



ARROWHEAD NEWS

Wyoming, Michigan



**November 2010!!!
Happy Thanksgiving!!!**



Our Silent Auction was a great success!!!

**Photos by Bryan Brewer
November 2010
Volume 47 #8**

www.IndianMoundsRockClub.com



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Visitors are welcome at all Meetings! When & Where

Club Meetings are held at 7:00 PM on the third Tuesday, September through May, and take place in the fellowship hall located in the basement of the Wesley Park United Methodist Church. The church is on the corner of Michael and 32nd Street, south of 28th Street, in Wyoming.

At 6:30 PM, on the third Tuesday, June through August, our club has a **picnic** at Pinery Park in Wyoming, which is on DeHoop just north of 28th St. Our usual spot is behind the north parking lot on the west side of DeHoop. Bring a dish to share, your own drinks, and table service.

Board Meetings are held right after the club meeting, or by special announcement on the fourth Tuesday of the month.

Club Membership dues are \$15 per family, \$10 per individual and \$5 per junior. Payment is due by the third Tuesday of September and is for the following January – December. **New** members that join at or after the annual show, pay only one-half of the yearly dues for the current year. Membership includes 9 issues of the Arrowhead News.

Who's Who

Our Executive Committee

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Send exchange
newsletters here

...or here

The **subscription rate** for the **Arrowhead News** is just \$8.00 per year.

Article submission is due to the Editor **before** the 25st of the month.

Recent back issues of the Arrowhead News are available on our website.

<http://www.indianmoundsrockclub.com/Arrowhead%20News.htm>

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President's Message October 2010

It seems like November arrived way too soon. The leaves have mostly dropped from the trees and the weather is definitely changing.

Fortunately, some things are slow to change. At our October meeting, we had yet another incredible Silent Auction. Our Silent Auction just gets better and better every year and I am glad this doesn't change. Please take a moment to thank our Silent Auction Chairman Ed Krzeminski, for ensuring this event is a continued success. On behalf of the Board, I also want to thank all of our volunteers for their help in setting up this event, keeping the tables filled, helping people check out and ensuring everyone had a really good time.

As if you couldn't possibly notice every time you turn on the television – November is election time. Our club holds our Annual Meeting in November where we also have elections for the officers and board member of our Club for the following year. In order to have a complete Board as required by our Bylaws, we need to elect a President, Vice President, Secretary, Treasurer, Field Trip Chairperson, Librarian and three Board Members. These are all one year terms.

We do have a Board Member position that needs to be filled since Donna accepted the Bulletin Editor position. Nominations may be made from the floor at the Annual Meeting, providing the nominee gives consent. We also need to fill the position of Publicity chair and if you are interested in doing this please let me or any Board Member know.

Before you know it Christmas will be here and we do need to get the Christmas Committee identified. Please let me or any Board Member know if you would like to be on the Christmas Committee.

Thanks for everything you do to make our Club what it is.
I look forward to seeing you all at the next meeting.

Stay safe and have fun,

Jim

Volunteers Requested

We will need volunteers to take the following responsibilities for the Christmas Party on December 21: Decorations (napkins and table centerpieces), Punch Bowl, Nut Cups, and Meat. The church provides the white table covers.

Please let Nancy Spalenka know if you will be willing take on one of these responsibilities.

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October 26th, 2010

Jim Elliot welcomed all board members to meeting.

Secretary	September Board Meeting minutes were not read and a motion to approve minutes as published in Arrowhead News was passed.
Treasurer	No Report.
Program	Lake Superior agates will be the subject of Novembers' meeting along with elections.
Editor/ Publisher	Donna reminded the board that articles are due by the monthly meeting and had suggestions that any club member could write about and send to her: <ol style="list-style-type: none">1- How did you get started in rocks/minerals/crystals/...2- What happens at the club meetings? Exp: ticket sales for drawings, funds for lunch donations, board meetings/officers,3- Volunteer section to identify where help is needed for club functions. There was discussion regarding flyers for the Spring show and getting prices for color and black and white copies.
Web	No Report
Field Trips	An additional trip to the Alabastine mine in November- check with Kreigh for details.
Show Committee	Discussion for advertising for Spring Show for paid ads, any information regarding free advertising is welcome. Discussion regarding making smaller card/brochures to advertise for show.
Publicity	We still need a publicity person contact a board member for information. Here is the description from the bylaws: Publicity: The duty of the Publicity Committee shall be to distribute the Club's news regularly to the appropriate newspapers, radio and television stations, and periodicals.
Sunshine	Report given in Club Meeting.
Librarian	Michigan rock book orders are due 10/31/2010 and should be here by November meeting so remember to bring funds if you ordered any books.
Historian	No new discussions
Membershi p	2011 Club dues are due. Please mail to Rhonda Leep or plan on paying at November meeting – you can pay more than one year at a time if it is convenient for you.
Sales	Ed reports that the summer sale will be June 11, 2011. More information next year.
Old Business	Plan to discuss with members any interest in purchasing T-shirts, vests and club patches at November meeting.
New Business	Nominating Committee for Elections- if you are interested in an office please contact Nancy or Dave. We will need new board member and if anyone would like to be a back up Secretary please contact Rhonda Leep.

 Christmas party will need volunteers....

Adjourned

Rhonda
 Leep 2010

Board Members Present

President	X Jim Elliot	Publicity	Need
Vice President	X Nancy Spalenka	Historian	X Nancy Spalenka
Secretary	X Rhonda Leep (membership)	Librarians	Rance Westover
Treasurer	Dave Lehker		Anne Westover
Liaison	Don VanDyke (past President)	Field Trip	X Kreigh Tomaszewski
Sales	Ed Krzeminski		Nancy Wolff
Editor/Publisher	X Donna Griseto	Show Chair	X John Kuipers
Sunshine	Eleanor Brummel		X John Donker
	Ruth Allen	Board Member	Bob Beauvais
Dealer Chair	Kris Quint	Board Member	
	Nancy Wolff	Board Member	Skip Schipper

SOME THOUGHTS ON QUARTZ

By Don Van Dyke

As I listened to the speaker at our September meeting some of my long held beliefs about quartz were challenged. Later I also spoke to another knowledgeable member of our club; he also questioned a number of statements that the speaker made, so it was time to 'hit the books'

I went first to my library, then to the web. Today we have so much information on the web that it becomes a challenge to locate it, and sort it all out!

Here are some facts I learned; first, **Rose quartz**. According to the book, Color Encyclopedia of Gemstones by Joel E. Arem, my old source; Rose quartz is colored by the inclusion of very small amounts of the element titanium (Ti) Well, surprise, surprise, here is the latest as found online at www.mineralminers.com; *the color of rose quartz is still not completely understood. It has been said to be due to a number of different minor impurities present in the rose quartz including titanium, manganese and even colloidal gold.*

However, recent studies using micro-analytical methods have discovered that the color of massive rose quartz is actually due to microscopic mineral fibers in the rose quartz. X-ray diffraction tests on these microscopic fibers yielded patterns similar to the mineral dumortierite but slightly

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different, suggesting the possibility of a totally new and as yet unknown fibrous mineral causing the color in massive rose quartz.

I next checked out **Amethyst & Citrine** My understanding was that amethyst was colored by the inclusion of minute amounts of the elements of iron and possibly nickel. www.mineralminers.com states the following; *the purple color of [amethyst](#) is due to small amounts (approximately 40 parts per million) of iron (Fe^{4+}) impurities at specific sites in the crystal structure of quartz. The difference between amethyst and citrine is only the oxidation state of the iron impurities present in the quartz. Upon heating, the iron impurities are reduced and amethyst's purple color fades and becomes yellow to reddish-orange (citrine), green, or colorless depending on the site and original oxidation state of the iron impurities present and the amount and duration of the heating. The amethystine color usually can be regained by irradiation, which re-oxidizes the iron impurities. This irradiation can be done by synthetic means, or it can occur in nature by radioactive decay of nearby radioactive minerals. In most cases this is a reversible process, however excessive heating may change the distribution of the iron impurities at the different sites within the quartz making it impossible to convert it back to amethyst by subsequent irradiation. The heating process can occur naturally or synthetically. At the present, it is not possible to determine whether or not an amethyst or citrine was synthetically irradiated or heated. WOW! So either/or both heat and irradiation can affect a change of color in quartz if minute amounts of iron (Fe) are present. Much of the above was also addressed in a published lecture held at Caltech.*

Smoky quartz, as found naturally smoky quartz is quartz that has been subject to radiation from uranium etc. found in granite or other rocks. **Morion quartz** is a very dark brown or black quartz. Today very attractive specimens are offered at shows, they are crystals and clusters that have been subject to bombardment by gamma rays produced in commercial laboratories

Then there is **Green Quartz**. Natural green quartz appears to be altered amethyst that has been subject to intense heating, occurring naturally when a lava flow covered a amethyst deposit, or in one case due to a forest fire.

Milky quartz, white quartz, white because the quartz has inclusions of water and/or carbon dioxide

Blue Quartz, quartz containing minute amounts of tourmaline.

Phantom quartz, some quartz crystal shapes can sometimes be seen in the interior of quartz crystals, outlining an earlier stage of the crystal's formation. www.mineralminers.com, states the following; *phantoms are usually composed of other minerals such as chlorite, goethite or hematite or are composed of other varieties of quartz such as milky quartz, smoky quartz or even amethyst, which form on most or all of the surfaces of the quartz crystal at a particular point in time during its growth, after which the quartz crystal resumes its crystallization enclosing the phantom crystal outline within itself.*

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So in reviewing the facts above we find that radiation may play a role in some of the color changes in quartz, but it is not the sole reason for our beautiful colored quartz gems.

In regards to the host rock in Arkansas where the quartz crystals are found; the U. S. Forest Service Ouachita national Forest website site states the following; *The rocks in the Ouachitas consist primarily of Paleozoic sandstones, shales, novaculites and cherts that have been intensely folded and deformed during the late Paleozoic age mountain building process into anticlinal and synclinal forms that trend almost due east and west The most prominent hardrock mineral commodity in the Ouachitas at this time is quartz crystal produced from quartz veins in the Paleozoic formations of the Forest and adjacent lands.* There is no mention of limestone

Note, The quotes from www.mineralminers.com have been used with their permission. Be sure and check out their website, it holds a wealth of information!

PROGRAM PREVIEW- Nancy Spalenka

Lake Superior Agates will be the subject of the November 16 meeting. We will be looking at a DVD of Scott Wolter's talk at the "The Wonderful World of Agates Symposium" at the Weis Earth Science Museum in 2008.

Wolter, is a licensed geologist who owns a material forensic fir and has written several books. He wrote his first book about Lake Superior Agates in 1986, which is now in its 3rd edition. In this program he will talk about the formation aspects of Lake Superior agates. Club members are invited to bring their Lake Superior agates and tell where and how they found them.

ANSWERS TO ROCKHOUND SCRAMBLE FROM THE OCTOBER NEWSLETTER

- | | | |
|--------------------|--------------------|-------------------|
| 1. DUGWAY GEODE | 2. BLUE CHALCEDONY | 3. FAIRBURN AGATE |
| 4. BRAZILIAN AGATE | 5. EMERALD | 6. PETRIFIED WOOD |
| 7. TURQUOISE | 8. SEPTARIAN | 9. OPAL |
| 10. MONTANA AGATE | 11. AMETHYST | 12. PRAIRIE AGATE |
| 13. PERIDOT | 14. RUDY | 15. TRILOBITE |
| 16. GARNET | 17. DIAMOND | 18. GOLDSTONE |
| 19. CITRINE | 20. FOSSILS | 21. SAPPHIRE |
| 22. TOPAZ | 23. LAPIS LAZULI | 24. MAMMOTH TOOTH |
| 25. AQUAMARINE | 26. HEMATITE | 27. COPPER |
| 28. GOLD | 29. PLATINUM | 30. ZINC |
| 31. GRANITE | 32. QUARTZ | 33. BAUXITE |
| 34. SHALE | 35. PYRITE | |

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Treasury Report: Dave Lehker

Beginning	Balance:	\$6142.48
Expenses:		
State of Michigan Registration	\$20.00	
Safe Deposit Box	\$53.00	
Sunshine	\$14.99	
Flyer Printed	\$27.28	
Total	Expenses:	\$105.27
Income:		\$360
Ending	Balance:	\$6387.21

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On the second Tuesday of October the West Michigan MWF Mineral Study group met to learn about the Garnet group of minerals. Both the Indian Mounds and Tulip City clubs were represented at this regional meeting.

Each member of this medium sized group of minerals share a chemical formula that has the structure of $X_3Y_2(ZO_4)_3$ where $X = Ca, Fe, etc., Y = Al, Cr, etc.,$ and $Z = Si, As, V, etc.$ Garnets are most often found in the dodecahedral crystal habit, but are also commonly found in the trapezohedron habit. Garnets are nesosilicates, and come in a wide variety of colors, but red (and green) are the most common.

The name garnet probably came from grantum, which is Latin for a pomegranate, because of its resemblance to seeds of this fruit, but it may also have come from gernet, a Middle English word meaning dark red. Garnet has been used as a gemstone, and as an abrasive, for thousands of years. It is the birthstone for January, the state mineral of Connecticut, and the state gemstone of New York and Idaho.

The garnets generally make up two solid solution series; pyrope-almandine-spessartite and uvarovite-grossular-andradite, but there are several uncommon varieties to complicate the group. At our meeting we had good specimens of all six common garnets, several mixed specimens, and one of the rare varieties (Kimzeyite) for examination. You learn hand identification of minerals by holding a lot of identified specimens, which is why we ask everyone attending to try to bring one or more specimens of the mineral being studied. One of our members brought a very large specimen of garnets in a metamorphic matrix collected last summer in the UP, and we had many smaller specimens in matrix.

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Garnets do not show cleavage, so when they fracture under stress, sharp irregular pieces are formed. This is why garnets are used for abrasives (commonly called 'fines'). Synthetic garnets are used in jewelry (YAG is an example) and in making lasers. The Garnet group is a key geologic mineral in interpreting the genesis of igneous and metamorphic rocks because any diffusion of elements is relatively slow in garnets, and they are also relatively resistant to alteration. Good garnet crystals are found up to the size of basketballs (the Barton Mine in NY is known for its softball size specimens).

The next meeting of the West Michigan MWF Mineral Study Group will be held on Nov 9, 2010 from 7pm to 9pm at the home of Doug and Elizabeth Howe, 4941 Riemen Dr. SE, Kentwood, MI 49508. We will be studying the ores of Iron. We like to start (and end) on time, but please do not arrive more than 20 minutes early. All West Michigan Rockhounds are invited to attend. Please look up a few facts about the topic mineral, and hopefully bring along at least one specimen to let others look at (the more, the merrier). We hope you can join us for this learning opportunity.

If you ordered your very own Michigan Rocks & Minerals or Lake Superior Rocks & Minerals, delivery will be at our monthly meeting on November 16th meeting. Anne and Rance Westover will collect \$10.00 for each book. This will be a great Christmas stocking stuffer.

Missing: Lake Superior Rocks and Minerals- Bob Lynch and Dan Lynch, Custom Wirewrap Jewelry (Video) - Alice Turner, Fire Agate Cutting and Polishing- Cliff Willis

Checked out:

1. Agates Treasures of the Earth – Cindi Closser 111709
2. Jewelry Fundamentals of Metalsmithing – Cindi Closser 041809 returned 091909 missing
3. Introduction to Lapidary – Cindi Closser 091609
4. The Color Treasury of Gemstones – Anne Crans 021709
5. Making Bead and Wire Jewelry- Brenda Van Dyke 021709

Dues are due!!!

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Coming soon to our Show!!!

Our 2011 show "Unburied Ancient Treasurers" will display a sculpted 58,000,000 year old crocodile. It is 12 feet long and 3 feet wide. Since the gender and age can not be determined, I will refer to it as a male. His is classified as a crocodylian. The genus is Borealosuchus (extinct crocodile) formidabilis (causing fear or terror). They lived in brackish fresh water and swampy areas.

We have crocodiles today in the Florida Everglades. It is believed that the population numbers 300-500. They are not aggressive and are even considered lazy, but will grab animals that happen to walk by. Florida is telling citizens to build fences to protect their small children and pets. Julie Donker will be bringing more facts each month so we will be able to answer all questions asked. Great job Julie, for all that you do!!!

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A FEW DAYS IN THE COPPER COUNTRY

By Don Van Dyke

After a few disappointing days collecting, or maybe I should say, attempting to collect agates in Minnesota we arrived at our favorite campground in the U. P., the Hancock City Campground late on a Saturday afternoon. After setting up we went back to town to find the Schippers who were to be our partners along with Roger & Arlene King for a few days of rockhounding. We found their room, but alas, they were nowhere to be found. Not too long after we returned to camp they stopped in, they had been out and about 'getting the lay of the land.' After making plans for attending church, Sunday dinner and Monday's activities it was soon time to turn in.

The Kings were due to arrive about mid afternoon on Monday so we started our hunting up at the Central Exploration site. By late morning it was hot, and we were not discovering a whole lot. This was the Schippers 1st U. P. outing in years so they needed a bit of coaching, especially with a new detector without an instruction book. Though I had the same brand, it operated entirely differently and I was a failure as coach. The total for the morning was a few greenstones and a couple of average copper specimens so it was time to go back to Laurium and Tony's pasties. After all, no copper hunting expedition is complete without a stop at Tony's.

With the marvel of cell phones we connected with Roger & Arlene, they were still an hour or so out, so we went down to the tailing piles at the Osceola site behind the State Police post. Over the years we had found some beautiful vugs with quartz and epidote crystals there. It was hot, and the piles have been well picked over, but still several nice specimens were found. Another call, and Roger and Arlene joined us. The heat and mediocre hunting soon sent us back to the campground where plans were made for Tuesday.

Tuesday, we headed west, to a series of mines in the Mass area where we had had some success in years past. When we arrived at the site it was apparent that there had been a lot of activity, small trees were uprooted and piles of large rocks heaped next to a long overgrown tailing pile. Our guess was that someone had been hunting datolite. Since we were hoping for copper we detected the overgrown trail and the surrounding woods. Several specimens were found and an unusual artifact, tentatively identified as a cleaning kit for a Sunshine lamp. As we spread out Roger headed uphill through the woods. Soon he returned to tell us that he had found some ditches and a possible settling pond, so we headed up the hill. In the woods we found a complex of foundations and a large chimney, obviously the site of a processing plant of some kind. In the area we found a number of copper specimens. The Schippers, still struggling with their detector only found a number of railroad spikes. The site had been important enough to have had its own railroad spur. There had to be more to find, so we decided to return on Wednesday.

Wednesday was dark and threatening, but the consensus was to return to yesterday's site. Back in the woods it was soon raining, and every limb seemed to have a bucket of water stored and ready to drench us if it was bumped. After an hour or so, thoroughly drenched we decided to 'move on.'

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We tried several old trails in the area of the Minnesota mine with little success. The final stop of the day was the museum in Rockland. Wednesday evening was swap night at the Quincy site, so after dinner we drove over. In spite of a threatening sky there was a lot of activity, so much to admire, and possibly buy. A dark cloud appeared to be passing nearly overhead when suddenly everyone was caught in a deluge, and had to scramble for cover. Soon the shower passed and a beautiful rainbow appeared, but the 'pot of gold' was nowhere in sight, and in fact most of the dealers decided to pack up their wet goods and leave.

Thursday was Cliff Mine day. The piles are still steep, and just a little hazardous. Arlene and Gladys decided the safest place was in the shade by the vehicles since it was once again very hot and humid. A few small copper specimens and a larger chunk of seam prehnite laced with copper was found as well as a number of 'chisel chips'. Best of all, everyone the detectorists, even Skip found at least one. We had noticed a number of survey stakes when we drove in, later a number of people showed up with shovels and other equipment. From them we learned that the Cliff Mine site has been designated as a historical site that was to be researched by Michigan Tech, and would be closed to rockhounding beginning next year.

Friday morning was threatening, and there were scattered showers as Roger led us to the Copper City site. Before we even had a chance to get out of the vehicles it began to lightning nearby and a heavy rain begun. Soon the parking area was covered with puddles, and the ground slimy. The decision was made, it was time to call Copper Hunt 2010 off, and to head for home.

A number of nice copper crystals have been discovered while cleaning the specimens, and several other copper specimens and greenstones are still waiting for additional cleaning and polishing. Did we find a lot? No, but it was a great time together as members of the Indian Mounds.

In Memory

Rudy Jauw, aged 87, passed away peacefully on October 1, 2010. He was preceded in death by his wife of 55 years, Vera. Surviving are his children, Ronald, Monique, and Paul, grandchildren, sisters in law, and many nieces and nephews. Rudy immigrated from Indonesia to the Netherlands while working for Shell Oil. He then immigrated to the US where he worked as an electrician and foreman. He followed his hobby as a Lapidary and was owner of Aleta's Rock Shop in Grand Rapids. He loved to share his passion and talk with Rockhounds of all ages in his shop. Memorials may be made to the American Heart Association or the American Cancer Society, and by remembering Rudy on the label of any specimens you acquired from him over the years.

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THE MIDWEST FEDERATION OF MINERALOGICAL & GEOLOGICAL SOCIETIES

Members of the Indian Mounds Rock and Mineral Club are automatically members of the Midwest Federation of Mineralogical & Geological Societies. There are a total of 117 clubs in Midwest Federation which includes the states of Minnesota, Wisconsin, Iowa, Illinois, Michigan, Ohio, Indiana, Illinois, Missouri, and parts of North Dakota, South Dakota, and Nebraska.

ORGANIZATION: The work of the Federation is directed by a board of five officers: a President, two Vice-Presidents, a Secretary and a Treasurer. They are elected annually by the member clubs and members of the Executive Committee via mail vote. Administrative work falls to the Executive Committee, which consists of the five elected officers, the State Directors, Committee Chairmen and Past-Presidents. This committee meets in the Fall and Spring and at the Annual Convention to report and make recommendations to the Council. The Council is comprised of the Executive Committee and one delegate from each member club. It meets at the annual convention to conduct the business of the Federation.

FINANCES: Member clubs pay annual dues, which at present are two dollars (\$2.00) per capita for each adult member and fifty cents (\$0.50) for each junior member of the Society. Of this amount, 75 cents (\$.75) per adult member goes to the American Federation. Dues do not cover all expenses; they are augmented by one quarter of the net proceeds of the annual Convention and Show and interest income from the MWF Endowment Fund.

Major expenses are operation of the Program Library, printing, telephone and postage involved in carrying out the Federation's work. No officer or member of the Executive Committee receives any kind of salary. They pay their own expenses to and at meetings, and donate hundreds of hours of their time and skill to the Federation. The President and First Vice-President, who are delegates to the American Federation Convention, receive some travel expense money. The Uniform Rules Chairman is also allotted travel money to the AFMS Convention.

SERVICES: State Directors and Assistants are available to give direct and personal help to existing Clubs, and to help form new Clubs. Directors are the important link between Clubs and the Federation, helping Clubs get full advantage of their membership and advising the Federation of Club needs.

In addition, more than twenty (20) Committees are available with information and assistance. You may contact the committee Chairperson directly to avail yourself or club to their services.

Services offered by several Committees are described on the next page:



The **MWF Newsletter** is the means by which Clubs are kept informed of Federation activities, personnel, publications and public service announcement related to our hobby. Each Club receives at least two (2) copies each month, except July and August. The newsletter is sent to two (2) officers designated on the Membership Renewal Form each year, with a third copy sent to the Club's newsletter Editor.

The **MWF Directory** is an annual reference book, available to all members. One copy is sent free to each Club and additional copies are available at cost from the Director of Supplies.

The **Program Library** makes slides, video, CD & DVD programs and information available to clubs and individual members.

The **Director of Supplies** is your primary contact for obtaining Midwest and American Federation items. Contact your State Director for information and help to set up an official Midwest Federation booth at your show. Meet your Director of Supplies at the next Convention and look over the materials that are available to you and your club.

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Uniform rules for competition among exhibitors have led to a dramatic improvement in the quality of displays at Shows and make judging less subjective. The **MWF Uniform Rules Committee** supervises competition and judging at Federation Shows and will assist at local Shows upon request. The Committee maintains a list of competent judges, works with AFMS on changes to, and clarification of the rules, and is willing to answer questions and receive suggestions. This committee will also provide training for members wishing to qualify as judges.

The **American Federation Scholarship Foundation** has raised the status of the hobby, honored professional leaders in the sciences and helped to train future scientists. The MWF Scholarship Committee keeps track of donations to this Foundation by MWF Clubs and individuals. MWF Clubs have been at the forefront of the activity, and proudly display certificates give for the level of their contributions over the years.

SELECTION OF THE SCHOLARSHIP HONORARY AWARD WINNER: The Scholarship Honorary Award Winner is an individual or individuals (often a professional educator) who are chosen to select the recipients of the MWF share of the AFMS Scholarship awards during the current year. The Scholarship Honorary Award Winner is selected via the following process:

1. Nominations are submitted by any club or individual member to the Board of Selectors. The Board consists of three members: One appointed by the MWF President, one chosen by the Nominating Committee, and the Scholarship Foundation Director as Chairman.
2. The "Board" nominates one or more persons for the award and submits its nominee(s) to the Jury of Awards. The "Jury" consists of the MWF Presidents, the immediate Past President, and the Scholarship foundation Director.

--From the Official 2010 Directory

Name the Pet Croc Contest

Our annual Gem & Mineral Show, April 7-9, 2011, will feature a 12-foot-long sculptured crocodile, patterned after a creature thought to have lived some 58 million years ago. When discussing this feature recently, Gordon Spalenka remarked, "Some folks have a pet rock, but we'll have a pet croc!" And so we will!

However . . . you can't have a pet without having a name for it. So we're having a "name our pet croc" contest. Every club member is encouraged to submit one suggested name. Just write your suggestion on a ballot (available at the next couple of club meetings), along with your name, and drop it in the "Name the Croc" box. Club members will select the winning entry at a later date.

Let's all put on our thinking caps and come up with something really unique and unusual!

Thank you to all that contributed: Don Van Dyke, Julie Donker, Kreigh Tomaszewski, Nancy Spalenka, Bryan Brewer, Jim Elliott, Rhonda Leep, and Dave Lehker. Thanks for putting up with me getting this newsletter together. Each month things go a little easier. Kreigh, Ronda and I are trying to get the addresses right. Please be patient. When you sign up for the e-mail edition, you get it the same day that I send it to Staples. This is your newsletter- all I am doing is putting it together and mailing it to you. I need all the help I can get. Stay safe during this year's holidays!!!

Indian Mounds Rock and Mineral Club

is a nonprofit organization, incorporated under the laws of the State of Michigan.

This club's objective is to develop and encourage interest in, and to further the study of minerals, gems, fossils, rocks, lapidary arts, and earth science.



Affiliated With the Midwest and American Federations of Mineralogical Societies

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ARROWHEADNEWS

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