



# ARROWHEAD NEWS

Wyoming, Michigan



**Get ready for our  
Silent Auction  
October 19<sup>th</sup>, 2010**



Photos by Bryan Brewer

October 2010  
Volume 47 #7

[www.IndianMoundsRockClub.com](http://www.IndianMoundsRockClub.com)

**New Editor- See Page 1**



# Arrowhead News

## 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 32<sup>nd</sup> Street, south of 28<sup>th</sup> 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 28<sup>th</sup> 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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...or here

The **subscription rate** for the **Arrowhead News** is just \$8.00 per year. Article submission is due to the Editor **before** the 25<sup>st</sup> of the month. Recent back issues of the Arrowhead News are available on our website.  
<http://www.indianmoundsrockclub.com/Arrowhead%20News.htm>

## Arrowhead News



### President's Message October 2010

Welcome to October, one of the more colorful months of the year in Michigan. Fall has arrived as we have our regular club meetings. October is the meeting you don't want to miss because it's when we have our Silent Auction! This is a great time to add to or subtract from your collection, and a great opportunity to clear out some of the excess items you may have in your collection or items that you are tired of and think someone else might have a good home for. Invite your friends, neighbors, co-workers, and any others you know to come and have a great time at one of our more popular and fun events. If you are selling items, please fill out your bid slips **prior** to the start of the meeting. We will be starting right on time, so you do not want to miss a single minute of the great deals and opportunities. Watch for a description of this event and the rules in the Arrowhead News. Our Silent Auction also has the best Ringmaster, named Ed Krzeminski, running this show. Ed's contribution to this event is one of the main reasons our Silent Auction runs smoothly. Tell Ed thanks when you see him.

Speaking of contributions, what have you done for your club lately? Think about what you can contribute, help or do to help your Club to grow. Club Elections are very near. They happen in November at our Annual Meeting. If you are approached by a Board member to consider a position – Don't hesitate – say Yes! It took a lot of help and work to get our club where it is today and the main reason for that is the foundation laid down and the contributions by its past and current members. And remarkably, in the tough economic climate the Great State of Michigan faces our Club is continuing to grow! So keep doing what you're doing that helps us grow, pitch in where you can, volunteer and most importantly - have fun.

I look forward to seeing you all at the next meeting.

Stay safe and have fun,

Jim

Our club extends a hearty "thank you" to John Donker for accepting the position of Assistant Chairperson for the club's annual mall show at Rogers Plaza. John's willingness to take on this responsibility is much appreciated!

### Kitchen Servers:

**October 2010:**      **Silent Auction!!!**  
                         **Everyone invited to bring something to eat!!!**

**November 2010:** Ruth Allen and Jessica Schmidt

**December 2010:** Christmas Party Potluck!!!  
                         Thank you, Eleanor Brummel

# Arrowhead News



## ROCKHOUND SCRAMBLE

*Reprinted from So You Think You Know All the Answers! By Kitty Starbuck, Kalamazoo Geological & Mineral Society, September 2002 via Rock Hustler's News, January 2005 and The Calgary Lapidary Journal, October 2007*

The following Rockhound related words are scrambled. Each word is either a form of rock, fossil or gemstone!

1. GAWYDU ODGEE \_\_\_\_\_
2. ULEB NELOHCDYAD \_\_\_\_\_
3. NBFURAIR TAGEA \_\_\_\_\_
4. ZLBIAINRA GTAEA \_\_\_\_\_
5. DAREMLE \_\_\_\_\_
6. DFIPERITE \_\_\_\_\_
7. QSUEIOTRU \_\_\_\_\_
8. NATSEPRIA \_\_\_\_\_
9. POAL \_\_\_\_\_
10. TMONANA GATEA \_\_\_\_\_
11. HSMYATET \_\_\_\_\_
12. IRPIAER EATAG \_\_\_\_\_
13. TIPODER \_\_\_\_\_
14. BYRU \_\_\_\_\_
15. TELOBIRIT \_\_\_\_\_
16. NAGRET \_\_\_\_\_
17. NAMDOID \_\_\_\_\_
18. SNETOLDGO \_\_\_\_\_
19. CRINITE \_\_\_\_\_
20. SSILSFOS \_\_\_\_\_
21. HIPSAPER \_\_\_\_\_
22. PAZTO \_\_\_\_\_
23. PIALS ALIZUL \_\_\_\_\_
24. HOMATMM OHTOT \_\_\_\_\_
25. MAQRAUAIEN \_\_\_\_\_
26. AEEHIMTT \_\_\_\_\_

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- 27. REOPPC \_\_\_\_\_
- 28. LODG \_\_\_\_\_
- 29. MTINUPLA \_\_\_\_\_
- 30. CINZ \_\_\_\_\_
- 31. NEAITRG \_\_\_\_\_
- 32. ZUQRAT \_\_\_\_\_
- 33. UXBATEI \_\_\_\_\_
- 35. EYPRTI \_\_\_\_\_

### Library News:

Many thanks goes to Rance and Anne Westover for taking over our club library. Both have excellent ideas that I am sure everyone will enjoy. They are offering to sell a worthwhile book; **Michigan Rocks & Minerals** at the Silent Auction for \$10.00. Delivery at the November club meeting just in time for Christmas!!!

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!!!

**See Rhonda Leep Secretary for payment or any questions needed. Check page 1 for yearly dues.**

**CORRECTION:** Harry Brummel would like to make a correction. His serving was of an assistant chairman of the annual Gem and Mineral Show for the first few years. Jake Vander Meer was chairman. We greatly appreciate the great work of both men.

## Arrowhead News



### Michigan Rock & Gem Shows October Dates

8-10--WARREN, MICHIGAN: Show, "Greater Detroit Gem, Mineral, Fossil & Jewelry Show"; Michigan Mineralogical Society; Macomb Community College Expo Center, Bldg. P, 14500 E. 12 Mile Rd., at Hayes; Fri. 9-7, Sat. 10-7, Sun. 11-5; adults \$8, seniors (62+) \$5, children (5-17) \$4; museum and university exhibits, private collector displays, educational displays, more than 50 dealers, minerals, gems, jewelry, carvings, fossils, lapidary supplies, beads, fossil dig, gold panning, gemstone hunt, silent auction, lectures, demonstrations, free mineral identification; contact Carol Werner, 3401 Briar Hill, Hartland, MI 48353, (248) 887-3906; e-mail: [briarhillwerner@comcast.net](mailto:briarhillwerner@comcast.net); Web site: [www.michmin.org](http://www.michmin.org)

16-17--CLIO, MICHIGAN: 43rd annual show & sale; Flint Rock & Gem Club; Carter Middle School, 300 Upland Dr. (off Vienna Rd., M57); Sat. 10-5, Sun. 10-5; adults \$3, children (6-18) \$1.50, Scouts in uniform free; mineral and crafters' displays, lapidary demonstrations, children's tables and activities, dealers, jewelry, gems, minerals, rough, door prizes, raffle; contact Ed Hearn, (810) 687-2339; e-mail: [edleo324@att.net](mailto:edleo324@att.net); Web site: [www.flintrockandgem.org](http://www.flintrockandgem.org)

22-24--MASON, MICHIGAN: 45th annual show; Central Michigan Lapidary & Mineral Society; Ingham County Fairgrounds, 700 E. Ash St.; Fri. 6-9, Sat. 10-7, Sun. 11-5; adults \$3, students \$1; door prizes, raffle, flint knapping, Petoskey stone polishing, gold panning; contact Lyle Laylin, 204 E. Grand River Ave., Lansing, MI 48906, (517) 485-7908; e-mail: [lyle18@gmail.com](mailto:lyle18@gmail.com); Web site: [www.michrocks.org](http://www.michrocks.org)

### November Dates

6-7--MIDLAND, MICHIGAN: Show and sale; Mid Michigan Gemcraft & Mineral Society; Midland Resort Hotel Convention Center, 1500 W. Wackerly St.; Sat. 10-6, Sun. 10-4; free admission; rocks, gems, minerals, fossils, jewelry, beads, Scout patches, photo op. with *T. rex* skull, demonstrations, presentations; contact Deb Acord, 55 Star Rd., Sanford, MI 48657, (989) 430-4471; e-mail: [jackdanred1@aol.com](mailto:jackdanred1@aol.com); Web site: <http://midlandrockclub.com/>

## Another Field Trip to the Alabastine Gypsum Mine

(Michigan Natural Storage Co.)

1200 Judd S.W., Grand Rapids, MI

Saturday, October 2, 2010, 10:00 am to 4:00 pm

Saturday, November 13, 2010, 10:00 am to 4:00 pm

Please read the whole notice before responding.

Because not everyone can make the Oct 2 trip, I have made arrangements with Professor Kevin Cole at GVSU to make a second collecting trip on Nov 13 into the former Alabastine Mine that is now owned by Grand Rapids Natural Storage. This is expected to be our last trip this year. There are still a few openings for the Oct 2 trip; you may sign up for both trips. Please mention the date you wish to reserve in your request. Ground rules for both trips are the same.

There is a wide variety of specimens to be collected. 'Pencil' selenite and alabaster gypsum are abundant, both white and honey colored. You may find clear selenite or satin spar gypsum. Fossil collectors may find shark coprolites, teeth, or spines, and plant and wood fragments, near and in the shale ceiling. Mineral collectors may enjoy seeing epsomite hairs hanging from the ceilings, but should only collect those that have fallen or are growing on rubble on the floor.



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**Safety:** Everyone must sign in when entering the mine. Everyone must sign out when leaving the mine. No exceptions. The safety list will be in the mine next to the elevator. I don't want to spend hours searching six miles of tunnels for some idiot who failed to sign out (you, won't be invited back). I will accept no excuses for failing to follow this basic safety procedure. Safety is not optional underground.

Please do not collect alone.

**Cost:** There is a \$2.00 fee per person for entering the mine. You may pay in advance, or when you arrive. You will not be allowed entry if you have not paid the fee. If paying by check, please make it out to Grand Valley State University.

**Equipment:** Hard hats are required. If you have extra hard hats, please bring them along (we usually have a few that do not have a hard hat, or forget theirs). Safety glasses are not required, but are always a good idea.

You must have at least two light sources. The mine tunnels we will be collecting in are not lighted. Make sure you start with new batteries, and have extras in your pocket. It is not possible to have too much light when you are 85 feet underground.

You must bring two pairs of shoes. One pair will be worn for travel in and out of the clean part of the mine that has cement floors. The second pair will be worn in the very muddy part of the mine where collecting will take place. It is strongly recommended that your second pair be boots for collecting in the drifts. It is very important to the mine owners that the finished parts of the mine remain clean because of the foods they store. We want to be able to return again, so this is an absolute requirement (unless you want to walk out barefoot, not recommended).

The mine is a constant 50-52 degrees. It is very muddy. Clearance in many tunnels is 4 feet so you will do some crawling. Please dress for the conditions. Expect to get very dirty. Gypsum/shale mud is very sticky.

**Tools:** Rock pick, 2-5 lb sledge, chisels. Make sure you have a bucket or collecting bag to carry out specimens. You may want some wrapping material (newspaper) for protecting your best specimens. You may want to consider a pry bar. Travel light.

**Food:** Mining is hard work. Bring a sack lunch and snacks. Everything you bring into the mine must be carried out. There are rest room facilities on the surface. Don't forget water.

**Elevator:** If you use the elevator you must leave the doors closed so it can be recalled from the surface or the mine. None of us want to be forced to use the stairs.

**Insurance:** You must be an AFMS related club member to attend the trip. Identify your club on your reservation request.

**Directions:** 131 to Burton Street West. Right on Clyde Park Left on Chicago Drive, Right on Judd. 196 to Chicago Drive (exit 72), Right to Burlingame, then Left onto Chicago Drive, Left on Marquette, Left on Judd. Back parking lot on the right. Please try to arrive at least 15 minutes early to sign in and pay your fee and sign in. Use Google Maps or MapQuest if you have doubts about the directions. Everyone must arrive on-time, but you may leave any time you have finished collecting.

Do not hesitate to ask questions. Contact (IMRMC) is Kreigh Tomaszewski at 616-243-5851 (home) or 616-787-7955 (work), or [Kreigh@Tomaszewski.net](mailto:Kreigh@Tomaszewski.net) (email). Email is preferred. Requests will be first-come, first-served.

The mine has restricted access for this date. The first 45 people who confirm reservations with me will be able to attend this trip. Children are welcome, but we ask that they be at least 8 years old. Please let me know as soon as possible if you are unable to keep your reservation.

I will keep a waiting list; please include your phone number with your (emailed) request so I can contact you at the last minute if someone drops out, or if there are last minute changes. People on the waiting list from the last trip always have the first opportunity to sign up for the next trip (if they provide an email address).

Kreigh Tomaszewski

## Treasure's Report:

August

End Balance: \$6,151.00

## Arrowhead New



### **OUR OCTOBER 2010 SILENT AUCTION**

#### **FOR ROCKHOUNDS, IT'S LIKE CHRISTMAS!**

#### **HOW THE AUCTION WORKS, AND HOW TO BUY STUFF**

On Tuesday, October 21st, the Indian Mounds Club regular monthly meeting will be replaced by our annual Silent Auction Sale, with the opportunity to buy and sell a wide variety of Rockhound items throughout the evening. **Please note that the Auction runs continuously from 7:00 pm to 9:00 pm.** The Auction will be held in our usual meeting room in the Wesley Park United Methodist Church basement. Sixteen sales tables filled with hundreds of bargain-priced hobby items will be open simultaneously for written bids on individual items. As each sales table is periodically sold (closed) and emptied every few minutes, it will be then be re-stocked with even more new rock goodies, all evening long. Generally five or six hundred rock and mineral hobby items are offered for sale that evening. And at bargain prices you just won't believe! There is definitely SOMETHING there with YOUR name on it!

In this section, we look at how our Silent Auction works (for you first-timers), review some buying tips, and ask for your volunteer help.

So... you want to improve your personal collection, but gas prices and time constraints limit your field trips, and most gravel pits and quarries are no longer open to collecting. You wince at the specimen prices online or at mineral shows, and many rock shops have now simply vanished. You still hope for some amazing bargains on beginner specimens, exotic crystals, fossils, slabs, lapidary rough, loose gems, finished jewelry, findings, beadwork, lapidary equipment & supplies, cabs, tumbler rough, collecting tools, books, magazines, and anything else hobby-related. Well, here comes your opportunity!

### **Here's how easy it is to buy items at the Silent Auction:**

1. Anyone may bid on any unsold item on any open Sales Table. You don't have to pre-register or be a club member in order to bid on items. (Note: These are written bids, not "shout out" bids.) This Sale is open to the public, and will be advertised locally.
2. Every item for sale has a Bid Slip with it. Each Bid Slip lists the item description, seller name, and the Minimum Bid amount. The Minimum Bid is the lowest amount that you may start your bidding at.
3. To place a bid, simply print your name and your bid amount legibly on the next open bid line on the Bid Slip, while a table is still open for bids. Like any auction, this is a binding bid. If you bid, then you are agreeing to purchase that item for that price.
4. If someone's name is already on the Bid Slip, and the table is still open, then you may overbid them by printing your name and a higher bid amount, on the next line. **Your bid raise must be at least 25 cents higher than the previous bid, unless otherwise noted by the Seller. On the Special Items Table, the bid raise is at least \$1.00.**



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5. Bidding rules are clearly posted at each Sales Table. When a table is "Sold" (closed), then you may no longer bid on an item. The highest written amount wins the item. If the table closes while you are writing your bid, then your bid counts. Any bidding disputes are settled immediately by the Auction Chairman.
6. When a table is Sold (closed), and if yours is the winning bid, you then pick up your item(s) and their Bid Slip(s) and take them directly and immediately to the Cashier Table for immediate payment.
7. Pay for your items right away at the Cashier Table. Payment is generally "Cash Only", unless approved by the Club Treasurer. All sales are final. You are responsible for safe-keeping your own paid-for items.
8. Any item which is left unclaimed after a table re-opens is then again available for anyone to bid on and buy.
9. The Indian Mounds Club is not responsible for any lost, stolen, or damaged items. There will be some club members there assigned to surveillance and general security, but please mind your valuables.

**Here are some buying (and courtesy) tips to improve your Silent Auction experience:** Get there at the beginning of the Auction (7:00 pm) to get in on the early bidding. If you see something interesting, put a reasonable bid on it right away; otherwise, if you wait, that table may be sold before you return to it. If you see a youngster bidding on an item, consider giving them a chance to win it. Please don't "hover" over an item; you might just miss out on some other nice stuff. Bring along an empty box (with your name on it) and some tissue to wrap and protect your winnings. Stick around until the very end of the Auction (9:00 pm) for some great discounts, deals, and "clearance" prices. And have some fun!

The Silent Auction is open to everyone, not just members, so invite your friends and neighbors. The Auction will be advertised in the newspaper and online. Also, please bring some items to sell. Don't forget to bring some extra cash and maybe your checkbook, in case you spot that special deal.

**THE CLUB STILL NEEDS YOUR HELP!** Auction volunteers are still needed, especially for the Set-Up Team. Extra workers are always welcome. Whether for the entire evening or just a half-hour, your help is greatly appreciated. If you can help, just give me a call (530-9571), and I'll find a volunteer spot for you. Also, **don't forget to bring some extra plastic bags (grocery size and smaller) for our Cashiers to use for bagging, plus some snacks and beverages for our Refreshment Sales Table to sell.**

## **PART 2: WE NEED YOU TO SELL ITEMS!**

This section focuses on **how to sell your stuff** at our Auction. We really do need **you** to bring items to sell that evening.

Do you have some extra specimens from collecting sites that are now closed? Maybe your garage or basement holds buckets of decent rocks that will never again see the light of day? Could one of your spare "dust collectors" become a prized specimen for a beginning collector? Wouldn't you rather earn a few bucks from your unused lapidary equipment than to have it just end up in the scrap yard someday? I thought so! Whether a collecting veteran with museum quality material, or someone who just wants to make a little room on their collection shelf or workbench, you can make a few extra dollars by bringing your rock-related items to sell at our Auction Sale.

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After receiving some helpful suggestions from last year's auction, we've again tweaked the rules a bit in order to improve the sale by getting a better distribution of material from all Sellers out onto the tables, and keeping the Sale moving. As always, your constructive suggestions are welcomed!

### **Listed below are the basics of How to Sell at the Indian Mounds Silent Auction:**

1. Anyone may sell items in the Silent Auction, including Club members, visitors, or someone who just found Grandpa's old rock hammers in the attic. Items should be hobby-related, or else approved by the Auction Chairman or Club President. All non-member Sellers must pay the minimum \$10 Club membership fee in order to sell their items. If not pre-paid, then the \$10 fee will be automatically deducted from the sales commission check by the Club Treasurer.
2. Commission Fee: 20% of your total sales automatically go to the Indian Mounds Rock & Mineral Club, and all sales money will be collected at the Auction by the Cashiers and Club Treasurer.
3. Payment to you for your sold items will be calculated by the Club Treasurer the week after the Auction, minus the 20% commission and any fees, and then a check will be mailed to you afterwards.
4. Indian Mounds Club members do not have to pre-register to sell items in the Silent Auction. Just show up with your items! Any non-members selling items must register at the Auction with the Club Treasurer, and leave your name, address, and phone number, if you want to receive payment.
5. Every item for sale must have an approved Bid Slip with it. Only the current version of the Bid Slip may be used. We cannot guarantee payment to you if an older version is used.
6. Blank Bid Slips are available online to print from the Club's website at: [www.indianmoundsrockclub.com](http://www.indianmoundsrockclub.com). Bid Slips will also be available at the Auction.
7. Valid Bid Slips must have an item description, plus a minimum bid price, and the Seller's name filled in. If an item's Bid Slip does not have a legible Seller name, it is considered to be 100% donated to the Club.
8. **IMPORTANT:** Unless you are part of the official Set-Up Crew, please don't come before 6:30 pm. **Between 6:30 and 6:45 pm ONLY, Sellers may place only one (1) item per table** along with its Bid Slip directly onto the Sales tables, if there is sufficient space. All other sale items, along with completed Bid Slips, must be dropped off in the Sale Staging Area for placement by Auction workers. This policy allows Sellers an opportunity to get their highest priority items onto the sales tables.

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9. ONLY authorized auction workers are allowed to stay in the Sale Staging Area and to re-stock sales tables. Sellers are not allowed to move their own items onto sales tables during the Auction. We are trying to be fair to everyone who brings material to sell.
10. Security: Although the Club does take some security measures during the sale, if you have an item of special security concern (for example, a small faceted gem), you are urged to keep an eye on your own such items, or to make special arrangements with the Auction Chairman.
11. Sellers, please take your unsold items home with you immediately after the Auction. We will try to save any unsold material, but we cannot guarantee that it will not get lost, damaged, or donated. Any leftover items are considered abandoned, and may become property of the Club, for disposal.
12. Any bidding or selling disputes are settled immediately by the Auction Chairman.

**Here are a few selling tips** for improving your chances of a successful sale: Give your sales items a good cleaning or dusting, so that they look their best. For slabs and lapidary rough, rubbing with a bit of mineral oil really brings out the colors. Fill out your Bid Slips at home, so that you don't miss out on precious sales time during the Auction. Having a detailed item description, including its source, greatly increases its value. Price your items reasonably; a low starting price often sparks interest and competitive bidding, resulting in a higher sale price. Get to the Auction early to get your items quickly ready to sell. Volunteer to help out wherever needed, because more help means a smoother Auction -- and happy bidders! Happy bidders mean happy Sellers!

**Yes, you can be a successful Seller.** Tidy up your collection or workshop, sell off some unneeded hobby items, and make some easy cash in the process. It's that simple! The Silent Auction Sale will be advertised locally and online; so, with gobs of buyers coming, all we need are your items to sell.

**NOTE TO SELLERS:** Sellers will not be allowed to linger in the Sales Staging Area. If your Bid Slips are not completed ahead of time, you will have to fill them out in the Kitchen Area across the hall. Also, there will be a Special Items Sale Table available for items with a Minimum Bid of at least \$25. A copy of a blank Bid Slip is available at [www.indianmoundsrockclub.com](http://www.indianmoundsrockclub.com).

See you at the Silent Auction! -- Ed Krzeminski, Auction Chairman

**The West Michigan MWF Mineral Study Group** started its second year by meeting on the second Tuesday of September to study the Mica Group of minerals. The word "mica" is thought to be derived from the Latin word *micare*, meaning "to glitter". The Mica Group contains 44 different phyllosilicate minerals that share a similar chemical formula and nearly perfect basal cleavage. All are monoclinic and tend to have pseudo-hexagonal crystals.

The four common mica members are Muscovite (white), Biotite (black), Lepidolite (purple), and Fuchsite (green). Laboratory analysis is usually required for positive identification of specific mica minerals within the group. The group had ten different mica minerals for hand study. You learn hand identification by studying a variety of known specimens, which is why we ask everyone attending to try to bring one or more specimens of the mineral of the month to our meeting

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Large mica crystals are typically found in granite pegmatites. The largest mica crystal ever found came from Ontario and weighed 330 tons. Mica is found throughout the world.

Mica's are used in electronics to make capacitors and insulators. Mica's also have excellent thermal properties and are used to hold resistance wires in toasters, and as windows into boilers and furnaces. Mica in the form of isinglass was used in lanterns, windows in horse drawn carriages, and in early automobiles.

Mica is used in the optics industry. It is a component of many brands of toothpaste. It is used in the paint and printing industries to make pigments and reflective finishes, and it is used in cosmetics to make the skin 'glow'.

Mica also finds use in making building insulation, improving the quality of axle greases, and in making potting soils. The extremely flat faces of mica crystals are used in making atomic force microscopes and other scientific devices that require ultra-flat surfaces.

The next West Michigan MWF Mineral Study Group will meet from 7 to 9 pm on October 12, 2010, at the home of Bryan Brewer, 1148 60th St. S.E., Kentwood, MI 49508. We will be studying the Garnet Group of minerals. 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 growing opportunity.

## Presidents board meeting 092110:

<b>Secretary</b>	August Board Meeting minutes were passed out and a motion to approve notes as published passed.
<b>Treasurer</b>	Gave report in Club meeting.
<b>Program</b>	October is Silent Auction night and November's meeting will include election of officers and material from our Opal DVD collection.
<b>Editor/ Publisher</b>	No additional report from Editor/Publisher.
<b>Web</b>	No Report
<b>Field Trips</b>	No reports different from Club meeting.
<b>Show Committee</b>	John Donker is John Kuipers assistant for show committee and Julia Donker has been working on publicity for Spring Show. "Unburied Ancient Treasures" theme for 2011 show. Discussion regarding flyer for show 'museum quality exhibits, ID of minerals, Scholarships' to be included this year.
<b>Publicity</b>	We need to contact Roger Horvater and confirm if he is still interested helping with publicity.
<b>Sunshine</b>	Report given in Club Meeting.
<b>Librarian</b>	Donna Griseto will take book orders for the Westover's at the Silent Auction.
<b>Historian</b>	Discussion regarding keeping of old MWF directories in library or archive.
<b>Membership</b>	Club dues are due. Please mail to Rhonda Leep or plan on paying at Silent Auction – you can pay more than one year at a time if it is convenient for you.
<b>Sales</b>	Ed will contact church and get dates for next summers' tailgate auction and was authorized to work on publicity [fee based] for Silent Auction.
<b>Old Business</b>	Opal DVDS were returned- thanks! Kitty Starbuck from the Kalamazoo club has a contact in regards to purchasing name badges and club patches.
<b>New Business</b>	Nominating Committee for Elections- Nancy Spalenka and Dave Lehker- reminder that November is election month- if you are interested in an office please contact Nancy or Dave.

**Adjourned**  
Rhonda Leep

2010

# Arrowhead News



## Board Members Present

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

**President Jim Elliot welcomed members and visitors to club and reminded everyone about the Silent Auction night for our October Meeting. Jim then introduced Nancy Spalenka to start our program on geodes that was presented by Steve Tchozeski.**

Secretary	There were no minutes from May meeting except for results of Best of Show that were published in September.
Treasurer	Dave gave report to date.
Program	Everyone enjoyed Steve Tchozeski's program "GEODES-WHAT THEY ARE, HOW THEY ARE FORMED AND WHERE THEY ARE FOUND" thank you Nancy.
Editor/ Publisher	Donna would like people to send articles to her for the newsletter.
Web	Brenda will continue to support our website- let her know what you would like to post or link.
Field Trip	Kreigh updated members regarding October Alabastine trips, and Nancy Wolf has information regarding field trips to Alpena, Portland and Grand Ledge with other local clubs. Please contact Kreigh or Nancy for specifics for trips.
Show Committee	No discussion regarding April show at club meeting.
Publicity	Roger Horvater has volunteered to help us- Thanks Roger!
Sunshine	Eleanor gave her report and reminded everyone to bring something to Silent Auction for snack table.
Librarians	Rance and Anne Westover are our new librarians and have two new Michigan Mineral books available to purchase – orders taken till October 31 and will be available at November's meeting payment when you pick up books. Good stocking stuffers for your favorite rock hounds.....
Historian	Nancy Spalenka is our new Historian. If you have any old programs [1970's or so] or photos please contact Nancy.
Sales	Ed K. reported that in three hours the total sales were almost \$1700.00 for the June sale.
Correspondence	Nancy and Gordon Spalenka attended the MWF annual meeting for the club and will share information regarding in the following months.
Membership	Will have update on new members for November meeting. <b>Membership dues are due – plan on paying at October meeting or mail to Rhonda Leep Membership chair. You can pay for more than one year at a time if it would be convenient.</b>

Old Business	No old business was discussed at club meeting.
New Business	Silent Auction night! Sellers plan to arrive between 6:30 and 6:45 with your slips prepared. Ed K. still needs more volunteers – Please contact Ed if you have an hour to help the club.
Mineral Study	Contact Kreigh for schedule and location of meetings.
Adjourned	
Rhonda Leep	<i>Secretary 2010</i>

## **Program Review:**

Many visitors were among the fifty-three persons who enjoyed a very informative and entertaining program on “Geodes—What they Are, How they are Formed and Where They are Found” presented by Steve Tchozeski at our September meeting. He told us about various kinds of quartz and how geodes are balls of quartz. We were shown samples of lava geodes, formed in gas bubble holes, and molded cast (fossil) geodes. Following the meeting, those in the audience were invited to choose a geode and Steve would crack it open. Many thanks Steve for a wonderful program.

## **MIDWEST FEDERATION CONVENTION:**

Gordon Spalenka was the delegate and Nancy the alternate delegate at the Midwest Federation of Mineralogical and Geological Societies Convention and Show in Peoria, Illinois, August 28-29. There were 22 delegates attending this convention. There are currently 117 total member clubs in the Federation, with 6752 Adults and 832 juniors. The MWF has printed a new Youth Junior Handbook and a new Club Leadership book. These were purchased for our club library.

At the delegates council meeting it was noted that, although members of local gem and mineral clubs are automatically a member of the Midwest Federation, many mineral club members know very little about the Midwest Federation. To help our club members familiarize themselves, some information about the Federation will be printed in the Arrowhead News for the next few months.

There are 24 Permanent Committees in the Midwest Federation. These committees include such topics as archaeology, education, endowment fund, environment/legislation, lapidary, arts, micromounts, mineralogy, paleontology, program requests and more. All can be called upon for information/help. Cindy Root is in charge of the Federation website: <http://www.amfed.org/mwf> Check out the website to learn more.

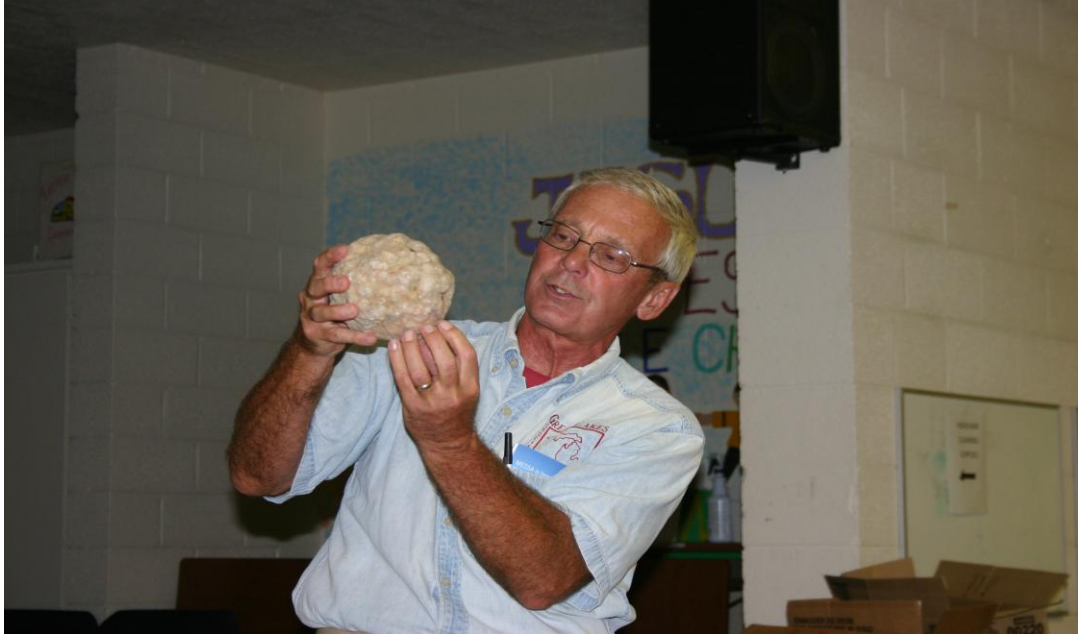
The 2011 Convention will be hosted by the Toledo Gem & Rockhound Club, Sept. 9-11, 2011. The 2012 the Convention host will be the American Federation of Mineralogical Societies and held in Minnesota, July 26-29, 2012.

**What Lies behind us and what lies before us are tiny matters compared to what lies within us.**  
**-Ralph Waldo Emerson**

Thank you to this month’s contributions: Brenda van Dyke, Eleanor Brummel, Kitty Starbuck- Kalamazoo Geological & Mineral Society (Word Scramble), Kreigh Tomaszewski, Jim Elliott, Anne and Rance Westover, Bryan Brewer, Nancy Spalenka and Ed Krzeminski.



## Arrowhead News



Answers to the Rock Work Scramble will be published in the November newsletter. I am very sure that most of you will be able to complete this puzzle in no time. Thank you for being patient with me. The only mailing list I was able to work off of was from May 2010. Rhonda tried to catch me up on a few. Please let me know how you want your newsletter mailed. It is getting better slowly. I had to finish the newsletter early for the September issue because I went to visit my pregnant daughter in Washington State. Thank you Kreigh, for taking over e-mailing the newsletter to our club members. Up to now we e-mail this newsletter to 52 computers. Go Green!!! This is **your newsletter** and I need everyone to send me articles or pictures. Until next month.... Donna

**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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