



# ARROWHEAD NEWS

Wyoming, Michigan



## MWF MINERAL STUDY GROUP STUDIES PYRITE



*Photo by Bryan Brewer*

See page 6 for MWF Mineral Study Group News

**April 2010**  
Volume 47 #4

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

*Welcome to the ARROWHEAD NEWS,  
official publication of the Indian Mounds Rock & Mineral Club of Wyoming, Michigan.*



# 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



<b>President</b> <b>Jim Elliott</b> 7475 Parsonage Saranac MI 48881 616-642-0442 <a href="mailto:jimboell@iserv.net">jimboell@iserv.net</a>	<b>Vice President/Program</b> <b>Nancy Spalenka</b> 2119 Waldron St SW Wyoming MI 49519 616-249-0513 <a href="mailto:gnspalenka@sbcglobal.net">gnspalenka@sbcglobal.net</a>	<b>Secretary/ Membership</b> <b>Rhonda Leep</b> 11199 Gun Lake Rd Middleville MI 49333 269-795-7629 <a href="mailto:rsleep@chartermi.net">rsleep@chartermi.net</a>	<b>Treasurer</b> <b>Dave Lehker</b> 1716 Lotus SE Grand Rapids MI 49506 616-243-1257 <a href="mailto:lehkerd@gvsu.edu">lehkerd@gvsu.edu</a>
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**Board Member**  
**Orville(Skip) Schipper**  
269-795-9121  
[goschipper@sbcglobal.net](mailto:goschipper@sbcglobal.net)

**Board Member/  
Publisher/Librarian**  
**Donna Griseto**  
810-444-5611  
[dbgriseto@aol.com](mailto:dbgriseto@aol.com)

**Board Member**  
**Bob Beauvais**  
616-534-3871  
[rebeau@juno.com](mailto:rebeau@juno.com)

**Sunshine/Kitchen**  
**Eleanor Brummel**  
616-453-1658

**Field Trip**  
**Kreigh Tomaszewski**  
[kreigh@tomaszewski.net](mailto:kreigh@tomaszewski.net)  
**Nancy Wolff**, assist.  
269-983-4900  
[nancyswolff@hotmail.com](mailto:nancyswolff@hotmail.com)

**Dealer Chairs**  
**Kris Quint**  
269-926-7610  
[rkquint@cpuinc.net](mailto:rkquint@cpuinc.net)  
**Nancy Wolff**  
269-983-4900  
[nancyswolff@hotmail.com](mailto:nancyswolff@hotmail.com)

**Show Chair**  
**Harry Brummel**  
616-453-1658  
**John Kuipers**, assist.  
616-534-9298

**Liaison**  
**Don Van Dyke**  
4296 Oakview  
Hudsonville MI 49426  
616-669-6932  
[donvandyke@tm.net](mailto:donvandyke@tm.net)

**Editor/Web**  
**Brenda Van Dyke**  
1531 Whitmore Ave NW  
Grand Rapids MI 49504  
616-735-1235  
[brenick@gmail.com](mailto:brenick@gmail.com)



**Sales**  
**Ed Krzeminski**  
3838 Crowfoot SW  
Grandville MI 49418  
616-530-9571  
[edkrzeminski@juno.com](mailto:edkrzeminski@juno.com)

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>



**NO PRESIDENT'S MESSAGE  
PROGRAM REVIEW AND PREVIEW**

*By Nancy Spalenka, Program Chair*

The beautiful spring-like weather brought 49 people to our March meeting to learn about the Keweenaw National Historical Park and see some great copper specimens Don Van Dyke had collected over the years. The video told the story and showed scenes of early mining adventures in the Keweenaw and the communities grew because of them. Thanks Don for sharing this interesting video which with us.

**SPRING BANQUET – 45<sup>th</sup> Anniversary**

TUESDAY, APRIL 20, 2010

**PUNCH BOWL AT 6:15 PM – BANQUET STARTS AT 6:30 PM**

Everyone is to bring their own table service and a "hot dish" and salad or dessert to pass. The meat and beverages will be provided by the club. Responsibilities for the evening will include: Punch - Marlene Lynnes, Meat - Roger Hovarter, Favors - Rhonda Leep, and Centerpieces - Gladys Schipper.

This is the 45 Anniversary of the Indian Mounds Rock and Mineral Club. Let's have a great turnout to celebrate. Invitations have been sent to other gem and mineral clubs. We hope many of our members will be on hand to greet these guests.

The speaker for the banquet will be David Lacko, of D'JAR Meteorites and dealer/astronomer from Taylor, Michigan. His topic will be "The Tells of a Meteorite". He would like people who have them to **bring a 10 power loupe or a magnifying glass and a rare earth magnet, or super strong magnet** as he will be bringing samples for people to study.

Dave started out collecting rocks when he was young. In his late teens he got gold fever as a prospector. As an amateur astronomer he saw a meteorite ad in Sky and Telescope magazine and purchased one for a gift and one for himself. After that was hooked and didn't stop buying, reading, and learning about meteorites. He has been on field trips collecting and studying meteorites in areas that are known for meteorite strikes. This promises to be an interesting "hands on" program. You won't want to miss it.

**TREASURER'S REPORT**

*By Dave Lehker, Treasurer*

Beginning balance:	\$5719.57
Expenses:	
Sunshine:	\$20.00
Newsletter:	\$137.69
Wesley Church:	\$200.00
Mailing Labels:	\$75.00
Income:	
Deposits:	\$1345.00
End Balance:	\$6631.88



## Arrowhead News



### "BEST OF THE YEAR" SHOW

By Kreigh Tomaszewski

Time is rapidly approaching for our annual "Best of the Year" competition. If you don't enter, you will not be in the drawing for gift certificates for our June 12 Summer Super Sale. Please start looking NOW for your best specimens to enter (as long as they have not been entered previously).

You may enter **one** specimen in each category. The more categories you enter the better your chances of winning. The categories are...

Creative Arts (self made, not purchased):

1. Bulletin Article (Editor Brenda will select the best articles from the past year {hopefully, one per month}). You need to think about writing an article or two this year for next year's "Best of the Year" show.
2. Bead work: Bead stringing or weaving (mineral instead of glass beads preferred.)
3. Cabochons: any shape or size, natural preferred but may be synthetic, no plastic.
4. Metalworking: Metal forming, inlaid design, cast, smithed, or wirewrapped.
5. Most Creative Use of Lapidary: Must contain some formed natural stone.

Collected Items (must be natural minerals/specimens, cleaning permitted):

6. Self collected Thumbnail: must fit in a 1x1x1 inch box
7. Purchased Thumbnail: must fit in a 1x1x1 inch box (may be a gift or trade.)
8. Self collected specimen: must be larger than a thumbnail.
9. Purchased specimen: must be larger than a thumbnail (may be a gift or trade.)
10. Self collected fossil: cast, mold, trace, replacement, carbon, etc., but not pseudo.
11. Purchased fossil: same rules as 10 (may be a gift or trade.)

World Class (must start with natural minerals, cleaning and alteration permitted):

12. Most unusual specimen: Forget the ordinary. Unusual associations. Legally collected cave formations. Casts, molds, meteorites, dyed or irradiated specimens, fluorescent, or whatever originally natural specimen you can come up with.
13. Ugliest specimen: It should be a natural specimen, but creative touches (like eyes, arms, etc) may enhance its lack of appeal.
14. Best of Show: Any specimen, from any category (above). What grabbed you? Pick the best of all the displayed specimens.

Juniors (you must be under 18 to enter -- juniors may enter any adult category too):

15. Junior Best of Show: Any specimen, any category. One specimen per Junior.

Be sure to read the May issue of the *Arrowhead New* for more details on the entry process.

The May meeting will start at 7 pm, but if you are entering you will need to come early so you can register and display your specimens before the meeting starts (setup starts at 6:30). This is the one meeting you need to be early for -- if you are late you will miss out!

### EDITOR'S EXCUSE OF THE MONTH

Not enough submissions and not enough time, never enough time...that reminds me...

### Coming soon!

Nick and I will be partnering in a new venture. ART ADDICTIONS and Oddities will be opening at 517 Leonard St NW May 1<sup>st</sup> (tentatively.) As the name implies, this will be a store where art and other oddities can be found. We will be showcasing and selling art from local artists...stay tuned for more!

# Arrowhead News



## BOARD MEETING MINUTES – MARCH 16, 2010

*By Rhonda Leep, Secretary*

Nancy Spalenka welcomed all board members to meeting.

- Secretary** Motion to approve minutes as read passed.
- Treasurer** No additions to club meeting.
- Program** Keweenaw National Park- Don Van Dyke presented. Best of show program in May to be chaired by Kreigh.
- Editor/ Web** No Report
- Publisher** No Report
- Field Trips** No Report
- Show Committee** John needs proof of insurance to mall for show. Determine # of tables and chairs needed.
- Publicity** Ed Krzeminski has ads set for April Show. Rhonda Leep posted show in Art Jewelry [Lapidary Journal] web page. Note: Rock and Gem need 4 month notice to post.
- Sunshine** No Report
- Librarian** No additions to club meeting.
- Historian** Need Chairperson
- Membership** Continue with updating membership information.
- Sales** Ed had quotes for large sign for club and board selected one for Ed to order.
- Old Business** No report
- New Business** No report
- Adjourned**

### Board Members Present

<b>President</b>	Jim Elliot	Publicity	<b><i>Needed</i></b>
<b>Vice President</b>	X Nancy Spalenka	Historian	<b><i>Needed</i></b>
<b>Secretary</b>	X Rhonda Leep (membership)	Librarian	X Donna Griseto
<b>Treasurer</b>	X Dave Lehker	Field Trip	X Kreigh Tomaszewski
Sales	X Ed Krzeminski		Nancy Wolff
Publisher	X Donna Griseto	Show Chair	X Harry Brummel
Sunshine	X Eleanor Brummel		John Kuipers
Dealer Chair	Kris Quint	Editor/Webmaster	Brenda Van Dyke
	Nancy Wolff	Board Member	X Bob Beauvais
Liaison	X Don VanDyke (past President)	Board Member	X Donna Griseto
		Board Member	Skip Schipper

# Arrowhead News



## CLUB MEETING MINUTES - MARCH 16, 2010

By Rhonda Leep, Secretary

Vice President Nancy Spalenka welcomed everyone and introduced Don VanDyke to start our program.

Secretary	Minutes-motion to approve as published in Arrowhead News passed.
Treasurer	Dave gave report to date. Noted new policy regarding lunches- club will reimburse up to a total of \$40.00 for lunch/snacks to encourage all to take a turn.
Program	Don VanDyke brought media documenting copper country and Keweenaw National Park in UP.
Editor/ Web	No report
Publisher	Worked out printer and moving issues same time newsletter was published.
Field Trip	Kreigh updated members regarding April Alabastine trip is full, but is working on a June trip. Please contact Kreigh for specific questions.
Show Committee	Gordon Spalenka has floor plan for display cases. Signup sheets for Host-Hostess- Harry Brummel Egg Cartons - specimens are needed - see article. Snacks are welcome at setup. <b>BLUE jeans are not welcome at mall.</b>
Publicity	<b>Still need a chairperson!</b>
Sunshine	Eleanor had several cards to sign at the meeting.
Librarian	Late returns will have their names published in newsletter.
Historian	<b>Still need a chairperson!</b> We are interested in ideas for our spring banquet since it will also be our 45 <sup>th</sup> Anniversary!
Sales	Ed Krzeminski has sale flyers for June sale.
Correspondence	Letter from MWF regarding change to by-laws in regards to host clubs donating specific percentage of their profits to MWF for annual weekend conference. We voted in favor to remove the sentence that specified how much profit the MWF receives.
Membership	Would like to get membership profiles updated. Please contact Rhonda Leep for changes and updates.
Old Business	Needed photographer for newsletter - have two volunteers - Bryan Brewer and Cliff Lynnes- thanks guys!
New Business	<b>Volunteers needed to work on 45<sup>th</sup> Anniversary Committee - Please contact Nancy Spalenka!</b> Banquet- bring your table service, hot and cold dish to pass- meat is provided. <b>If you have a rare earth magnet bring it!</b> Host/Hostesses needed for guests-you just need to bring extra table settings and sit your guests with you [I had a lot of fun hosting last year!]. Please contact Nancy if you would like to host ☺.
Mineral Study	Skipping a month because of the show and banquet.
Adjourned	



### MWF MINERAL STUDY GROUP NEWS (PYRITE)

By Kreigh Tomaszewski



The MWF Mineral Study Group met on the second Tuesday of March to study Pyrite, the sulfide of iron better known as "fool's gold". Those attending had done their homework and brought facts about Pyrite as well as specimens to share. The best way to learn hand identification is to handle a lot of identified specimens. Learning together we make this happen.

Pyrite has a hardness of 6 to 6 1/2, a conchoidal fracture that might better be described as uneven to brittle, and no cleavage. Specific gravity is very close to 5. Pyrite forms isometric crystals; commonly cubes, 12-sided pyritohedrons, and octahedrons. Crystal faces usually exhibit parallel striations. Pyrite is pale to brass yellow. Pyrite is found in almost every habit; if you see a rock that is rust stained it is probably a sign of pyrite.

Pyrite used to be an important source of sulfur to make sulfuric acid, and a minor ore of iron. Today it is usually treated as a gangue mineral except in countries that are poor in iron. Pyrite often contains microscopic specks of gold in its grains making it a cyanide leachable ore of gold that can be of economic importance (but it is usually just fool's gold).

The West Michigan MWF Mineral Study Group will not meet in April because of the Indian Mound's Club Show - the next meeting will be on May 11, 2010 from 7 to 9 pm at Kreigh Tomaszewski's home, 653 Burton St. S.E., Grand Rapids, MI 49507. For May we will be studying the Feldspar Group; Orthoclase, Microcline, and the Plagioclase series of Albite, Oligoclase, Andesite, Labradorite, Bytownite, and Anorthite. The Feldspars are more common than Quartz, and there is good reason to study the member minerals as a Group.

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(s), and (hopefully) bring along at least one specimen (of each Group member) to let others look at (the more, the merrier). We hope you can join us for this learning opportunity.





### **IVORY AS I KNOW IT**

*By Steve Crabbs*

Before going on a field trip to the Lizzadro Museum of Lapidary Art and the Chicago's Field Museum, I called Dorothy at the Lizzadro to talk to her about ivory. She stated ivory should not be exposed to directly light that might heat up the ivory and crack it. I did not ask her what, if any, effects LED radiation might have on ivory. Any light should be diffused. Dorothy did not recommend using a half a lemon rubbed in salt to clean ivory. I tried this on one signed light-damaged piece of mine, I rubbed this on the bottom and it did turn it white. I found it also scratched and removed half the (ink) signature of the piece. I, myself, like my ivory to age naturally. It would be different if I had and still wanted an ivory pool cue ball set (cue and numbered balls) I would use this on the cue ball only. As for rubbing a soft damp cloth on ivory, she did not recommend this as ivory absorbs moisture and could dry out and crack them. She uses mineral oil to clean ivory. I tried this. It did not remove ink from any of my ivory. Dampen a soft cloth with oil and lightly rub ivory clean. As far as storing ivory in the dark, one employee at the Lizzadro stated keeping ivory in the dark would keep the ivory from aging (yellowing.) I keep mine in zip lock bags in several deposit boxes. I have not had any problems except for one piece I stored with a strange stone carving, the ivory started to mold. Store ivory with ivory, not with opal. It's also important to control humidity and temperature changes. I know this because both museums had gauges for temperature and humidity. I can't tell you what they were set at as I had download memory card mishap. I am still in the 20<sup>th</sup> century and can't do this. I also can't show you club members on the trip, jade and ivory carvings also. I can tell you it's worth the field trip to both, and don't forget \$'s for the gift shop.

Unless you are experts when buying ivory, buy it from places you can trust like the Lizzadro gift shop. If you can't do that, here are some tips that might help on your treasure hunts. Heat up a needle and push it into a spot on the bottom or back of your ivory in an inconspicuous area. If it melts, it's plastic. If it smells like burnt hair, it's most likely ivory. Be careful of tagua nut carvings (ivory look-a-likes), tagua is a nut grown in Brazil. One sure way to tell you are buying real ivory is to look for ivory with a checker-board bottom. Only elephant ivory has this pattern. You can't miss this when you see it, this is a sure thing. In all ivory, be careful of pieces that are tan or brown over 100 percent of the piece as ivory can be soaked in tea to make it look like old ivory. Ivory will turn color, mostly in grooves, or where the body touched ivory. Like a good luck Buddha's belly or an umbrella handle. Big and or tall carvings should have a patch on the bottom center of the carving where the blood vein ran through the tusk. Most carvings are signed by the carver.

Ivory erotica is out there. Japanese ivory carvings are bold and blunt. Chinese ivory carvings are very discrete. Like an ivory male face with eyes that move in and out (the "lustful man.") They may have a hut roof with a man lying on top, face-down – lift the roof, see his face - look down, see the lady (the "peeping Tom.") They might have sliding doors and have an emperor inside, having fun. Netsukes are ivory carvings with two holes that form a tunnel or channel through the piece. It's used for a silk waist belt string to go through to hold a money bag. Be careful when buying these, as it should be mounted realistically when tied. It should have enough ivory in the channel to hold the weight of the money bag without breaking it. The further the piece sticks out, the higher the stature of the person wearing it. Look pieces that have ink of any type and/or moving parts or layers of moving parts. They are worth more \$.

Good luck! Happy hunting and storing. Thank you Nancy and Gordon Spalenka and the staff of the Lizzadro. And thank you to Tulip City Rock and Mineral Club for a great trip! When are we going again? I miss the gift shops already.



# Arrowhead News



## March's Club Meeting where Don Van Dyke shared his knowledge of Michigan's Copper Country

Photos by Bryan Brewer



## *Courtesy Corner*

*Here are the kitchen sign-ups for:*

*April: is our banquet ~ everyone brings your table service and a dish to pass*

*May: Arlene King & Lois Van Dyke*

*Summer means picnics in the park*

*(see page 1 for details)*

**Indian Mounds Rock & Mineral Club member and**

**rockhound Marvin Visser**

**passed away Tuesday, March 16, 2010.**

***He will be missed.***

*Dear Indian Mounds club,*

*Thank you for your lovely card.*

*I think of you often.*

*The Indian Mounds club was one of the highlights of my life.*

*Today I am looking forward to spring when*

*I'll be able to sit on my patio and*

*take my dog for a walk now and then.*

*God bless you all,*

*Peg Saunier*



## Arrowhead News



**April**  
**8, 9 & 10**

- **INDIAN MOUNDS ROCK & MINERAL CLUB'S**
- **35th Annual Show - Rogers Plaza 10 AM to 9 PM**

**April 20**

- **IMRMC MEETING**
- Wesley Park United Methodist Church
- Tuesday, 7 PM – 9 PM
- Program: Spring Banquet, "The Tells of a Meteorite" speaker, Dave Lacko, Dealer/Astronomer from Taylor, MI

**May 11**

- **WEST MICHIGAN MWF MINERAL STUDY GROUP**
- 7 - 9 pm at Kreigh Tomaszewski's home, 653 Burton St. S.E., Grand Rapids, MI 49507.
- We will be studying the Feldspar Group; Orthoclase, Microcline, and the Plagioclase series of Albite, Oligoclase, Andesite, Labradorite, Bytownite, and Anorthite.

**May 18**

- **IMRMC MEETING**
- Wesley Park United Methodist Church
- Tuesday, 7 PM – 9 PM
- Program: Best of the Year - by and for Club Members

**June 4, 5,  
& 6**

- **49TH ANNUAL SHOW - "FORTY-NINER MINERS"**
- State Line Gem and Mineral Club
- Fulton County Fairgrounds, 8415 SR 108; Wauseon, OH
- For information contact : Doris Brzezicki, Show Chairperson, 517-263-1669, rychar@tc3net.com.

**June 12**

- **IMRMC - ROCKS & MINERALS 2010 SUMMER SUPER SALE**
- Wesley Park United Methodist Church
- Saturday 9 AM - Noon - Rain or Shine

**June 12 &  
13**

- M.G.A.G.S. 36TH ANNUAL ROCKHOUND SEMINAR
- and MIDWEST FACETERS GUILD SEMINAR
- Webberville High/Middle School
- www.mgags.org - email webmaster@mgags.org
- Contact Don Brown 313-421-8159 or Neil Snapp 517-339-2863

**September**  
**21**

- **IMRMC MEETING**
- Wesley Park United Methodist Church
- Tuesday, 7 PM – 9 PM
- Program: "Geodes", speaker, Steve Tchozeski

**The 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**

Brenda Van Dyke, Editor  
1531 Whitmore Ave NW  
Grand Rapids MI 49504-2459



**Email edition**