

JUNE 1971



GRAND RAPIDS
MINERAL

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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 7:45 p.m. in the Multi-Purpose Room, East Building, Grand Rapids Public Museum. Summer meetings are at various parks as announced.

Membership dues are \$5. per year for a family, \$3. per year for a single adult, and \$1. per year students under 18 years of age. Dues are payable to the treasurer. The year is from September 1 through August 31 of the following year.

Advertising in the GLACIAL DRIFTER is limited to a uniform size of one-third page at the rate of \$3. 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, provided proper credit is given.

Member - National Bulletin Editors Association.

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EXCHANGE EDITORS - PLEASE NOTE: Address all exchange bulletins to:

Mr. Gordon Williams, Editor
2038 Parade NW
Grand Rapids, Michigan 49505

the Glacial Drifter

Volume 13 No. 10

JUNE 1971

G.R.M.S. CALENDAR

JUNE 1971

JUNE MEETING: June 9

PICNIC AT IDEAL PARK

PROGRAM: Dr. Stonehouse

June 23 - Mineral Study Group meets at the
Beauvais home 7:30 p.m.

July 14 - Picnic at Ideal Park

Program: "Show and Tell"
(a time to bring your
braggin' rocks)

Our club has again been saddened by the loss of a faithful member - Cornelius (Casey) Doornbos. He had been a member since 1962 and had served our club well on many occasions. His enthusiasm for our hobby made him a popular member and he had helped many a beginner to get started. Our sympathy is extended to his wife, Sena, and to her family.

CALENDAR OF EVENTS

- June 5-6 State Line Gem & Mineral Society's Annual Rock Swap at Fulton County Fairgrounds, Wauseon, Ohio; junction of Ohio Turnpike, Exit 3 and Ohio 108. Free camping, small fee for electricity. Rock donation appreciated.
- June 5-6 Rock Swap & Sell sponsored by the Miami Valley Mineral and Gem Club, Fairborn, Ohio; 6 miles west of Springfield, Ohio, Rte. 40, ¼ mile north of Donnelville. Free camping on grounds.
- June 11-13 Eastern Federation Convention and Show, Lake Placid, N.Y.
- June 23, 24, 25, 26, 27 Oakland County Fair. C.A.I. Building and grounds, 5640 Williams Lake Road, Drayton Plains, Mich. Family Lapidary Club will exhibit and display.
- July 16-18 Winnipeg Rock and Mineral Show, Winnipeg, Canada.
- July 18 Rock Swap and Flea Market, Lapeer County Gem & Mineral Society; Cranston Park - 10 a.m. to 6 p.m. Booth \$1. Bring own display tables. Buy - sell - trade
- July 22-25 MIDWEST FEDERATION SHOW AND CONVENTION, MANSFIELD, OHIO
- August 14 INDIAN MOUNDS & GRAND RAPIDS 3RD ANNUAL ROCK SWAP
New location - Gaines Township Hall, 68th & Kalamazoo SE
- September 11-12 Lake Erie Gem & Geological Society Annual Rock Swap & Display; Floral Hall, Lorain County Fairgrounds, Wellington, Ohio
- September 24-25 Tulip City Gem and Mineral Club Show, Holland Civic Center, Holland, Mich.
- October 1-3 Flint Rock and Gem Club Show, Belle Vista Mall, Grand Blanc, Mich.
- October 9-10 Illowa Gem & Mineral Society Show, 17th St. & 6th Ave., Moline, Ill.
- October 15-17 Central Michigan Lapidary & Mineral Society Show, Michigan National Guard Armory, 2500 S. Washington Ave., Lansing, Mich.
- November 5-7 Greater Detroit Gem and Mineral Show by Michigan Mineralogical Society, Light Guard Armory, 4400 E. Eight Mile Rd., Detroit, Mich.

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SPECIAL!! Rich Van Beek recently received a letter from Congressman Gerald Ford dated May 27 in which a \$12,000 grant for work on the Norton Mounds was announced. This is a matching grant-in-aid under the Historic Preservation Act of 1966. Specifically this is to help "protect and restore our country's architectural, cultural, and historic heritage.

FROM THE PRESIDENT'S ROCK ROO-- (pardon me!) GARDEN

We have been spending more time outside than indoors lately, getting some flowers planted around our larger specimens that must stay outside. The summer rock hunting season is upon us. Our trailer is serviced and ready to roll as soon as we get a few days off. Our swap box is recently repacked and ready.

The Grand Valley geology field trip was a great success, with a bus load plus one--Mr. Frankfurter rode on a folding chair in the aisle amid the kidding and good-natured banter of the riders. A collection was taken for the Museum Bus Fund. This added to the amount of extra money in the transportation fees totalled \$17.80. Earlier in the morning, June Smith led a group of science teachers and club members on a tour of the Georgia-Pacific gypsum mine on East Paris Road. So it was a full day for rock-hounds.

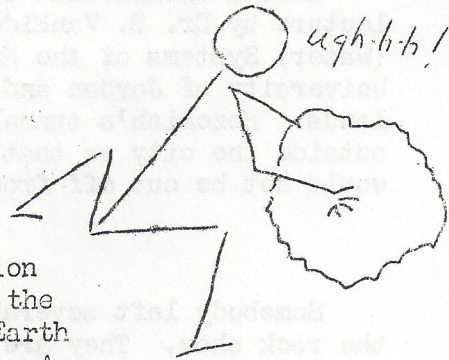
I have often wondered why no fossils have been found at the Natural Cold Storage Gypsum Mine. Now it has happened!! A shark fin with a lower part clear to the backbone was found by a visitor, Mr. Bill Fritsma, a teacher from Spring Lake. It was right in the ceiling where all of us have walked under it for years and never noticed.

A rather small crowd heard Dr. J. Cotter Tharin talk on equipment and methods in mineral identification. This appealed to the serious amateurs. A good supper was enjoyed before the meeting.

Officers elected for the coming year are:

President: Roger King	Vice-President: Robert Beauvais
Secretary: Marilyn Arnold	Treasurer: Dorothy Ferguson
Historian-Librarian: Lucile Pearl	
Editor: Gordon Williams	
Board Members-at-large: Dorothy Waterman	
George Arnold	
Ted and Marie Duprey	

In board action, the transfer of funds from Michigan National Bank to Union Bank was OK'd for convenience. The board accepted the application of James Bennett for the Les Pearl Scholarship to the Michigan Conservation School. Mr. Bennett is an Earth Science teacher at Jackson Junior High in Wyoming. A question was raised concerning the Junior Program and how it might be affected by the scholarship won by the instructor, Larry Fegal. Larry advises me that he will be holding classes starting in January and continuing a little later than usual in the spring.



Several of the G.R.M.S. members joined the Indian Mounds Group in the field trip to Woodville, Ohio on Memorial Day weekend. The celestite
(concluded on page 4)

PRESIDENT'S ROCK GARDEN (continued)

crystals were scarce and small, but we all brought home some megalomus canadensis (beefheart) fossils. After several hours at Ohio Lime Co. we decided to try Pugh Quarry as we had reports of recent blasting and the finding of celestite there. A number of specimens were found, some of them were nice. Sunday, the Beauvais' and Ferguson's went to Port Clinton to see the 40-year old Ford trimotor airplanes at Island Airways. Then, being gluttons for punishment, they went to Sylvania for trilobites. Ye olde President is sporting a red beak as a result of an overdose of sun. Bob Beauvais found some nice micromount size aragonite crystals at Woodville.

The G.R.M.S. will have an exhibit in the Union Bank Lobby at 200 Ottawa NW some time this fall. The details are not settled as yet, but this will be a good opportunity for a little publicity for the club.

The June and July meetings are picnic potlucks at Ideal Park. Dr. Stonehouse will speak at the June meeting and the July program will be "Show and Tell." Bring your latest goodies.

Have a good summer and safe hunting. Be careful. Stay away from overhanging rocks and have fun. Don't forget the swap in August!

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ARCHAEOLOGICAL CLUB ANNOUNCES.....

On Thursday, June 17, there will be a program on Biblical Archaeology at the regular meeting of the W. L. Coffinbery Chapter of the M.A.S. at 8 p.m. in the All-Purpose Room of the Grand Rapids Public Museum (Washington Street entrance).

A film on "Hezekiah's Water Tunnel" will be followed by an illustrated lecture by Dr. B. VanElderen of Calvin Seminary on Ancient Hydrological (Water) Systems of the Middle East. Dr. Van Elderen has taught at the University of Jordan and at the Free University of Amsterdam in the Netherlands. Hezekiah's tunnel was under the wall of Jerusalem to the spring outside the city so that when the city was surrounded during war they would not be cut off from their water supply.

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Somebody left several dozen labels in Miss Ardath Allen's room during the rock show. They are blue label tape on 2" x 3 $\frac{1}{2}$ " cards and are all for mineral specimens. The owner can pick them up at the next meeting or call me. A number of people do not have their exhibitor ribbons for the rock show yet. Seems like I always forget to give them. They are already in the car and if I don't think about it at the next meeting, be sure to remind me!

-Rich VanBeek

THE **Closed** ROOM

Sorry, the Editor has closed down the rock room for June, July and August.

However, we are publishing two short items gleaned from other bulletins:

GIRL DISCOVERS 18.20-CARAT DIAMOND - 7TH LARGEST ROUGH EVER FOUND IN U. S. - Jewelers News '70

To a little girl playing in her yard in Princeton, La., last summer it was just a "pretty stone."

But to Shreveport jeweler Charles E. Mounce, who studied the pebble at her father's request, it was a diamond---a large one. Mounce promptly bought it.

At 18.20 carats, it was the seventh largest known American rough diamond--and, according to the Gemological Institute of America, probably the diamond found farthest south in this country.

As for the little girl who found the stone, her name isn't being mentioned at all.

"Her father asked me to keep it a secret," Mounce said. "He didn't want a mob of people digging up his lawn. And you can't blame him for that."

Via Earth Science News

THE MUSKEGON CLUB'S "PROSPECTOR FIELD TRIP SPECIAL" Bulletin is available for \$1. Send your name and address and the money to:

The Prospector
3061 Eastland Road
Muskegon, Mich. 49441

Please send material noted below to:

Name _____

Address _____

City _____ State _____ Zip _____

() March 1971, Special Field Trip Edition _____ copies @ \$1. _____

() Year's subscription to The Prospector @ \$3. _____

Total enclosed _____

Use separate sheet for additional orders

Via "Rock-ateer", "Rear Trunk," "Rockpile" and "Gems"
PARKING YOUR TRAILER

OR
HUSBANDS ARE A SORRY LOT

After several years of parking my trailer with that Grandmother I'm married to calling the signals, I have come to the conclusion that maybe, just maybe, she is either not really trying, or she has two left hands. (The fact that I lack understanding or have a low boiling point in such matters has nothing to do with it.)

Take the matter of hand signals. You find a parking space -- you must back the trailer into it. Grandma, or Mama, which ever applies, gets out and stands in front of the car. You start to back up, trying to watch both her and the trailer. Now the problem is this: do you follow her signals or do you ignore her? Either way you're in trouble. You have to pull out and start over. Often this means you have to drive a mile and a quarter around the park and come back again to start over. This time we will make it -- you've cooled off.

You start backing up again. You look at your living semaphore, both of her arms are extended, her thumbs are out, she waves her left arm; indicating (I think) that you turn the wheels that way. WRONG! She meant for you to turn the back of the trailer that way. She has no signal indicating STOP, at least I've never seen it.

After you hit the tree -- you look at her again. She has both her hands on her hips and is stamping her left foot on the ground. This means either (1) "You hit a tree, Dopey," or (2) "Can't you do anything right?" Around the park again -- (cooled down again) and this time you figure when she waves her left arm, she really means she wants you to turn the wheels right. WRONG! You send her over to tell the park attendant that you have accidentally run over the water hydrant and the park is being flooded. Always send her on errands of this type. Park attendants never seem to get quite as disturbed when given this kind of information by a helpless woman. If you can talk her into telling the man that she was parking the outfit, so much the better. Sometimes if you hide someplace and the man comes back with her, he will park the trailer for her.

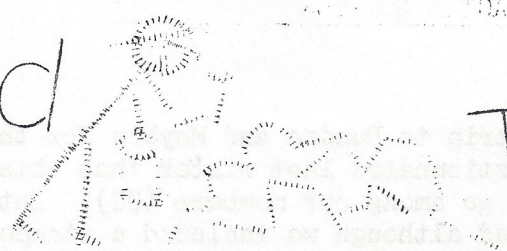
Around the park again -- you stop at a hydrant and slosh cold water over your head. On this round, if you are lucky, you see an outfit pulling out of one of those parking places that can be driven into. No backing up! You grab it quick.

After you get unhooked, get the trailer set up and put the coffee pot on, you go looking for friend wife. Has she missed you? Is she looking for you? Not at all!! She is helping some other wife signal some other helpless trailer backer-upper into a parking space.

You finally get his rig parked, and all of you go back to your trailer, have coffee all around, liberally laced with your favorite nerve medicine, talk about rocks, and forget the whole mess 'til next time!!!

ANYONE YOU KNOW??????

Field Tripping



FIELD TRIP TO PUGH QUARRY AND SYLVANIA, OHIO - SATURDAY, JUNE 12

This will be our first collecting field trip of the year. Pugh Quarry is best known for its large calcite crystals of the yellow "dogtooth" variety. It has three almost perfect cleavages that will form rhombohedrons with angles of 102° and 78° .

Also to be found is white or pale blue barite. This porcelainous looking mineral is about twice as heavy as calcite and fluoresces and phosphoresces.

Small white, creamy or yellow dolomite crystals are occasionally found.

Small brown cubic crystals of fluorite are sometimes found in the limestone veins. It fluoresces a beautiful yellow. (The above information was obtained from the "Rock Trails.")

There are a number of ways to get to Pugh but we suggest taking I 96 to Lansing, turn south (right) on US 127 to US 223 and turn south-east (left). At Adrian turn south (right) on M 52. Continue on this road into Ohio where it becomes Ohio 109. Continue south for 20-25 miles into Ohio and after crossing the Maumee River turn east (left) on Ohio 110. After 3 or 4 miles turn south (right) on Ohio 65. After passing through the town of McClure look for the Pugh Quarry sign. Check in at the scale house before entering. (Caution: be sure to watch the highway signs closely at the by-pass around Jackson, Mich.!)

Personally, we hope to spend a few hours at Pugh and then go to Sylvania. We will have "releases" at the club meeting (June 9, Ideal Park) which can be signed by those who also want to go to Sylvania, or you can see me at Pugh.

At Sylvania we find trilobites, brachiopods, spirifers and crinoids. College geology classes often go here on field trips.

You can take Ohio 65 north and east to Grand Rapids (!) Ohio, then turn left on Ohio 578 across the Maumee and then turn right (north-east) on US 24. After about 15 miles turn north on I 475 and get off at the Sylvania exit.* To return home you simply take US 23 to I 96 and take this to Grand Rapids.

(please turn to page 8)

*See map on page 8 for further directions

FIELD TRIPPING (concluded)

We had hoped to have a field trip to Dundee and Maybee for this time because you indicated on the questionnaire last winter that this was the second most popular place to go among our members (22). But our letter of inquiry was not answered although we included a stamped and addressed envelope. This is the first time we have written to a quarry and did not receive a reply.

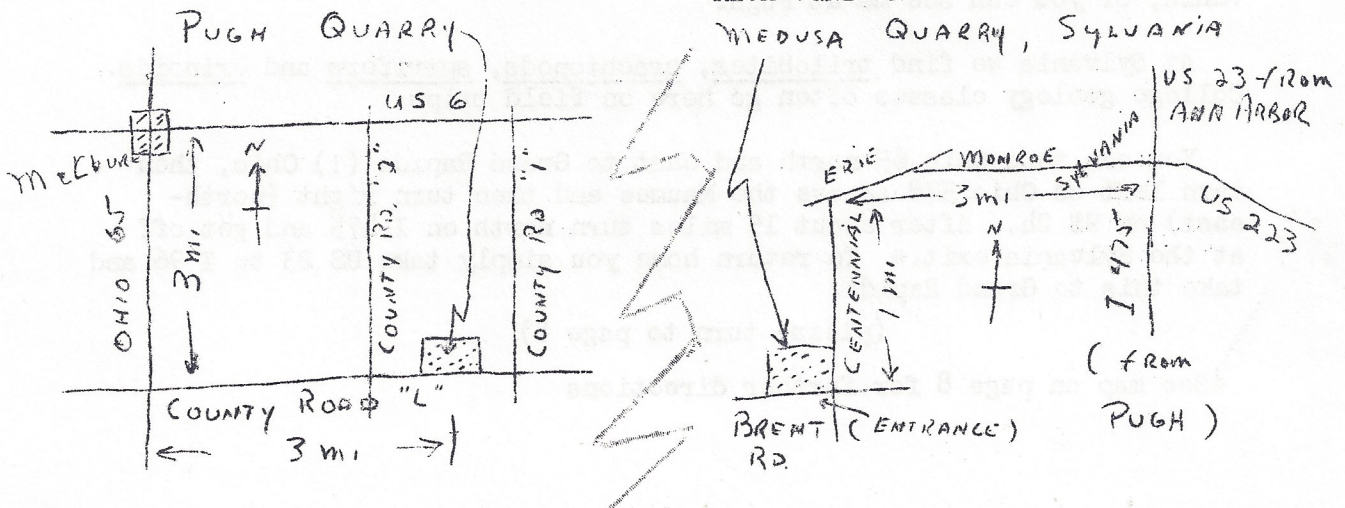
Most popular was Brown County, Indiana (24) which we hope to schedule soon. Third was the local bus trip (18), which we had last month, followed by Chicago Field Museum (17) which we hope to schedule this fall. Next, with 15 and 16 votes were Pugh, Charlevoix, Rogers City, Terre Haute, Ind., and Coal City area of Illinois.

Our May field trip, which was the bus tour of the geological points of interest in ^{the} Grand Rapids area, was a success. Thirty-five people turned out in addition to guide, Jim Muller, and the bus driver, Dale Smith. Although the bus was reputed to hold 40 passengers it was filled to capacity with Museum Director W. D. Frankforter sitting on a chair in the aisle. Although 18 people indicated an interest in this trip on the questionnaire the actual turnout was about double that. We were happy to see a number of members of the W. L. Coffinberry Chapter of the Michigan Archaeological Society as well as friends of our members in the group. I am sure that most of us are now better able to recognize various geological features.

We would like to thank Elaine Smith for her help in arranging for the bus and Lucile Pearl and Em VanVuren for helping with the telephoning.

The museum bus, which is used primarily in transporting school children to the museum and on field trips is in bad shape mechanically and will have to be replaced soon. It will soon be beyond repair. The \$8000. for its replacement will have to come from donations. School children have bus-shaped banks to collect money for this purpose. We had a container for donations and collected \$17.80 which we turned over to this fund.

-Rich VanBeek



Midwest Federation's NEWSLETTER



Published monthly except July and August as a service to member clubs
All news, articles, subscription orders and requests for information concerning publication
should be sent to P.O. Box 1130, Des Moines, Iowa 50311

Issue No. 116 - June 1971

Thursday-Friday-Saturday-Sunday, July 22-23-24-25, 1971

Mansfield, Ohio Site of 1971 Convention

PROGRAM

Thursday, July 22

- 9:30 AM Judges' meeting (F)
- 10:00 AM Show opens
- 1:30 PM Collecting in the Southwest - Mrs. June Zeitner (F)
- 3:00 PM Minerals of Mexico - Mr. Paul Desautels, Smithsonian Institution (F)
- 4:30 PM Archaeology of the Midwest - Mr. Dick Ade, MWF Archaeology Chairman (F)
- 7:30 PM Micromount Symposium - Mr. Mel Moyer, Moderator (K)
- 9:00 PM Show closes

Friday, July 23

- 9:00 AM Bulletin Editors' Seminar - Mr. Oliver Roskam (K)
- 10:00 AM Show opens
- 11:00 AM Junior Activities meeting (K)
- 1:00 PM State Directors' meeting (K)
- 1:30 PM Your Mineral Collection - Mr. David Wilber, Woodland Hills, Calif. (F)
- 2:00 PM MWF Executive Committee (K)
- 3:00 PM Rockhound's Paradise USA, Michigan's Upper Peninsula - Mr. Charles Markert, (F)
- 7:30 PM Exhibiting Seminar - Mrs. Betty Crawford (F)
- 9:00 PM Show closes
- 9:30 PM Square Dance - Fairgrounds (weather permitting)

Saturday, July 24

- 9:00 AM MWF Council (Ramada Inn)
- 10:00 AM Show opens
- 10:30 AM Fossiling Through the Midwest - Cele Duluk
- 12:00 N MWF Council Luncheon (Ramada Inn)
- 1:30 PM Minerals of Mexico - Mr. Paul Desautels (F)
- 3:00 PM Fossils of Pit 11 (Mazon Creek, Ill. Area)
- 4:15 PM The Cleaning and Preparation of Fossils - Dr. Dwayne Stone (F)
- 6:30 PM Banquet - Dr. John Clark, Field Museum, speaker (Masonic Temple)
- 9:00 PM Show closes
- 9:30 PM Outdoor Sing - Fairgrounds (weather permitting)

Sunday, July 25

- 9:00 AM Rollin' Rock Club (F)
- 10:00 AM Show opens
- 11:00 AM Rockhound's Paradise USA, Michigan's Upper Peninsula - Charles Markert (F)
- 1:30 PM Collecting in the Southwest - Mrs. June Zeitner (F)
- 3:00 PM Diamond Crystals - Mr. Paul Seel, President AFMS (F)
- 6:00 PM Show closes

Continuous Demonstrations 10:30-8:30 on Thurs., Fri., Sat. - 10:30-5:30 on Sun.

Fluorescent Display - Frequent performances - See posted times.

U.S. Geological Survey sound films shown in program area several times during the show.

(F) Indicates Fairgrounds Program Area. (K) Indicates Kingwood Center Meeting Hall.

Come and have fun. We are mixing some fun activities with the serious aspects of the show.

Contribute to the show by exhibiting. Remember, individual exhibitors for the full four days get free admission.

There will be come-and-go cases.

Swapping will be under cover close to the main show bldg.

Plenty of free parking and camping is permitted on the grounds for a small fee.

Send in your reservations now.

YOUR 1971 CONVENTION DELEGATE

Has your club selected its Delegate and Alternates for the 1971 Council meeting? And has the form been returned? If not, see that it is done as soon as possible. The meeting, a very important part of the 1971 Convention and show, is at 9:00 A.M. on Saturday, July 24 at the Ramada Inn, Mansfield, Ohio. The form should be returned to Mrs. Eva Clements, 382 Jade Ave., Mansfield, Ohio 44907.

GUIDE LINES FOR MAKING 35mm SLIDE PROGRAMS

Our program chairman, Mrs. Evelyn Hirsch, has made some suggestions that can be used as guide lines for clubs wishing to make 35mm slide programs for the Midwest Program Library.

On programs of procedures, such as tumbling or lapidary arts, take the procedure step by step very explicitly... leave nothing to the imagination.

On field trip programs, people (a few) one person in a collecting area picture improves the picture as one gets the scale of the cut or quarry. Give geology of area formation whenever possible. Be sure to include slides showing what is found there. Use a ruler or some object to indicate size of specimen in your closeups.

Be sure that all pictures you use in the completed set are clear. If necessary retake pictures but never include fuzzy or poor pictures. Make sure your slide story has a definite starting place and follows through to an ending. Don't leave out things and lose your audience by skipping around.

For the script that accompanies your program, type it on 7x11 size sheets. These fit in our mailing boxes. Leave a margin around the sheet and be sure the pages are numbered, date of the program and the person or club that made it. We make zerox copies of your original and thus can keep fresh copies going out to the clubs.

If person making the program wishes to keep the original set of slides please be sure to tell us who to contact in case a duplicate is needed. If possible send the original and one set duplicates as this saves time if a slide or program is lost and needs to be replaced.

AFMS UNIFORM RULES CHANGES

Approved for use with the red covered Uniform Rules booklet the following changes should be noted.

Page 26 - Part I. (A new Trophy):

AFMS XVII. AFMS Trophy for Educational Exhibits, Junior Class.

Page 29 - Part IV:

Trophy XVII. Educational, Junior, Given for exhibits from Uniform Rules Classes E-1 thru E-6.

SAFETY

If you don't already belong, it's time to join the Hard-Hats! A while back Max Holiday, MWF Safety Chairman, alerted us at several Executive and Council meetings to the effect of the Federal Mine Safety Law on rockhounds.

In 1966 Congress passed a safety law applicable to all mines and quarries, except coal mines. The law directed the Secretary of the Interior to promulgate mandatory health and safety standards to deal with conditions or practices which might cause death or serious physical harm. While most of such standards apply to employees in mines and quarries, effective July 31, 1970 all persons were required to wear hard hats "when in or around a mine (or quarry) where falling objects may create a hazard." Similarly, effective January 7, 1971, all persons must wear "suitable protective footwear" and "safety glasses, goggles, or face shields" when "in or around an area of a mine (or quarry) where a hazard exists which could cause an injury to the feet or to unprotected eyes." While these safety standards are mandatory, the application of each is conditioned upon the existence of the hazard to which the standard is directed.

Correspondence with the Federal Bureau of Mines has confirmed that these requirements do apply to rockhounds. We are likely to see very soon mine and quarry owners requiring (as some owners have done for some time) at least hard hats and possibly safety shoes and goggles before permitting field trips on their premises.

Therefore, in addition to always keeping your rock hammer and other collecting equipment in the trunk of your car ready for any opportunity - you had better also add your personal hard hat (and goggles too, to be on the safe side)!

EDUCATIONAL NEED

Would all MWF committee chairmen and State Directors who have not already done so please send immediately a brief resume of how their particular committee fulfills educational needs of the MWF members? This is needed for impressing the Internal Revenue Service with our solid educational aspirations so that we may be granted a tax status change to C-3. Send resumes to Jay C. Wollin, 8917 Austin, Morton Grove, Illinois 60053.

JUNIOR ACTIVITIES SEMINAR

A Junior Activities Seminar has been added to the MWF Convention and Show program. It will be held on Friday, July 23, at 11:00 A.M. This will have a panel of rockhounds telling of ways they have handled Junior Activities in their clubs or communities. The seminar will be headed by Mrs. Calvin (Harriet) George. Calvin George will tell of ESCONI'S approach to Junior clubs and Mr. or Mrs. Ed Hirsch will speak of 4-H cooperation.

AUGUST 14, 1971
1-9 P.M.

REFRESHMENT
BOOTH

INDIAN MOUNDS ROCK & MINERAL CLUB

3RD ANNUAL

ROCK SWAP

GRAND RAPIDS MINERAL SOCIETY

DOOR PRIZES

NO
ADMISSION
FEE

FUN &
FELLOWSHIP

GAINES TOWNSHIP HALL
1685 68TH ST. S.E.
JUST EAST OF
KALAMAZOO AVE

POTLUCK SUPPER
6 PM

BRING 2 DISHES TO
PASS & OWN TABLE
SERVICE

BRING YOUR ROCKS,
MINERALS & FOSSILS

TO SWAP

