

OCTOBER 1989

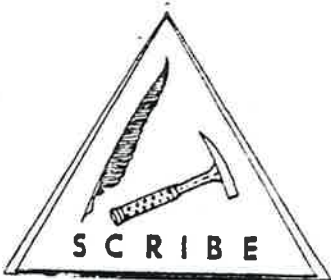
THE ROCKFINDER



ED MILLER, EDITOR
MICHIANA GEM & MINERAL SOCIETY
114 E. LOGAN ST.
ARGOS, INDIANA 46501



FIRST CLASS MAIL



LARSON, JOYCE
144 Spruce Drive
Westville, IN 46391

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The MICHIANA GEM AND MINERAL SOCIETY, a non-profit organization, is affiliated with the MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES and with the AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES.

REGULAR MEETINGS

Time: 2:00 PM EST
 Fourth Sunday of each month
 June-Field trip meeting
 July-No meeting
 August-Annual picnic

Place: WESTMINSTER PRESBYTERIAN CHURCH
 1501 W. Cleveland Road
 SOUTH BEND, IN.
 West of the St. Joe River

DUES

Individual	\$ 6.50 per year
Family	10.00 per year
Junior	2.00 per year

ROCKFINDER STAFF

Editor.....Ed Miller	114 E. Logan St, Argos, In. 46501
Staff.....Club members	

All contributions for publication should be in the hands of the editor by the 10th of each month.

Permission is hereby granted to reprint, at any time, items published in the ROCKFINDER, provided due recognition is given.

THE ROCKFINDER

VOLUME 29

NUMBER 8

OCTOBER 1989

PUBLISHED BY: MICHIANA GEM AND MINERAL SOCIETY INC.

SOUTH BEND, IN.

REGULAR MEETING:

SUNDAY OCTOBER 22, 1989

TIME: DOORS OPEN 1:30
MEETING 2:00

PLACE: WESTMINSTER PRESBYTERIAN CHURCH
1501 W. CLEVELAND ROAD
WEST OF THE ST. JOSEPH RIVER
SOUTH BEND, IN.

PROGRAM: BUSINESS MEETING

You don't want to miss this program either. Bob and Margaret are going to talk and show slides about their trip to the AFMS Convention in Portland, Oregon. It sounds like an interesting time because Oregon is such a beautiful state and the Heinek's always seem to take some great trips on the side. They visited the Dinosaur National Monument and the Saddle Mountains, Washington area where petrified wood is found.

Speaking of programs, didn't the Kemps do a great job last month? I always enjoy seeing or hearing about Alaska.

HOSPITALITY:

Club members

COMING EVENTS:

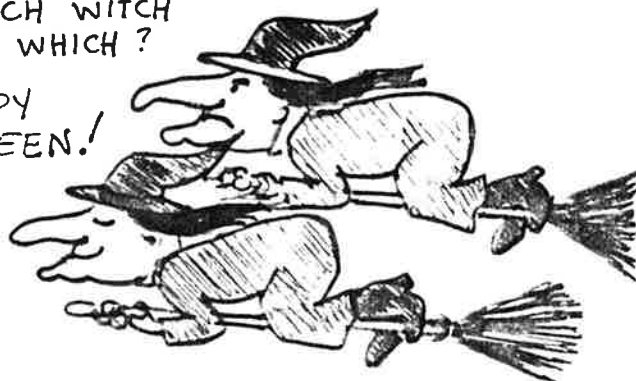
OCT. 20-22

Lake County Gem & Mineral Soc.
24th Annual "Wonderland of Gems
& Minerals" Show
Gurnee Holiday Inn
Gurnee, Illinois

OCT. 21-22

Park Forest Earth Science Club

A GOOD WITCH & A BAD WITCH

WHICH WITCH
IS WHICH?HAPPY
HALLOWEEN!COMING EVENTS CONTINUED:

21st Annual Show
Keeling Center 375 Oswego Street
Park Forest, Illinois

OCT. 21-22

Ken-Rock Gem and Mineral Society
Annual Gem, Mineral, & Fossil Show
Ken-Rock Community Center
3218 11th Street
Rockford, Illinois

NOV. 4-5

Evansville Lapidary Society
Washington Square Mall
Washington Ave. & Green River Rd.
Evansville, Indiana

NOV. 11-12

Prairie Gem & Geological Society
13th Annual "Jubilee of Rock
Rhythm" Rock and Gem Show
Lincoln Square Mall
Vine and Green Streets
Urbana, Illinois

NOV. 12

Field Trip
The Lizzadro Museum & The Field
Museum of Chicago

DEC. 10 Club Christmas Party

MARGARET'S COLUMN

INDIANA ROCKS, MINERALS, & FOSSILS pt. 10

It was so good to see you all at the Sept. meeting. And so many new members! Rus and Doris Kemp have been friends of the club for years, and they always give us good programs. Doris has indicated she will give us a program in the spring. I for one, look forward to her talk.

We have a bus trip planned for November 12th to the Field Museum and the Lizzadro Museum. The trip will cost \$8.00 per member, \$5.00 for the juniors, and if we have room, \$15.00 for guests. So if you do not have your reservation to me, please contact someone on the Board, so we will know you plan to go. I have tried to contact all members, either by phone or by mail.

We have had one request from a school to speak to a 5th grade class on Earth Science. Bob and I have made arrangements to present a slide program on Oct. 16th. If we have other requests, and you feel you would like to give a program, please let us know. There are slide programs we can order from the MWF that can be presented to classes, and the club will pick up the cost of rental on them. The satisfaction one gets from these contacts is really wonderful. Our clubs depends on young members, so we must interest youngsters at an early age, who we hope will get their parents interested. This is the future of the hobby.

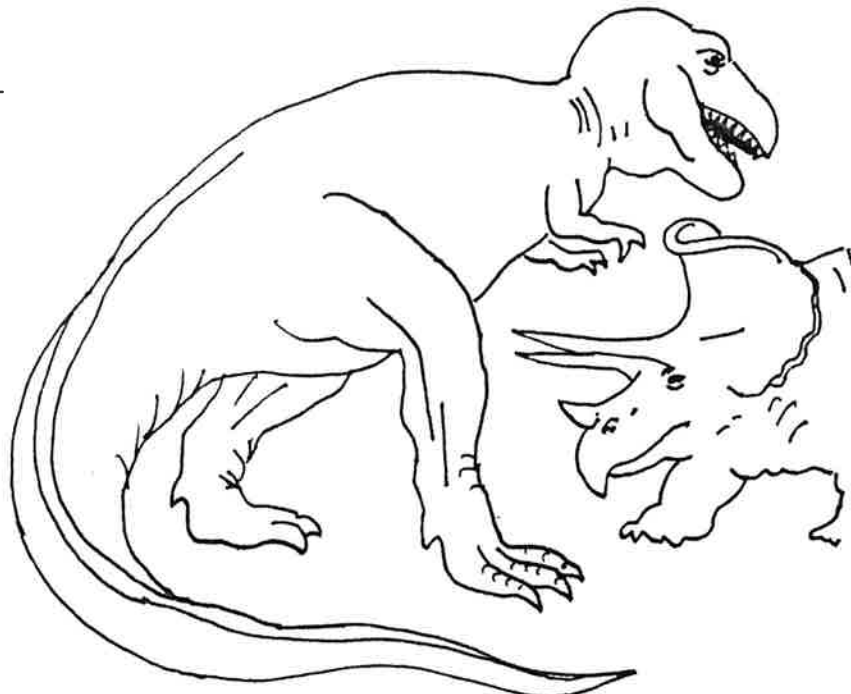
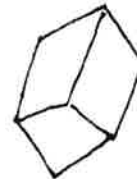
Our Christmas Party will be on December 10th at the Westminster Church, so mark your calendar. More on this later.

We hope to see you at the Oct. meeting. Oh yes, we will require your fare for the bus trip by the meeting day. I will have to notify the bus company the size of bus we will need. And we must pay the cost of the bus before the trip. I hope we have a large crowd going.

Margaret

DOLOMITE
 $\text{CaMg}(\text{CO}_3)_2$

Hardness 3.5-4...Specific gravity medium weight.... Colorless, pink, or white and rarely gray, green, or black....Streak colorlessLuster glassy...Cleavage perfect in 2 directions, yielding rhombohedrons.....The cleavage is recognizable only if crystals are present...Dolomite is is very abundant in some sedimentary rocks
 The Harrison County dolomite is unequalled for size and perfection of it's specimens.



These two dinosaurs and the one on page 6 are in the bulletin for two reasons. The first reason is to give the "Junior" members a little coloring project. The other reason is to remind the juniors and others about the dinosaurs alive exhibit. (page 6)

MINUTES OF THE SEPTEMBER 24, 1989
MICHIANA GEM & MINERAL SOCIETY

President Margaret Heinek opened the meeting at 2:10 P.M.. Guests and new members were introduced. The treasures report was read, approved and filed for audit. A motion was made by Bess Wise to accept the minutes as printed in THE ROCKFINDER, seconded and accepted.

THE ROCKFINDER was awarded AFMS & MWF certificates for the Bulletin Editors Breakfast. Editor Ed Miller asked for discussion on when to mail out THE ROCKFINDER. It was decided to mail week of meeting.

The clubs copy machine is in bad shape. A suggestion was made by Jerry Shoemaker to fix it up for sale, use this money to purchase one at wholesale that also reduces. The general consensus was to have Jerry look into this and bring back a report. Stan Kile put this into a form of motion, seconded by Joe Charles with the idea in mind a purchase will be made. Motion approved by voice vote.

Many comments were heard by members on the excellence of our 1989 show. Letters were received from dealers commenting on what a fine job we did. The show for next year will be Labor Day weekend

In memory of Lucy Miller, honorary member a book will be donated to the clubs library.

A field trip to Lizzadro Museum and the Field Museum on November 12th was discussed. Mary Miller made a motion, seconded by Molly Elwell to go on this field trip, motion carried.

Margaret & Bob Heinek purchased for the club 5 power outlets.

President Heinek turned in a request for our society to hold the annual December Christmas Party at Westminster Church where we hold our monthly meetings.

Door Prizes - Junior Kimberly Young, crazy lace agate, Aaron Young, celenite crystal....Adult John Gray, crazy lace, Dick Scherer, celenite crystal, Paul Kasarda, Jade, Kenneth Stout, table centerpiece. Junior members each received a fossil donated by Paul Godollei, Charlotte Young, table centerpiece.

Display was by Russ & Doris Kemp, Bob & Margaret Heinek on JADE. Russ Kemp gave the program on Alaska and jade producing areas. This was an excellent and informative program enjoyed by all. A fellowship hour followed, meeting adjourned at 5:00 P.M..

44 members and 9 guests attended the meeting.

Respectfully Submitted,

Kathy Miller, Sec. Pro Tem

LET'S WELCOME SOME
NEW MEMBERS!

RAY GREEN

MICHAEL GRING

C. LINCOLN JOHNSON & FAMILY

LEONARD KUSH & FAMILY

JOYCE LARSON

FREDERICK MELVILLE

RICH & PATI PARA

RICHARD, JOAN, & DIANE
SCHERER

PAUL & JANE STONE

Cleaning Fossils: by Paul Godollei, club member.

When you get around to cleaning your specimens, be sure you keep the identifying labels close by, so they don't get mixed up with other specimens. Don't try to clean fossils in the field- bring them home where you can do a good job of preparing them for display or to just add to your collection. Specimens in a matrix of hard rock will probably have to be trimmed up a bit, or cut down to size to fit into your display area. The old hammer and chisel method of trimming has largely given way to the newer way of cutting away excess material with a diamond saw blade or a portable electric rotary tool with a small cutting blade about 3/4 inch in diameter. You have to use water to keep the blade cool, or it will shatter.

Shales and softer material can be trimmed by breaking off pieces with a large pair of pincers or pliers. Soaking overnight in a detergent solution will help get the mud off, and then a good brushing with a soft bristle brush will clean up the specimen so you can get to the final cleaning. Old toothbrushes are good, too. I use sharpened chisel and needle points set in wood handles to get at the fine grooves and narrow spaces in the specimens. Be careful not to scratch the specimen. Very soft specimens may have to be sprayed with fixatif or other protection to keep them from disintegrating. Some specimens get harder with age while others will crumble to dust if not sprayed or protected. You must try to determine the chemistry of the material being saved. Soft, earthy limestone specimens may be washed and fossils in silica matrix may be dissolved or cleaned with weak acid like white vinegar. A soaking in this must be followed by a clean water rinse to stop the acid action.

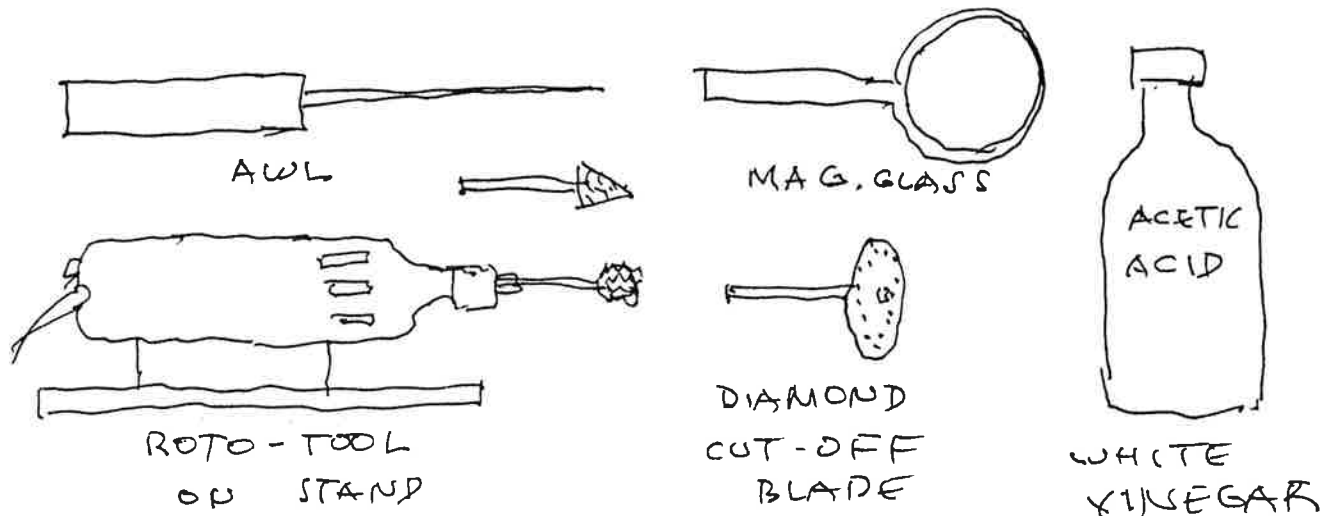
The rotary tool can be used with all kinds of bits of different sizes and shapes to get the specimens cleaned up.

Some collectors coat their cleaned fossils with a protective film - especially fern-leaf fossils which are carbon deposits and need protection to keep from turning white and disintegrating before your eyes. I use Krylon spray purchased at an art supply store.

After your specimens are cleaned they should be stored in boxes, trays or drawers, with a label for identification. Each specimen should be numbered and entered in a record book or on a card, with the locality, date, formation and other data. If you can't identify the exact species, at least try to name the genus or class, such as whether it is a brachiopod, crinoid stem, or trilobite, cephalopod or whatever.

The Audubon "Field Guide to North American Fossils" by Ida Thompson, is a good book to start identifying fossils with-. It was published by Alfred A. Knopf of New York in 1982, and is available at most book stores. A couple of other good books, are "The Fossil Book", by Fenton and Fenton, by Doubleday & Co. of Garden City, New York, 1958, and the "Treatise of Invertebrate

Paleontology" by the Univ. of Kansas, begun in 1953 and covers all phases of paleontology identification and classification. I also use Shimer and Shrock's book on North American Fossils a lot.



Here is a message from Bob Miller taken from the September 1989 issue of the MWF Bulletin.

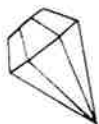
LAPIDARY ARTS

It was very encouraging to see how well the Lapidary Arts self-help booth did at the 1989 MWF show/convention in Kalamazoo, MI. The Lapidary Arts Committee received handouts for the booth from 33 specialized clubs, lapidary related museums, magazines and equipment suppliers. We would like to thank all those involved who contributed. The hobbyist and general public alike enjoyed browsing through all the material.

Plan on stopping by our booth next year in Evansville, IN. If there is an area you would like to see at the booth that we did not cover this year let us know. If you would like to donate material relating to the hobby feel free to bring it to next year's show/convention, or send it to me and I will see to it.

For those that were unable to attend the 1989 MWF show and would like to receive some of the latest catalogues from equipment dealers, brochures from lapidary museums, information on a specialized club in your field, or any of the MWF Committees, please let me know, I will see that you get your request.

The Lapidary Arts Committee is like a Roofers Union card ... **it covers everything!** We are here to help you - the hobbyist.



Bob Miller, Lapidary Arts Chairman
1106 Clayton Drive
South Bend, Indiana 46614
Doris Kemp, Assistant

From the September 1989
MWF NEWSLETTER



1989 A.F.M.S. PROGRAM COMPETITION WINNERS

#169. THE TYRELL MUSEUM OF PALEONTOLOGY (59 slides) by E. Wallace of Temple, Tex. This Program takes you to Drumheller, Alberta, Canada -- well known for its dinosaur and mammal fossils. Many varied specimens are shown along with the area where the fossils are being found.

First Place Winner in Individual Category. Approx. 30 minutes. Suited for adults and Juniors.

#170. MICROMOUNTING (80 slides) by Micromineralogists of the National Capitol Area. A good, brief introduction to this fascinating area of mineralogy. As a special highlight you are shown exactly how a Scanning Electron Microscope is used to identify an unusual specimen. Some finished specimens are shown.

First Place Winner, Club Category. Approx. 30 minutes. Well done and suited to a wide audience.

COMPLETE INFORMATION REGARDING RENTAL of these and any others in the MWF Program Library are available in the 1989 MWF Directory, pages W-7 to W-10 or in the new PROGRAM PLANNERS MANUAL. Contact: Marge Collins, 3490 S. Hannan, Canton, MI 48188 (313)722-6043, if these sources are not available.



CAROUSEL FUND FINAL REPORT

We are indebted to the following Clubs and individuals who contributed to the Carousel Fund. A total of \$927.00 and 55 Carousels were donated, bringing this project to completion.

CLUB DONORS

Badland/Sandhills Earth Science Club, S. Dak.
Blue Water Lapidary Society, Mich.
Carlton County Gem & Mineral Club, Minn.
Cass River Gem & Mineral Society, Mich.
Cora Palace Rock Club, S. Dak.
Coulee Rock Club, Wisc.
Earth Science Club of Missouri, Mo.
East Ohio Lapidary Club, Ohio
Evansville Lapidary Society, Ind.
"500" Earth Sciences, Ind.
Geodeland Earth Science Clubs, Ill. & Iowa
(this group of Clubs hosted the 1988 Show/Convention)
Grand Rapids Mineral Society, Mich.
Illinois Valley Gem & Mineral Club, Ill.
Indian Mounds Rock & Mineral Club, Mich.
Ishpeming Rock & Mineral Club, Mich.
Licking County Rock & Mineral Club, Ohio
Michiana Gem & Mineral Society, Ind.
Midwest Mineralogical & Lapidary Society
of Dearborn, Mich.
Petoskey Rock & Mineral Club, Mich.
Plymouth Rock & Mineral Society, Mich.

From the September 1989
MWF NEWSLETTER

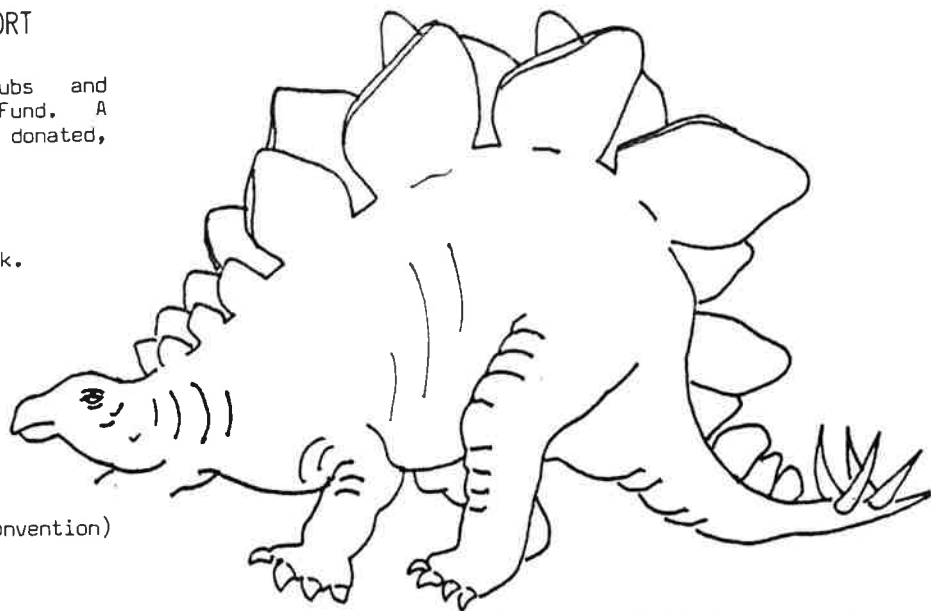


WINNERS - 1989 COMPETITIVE EXHIBITS

Trophy 1 & 24	Max Schultz Livingston Gem & Mineral Soc.
Trophy 18, 20 & 21	William J. Horton Livingston Gem & Mineral Soc. Midwest Facetor's Guild Rockport Facetors
Trophy 20S & 19S	Ohio Pat & Bob Rutkowski Midwest Mineral. & Lac. Soc. Midwest Mineral. & Lac. Soc. Michigan Mineralogical Soc. of Cleve- land
Trophy 36	
Trophy 15	
Trophy 30S	
Trophy 8	Ohio Carl Yagley Michigan Mineralogical Soc. <u>Bob Miller</u> Michiana Gem & Mineral
Trophy 16	

There were twenty entries with twelve trophies awarded. Congratulations to all.

Margaret Heinek, Chairperson
Uniform Rules Committee



The Dinosaurs Alive exhibit is now at the Studebaker National Museum in South Bend. These animated creatures will be on display until December.

ROMANCING THE JEWEL

A beautifully cut gem is a lifetime keepsake. Where do they come from? Who makes them? How is it done? Is it a Dutchman with a chisel secluded in a bank vault in New York? How about right here in Northwest Indiana! Called the "Facetors Forum Society", this group of people are dedicated to one common interest -- the appreciation of beautiful gemstones and, especially faceted (cut) jewels.

The Facetors Forum Society came together through the efforts of its founders, Paul Kasarda and Nettie DuSold. Paul Kasarda, a self-taught faceter who has earned 9 Master Faceter Awards, met Nettie at a faceting demonstration. Through their efforts and the interests of others, the Facetors Forum Society was formed in 1987. Their numbers now come from Porter, LaPorte, and Lake counties, and, some, even from Illinois.

The Facetors Forum Society, in its short history, lays claim to many "kudos". Mr. JOE Scott won 4th Place out of 22 entrants from the United States in a contest called the "Australian Challenge", where his score was 375 out of a possible perfect score of 400. In a contest held by the Gem Cutters of Washington, D. C., Pat Kelleher won the Supreme Master Faceter Award with a score of 98.8 out of a possible 100. The Australian Challenge is an event that's held every 2 years. The next one is scheduled for 1990, and, of course, the Facetors Forum Society is gearing up to represent our country as they have so ably in the past.

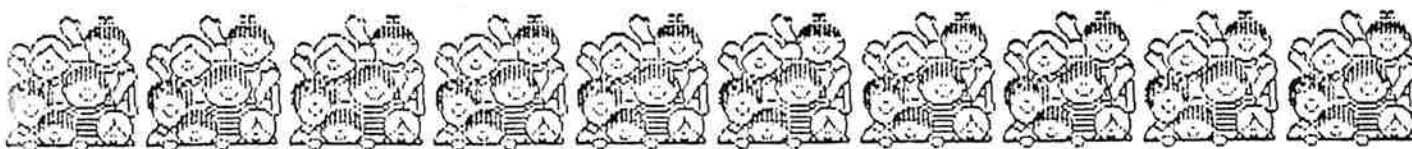
As a public service, the Facetors Forum Society will furnish demonstrations of their art for any non-profit organization interested and at no charge. Demonstrations must also be within a reasonable traveling distance. Any person interested in this service or interested in becoming a member should contact Mr. Clarence Orrell, 9319 W. Pahs Road, Michigan City, Indiana 46360.

Compliments Clarence Orrell, Secretary
Faceters Forum Society
9319 West Pahs Road
Michigan City, Indiana 46360

This article was taken from the October 1989 AFMS NEWSLETTER

THE AFMS COMPETITION RULES HAVE BEEN CHANGED TO CONCENTRATE ON PROGRAM CONTENT AND HOW WELL YOUR PROGRAM RELATES TO OTHER ROCK-HOUNDS AND RECOGNIZES THAT WE ARE NOT PROFESSIONAL PHOTOGRAPHERS

1. For the purpose of this competition the term "slide program" is defined to mean a visual arts presentation consisting of a group of slides presented in a logical sequence and accompanied by a script or cassette which conveys an explanation for each of the slides. A "video program" is defined to mean an electronically taped presentation consisting of a VHS cassette which conveys in a logical manner a documentary presentation with appropriate sound track explanation for the program's visual actions.
2. All programs entered in these competitions must contain subject matter dealing with or related to earth science topics and how-to aspects of the rockhound hobby.
3. Programs entered in the competition must have had the majority of the photography and script research work completed within the last three years. Programs that were entered in the AFMS competitions in this period of time but which did not receive an award higher than Third Place are eligible to compete again.
4. Any club or individual member of a club affiliated with a regional member federation of the AFMS is eligible to enter a program(s) in these competitions.
5. Programs must have a title, give appropriate credit to the producer plus acknowledge any assistance and have an "End" title. For slide programs information of these slides must also appear in the script.
6. The length of each program shall be no more than 30 minutes.
7. Each program competition entry MUST be accompanied by an AFMS entry blank. This entry blank is at the end of these instructions. By completing the required entry blank and/or entering the competition each participant automatically grants permission to the AFMS to duplicate their program if said program is judged to finish among the top three of the entries in that class.
8. Entries for the 1990 AFMS PROGRAM COMPETITION should be forwarded to MARGARET M. PEARSON, AFMS PROGRAM COMPETITION CHAIRPERSON, 9034 West Lisbon Avenue #24, MILWAUKEE, WISCONSIN 53222.
9. DEADLINE DATE: All program entries must be postmarked NO LATER THAN MIDNIGHT ON APRIL 1, 1990.
10. Program entries should be packed carefully for shipping in order to minimize carrier damage. Each entrant MUST PREPAY ALL SHIPPING CHARGES for their entry. The AFMS Program Competition Committee will take every reasonable precaution to assure each program's safety once they have arrived in the chairperson's custody.
11. The winners of the 1990 AFMS Program Competition will be notified by mail by May 31st, 1990. The winning programs will be premiered at the AFMS/CFMS joint show/convention in Ventura, California. The awards will be made at the Regular Scheduled Awards Banquet on Saturday during that show.
12. The winning programs will be retained by the AFMS Program Competitions committee until the duplicate programs have been made for distribution to the six member federations.



THE 1989 YOUTH EDUCATION PROJECT IS YOUR CHANCE TO SHOW THE KIDS THE FUN AND EXCITEMENT OF OUR HOBBY