

GOTTA LOVE THOSE EGG CARTONS



PHOTOGRAPH BY KREIGH TOMASZEWSKI

THE KIDS AREA AT OUR ANNUAL SHOW, FEATURING THE EGG CARTON MINERAL COLLECTION, THAT EACH 'KID' GETS TO PICK OUT AND LABEL IS ALWAYS A BIG DRAW.

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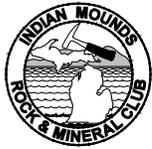
*The Indian Mounds Rock and Mineral Club
 is a nonprofit organization, incorporated under the laws of the State of Michigan.*

*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

*Articles originating with the Arrowhead News may be used by affiliates of the AFMS, MWF,
 or other non-profit organizations only, as long as proper credit is given (unless stated otherwise.)*



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



Visitors are welcome at all Meetings!

WHEN & WHERE

Club Meetings are held at 7:00 PM on the 3rd Tuesday, September through May, 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 3rd Tuesday, June through August, our club has a **picnic** at Pinery Park in Wyoming, which is on DeHoop just north of 28th Street. 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 4th Tuesday of the month.

Club Membership dues are \$15 per family, \$10 per individual and \$5 per junior. Payment is due by the 3rd 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. Membership includes 9 issues of the Arrowhead News.

WHO'S WHO

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The **subscription rate** for the **Arrowhead News** is \$8.00 per year. *Emailing is encouraged - just ask!* Article submission is due to the Editor **before** the 1st of the month.

The Arrowhead News is also available on our website. Send **exchange newsletters** to the Editor.

All articles without a byline have been written by the Editor.

Liasion

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PRESIDENT'S MESSAGE MAY 09*By Jim Elliott, President*

Here it is, the beautiful month of May already. Spring is upon us and we had a really great turnout for our Spring Banquet last month. As usual, we had an abundance of good food, conversation and a very interesting program about the old mines and towns in the Upper Peninsula Copper districts. We also had a record number of visitors from other clubs sharing our hospitality. Past President Don Van Dyke was presented with a very nice watermelon tourmaline from Brazil as a token of appreciation for all of the hard work and contributions during the previous three years as President.



Our next meeting features the Best of the Year. This is one of the best opportunities to show your stuff in a friendly competitive atmosphere. Bring in your recently acquired field trip collected or purchased specimens, along with your best handiwork and crafted lapidary items. You should be able to find a description of the categories and the rules elsewhere in this issue of the *Arrowhead News*. (see page ??) You can enter as many categories as you want, but please remember that you are allowed only one entry per category per person. We will have a special Juniors category so make certain that our younger members participate too. We will have some very nice prizes for the Juniors!

The upcoming May meeting is our last formal meeting until September. Mark your calendars for other fun and exciting events this Summer including our Summer sale. Don't forget the Summer potlucks every third Tuesday at Pinery Park at 6:30 PM. You know the food is going to be good.

Enjoy your Summer! Get out and collect something to bring and show off at the potlucks or for the next Best of the Year! Volunteer for something! We always have an abundance of tasks that the club needs help with. Our club is actually growing and thriving which speaks highly about the membership and your commitment. You have to feel quite proud about that!

Most of all – Stay safe and have fun,
Jim

INDIAN MOUNDS ROCK & MINERAL CLUB EVENTS

- May 19 **IMRMC MEETING**
 Tuesday - 7 PM - 9 PM
 Program: "Best Of the Year" (see page 4)
- June 13 **IMRMC SUMMER SUPER SALE** (see page 10)
 Wesley Park United Methodist Church
 Saturday 9 AM - Noon
- October 20 **IMRMC SILENT AUCTION**
 Wesley Park United Methodist Church
 Tuesday - 7 PM - 9 PM

ATTENDANCE
 AT
 April's
 MEETING:
 63!!!

OTHER THINGS TO DO

- June 13 - 14 **MGAGS SEMINARS**
 Webberville High School

JUNIOR ACTIVITIES

Michele Yamanaka, MWF Junior Activities Chairman; MWF News, May 2009

Studying a particular mineral for one meeting can be helpful to teach juniors the basics of identification. Have the juniors look at table salt with a loupe or magnifying glass to see beautiful examples of cubic shape and cleavage. It is helpful to have a larger specimen of halite to demonstrate testing its properties.

HALITE

Halite is sodium chloride. It is in the Halide group of minerals. These are soft minerals. Most of them are water soluble (dissolve in water) and form cubes. You know Halite by another name: table SALT.

Physical description:

Hardness: 2.5. This means **halite** is softer than calcite and harder than talc. It should be about the same as gypsum.

Color: Colorless, white, sometimes reddish or blue.

Specific gravity: 2.1-2.6. Since the average specific gravity is 2.5-5, a piece of **halite** will seem lighter than a piece of quartz about the same size.

Crystal form: Cubic, sometimes massive. Often the crystals will have hopper-shaped sides (see drawing).

Luster: Glassy.

Cleavage: perfect cubic. This means that if you hit a crystal of **halite**, it will break into smaller perfect cubes. Look at table salt with a magnifying glass!

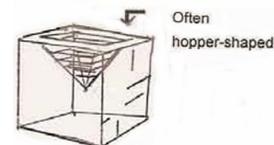
Best places to find it: New York, Michigan, New Mexico, Louisiana, Kansas, Utah, California, Germany, Poland, or Austria.

Where to look for it: Dried lakes in desert areas and in sedimentary beds.

OTHER INTERESTING FACTS: May fluoresce red. Tastes salty. Good crystals form on the surface of evaporating dry lakes. Keep your specimen in a container with silica gel to absorb moisture, or your piece may gradually dissolve because of air humidity.

Uses:

1. Man has always valued salt because it is necessary for human life. It is used in food preparation.
2. In earlier times, salt was used like money - people traded it for other products.
3. It is used in making other chemicals.



PROGRAM REVIEW AND PREVIEW

By Nancy Spalenka, V.P./Program Chair

The nicest compliment a club could receive was given to us by a visitor at the spring banquet who said she had a nice time, and continued by saying that our members were very friendly and made people feel welcome. A record number of 63 adults and children attended. Most came for the banquet, but a few came just for the program. Larry Molloy illustrated his interesting program about the "Life of a Michigan Copper Miner" with a slide program that made giant pictures on the wall. Our many thanks to Nancy Richardson for the beautifully decorated tables, to Nick Van Dyke for his delicious punch, and the Roger Hovarter for preparing the tasty pork with apple sauce.

Now it is time to prepare for next month's "Best of the Year" program. Everyone is invited to enter. The only requirement is that it be a specimen that has not been entered before, and **only one entry in each category**. Look at the categories listed below and see what you might have to bring.

CATEGORIES FOR "BEST OF THE YEAR"

Creative Arts:

1. Bulletin Articles – Selected by the Editor, from those printed in the past year.
2. Beadwork – Bead stringing or weaving.
3. Cabochons – Size or shape does not matter. Real or artificial stone, but no plastic.
4. Metalworking – Metal forming, inlaid designs, casts, free form, or wire-wrapped. Must include at least one stone.
5. Creative Use of Lapidary – Anything creatively using lapidary materials.
6. Ugliest Specimen – This could be all natural, but you are encouraged to 'doctor' it to bring out its worst!

Collected Materials: (All natural but cleaning is allowed)

1. Self-collected Thumbnail – Any mineral or crystal small enough to fit in a 1x1x1 inch box.
2. Purchased Thumbnail – May be purchased or from a trade or gift.
3. Self-collected Specimen – Any mineral or crystal specimen larger than a thumbnail.
4. Self-collected Fossil – Any fossil you have found, including casts, molds, carbon replacements, etc. of leaves, shells, bones, or traces/tracks (but no pseudo-fossils.)
5. Purchased Fossil – Same as above but purchased or from a trade or a gift.
6. Most Unusual - No limit, except 'unusual' and legally acquired. Forget the ordinary. Think petrified wood, cave formations, slabs, concretions, molds, pseudomorphs, unusual associations, fluorescents, meteorites, or altered materials (dyed, heat-treated, etc.)

GENERAL INFORMATION REGARDING PROCEDURE:

1. Register your entry on a category sheet at the sign-in table. There is a sheet for each category. Beside your name and item will be a number. This will be your assigned number for that category.

ONLY ONE ENTRY PER CATEGORY.

2. Next take a label for your entry. Write the name of the category, material, location, and the assigned number on this slip. YOUR NAME MUST NOT APPEAR ANY WHERE ON THE LABEL OR ENTRY (or it must be covered), except for bulletin articles. After being registered and labeled, all items will be displayed on tables by category, and voted on by all attending members and guests. There will be first, second and third place ribbons for the winners.

3. There will be a special table for entries by the youth. These items may be in any category, but one item per youth. We hope each youth will have an entry. There will be prizes for the youth entries.

4. The meeting will begin at 7:00 PM, but PLEASE plan on arriving early so you have time to check in your entries. This process takes quite a bit of time. 6:15 is not too early. This is your program, so it would be nice if every member would submit at least one entry. The more categories you enter, the more interesting it is. Seeing the different types of materials or different things club members have collected or have made makes this an enjoyable evening.

BOARD MEETING MINUTES

By Rhonda Leep, Secretary

April 21, 2009 President Jim Elliot welcomed club members and officers to board meeting.

Secretary: Minutes from March approved as published in newsletter

Treasurer: Dave gave a partial report because he did not have all sales data complete from show. Sent email out later in month.

Program : Spring Banquet Program was well attended with visitors from 3 area clubs- Speaker Larry Molloy and wife Nancy- Gordon and Nancy Spalenka Hosting Wonderland-Chuck Wing, Audrey Quisenberry, Linda Stockton- Jim Elliot Hosting Tulip City-Dave Nienhuis and Carole Belknap- Roger and Arlene King Hosting Kalamazoo- June and Donny Downing, Bill Mitchell-Rhonda Leep Hosting

Editor: Concerns regarding editors' dial up internet connection. Approval from board to supplement an upgraded service to continue Editor's great work. [trial for a year]

Webmaster: No report

Publisher: Jim thanked Donna for her continued good work.

Field Trips: May 2nd field trip to Gypsum Mine. Roger King had information regarding May 16th trip to Indiana and June Downing from Kalamazoo Club had information regarding their scheduled field trips [to be shared when I have electronic copy].

Show Committee: Excellent Job- Harry and John!

Publicity: Nick was not present, but Don Van Dyke and Rhonda Leep will help with getting summer and fall sale flyers to Kalamazoo Rock Show the first weekend in May. [costs approved for copies]

Sunshine: Eleanor reported that Missy & Mike Steigenga and Arlene King have May Lunch.

Library: Arlene did have new books in library.

Historian: No news

Membership: Rhonda Leep and Dave Lecher reported more new memberships after Spring Show. Board approved the following- any new or current [paid up membership dues] member who pays a full membership at or after the spring show will be paid up for the next year.

Sales: Ed K. asked for help getting flyers to Kalamazoo show and found helpers.

Best of Year Show May 2009: Nancy S. to chair, Donna G. and Rhonda L. to help with ballots. Please review rules for best of show and come early.

Correspondence: Jim shared correspondence and Rhonda Leep shared invitation from Mid West Faceters Guild.

Old Business [nothing at this time]

New Business Suggestion that in September, Librarian Arlene to recommend 1 to 3 books from library to be read by club members.

Organize lecture script, presentation package[s?], and list of people who would like to make presentations to schools. Volunteers to communicate to local schools that our presentations and periodic charts are available.

Round Robin:

Adjourned

Rhonda Leep- Secretary 2009

BOARD MEMBERS PRESENT

President	<input checked="" type="checkbox"/>	Jim Elliot	Historian	<input checked="" type="checkbox"/>	Arlene King
Vice President	<input checked="" type="checkbox"/>	Nancy Spalenka	Editor/Webmaster	<input type="checkbox"/>	Brenda Van Dyke
Secretary	<input checked="" type="checkbox"/>	Rhonda Leep [membership]	Publisher	<input checked="" type="checkbox"/>	Donna Griseto
Treasurer	<input checked="" type="checkbox"/>	Dave Lehker	Liaison & P. Pres	<input type="checkbox"/>	Don Van Dyke
Sales	<input checked="" type="checkbox"/>	Ed Krzeminski	Sunshine	<input checked="" type="checkbox"/>	Eleanor Brummel
Librarian	<input checked="" type="checkbox"/>	Arlene King	Show Chairs	<input checked="" type="checkbox"/>	Harry Brummel
Field Trip	<input checked="" type="checkbox"/>	Roger King		<input type="checkbox"/>	John Kuipers
Publicity	<input type="checkbox"/>	Nick Van Dyke	Dealer Chairs	<input type="checkbox"/>	Kris Quint
Board Member	<input checked="" type="checkbox"/>	Donna Griseto		<input type="checkbox"/>	Nancy Wolff

TREASURER'S REPORT*By Dave Lehker, Treasurer***March**

Beginning Balance:		\$5,967.33	
Expenses:	Show Flyers:	\$30.00	
	Newsletter and printing:	\$175.00	
	Show Advertizing	\$172.00	
	Hall Rental:	\$800.00	Total Expenses: \$1,177
Income:	Membership:	\$55.00	
	Lunch Money:	\$19.75	
	Raffle:	\$22.00	
	Show Deposits:	\$160.00	Total Income: \$256.75
Ending Balance:		\$5047.08	

Mini-Silent Auction

A total of \$113.10 was collected from members sales during the March meeting.

April Show

Expenses:	Flyers:	\$30.00	
	Advertising	\$172.25	
	Mall Rental	\$800.00	
	Tables and Chairs	\$718.00	Total Expenses: \$1720.25
Income:	Club Sales:	\$1220.15	
	Dealer Registration and Rental:	\$2,85.00	Total Income: \$4075.00
Net Show Income:		\$2,354.75	

No CLUB MEETING MINUTES due to the Spring Banquet

PLEASE REMEMBER TO WEAR YOUR CLUB NAMETAG TO CLUB EVENTS!

CALLING ALL COPROLITES!

From Kreigh Tomaszewski

The curator of the Sterling Hill Mining Museum has contacted me to see if I can come up with six to eight decent shark coprolites from the Alabastine Mine to be included in a new display of odd things that come out of the earth. I think I have just two coprolites in my collection. I'm hoping one of the club members had a good day collecting and would like to have their name in a museum display case. Contact Kreigh <Kreigh@tomaszewski.net> or 616-243-5851.

Hello Rockhounds!

Continuing on with my plans of moving to QC, I am looking at auctioning off my mineral collection. The material will be roughly; 100 lbs of cutting material; 2,000 lbs. of mineral specimens; no machinery. I figured it was better to auction off the material at a loss, than to have to pay for shipping costs to QC.

Notable items will be some old Luna Agate from Mexico, some large museum-type pieces of SW WI minerals from the Bill Figi Collection (noted in John Barlow's Book and collection), about 400 lbs of iridescent pyrite from Buffalo, IA which can no longer be collected, 200 lbs of Phantom Calcite from Racine which can no longer be collected, fluorite from the So. IL district, and about 500 lbs of fresh Dolomite/ Quartz/ Pyrite/ Calcite from QC that will be wholesaled by the flat....to name just a few of the many items. The QC items will continue to be collected, so if any dealers reading this would like to see some of these items, please respond back and I will email you a picture. I believe they are some of the most stunning combo pieces coming from CA right now and they are at a very reasonable price too.....starting at \$100 per flat for approximately 30 pieces. Pieces are available up to \$1,000 if you are looking for the showcase centerpiece. I also believe the AAA calcite from here to be some of the best currently on the market and I would compare it to the So. IL fluorite district gold orange and gem yellow.

Details of the auction are as follows:

Date: Saturday, May 30th, 2009

Place: Roy Zimmerman's old house at N2302 Airport Road, Brodhead, WI 53520 (intersection of Airport Rd. and Halfway Tree Road)

Directions: From Brodhead, take HWY 11 West for about ¼ mile, then take a left on Airport Rd on the curve. Auction is the last house on the left.

Time: 1:00 PM and there will be no preview

Lunch: No lunch will be provided, but bathrooms will be available

Terms: Cash and Check. Checks over \$500 need to have bank statement available and sign contract guarantee

Contact: Dave Zimmerman - david@showchair.com Phone calls will only be answered the week of the auction, as I am in QC. 608-921-0206

Hope to see you all there!! Please forward this on to any interested parties you may know of.

Have fun!

Dave Zimmerman

COURTESY CORNER

*Kitchen Hosts for May
Arlene King and Mike Steigenga*

*Kitchen Hosts for September
Kris Quint and Nancy Wolff*

Please keep the following in mind while you are out collecting or cleaning out the garage or basement this summer:

ITEMS NEEDED FOR THE NEXT GEM AND MINERAL SHOW

GRAB BAGS

1. Cloth bags made for the grab bags.
2. Small specimens with labels for the grab bags.
3. Small zip lock bags for the small specimens. - 2"x2"

EGG CARTON SPECIMENS

Have some. Need More!

1. Apatite
2. Copper
3. Barite
4. Apache Tears
5. Basalt Roses
6. Quartz

Donated & Not Used

Kona Dolomite

(Needs to be broken up)

WE NEED OTHER KINDS OF SPECIMENS FOR EGG CARTONS OR GRAB BAGS

Except:

Hematite

Soap Stone

Chrysocolla

Fluorite

Milky Quartz

Iron Garnets

We have enough of these.

KIDS CORNER

For 'Pups' of All Ages

By Don Van Dyke

Here is our last 'challenge' before summer. Hopefully you will be able to do some collecting this summer. KIDS, remember to take some of your finds along to the September meeting!

Remember, write your answers on a separate paper so everyone in the family can do the quiz. Compare your answers. Who is the smartest in your family? At our May meeting we will ask some of you how you did.

1. Lapis lazuli (A beautiful blue stone, usually from Afghanistan)

A/ Lapis lazuli is named for the Laplanders who live where it is found.

B/ It is named for Lapis lazuli, an early explorer who found it in ancient India.

C/ It's name comes from words from two different languages that describe it.

2. Citrine

A/ Citrine is named after Citrus fruit (Can you name 4 Citrus fruits?)

B/ It is named after a certain fruit.

C/ It was first found on Citrine Island in the South Pacific.

3. Pyrite

A/ Named from something it does when struck.

B/ Named after the Pyrenees, a mountain range where it was 1st found.

C/ Named after a word for its color in another language.

4. Topaz

A/ Topaz is named after Alexander Topaz who first identified it as a gemstone.

B/ Topaz is named after the Topaz Mountains where it was discovered.

C/ Topaz is named after an Island.

Answers on page 12



Rocks & Minerals **2007 Summer Super Sale**

Host: Indian Mounds Rock & Mineral Club

Date: Saturday, June 16, 2007
9 am to Noon (Rain or Shine)

Place: Wesley Park United Methodist Church
1150 32nd Street SW Wyoming, Michigan

Admission: Free

Sellers: Anyone may sell; no set-up charge, but 20% of total sales is paid immediately to the Club.

Tables & Tailgates full of bargains -- outside in the parking lot if the weather is nice; inside if it's not. Sellers, bring your own tables; and 20% of your gross sales are paid immediately to the Club before leaving. Buyers, you'll find oodles of specimens, crystals, slabs, rough, fossils, equipment, jewelry & more! There will also be a **Silent Auction Sale** inside the church hall (and it's air-conditioned!).

SPECIAL!

THE HUGE ESTATE OF A LONG TIME COLLECTOR WILL BE SOLD.

FOSSILS, CRYSTALS, CUTTING MATERIAL, & MUCH MORE.
SOME FROM LOCATIONS THAT ARE NO LONGER ACCESSIBLE!

Directions: From Holland: Take I-196 to M-6, then exit north onto Byron Center Avenue for about 3 miles, then right onto 36th Street for a mile and a half. Turn left onto Michael Avenue for a half mile to 32nd Street From US-131: Take 131 to the 36th Street exit in Wyoming, turn west onto 36th Street for about a mile, then turn right onto Michael Avenue for a half mile to 32nd Street. On SE corner of 32nd & Michael.

For Event Info: Don Van Dyke 616-669-6932 or Ed Krzeminski 616-530-9571

Indian Mounds Rock & Mineral Club and Wesley park United Methodist Church are not responsible for any injury, loss, or damage due to event activities or changes.

2009 CENTRAL OHIO
35th Annual
MINERAL, FOSSIL, GEM & JEWELRY SHOW

Saturday, May 30, 10 AM - 6 PM
Sunday, May 31, 11 AM - 5 PM

Veterans Memorial
300 W. Broad St.
Columbus, OH



Exhibits and dealers with treasures from around the world, PLUS:

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- Demonstrations
- Free specimen ID booth
- Large silent auction and SWAP area
- Educational exhibits
- Children's games
- Free specimens for children
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Fun for the whole family!
Lots of exciting treasures!



Adults \$7.00 (2-day pass \$12), Senior Golden Buckeye discount
Youth 6-16 \$3.00 (under 6 free), Scouts & 4-H in uniform free

BRING IN THIS FLYER FOR \$1 OFF ONE ADULT ADMISSION

For information, contact: Ken Harsh at 614-433-9778 or karmakenha@aol.com

Sponsored by the Columbus Rock & Mineral Society
with the help of the Licking County Rock & Mineral Society



KIDS CORNER
ANSWERS from page 9

1. C/ The name Lapis lazuli is from the Latin word *lapis* which means stone, and the Persian word *lazward* which mean blue. (Bonus question: Is Lapis lazuli a mineral or stone and what is the difference?)
2. B/ Citrine is from the French word *citron* (lemon) referring to its yellow color.
3. A/ Pyrite, a word from the Greek *pyros* (fire.) So named since it gives off sparks when it is struck.
4. C/ The word Topaz comes from the Greek name *Topazion*, for an Island in the Red Sea where topaz was found. *Topazion* means to seek, since the island was often covered with mist.

B&T ROCK SHOP
SHOWCASE JEWELRY

1404 State St.
Bay City, MI 48706
South of Wilder Rd.

Please let your members know that it is with mixed feelings , after 40 years, we will be closing the B&T Rock Shop and the Showcase Jewelry on July 1, 2009. During the month of May, we will be open Wednesdays only from 10am-5pm. During the month of June, our hours will be Tuesday through Saturday, 10am-5pm. Beginning May 6th, everything will be discounted including machinery, mineral specimens, supplies, findings, slabs, jewelry, dolls, etc. All rough rock will be sold at 50 cents per lb.



PICTURE PAGES



JUST A TASTE OF OUR 34TH ANNUAL SHOW



PHOTOGRAPHS
SUBMITTED BY ANN WESTOVER AND KREIGH TOMASZEWSKI



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