

FEBRUARY 1984

THE GRAND RAPIDS MINERAL SOCIETY

BOARD OF CONTROL

Rich VanBeek

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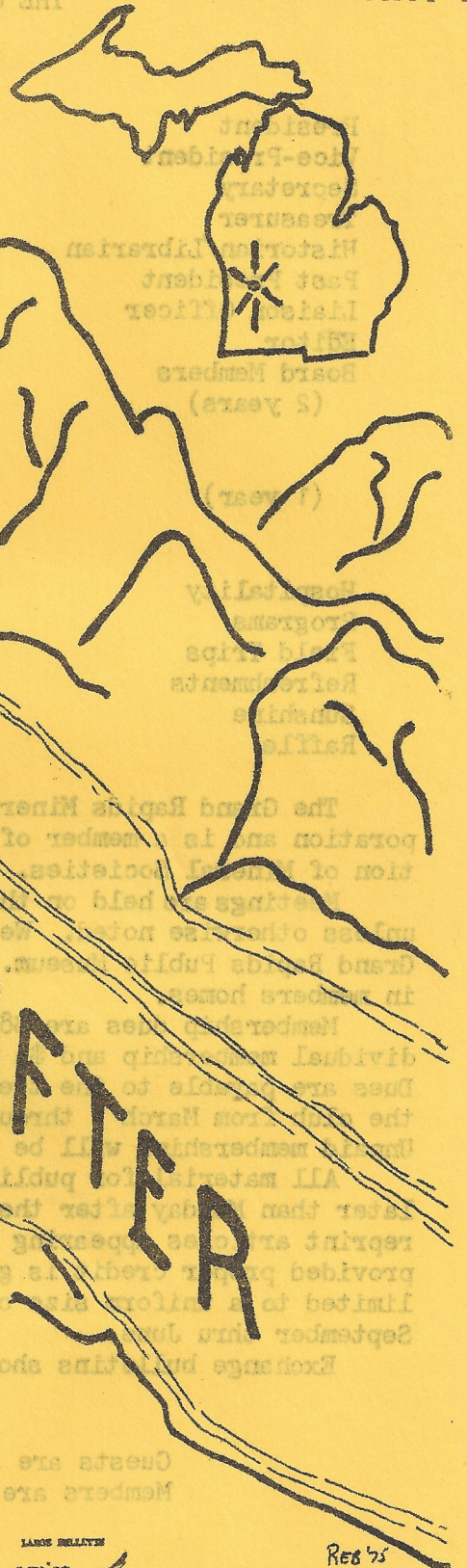
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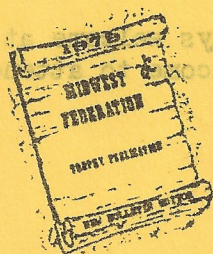
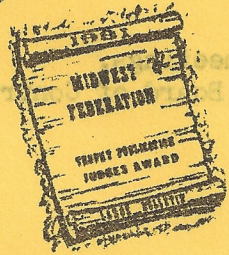
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# GLACIAL THE DRIFTER



Res 75



# THE GRAND RAPIDS MINERAL SOCIETY

## BOARD OF CONTROL

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Vice-President	Ron Brumley	531-4555
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	Lucile Pearl	532-6929
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Field Trips	Marguerite Petersen	
Refreshments	Marie Duprey	532-3841
Sunshine	Lucile Pearl	532-6929
Raffle	Ruth Beauvais	534-3871

The Grand Rapids Mineral Society (founded 1958) is a non-profit corporation and is a member of the Midwest Federation and the American Federation of Mineral Societies.

Meetings are held on the third Wednesday of each month at 7:30 p.m. unless otherwise noted. We meet in the Multi-purpose Room, East Building, Grand Rapids Public Museum. Summer meetings are held at various parks or in members homes.

Membership dues are \$8 per year for a family; \$6 per year for an individual membership and \$4 per year for a student under 18 years of age. Dues are payable to the treasurer in September of each year. Those joining the club from March 1 through July 31 shall pay one-half the annual dues. Unpaid memberships will be dropped from the roll in December.

All material for publication shall be in the hands of the editor no later than Monday after the regular monthly board meeting. Permission to reprint articles appearing in THE GLACIAL DRIFTER is hereby granted provided proper credit is given. Advertising in THE GLACIAL DRIFTER is limited to a uniform size of one-third page at the rate of \$3 per issue, September thru June.

Exchange bulletins should be sent to the editor.

Guests are always welcome at meetings.

Members are welcome to attend Board of Control meetings.



# THE GLACIAL DRIFTER

Volume 26

FEBRUARY 1984

Number 6

## G.R.M.S. CALENDAR

Wednesday, Feb. 15 7:30 p.m. Regular Membership Meeting  
Grand Rapids Public Museum. Program: "Greece, Egypt  
and Thera Island" by Nellie Mead

Monday, Feb. 20 7:30 p.m. Board of Control meets at the  
home of Ted and Marie Duprey, 3326 Badger SW, Wyoming

Sunday, Feb. 12 3:45 p.m. Show Program in the Museum  
Multi-purpose Room: "Anything Goes in Rockhounding -  
Almost" by Bob Beauvais

Sunday, Feb. 19 3:45 p.m. Show Program in the Museum  
Multi-purpose Room: "A Trip Through Watkins Glen"  
by Rich Van Beek

Sunday, Feb. 26 5 p.m. Show ends; cases removed

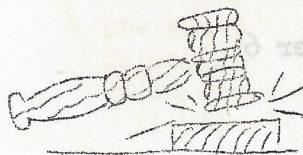
## COMING EVENTS

<u>Feb. 25-26</u>	AUCTION	<u>Livonia, MI</u> - by the Roamin Club at Schoolcraft College, 18600 Haggerty Rd.
<u>Mar. 16-17</u>	SHOW	<u>Benton Harbor, MI</u> by Blossomland Gem & Mineral Society, Orchard Mall, Napier & Pipestone
<u>Mar. 16-17</u>	SHOW	<u>Grand Haven, MI</u> by Beacon Rock & Fossil Club Civic Center
<u>Mar. 25</u>	SWAP	<u>Allen Park, MI</u> By Midwest Mineral & Lapidary Society, 15871 Philomene
<u>Mar. 24-26</u>	SHOW	<u>Jackson, MI</u> by Michigan Gem & Mineral Society Old Armory
<u>Mar. 28-31</u>	SHOW	<u>GRAND RAPIDS, MI</u> by Indian Mounds Rock & Mineral Club, Eastbrook Mall
<u>Mar. 30-Apr. 1</u>	SHOW	<u>Flint, MI.</u> by Flint Rock & Gem Club, Williams Community Center, 3501 Minnesota Ave.
<u>Apr. 28-29</u>	SHOW	<u>Mt. Clemens, MI</u> by Mt. Clemens Gem & Lapidary Society, Community Center, 300 N. Grosbeck



Gavel Gab

BY THE PRESIDENT



Our 25th Annual Rock Show is under way! The exhibits are in - the demonstrators are demonstrating - our hosts and hostesses are hosting and hostessing (or should I say "doing their thing") - and our speakers are speaking.

Come and join the fun if you have not already done so! Whatever your interest in rocks you should find it represented at our show. If by any chance your particular interest is not represented and you are wondering who to blame, may we respectfully suggest that you will find him or her in the mirror!

There has been some confusion and discussion as to whether this is our 24th or 25th show as evidenced by the signs. Our club was organized in November of 1958. We did not have a show our first year. The first show was in the spring of 1960. So figure it out, count 'em (when you run out of fingers and toes use your eyes, ears and nose), or use your computer (if you have one) and you will find that this is our 25th.

The same basic reason is the cause for the confusion with the years. Some of you may remember that in 1950 there was a great deal of discussion as to whether this was the last year of the first half of the 20th century or the first year of the second half, and more recently whether 1980 was the first or last year of a decade. And although we are in the 1900's, this is the 20th century.

Our reminiscing this month will also serve as an introduction to a topic which was discussed at our last board meeting and is being brought before all of our members for your consideration.

In 1962 our club president, Les Pearl, was the recipient of one of the scholarships of the garden club to the Conservation Camp at Higgins Lake. He was so impressed and enthusiastic about the program and purposes of the camp that he proposed that the Grand Rapids Mineral Society begin a scholarship to this camp. A committee was appointed. Almost immediately after leaving office Les died of a heart attack while shoveling snow. The board adopted his idea and named it in his honor: "The Leslie G. Pearl Memorial Scholarship." As you all know Les was the husband of Lucile Pearl, still one of our most active and loyal members.

Margaret Cox, a ninth grade earth science teacher at the Old South High School was the first recipient of this scholarship. The recommendation of the committee was that the scholarship be made available to a teacher, or a leader in the Boy Scouts, Girl Scouts, Campfire Girls, YMCA, YWCA or some related activity in Grand Rapids. The person from the museum in charge of the summer program should have first preference.

For many years this scholarship was awarded. Then because of the increasing cost and difficulty in finding people who met the criteria this program was put on the "back burner." We began a scholarship fund in the hopes that eventually it would grow sufficiently over a period of time so that we would be able to use the return on the investment to grant scholarships in the future. We would not use the principal, only the interest, dividends, etc. The coffee receipts and donations in memory of the deceased members were to be used to build up this fund. It was also hoped that we would receive other donations.

-concluded on page 5-



# SHOWTIME!

On Sunday, January 29, our 25th annual show, aptly titled "25 Years of Rockhounding," opened at the Grand Rapids Public Museum. Our club members have provided a well-rounded exhibit of our hobby. Let's take an imaginary tour, entering from the east door, even though for the general public that's an exit rather than an entrance.

Just inside on the right, Mary Honton with Ted and Marie Duprey have set up an exhibit with a microscope, a magnifying glass and some very nice thumbnail-sized specimens - to let people know that "small is good" and "tiny is better" - at least with minerals. Next, Rich Van Beek has an informative case on fossils and how they are formed. Bob and Ruth Beauvais' display shows a variety of rocks and minerals collected thru the years they have devoted to the hobby - some are self-collected (including the beach pebbles we usually all begin with) and others purchased. Next, Marge Petersen has a well-arranged case of fossils from her large collection. Adjoining this is Mary Honton's case of gems and minerals of the Bible, complete with two marble tablets, bearing the Roman numerals I-V and VI-X to represent the Ten Commandments. Herm Prins has displayed his lovely crystals, which he calls "mineral flowers," on white cylinders of various heights, creating an esthetic exhibit. Against the inside wall, Karl DeBack has an educational display of faceting, with his faceting machine, diagram books and instruction books along with some very well faceted stones.

Across from this is the case of Ernie and Ruth Potter showing some of the minerals they collected during 1982 on their far-flung travels. They title this "Rockhounding - 1982 - As You Find It," proving that minerals are still

available for the finding if you go to the right places. Using these specimens as they are found also helps new collectors see what they need to look for.

Heading back east now, we find the case - four sides of glass - with the specialities of Clarence and Thekla Berndt of the Indian Mounds Rock and Mineral Club. Clarence shows his finely detailed slate carvings (1st prize at the MNF show in 1983) while Thekla has some beautiful gemstone trees on polished agate bases, all accented by their hand-crafted jewelry. Next, Ted and Marie Duprey have filled another case - this one with some excellent thumbnail specimens. Indian Mounds Rock and Mineral Club is represented in the adjacent case set up by President Don Van Dyke and showing some excellent minerals, crystals and polished stones, many found by Don and Lois on their last trip to Missouri and Arkansas last fall. Don calls it "Rockhound's Dream" - and dream we do!

Next we find a display of fluorite by the Roger King Family. This time Roger has decided to show us some of his smaller specimens which are as excellent as the large ones he is famous for. Adjoining this is the exhibit in which cousins Roger King and Roger Klaska have joined together to show quartz family minerals, including one extra special large Keokuk geode found on the club field trip last summer.

Now we're back almost where we started and ahead of us is our club case, displaying the club emblem which was created in stone by members many years ago, with our bulletin award plaques and some of our bulletins plus a nice display of shark's teeth loaned by Bob Tuinstra. These

(continued -  
next page)



OUR SHOW (concluded)

represent some of those he found last year in Florida while field tripping with club member Henry Tchozeski.

From here we turn to the right where the individually owned cases are set up. We find one of Indian artifacts by John Donker of Tulip City Gem and Mineral Club of Holland, and another by his brother, Rand, of copper mining artifacts. Also from Tulip City is a display by Jeannette and Gordon Boone of thumbnail specimens and copper minerals while another Holland member, Frank Bolhuis, has a fine display of Lake Superior agates.

We have several cases from the Indian Mounds Rock and Mineral Club members - our neighboring club. Leon and Naida House have a striking single specimen of copper and silver - it sits alone in lovely splendor. Don and Lois Van Dyke have a nice case of agates from New Mexico and Mary Reveal has a beautiful display of hand-crafted jewelry. To end the exhibits we have two cases by John and Marge Potter. One has many beautifully polished cabs artfully arranged, while the other is filled with mirror-shining Brazilian agate halves, some with pictures easily seen by an imaginative viewer.

As visitors enter from the museum lobby they are faced with our rock sale table which is always surrounded by children eager to buy their rocks and there are many adults equally interested. The Duprey's with Ernie Potter and Pete Boogaart have placed some really large specimens on the "Touch Table" and Ruth Steele has added to the display by making braille labels.

On our first Sunday, Bob Beauvais was busy demonstrating on the lapidary machinery, Ted Duprey was surrounded by those eager to view minerals through his dual microscope, while Marie Duprey and Ruth Beauvais were busy making gemstone trees.

Our week-end crowds have been good. Keith Johnson has arranged for hosts and hostesses at the sale table, but we can always use other members

on the premises. We especially need lapidary demonstrators for Sunday afternoons.

Marguerite Petersen has arranged the programs and we still have two to come: On Feb. 12, Bob Beauvais will have a slide show "Anything Goes in Rockhounding - Almost" and on Feb. 19 Rich Van Beek will take us on "A Trip Through Watkins Glen" February 26 is the last day of this, our 25th show.

- Mary Honton  
and Ruth Beauvais

WE ARE DEEPLY APPRECIATIVE to all who have helped with this show: Mary Honton for all her preliminary work; and for being so active at the sale table; Lucile Pearl for helping wherever she could on set-up day; Ruth Tuinstra for typing the labels; Keith Johnson for being so available for whatever was needed; Mary Honton for the delicious bar-b-que which staved off starvation during set-up; Ruth Steele for the nice hot soup; Ted and Marie Duprey who worked both on Friday afternoon and Saturday to get everything ready; Bob Beauvais for getting the lapidary machinery to the museum; and all those whose names we forget to mention in this article. And, thanks to all those who have displayed, both from our club and others. We really appreciate it.

## WHAT'S A ROCKHOUND?

-One who drives a thousand miles to get material for his rubble heap.

-One who keeps his eyes on the ground so he can see the stars - sapphire, that is.

-One who buys his wife a \$425 dining room set so he can put rocks in the china cabinet

REAR TRUNK

What's your definition of a rockhound?



## AN INVITATION FOR US

On Saturday, Mar. 17 the Indian Mounds Rock and Mineral Club will sponsor a trip to the Lizzadro Museum of Lapidary Art in Elmhurst, Illinois and members of the Grand Rapids are invited to join them.

Lizzadro is a public museum founded to house and display gems, minerals and objects of art made of gem materials, and to promote interest in the lapidary arts and the study and collecting of minerals and fossils. The museum is well known for its collection of carved jade and ivory masterpieces as well as intarsia and other examples of lapidary art. It also has a fine gift shop.

The chartered Greyhound-type bus (with indoor plumbing) will leave the Sunset Park Church of God parking lot (3450 Michael SW, Wyoming) at 6:30 a.m. (all time references in this article are to Michigan time) on March 17. We will stop for a coffee break later in the morning at a rest area. The club will furnish the rolls for this break, but you must furnish whatever beverage you wish to drink.

We hope to arrive at the museum when it opens at 11 a.m. and will then be given an introduction to Lizzadro and a slide presentation about jade carving after which we will be free to browse until lunch time. There are two options for lunch: one is to eat at a nearby restaurant serving Chinese and American food; this is the only restaurant within walking distance of the museum. The other alternative is to bring a sack lunch and beverage and eat on our bus which will be available at the museum for this purpose from 12:30 to 1:30 p.m.

After lunch you may browse again - there is plenty to see - and at 3 p.m. you may take in a movie at the museum entitled "The Delhi Way." We will leave for home at 4 p.m. and will stop for supper at a restaurant en route. We expect to be back at the church by 8:30 or 9 p.m.

The cost for this entertaining and informative trip is \$18 per person. This includes rolls for the coffee break, admission to the museum, bus fare and bus driver's tip. If you are interested make your reservation at once by phoning John Kuipers (534-9398) or Don VanDyke (669-6932). Full payment must be made not later than Tuesday, February 21 - when the Indian Mounds club meets. It's a great opportunity - don't miss it!

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## GAVEL GAB (concluded from page 2)

Some of these receipts every year are given to the AFMS Scholarship Fund.

At our last board meeting the matter of this scholarship was again brought up. Among the things discussed were: finding out if the Higgins Lake course (one week) is still available; what the current cost is; the possibility of paying part of the cost; or giving a grant to a geology student at a school other than the Higgins Lake Camp. No decision was reached. It was decided to approach our members and ask you if you know of anyone who might benefit from this. It can be a member or non-member, perhaps even you. Obviously, the award will not be large. The most important criterion is that the recipient be one who will pass on the knowledge he or she has gained.

- Rich

SHOP HINT Keep polished cabochons in photo-slide "protector pages." The pages fit in a 3-ring notebook and each page has 20 individual pockets. The cabs are easily visible but are protected. (submitted by Ray Kunc via REAR TRUNK and SMOKE SIGNALS - 1/84)



MINUTES OF THE BOARD OF CONTROL

The Board met at the home of Lucile Pearl at 7:30 p.m. on Jan. 23, 1984. Present were Rich VanBeek, Bob and Ruth Beauvais, Marguerite Petersen, Roger King, Ted Duprey, Bob and Ruth Tuinstra, Cecil Sefton, Lucile Pearl, Ron Brumley and Beryl Joyce.

The minutes of the last meeting were read and approved. Treasurer Ted Duprey presented his report. We had an income total of \$29.10 and expenses of \$97.08 with the checking account balance of \$385.14. Total funds, including the savings account and scholarship fund are \$1,435.76.

Bob Beauvais made a motion to reimburse Marguerite Petersen for money she paid in Keokuk last Memorial Day weekend; seconded by Bob Tuinstra and carried.

Marguerite Petersen nominated Marie Duprey for the Education Thru Sharing Honors Program. Our club will submit her name and accomplishments to the MWF.

Moved to adjourn.

- Beryl Joyce  
Secretary

A GRAND RAPIDS CAVERN

On July 4, 1976 during normal mining operations a cavern was discovered in the Grand Rapids Gypsum Co. mine on Butterworth Ave. Bore holes for explosives were being drilled into the mine walls. After drilling a two-inch hole for seven feet, no resistance to the auger was encountered. When the auger was removed, confined air under pressure was reported escaping from the hole for twenty-eight hours. The mine wall was then pushed in, exposing a 100 meter cavern. The first person to enter the cavern was mine foreman Russell Pellerito, after whom the cave was named. He reported the air to be very thin as he and his crew proceeded toward the far end of the cavern.

The cave can only be entered from the mine. It trends in a southerly direction about one-quarter mile south-west of the mine entrance. The survey was started at the farthest end of the cave and terminated at a survey station in the mine. While examining the cave it was noted that sand, of possible glacial origin, was present in the far end. The presence of this sand would indicate that at one time the cave was opened to the drift; the drift being a possible source of the water which carved the cave. This entrance, now sealed, probably collapsed as the relatively soluble gypsum was dissolved away from under a sequence of gray-green shale and dolomite of the Michigan formation. There is little or no evidence as to where the water drained, but the cave floor is covered with large amounts of shaley debris sloughed off the ceiling, which may be blocking the drain. At the time of the survey there were some pools of standing water, but no flowing water and only traces of dripping water in the cave itself.

(from an article written for the 1976 Annual Conference Fieldtrips Guidebook of the National Speleology Society - thanks to Keith Johnson)

Shortly after the Pellerito Cavern was discovered, a small group from our club was privileged to tour it with the mine geologist. Rick O'Beshaw made the arrangements. The cavern had been reported to be full of crystals; however, these crystals were not the individually terminated selenite crystals found in the Michigan Natural Storage Company mine in Wyoming, but a deep pink pencil rock, variety gypsum, which glistened in the light of the headlamps. It was a unique experience and a privilege we all appreciated.

- Ruth Beauvais

"If you are one of the people who can't see the bright side of things, polish the dull side!"

- OSHKOSH QUARRIER via

ROCK CHIPS 2/84



# Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. BETTE Smith, 10807 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

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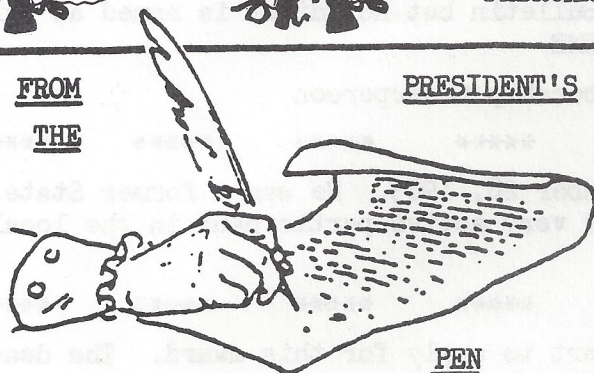


FEBRUARY 1984 - Issue No. 241

FROM

THE

PRESIDENT'S



PEN

We welcome two new people to our roster:

Minnesota State Director: Ida Webb, 2600 West 87½ Street, Bloomington, MN 55431

Lapidary Arts Chairman: Bruce Lundin, 8233 Major Ave., Morton Grove, IL 60053

Being part of the American Federation gives us, as clubs, access to one of the most comprehensive mineral charts ever to be published. These 'Minerals of the World Charts' are printed on glossy paper

and are in full color. They contain over 200 mineral photo plates with the name, crystal form, class, hardness, cleavage, streak color listed in the Index. All crystal forms are featured across the bottom of the chart, the Index along the side.

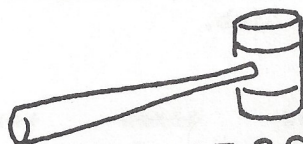
They may be ordered for \$10.00 apiece from the AFMS Chairman, Mr. Glenn Lee, 704 SW 31st Street, Pendleton, OR 97801.

This is another service of your Federations to your club.

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*Rex*

EXCERPTS FROM THE STATE DIRECTOR'S MESSAGE IN MGAGS BULLETIN -  
WINTER, 1984 by Florence Hill



BUSINESS  
MEETING

Items of interest from the November 5 meeting of the Midwest Executive Committee in Oshkosh, Wisconsin. The recommendations of the special committee appointed in July by Diane Dare to come up with a solution to the problem of the honorarium to be given judges at a Federation Show were adopted. The changes this makes are, briefly: (1) the judges' honorariums at a Federation Show will be paid by the Federation, the amount to be subject to approval by the MWF President; (2) the chairman of the MWF Uniform Rules Committee

shall submit a budget covering all other expenses for judging the competitive exhibits to a club whose bid for hosting a Federation Show is accepted; this must be done in advance of a club bid if the bidding club requests it.

The Midwest Mineralogical and Lapidary Club of Dearborn is submitting a bid for the 1987 or 1988 MWF Show. Host clubs for the coming years are as follows:

- 1984 July 5-8 Wisconsin Geological Society, WI State Fairgrounds.
- 1985 Sioux Empire Gem & Mineral Society, Sioux Falls, S.D.
- 1986 AFMS combined, Michiana Gem & Mineral Club, South Bend, IN
- 1987 Not confirmed. Springfield, MO or Dearborn, MI

After the treasurer's report and the 1984 budget had been approved, President Rex Webb pointed out the fact the Midwest Federation had been spending five or six thousand more dollars than it was taking in for the past few years. From a balance of about \$35,000 on hand several years ago, the current balance has dropped to about \$15,000. He said that many expenditures must be cut, and charged the Long Range Planning Committee with finding a way to balance the budget.

Kitty Starbuck presented the Federation with a check for \$3,009.21, half of the profits from the 1983 MWF Show. This is the standard financial arrangement for MWF shows.

REMEMBER NEW DIRECTOR OF SUPPLIES, NANETTE AIKEN, 219 Park Drive, Glenwood, IL 60425





INDIVIDUAL MEMBERSHIP - John R. Hartmus, 50 Sheppard Rd., Frankfort, Ohio 45628. John is interested in Geology & Lapidary.

ILLIAN GEM GUILD - Glenwood, IL. There are ten adult members of this newest addition to our Federation. They meet monthly at members homes. The current President is Carol Downing, P.O. Box 472, Glenwood, IL 60425. The Earth Examiner is the Club Bulletin but no Editor is named at this time.

WELCOME

Mary Edwards, Membership Chairperson

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HE WILL BE MISSED Armin Steinhauser passed away December 28, 1983. He was a former State Director of Minnesota and Geology Chairman of the MWF. A very active participant in the local clubs around Minneapolis, MN.

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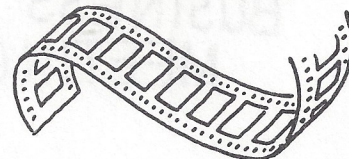
ALL-AMERICAN FEDERATION CLUB AWARD Time is getting short to apply for this award. The deadline is March 1. Let me pass some observations that may help you.

1. Follow the outline in the stops shown on the application. Make sure the items you mention belong in the category where they are called for. Make sure the report is not all mixed up.
2. Be brief, concise and factual. Tell what exactly happened and when and how. If you helped a museum in some way, tell exactly how. Remember that just visiting a museum doesn't help as much as if you worked in the museum or the club donated 'X' dollars or provided 'X' number of specimens from someone's collection.
3. Include only significant supporting evidence. Letters of commendation and letters indicating activity are far more important than souvenir napkins, or cancelled tickets. Don't make a notebook or scrapbook, make a document. This may seem like too much work but remember you are really writing a chapter in the history of your club.

Benjamin Moulton, Merit Awards Chairperson

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MORE NEW SLIDE PROGRAMS ADDED TO MWF RANCHO LA BREA TAR PITS - Los Angeles by Carol Anderson (83 slides, subject: paleontology) Here is a look at the history, both geological and social, of the very unique La Brea Tar Pits in Southern California. This program includes a review of the exciting fossilized finds made to date and an insight on the tedious work of examining the deposits for ancient animal remains.



ART IN THE ROCK HOBBY by Hazel Kuntz (100 slides, subject: lapidary, jewelry, silversmithing) Humankind has always felt the need to express themselves artistically. Hazel has done a beautiful job of taking us, via her slide program, on a walk thru early artistic expression. She then brings us up to date by showing us what our fellow artisans are doing today. I particularly liked her challenge to us all in her final slide when she says simply..NOW YOU TRY IT!

Margaret M. Pearson, Education/Education thru sharing Chairperson

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ACTIVITIES IN ARCHAEOLOGY (Taken from the Newsletter of the Wabash Valley Archaeological Society, Terre Haute, IN) In February a leading scientist will be in Indiana speaking on early humankind fossils and development. Richard Leakey, who continues the fossil study traditions of his parents, Louis and Mary Leakey, in East Africa, will be on the I.S.U. campus, Terre Haute on February 15-17, 1984. Information on lectures open to the public will be available from Phil McClure, 6841 E. 750 s., Elizabethtown, IN 47232.

The Northwest Indiana Archaeological Assn. has announced tentative plans for a workshop, 3rd week of June 1984. They plan to work at a multi-component site in Jasper County which has strong similarities to expressions in Northern IL. Please contact the above for further details.

Glen R. Hanning, Archaeology Chairperson



THE DULCOTE GEODE

The Dulcote geode, first found in 1976 in Somerset County, South England, is also called the Bristol potato stone. The geodes are mined by Messrs. Foster Yoeman Ltd. and Wesses Impex Ltd. at the Dulcote Geode Mine. The exterior of the geodes is smooth and rather potato shaped. They are fundamentally two different types. Some nodules consist of a solid red and white eye-agate, with some having occasional purple bands. The solid geodes are much desired by the lapidary, as well as the specimen collector.

The hollow nodules have either white quartzite or calcite rims, with red agate and they contain various types of crystals. The crystals may be white to clear quartz, pale amethyst, morian, smoky quartz, or calcite. Some quartz crystals may have calcite crystals growing on top of them and sometimes the crystals have inclusions of goethite needles.

The Dulcote geode is a very unusual specimen, with its bullseye pattern and attractive bright coloring, and would be a welcome addition to the collector's display case.

by Effie in ROCK-TALK  
via THE GLACIAL DRIFTER (Topeka, Ks)

ASBESTOS

Asbestos at the present time is considered one of the major causes for occupationally associated diseases. How did this extraordinary mineral become the number one culprit today? The ancient Greeks used it as matting and for perpetual wicks in their oil lamps as does Zippo today. Asbestos occurs in nature basically in two forms - serpentine and amphiboles. Serpentine is a disilicate with chrysotile as its major example while the amphiboles are monosilicates with tremolite, actinolite and crocidolite. More recently much evidence is being noted that asbestos fibers can be a carcinogenic agent. A high incidence of lung cancer is being seen among asbestos using workers. It is not understood how asbestos fibers react to the lung tissues to cause cancer. It is interesting to note also that the relationship of talcum powder to ovarian cancers in talc-using women is now under study. Talc, like asbestos, is a disilicate. Asbestos has been and can be an important mineral to our way of life.

via THE VIRGINIA PEN  
and ROCK ROLLERS

"The hardest thing in life is knowing which bridge to cross and which to burn."

- CRYSTAL GAZER (1/84)

DRIFTING ABOUT

On a Saturday night Marguerite Petersen had the misfortune to be driving on 28th Street when a car slid out of a driveway and into her car. Fortunately she was not injured, and her car was patched up so she could drive home.

By this time, Ruth and Bob Tuinstra should be enjoying the Florida sunshine with Henry and Bette Tchozeski. Your editor and publisher also expect to go that way before the next club meeting.

One of the things we hope to do is to investigate the museum advertised at Cartersville, Georgia. You may expect a report in the next issue.

We received a nice letter from Stan and Eva Way who are set up at Study Butte (say Stooddy), Texas for the winter. He says Eva is doing much better and they are enjoying the quiet life and the sunshine.

How about some news from you?

We have requests for displays from the Grand Haven and Indian Mounds Clubs - you have the material - why don't you?



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