite source, but any old blacksmith's iron stock was satisfactory.

Also the Indian traded beaver pelts and other choice items to the white man for steel arrowheads. Eierre Choteau's men brought the first of these to Wyoming in about 1822 from St. Louis. These steel points were somewhat diamond-shaped with a thin saw-tooth stem and they were almost always stamped with a St. Louis trade mark.

(E. Raymond Ring Jr.)  
(The Turritella Telegram,  
via Kalamazoo "Gems")



### IRIDESCENT JEWEL: THE PEARL

The pearl is known as the only jewel created by a living creature, either natural or cultured. Although every two-shelled creature can produce a pearl of some sort, the truly beautiful and valuable pearls are created by only certain oysters--the Pteriidae or pearl oyster, of the large Mollusca Phylum.

During the life of an oyster, its fleshy tissue, called the mantle, secretes and lays down molecules of horny material in precise orientation to produce an outer horny shell. Next to this, calcium carbonate crystals lie in tightly-packed prisms. The innermost layer, the nacre or mother-of-pearl, is secreted in extremely thin layers of limy material alternated with equally thin layers films of horn material. These layers provide the diffraction of light that produces beautiful iridescent colors, blue, green and pink.

Then if a grain of sand or other material gets between the mantle and the inner layer, it irritates the tissues, and the oyster secretes more mother-of-pearl to cover or wall off the foreign object. The shape of this growing pearl depends on the body zone in which it is produced. It may be spherical, or, if compressed, it may be lateral or pear-shaped.

The layers of nacre are built up slowly--at a rate of about three-thousandths of an inch per year. It takes an oyster about three years to make a pearl.

Natural pearls are those occurring naturally in the oysters. Cultured pearls are the products of cultivated oysters into which man has deliberately placed a foreign object. Artificial pearls have been made with spheres of thin glass filled with a special preparation of silvery scales of small fish. The cavity is then filled with white wax.

Kalanazoo  
"Gems"

### Lapidary Tips --

Chatoyant: Possessing a changeable luster like a cat's eye in the dark; from the French word "chat" meaning cat. Tiger-eye is the favorite stone in this class. Base of the stone should be cut parallel to the fibers.

Aventurescent: Possessing small flat twinkling inclusions which reflect light. Best examples are Goldstone, Sunstone and Aventurine Quartz. Rough should be cut so base is parallel to best reflection. Low, flat cabs for best color.

Adulurascent: The blue sheen or silver gleam characteristic of some forms of transparent or translucent orthoclase--Moonstone to us. Saw parallel to side showing best sheen and have a high top on the cab.

Labradorescent: A color due to interference of light within the stone. The best example, Labradorite, may be yellow, green, blue or red. Cut base of stone parallel to best color play. Finish cab with low or flat top.

--from the Rock Pile



## IT HAPPENED IN PERU

The exact date of the event and the date of the discovery is not given.

The Peruvian Indian dug burrows into the mountains hundreds of feet long and just large enough to permit the Indian to crawl through. This was done for the purpose of getting copper and turquoise, highly prized by the Incas.

One day as an Indian was working in his burrow, he came onto a great lump of dull reddish copper. Elated at such a find, he pried and hammered at the protruding edge of the tough metal. Soft and malleable it could not be broken. Anxious to secure his prize, the Indian swung his stone maul with all his might. It was the last blow he ever struck. As the heavy stone hammer hit the mass of copper, there was a grinding crash and he was buried under countless tons of rock.

Centuries passed. Then, one day, white man came to the scene of the earlier tragedy. Thousands of tons of the mountainside came down as exploding dynamite tore great gaps.

As the mine boss examined a rich vein of ore, uncovered by the blast he made a strange and gruesome discovery. There, protruding from the broken rock was a human leg, the foot covered by a rope-soled sandal.

Carefully the rock was cleared away to disclose the body. Beside it was a sack half filled with native copper and lumps of high grade ore. Still gripped in his dead fingers was the heavy stone hammer. The body was in perfect condition. Perfect because it had turned to stone. Through the centuries that had passed, water seeping through the crevices of the ore had deposited the mineral contents in the skin and flesh of the corpse until the body became a solid mass of copper.

Today the strangely preserved body rests in a glass case in the American Museum of Natural History in New York City, still wearing the loin cloth and holding the shaft of his stone hammer.

("Eseoni")

*Tips for silver workers* - A Stockton, Calif. club member uses stainless steel solder in silver work, as it is cheaper, easier to handle, and does a beautiful job.....The use of a brass brush is an efficient way to clean silver before soldering. It will also take out fine scratches. Use a circular brush and the center hole will fit the tapered spindle of the polishing motor.....Don't throw away those scraps of sanding paper that you trim off when fitting paper to sanding drums or discs. They fit nicely over thumb and fingers when sanding rings you are sizing, etc. Also, the coarser papers take off those annoying little balls that form all over your sweaters. ....Recent articles have strongly warned against using any solder containing cadmium -- it can cause poisoning and even death without warning.



### GEODES

Geodes are found in what is known as the ARSAW FORMATION, scattered over a wide area of Illinois, Iowa and Missouri, and centering around Keokuk, Iowa. They occur in the soil, glacial drifts, solid limestone and in the shale layers.

Their original matrix apparently is the Mississippian shale formation which blankets all of the area in which geodes are found. This would indicate an age of approximately 300 million years.

Size varies from microscopic to over 400 pounds. Average size is usually 2 to 4 inches in diameter. These usually contain the most highly prized occurrences of mineral inclusions. Inclusions are represented by Silicates, Carbonates, Sulfites, Sulfides and Oxides.

Quartz crystals are the most common. Possibly next in line would be calcite crystals in their various shapes and crystal forms. Also occurring is the chalcedony variety. Many geodes are packed with the powder form of Kaolin. Dolomite also occurs in a wide variety of hues generally in the form of its curved crystal with a pearly luster. Other inclusions are Barite, Selinite, Spahlerite, Flourite, Millerite, Pyrite Marcasite, Hemitite and many others.

A recent discovery has been quartz crystal geodes with double terminated quartz crystals sprinkled over the larger crystals like dew-drops. These have been popularly named Dew-drop Geodes and are quite expensive because they are rare and hard to find.

Also found are oil geodes. Crude oil seeping thru the shale layers fills the cavities with oil. These make a pretty nassy novelty type geode specimen.

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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. 84 - April 1968

## IT'S OUR BIG SHOW

-by June Culp Zeitner

Now is the time for all of us to make plans to attend our big Gem and Mineral show in Normal, Illinois from August 22 through 25. True, the Corn Belt Lapidary and Mineralogical Society of the Bloomington-Normal area is host club, but all the rest of the nearly 200 Midwest clubs are hosts too, for this is Our Big Show. The Midwest Federation, like the other 5 Federations, has an opportunity once every 6 years to be host to the National Gem and Mineral Show, the official show of the American Federation of Mineralogical Societies. Our last National show (in 1962) was at Des Moines, Iowa where the brilliant work of the Des Moines Lapidary Society earned us a reputation which will be hard to improve. It is up to all of us to help make this year's show the outstanding success that the Des Moines show was.

First we can help with our attendance. Since it is our annual official Midwest Convention as well, we can take part in the activities of Our Federation. We can enhance the Midwest's name by being truly friendly to all of our guests from other Federations. We can learn about competitive displays by taking our best work. The new rule booklet is simple and easy to follow. Any of our displays which win our Regional Competition will also be eligible for National competition. Even if we don't think our personal display will win, there is much to be learned from competition, besides showing that we are 100% behind OUR SHOW.

If we help with our presence, our displays, our hospitality, and our participation in Federation activities we can all take pride in OUR SHOW, but more than that we will make new friends, learn more about our hobby, and have a wonderful time we will never forget.

The special displays for the National Show are some which you have seen pictured on Lapidary Journal covers, and in Gems and Minerals and Earth Science. There will be rocks and gems from every

State in the Union. There will be the fabulous gold goblets and chalices of Bart Mann, a hobbyist whose work is so good he received a White House commission. You will see a miniature working model of an oil rig made of highly polished obsidian. The priceless ivory elephant, encrusted with gold and hundreds of precious stones, will be a special display from the Lizzadro Museum. You will see flowers made of stone, looking so lifelike that even a bee could be mistaken. You will see hand made gold jewelry, and have a chance to see how it is made. There will be rare fossils, perfect artifacts, exquisite carvings, mosaics and intarsias. There will be displays of some of the finest minerals from the Smithsonian.

Skilled hobbyists and Manufacturers will have demonstrations, and dealers from all parts of the nation will offer the newest and best in all the fields covered by the earth science and lapidary arts hobby. The swap area will give you a chance to build up your own collection by trading your good excess specimens for someone else's good duplicates.

You will see movies, slides, hear instructive lectures by National authorities, attend the bulletin seminar, the banquet, and other special events. You'll receive information about where to stop for field trips on the way back home. In short there will be something for everyone at OUR SHOW. Let's make it one we will always be proud of.

## CORRECTION

In our March issue under the article "Index of New and Discredited Mineral Names" by Margaret Yanasak, the issue of the American Mineralogist you should ask for when writing should have read, Vol. 51, No. 8 (August 1966).

Help Eliminate Litter Please



## PENNIES FOR SCHOLARSHIP

An old motto states that "A penny saved is a penny earned". We feel sure that no sane rockhound would throw pennies in the wastebasket and yet this is happening every day. When you toss that empty General Mills cereal box into the garbage without saving that 2-point coupon on the top you are throwing money away. EVERY Betty Crocker coupon point is worth 1/2¢ to the Scholarship Foundation so that 2-point coupon on the cereal box is worth one penny. Please do save the coupons and send them to us.

The Midwest Federation has sent in over 235,000 coupons - more than any of the other Regional Federations so some of you are saving those coupons. In glancing through our Midwest record book we find that almost one-third of our clubs have never sent in a coupon.

Our congratulations to the Wabash Valley Gem and Mineral Society upon attaining their 200% statue. Since February 1964 this club has sent in almost every single month without fail a contribution and a batch of coupons. Sometimes maybe only 10 or 12 coupons, sometime several hundred. This regular collection of their pennies and coupons at every single meeting has paid off for them and made them 200% without any big hard work money making projects.

We only have 59 non-participating clubs now as against 88 as of April last. If each of these clubs as well as some of our other clubs would stage a coupon drive it would help their status. We wish every club would participate but as our wise treasurer says... "no one owes the Foundation a gift - rather the donor owes it to himself to support this project which has done so much to improve the public image of the rockhound". Thanks to all of you for your support.

-Katharine Steinbrenner

## THE SPRING MEETING

of the Midwest Executive Committee will be held in Terre Haute, Indiana in conjunction with the Vigo Rock and Gem Club of Terre Haute on April 20-21 in the Science Building of the Indiana State University. The Executive meeting will be on Saturday, April 20, in room 108 of the Science building beginning at 9:00 A.M.

## SCHOLARSHIP FOUNDATION FOUNDER DIES

Harry L. Woodruff, Past President of the American Federation and one of the organizers and a Past President of the Eastern Federation, passed from among us on January 2nd last, in Pasadena, California. We lost a great friend, but one who will live on in our memory, especially for his wonderful contribution to our hobby world.

That the American Federation establish a Scholarship Foundation was his idea. It was first presented for consideration in 1958, and a committee appointed to study it. When Harry Woodruff presented the report of this committee at the annual meeting of the AFMS in Portland, Oregon, on September 4, 1959 it was enthusiastically received. Instructions were to begin solicitation of funds immediately. Mr. Woodruff announced he already had the pledge of \$100 from the Gemcrafters of Miami, the first society to contribute. Mr. Howell Lovell presented \$20, the first individual to contribute. And the Foundation was on its way!

Getting the news around was a laborious task in the beginning, with few clubs having club bulletins then. The going seemed slow. Five years later less than \$4000 had been collected. Some seemed to feel we might not reach the first goal of \$50,000 to get a student started from earnings of the fund. But there were others who didn't doubt it. The word was getting around. Each year brought new contributors and more repeaters.

Harry Woodruff never lost faith in his idea, and often expressed the wish that he might live to see our first goal a reality during his lifetime. He did see this dream realized. First there was a student at the University of Colorado; then the second at Harvard University, and the third at the University of Georgia. This year we hope to start two students.

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## STILL AVAILABLE

Exhibitors Manuals at 25¢ per copy. Uniform Rules at 15¢ per copy. Approved Reference List of Gem Names at 10¢ 1er copy. Write Tolson Radloff, 625 Winchester Avenue, Lincoln Park, Michigan 48146 if interested.



# Midwest Federation's NEWSLETTER

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## A MESSAGE FROM OUR PRESIDENT MR. ELLIS COURTER

A short time ago the Bureau of Outdoor Recreation, Department of the Interior, completed a rather extensive survey covering the outdoor recreational activities of the American people. The results of this report have just been printed in an attractive 25-page booklet which they call "Outdoor Recreation Trends". This report, in case you're interested, is available for 40¢ from the Supt. of Documents, Government Printing Office in Washington, D.C.

As a whole the report which covers a cross section of selected outdoor activities makes interesting reading -- until quite suddenly there comes the shocking realization that among all these supposedly favored outdoor activities there is not one single word about rockhounding-- and this, when you pause to reflect a moment, is downright shameful because much of our hobby is based on wholesome outdoor recreation for the entire family-- and at the same time it is contributing quite a few million dollars to the nation's economy.

It appears to me that this is not an intentional oversight on the part of the researchers, but rather our failure to make ourselves known. It is our failure to sell the worthiness of the many contributions which our hobby provides for the health and welfare of the American people. It seems to me that the time has come when we must do something about it-- and I say "we" because this is not a one man job. It will require the collective efforts of all the rockhounds in every mineral club in the country.

In keeping with this, I would like to commend Colleen L. Woods of the South Gate Mineral and Lapidary Club of South Gate, California for her very timely Guest Editorial in the Gems and Minerals (March 1968) Magazine, because in my continued page 2, column 1

## AFMS SCHOLARSHIP AWARD WINNER 1968

Elsie Kane White, president of the AFMS Scholarship Foundation, announces that Dr. Armand J. Eardley, Professor of the Department of Geology at the University of Utah, Salt Lake City, Utah has been named the 1968 AFMS Scholarship Award Winner.

Dr. Eardley writes: "I am much honored in having being chosen to receive the AFMS Plaque of Recognition for 1968. To be so rewarded by a federation with over 50,000 dedicated members in especially gratifying because no other earth science organization is as large, and I might add, as friendly. The possibility of selecting two students for \$500.00 scholarship awards is particularly attractive because graduate students are my particular delight."

Dr. Eardley is the author of over 50 bulletins, articles and books. He is widely known in his field and has received many outstanding awards, among them the Distinguished Service Award from the Utah Academy of Science. He is President of the Rocky Mountain Section of American Association of Petroleum Geologists; was president of the National Association of Geology Teachers, president of the American Geological Institute, and a number of other organizations related to earth science.

He is chairman of a Graduate Advisory Committee of about 20 Ph. D. degree students and 40 M.S. degree students. Many of his former students are now in positions of responsibility in universities and industry.

It will now be Dr. Eardley's job to select the students who will receive the Scholarship awards.

---THE BIG ONE--- AUGUST 22-25, 1968---



mind she has hit the nail right on the head. And so, with the gracious permission of both Gems and Minerals and Colleen Wood, I would like to restate the message. Says Colleen:

"ISN'T IT ABOUT TIME WE STOPPED TALKING TO OURSELVES? In every rock hobby magazine, there are articles telling what a wonderful group of people rockhounds are. Poems are written, editorials composed, and any day now, we can probably expect to hear songs being sung about the honesty, sincerity, helpfulness, generosity, friendliness, loyalty, reverence, independence, etc., of the members of our hobby.

So it's true. We think our people are just wonderful. We can, and do, point with pride to cleanup campaigns; scholarship funds, and work with museums, schools, and veterans' groups. But whom do we tell? Another rockhound. Who reads our bulletins and our hobby magazines? Mostly, other rockhounds.

"We have a great hobby. It requires us to use our hands, our minds, our ingenuity, our resourcefulness, our originality. But very few people outside our group are aware of any of these things. To most people, we are rather odd looking individuals who wander around the desert bent over like we had stomach aches, carrying strange looking hammers and big sacks. To most of our relatives we are the black sheep of the family with a strange habit of disappearing on every weekend and holiday and getting excited over a bunch of dirty rocks that clutter up our yards, patios, garages, and houses.

"What has your club done in the past month to improve the image of your hobby? What have you done in the past year as an individual? How many displays have you set up in a library, bank, savings and loan company, city or county office building? You say you displayed in your club show. Well, that's fine, but who came to see it? More rockhounds? Many clubs take minerals to their local schools for the youngsters to study. Have you done this? While you were there, did you take time to talk with the earth science teacher, or the children, about your hobby and the wonderful things you have learned from it?

"Have you ever visited another outdoor hobby club meeting-- a camper club, hiking group, trail bike organization? They are probably pretty

## SCHOLARSHIP

Is your club "in the pink"? That is, are you among those listed in the pink pages of the 1968 Directory? If so you are among those that are 100% or better. Get a new Directory and look over this wonderful list. We are so proud of our Midwest clubs, 89 are 100% or better and 4 are 500%. Before the summer is over we will have many more 100%ers for many of you are close to this goal and are supporting the Foundation with checks and coupons.

Since our last Newsletter the Chicago Lapidary Society and Peru YMCA Gem and Mineral Club became 500%. The Illowa Gem and Mineral Society became 300% and the Black Hawk Gem and Mineral Club of Moline and the Miami Valley Mineral and Gem Club of Ohio became 100%ers.

Please keep saving those Betty Crocker coupons (every point is worth 1/2¢ to us.) Send them to Mrs. W. H. Steinbrenner, MWF Scholarship Chm., 2813 Patricia Drive, Des Moines, Iowa 50322. It would help if you would trim the coupons a bit since we do not need the entire box top. . . only the little coupon at the one end. Also we would appreciate it if you would count the coupons and keep a record as to the number sent us. Please do put your name and address as well as the name of your club and number of coupons on the inside of the package. . . in this way proper credit can always be given your club.

Thanks a million, Katharine Steinbrenner.

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nice people, too, and many of our interests are the same. Have you ever written a newsy article for your local newspaper? True, maybe they won't print it right away, and maybe never, but have you TRIED to tell the story of your hobby to them? If you do it well, with enthusiasm and good taste, you just might capture their interest. You may get a feature story. If you can impress upon just one person that we are not a bunch of anti-social desert rats, but instead, lively, interesting, creative people-- THAT'S PROGRESS."

To this very excellent advise, I must say amen. Now then, let each one of us start doing something about it. And with that I rest my case.

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