



Mid-Ohio Mineral and Fossil Club

# The LITHNICS

Volume 61 Issue 2

April 2023

# THE LITHNICS



A QUARTERLY PUBLICATION OF  
THE MID-OHIO MINERAL AND FOSSIL CLUB  
MANSFIELD, OHIO



## CURRENT OFFICERS

PRESIDENT .....	Tom Kottyan
VICE-PRESIDENT .....	Jim Baumgartner
PAST PRESIDENT .....	Bill Byrley
RECORDING SECRETARY .....	Pat Everly
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EDUCATION .....	Tom Kottyan
FIELD TRIPS .....	Brad Wagner + Jeff Murray
GORMAN CENTER LIAISON .....	Tom Kottyan
HISTORIAN .....	Jason Larson
HOSPITALITY .....	Joel Likins
MEMBERSHIP .....	Pam Kottyan and Jason Larson
SHOP .....	Walt Upchurch
SHOW .....	Tom Kottyan and Jason Larson
SPECIAL INTERESTS .....	Joyce Kish, Susan Mathews, Bryan Summer
VIDEO/BOOK LIBRARY .....	Carolyn Kelly
LITHNICS EDITOR .....	Bryan Summer

1290 Fairview Ave  
Galion, OH 44833  
bryansummer1@gmail.com

# OUR CLUB

**PURPOSE:** The purpose of the Mid-Ohio Mineral and Fossil Club, is to create an interest in and study of the earth sciences and all lapidary arts and to afford an opportunity to share knowledge and working techniques with others.

## MEETINGS:

**General club meetings** are at 7:00 pm on the first Monday of the month at:

**Gorman Nature Center, 2295 Lexington Avenue, Mansfield, Ohio.**

If the first Monday falls on a holiday we meet one week later.

Visitors are always welcome.

**Special Interest Group (Classes) meetings** are held September through May at 7:00 pm on the second Monday of the month. See Special Interest Chair, Mike McCullough.

## CANCELATION OF A MEETING

If for any reason the club officers feel that a meeting should be canceled you will be notified by email as soon as possible. If Mansfield schools are closed so are we. If for any reason you don't feel safe to drive to a meeting, please, please stay home.

## Annual dues are:



<b>Adults</b>	<b>\$ 15.00</b>
<b>Children under 16</b>	<b>\$ 5.00</b>
<b>Family</b>	<b>\$ 20.00</b>

Dues are due Jan. 1st of every year. Whether you join in January, December, or any month in between, the cost is the same. Everyone's dues are due again the next January 1st .

**LITHNICS:** Our quarterly newsletter.

Permission is hereby granted to use any original **LITHNICS** articles, whole or in part, as long as proper recognition is noted with the reprint.

Club members are encouraged to make contributions to the LITHNICS.

Contact: Bryan Summer (bryansummer1@gmail.com)

# The Mid-Ohio Mineral and Fossil Club



## Message from the President Tom Kottyan

Fellow Mineral and Fossil Club Members,

**All Hands on Deck!** We need all of you to help with our June Mineral + Fossil Show. If everyone works 1 ½ hours, that would be all anyone would have to work. It's not fair for other club member to have to work more hours. Most clubs require 4 hours of work at their show. Put this in your plans now! We need our new and younger club members to step up to help and learn the various jobs necessary to put on a great show. The show does not magically happen. We are all busy, just set aside 1 ½ hours and join our fellow club members in making our show a success. Also, if you have never created an exhibit in our show cases, this is a great time to start. We will be glad to help you get started on a show case. A great way to share your geology hobby collections and creations.

Our Silent Auction is a great place to donate your extra minerals and fossils or samples you don't want to keep. This is a great way to benefit our club financially. I have seen too many collections that have 10-15% of really great specimens and the rest is just stuff. Many of the auction items are specimens that we wonder why we even picked up, and that includes me. This is why I give 75-100 specimens to the club auction each year. A donation to our Silent Auction is a tax write-off!

Get involved in our Mineral + Fossil Club! You will be happy that you did.

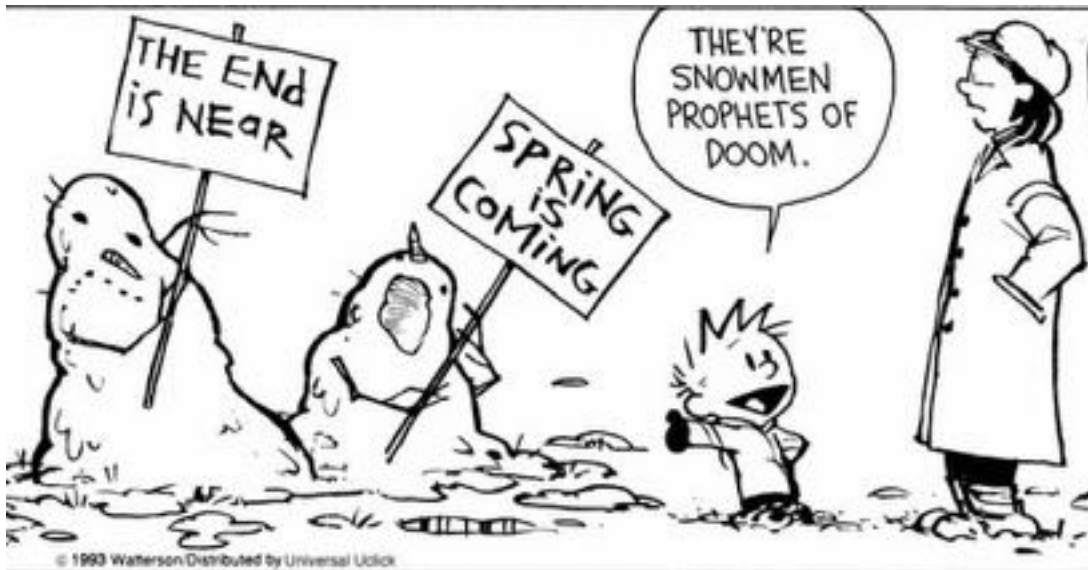
Tom Kottyan, Club President

*Tom Kottyan*

**Mid-Ohio Mineral and Fossil Club President**

**Upcoming Meetings – all meetings are at the Gorman Nature Center at 7:00 pm**  
**Continue to watch for information about future meetings in your email.**

- Monday, January 2      7:00 Meeting Gorman Nature Center
- Monday, February 6      7:00 Meeting Gorman Nature Center
- Monday, March 6      7:00 Meeting Gorman Nature Center
- Monday, April 3      7:00 Meeting Gorman Nature Center
- Monday, May 1      7:00 Meeting Gorman Nature Center
- Monday, June 5      7:00 Meeting Gorman Nature Center
- **June 10 + 11      Mid-Ohio Mineral Show - Sat + Sun**
- Monday, July 10      7:00 Meeting Gorman Nature Center
- Monday, August 7      7:00 Meeting Gorman Nature Center
- Monday, Sept. 11      7:00 Meeting Gorman Nature Center
- Monday, October 2      7:00 Meeting Gorman Nature Center
- Monday, November 6      7:00 Meeting Gorman Nature Center
- Monday, December 4      5:00 Christmas Dinner at Golden Corral



### Special Area Events

- |  |              |                 |
|--|--------------|-----------------|
| 1. Lowe Volk Park Arrowhead Hunt           | April 8      | 10:00 - All Day |
| 2. Gorman Nature Center Rock + Mineral Day | May 13       | 11:00 - 3:00    |
| 3. Gorman Nature Center Artifact Day       | June 24      | 10:00 - 2:00    |
| 4. Flint Ridge Spring Knap-in              | May 26 - 29  |                 |
| 5. Fossick Gold Days                       | June 17 + 18 |                 |
| 6. Gold Rush Days                          | Sept 2 + 3   |                 |
| 7. Flint Ridge Fall Knap-In                | Sept 1 - 4   |                 |

## 2023 Mid-Ohio Mineral and Fossil Show

June 10 - 11

Show Theme: Trilobites

**Mid-Ohio Mineral and Fossil Club**

**GEM, MINERAL, JEWELRY,  
BEAD, & FOSSIL SHOW**

**Trilobites**

JUNE 10 + 11, 2023  
Saturday 10 - 6 and Sunday 11 - 5





Richland County Fairgrounds - Fairhaven Hall  
750 North Home Road, Mansfield, OH



"It's some kind of silly note from the barbarians, sire. It says, 'We will, we will, rock you. We will, we will, rock you' ..."

## Smithsonian

### Types of Rock Art: Petroglyphs and Pictographs

Geology.com



A **petroglyph** is an image that is carved into a **rock**. This "carving" can produce a visible indentation in the rock, or it can simply be the scratching away of a weathered surface to reveal unweathered material of a different color below. Image copyright iStockphoto / amygdala\_imagery.



A **pictograph** is a drawing or painting that is created on a rock. It is not "carved" into the rock Image copyright iStockphoto / Andrea Gingerich.

## **Speculations on the 2,300-Year-Old Mystery of Orichalcum**

By Brad Zylman

Midwest Federation of Mineralogical and Geological Societies

April Newsletter

Orichalcum, or aurichalcum, is a metal mentioned in several ancient writings, including the story of Atlantis in the *Critias* of Plato (written about 360 BCE). Within the dialogue, Critias claims that orichalcum had been considered second only to gold in value and had been found and mined in many parts of Atlantis in ancient times, but that by Critias' own time orichalcum was known only by name.

Orichalcum may have been a natural metal such as a gold alloy, as it was thought to be mined, or one type of bronze or brass, or possibly some other metallic alloy.

In 2015, metal ingots and war helmets were found in an ancient shipwreck in Gela, Sicily, which were made of an alloy primarily consisting of copper, zinc and small percentages of nickel, lead, and iron. They were labeled as orichalcum. However, the name for this alloy has been used in many ways over time by coin makers and metalsmiths who were trying to capitalize on Platonic-Atlantean associations.

It could be that this alloy's composition was rediscovered or learned from Vedic sources who long used an alloy named panchaloha to create Hindu temple idols and religious jewelry. Whatever the case, orichalcum was highly regarded, as it did not tarnish. It was also durable enough for use in jewelry.

The name is derived from the Greek oreikhalkos (from oros, mountain and chalkos, copper), meaning literally "mountain copper". The Romans transliterated "orichalcum" as "aurichalcum," which was

thought to literally mean “gold copper.” It is known from the writings of Cicero that orichalcum resembled gold in color but had a much lower value. In Virgil’s Aeneid, the breastplate of Turnus is described as “stiff with gold and white orichalc”.

Orichalcum has been held to be an alloy of gold and copper, copper and tin (bronze), copper and zinc (brass), or a metal or metallic alloy no longer known. At one point, “orichalcum” was used to describe the sulfide mineral chalcopyrite and also to describe brass. However, these usages are difficult to reconcile with the claims of Plato’s Critias, who states that the metal was “only a name” by his time, while brass and chalcopyrite were very important in the time of Plato.

Most likely, being that Atlantean time frame predates the Bronze Age or any real metallurgical human understanding, it was probably a naturally found substance. It had to be mined easily. Plato wrote that the outer wall of the temple to Poseidon and Cleito on Atlantis “flashed with the red light of Orichalcum.” Since we’re talking about a myth that predates the Bronze Age, there is only one red metal that could have been found easily and worked easily by ancient men. It seems that the best fit is copper.



*Ingots found in a shipwreck near Gela, Sicily, in the Gela Museum, labeled as orichalcum. They are an alloy of copper, zinc, nickel, lead, and other metals. Photo by Emanuele iela, via Wikimedia Commons.*

Aristotle, in *De mirabilibus auscultationibus*, describes a type of copper that is “very shiny and white because some earth is combined and molten with it.” This might be a reference to orichalcum obtained by smelting copper with the addition of “cadmia,” a kind of earth formerly found on the shores of the Black Sea, which is thought to be zinc oxide.

The idea of copper-gold alloys is very intriguing. We might be able to use ancient copper mines and copper-indicating ores as a possible clue for the original source of orichalcum. We would need to look at possible sources that would have been above sea level at 11,000 to 5000 BCE. European sources of natural metallic copper are isolated in certain areas.

Auricupride is a naturally occurring gold-copper alloy. The alloy crystallizes in cubic polyhedrons and occurs as malleable grains or platy masses. It is an opaque gold with a reddish tint. It is slightly harder than pure copper.

A natural variant called Tetra-Auricupride (CuAu) exists. Silver may also be present, resulting in the variety Argentocuproauride (Cu<sub>3</sub>(Au,Ag)). It does seem like it could be a logical source for the ancient metal and could be considered a bronze.

Copper is one of the few metals that can occur in nature in a directly usable metallic form. This led to very early human use in several regions, from c. 9000 BCE. Thousands of years later, it was the first metal to be smelted from sulfide ores, c. 5000 BCE; the first metal to be cast into a shape in a mold, c. 4000 BCE; and the first metal to be purposefully alloyed with another metal, tin (creating bronze), c. 3500 BCE.

In another possibility, what if orichalcum is not a metal at all? It is mentioned with other metals like tin and brass, which leads us to believe it is a metal. It is compared to gold, but it is said to be more valuable. It was said to have a “red light” and to be used on inscribed pillars. This has left me with the impression that one source of the mysterious substance could be amber that was mined in the Atlantean territory.

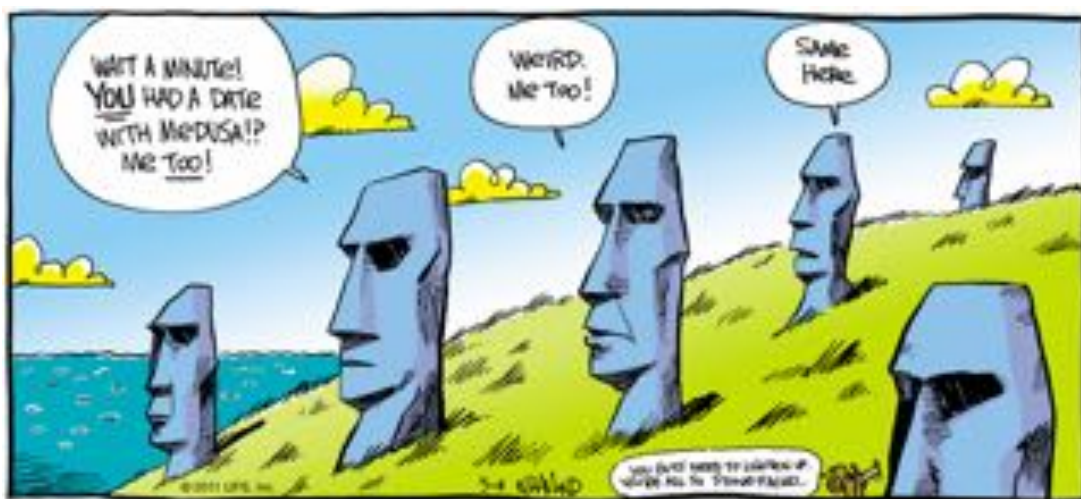
Amber could be used to line walls and makes an excellent substance to carve and “inscribe”. It has a beautiful golden light. Amber deposits are mined and come in a variety of colors from white, golden, oranges, reds, and even black, blue-grays, and browns.

Amber can be formed into flat surfaces and easily carved with stone tools, and would be easily found. It is found in large deposits throughout the Baltic area, in Lebanon, and in many coal-bearing veins. It has been used in jewelry since prehistory.

In addition to these possibilities, orichalcum needs to be something that could be worked into the walls of a city. All of us have heard that America has streets lined with gold, but it’s not taken literally. Perhaps we should not take it literally as well with Atlantis, and instead consider a more plebeian solution like red-painted walls, or even red sparkly sandstone.

Michael Hübner (Atlantis researcher and author) noted that small pieces of red plaster walls embedded with mica were found within annular city walls in south Morocco, and he concluded that this was orichalcum.

While discussing a possibly fictional metal may seem like an odd subject, Plato’s Atlantean story has sparked the imagination of many generations of people. And I would remind readers that the famous city of Troy in Homer’s tales was considered completely fictional until its discovery. So keep your minds and eyes open, and your curiosity piqued, wherever you go! If you do, the world becomes a place of discovery and revelation every day.



## Our Club's Craft Program

Our Club's craft program is headed up by Joyce Kish, Nancy Matthews, and Bryan Summer.



Wire wrapping with beading February Class lead by Nancy Riebau

## Ohio Rockhound

A useful website focusing on Ohio minerals, including collecting sites.

1. Mark J. Camp, [Roadside Geology of Ohio](#) (2006).
2. June Culp Zeitner, [Midwest Gem, Fossil, & Mineral Trails: Great Lakes States](#) (Rev. ed., June 1999 – first published in 1955).
3. June Culp Zeitner, [Midwest Gem Trails: Field Guide for the Gem Hunter, the Mineral Collector, and the Tourist](#) (3d. Rev. ed., 1964 – originally published in 1956).
4. James Martin Monaco & Jeannette Hathway Monaco, [Fee Mining & Mineral Adventures in the Eastern U.S.](#) (2d ed. 2010).
5. Kathy J. Rygle & Stephen F. Pedersen, [Northeast Treasure Hunter's Gem & Mineral Guide](#) (4th ed. 2008).

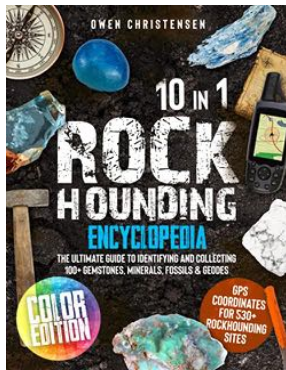
## Amazing YouTube Videos

All of the featured videos this month are by the Ohio Department of Natural Resources

1. Ohio's Scenic Geology by Ohio DNR
2. Ohio Flint by the Ohio DNR
3. Geology of Raven Rock Arch by Ohio DNR
4. Ohio State Symbols - Isotelus by Ohio DNR
5. Ohio Rocks Resources by Ohio DNR
6. Ohio Rocks Fossils by Ohio DNR
7. The Geologist Toolkit by Ohio DNR
8. Kelly's Island Glacial Grooves



## Geology Books

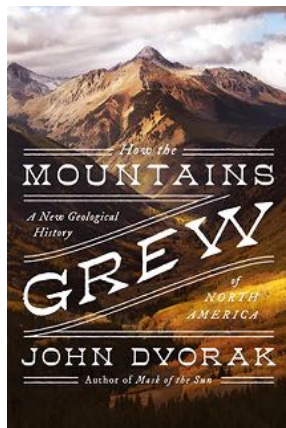


### **The Rockhounding Encyclopedia:]**

**The Ultimate Guide to Identifying and Collecting 100+ Gemstones, Minerals, Fossils & Geodes | GPS Coordinates for the Best 530+ Sites in the US.**

**Paperback – October 5, 2022**

by Owen Christensen (Author)

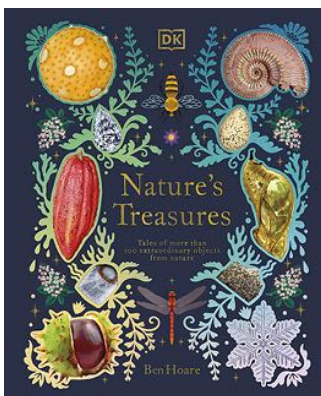


### **How the Mountains Grew:**

**A New Geological History of North America**

**Paperback July 12, 2022**

by John Dvorak (Author)

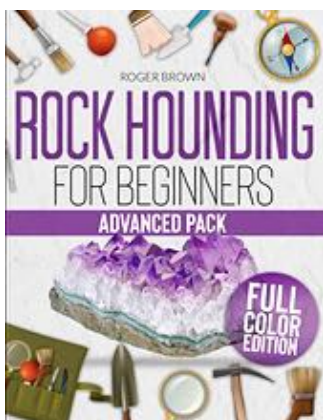


### **Nature's Treasures: Tales Of More Than 100 Extraordinary Objects From Nature**

**(DK Treasures)**

**Hardcover – November 16, 2021**

by Ben Hoare (Author)



### **ROCKHOUNDING FOR BEGINNERS:**

**All You Need To Know To Pass From Beginner To Advanced. Learn How To Find, Clean, Cut And Polish All Types Of Rocks**

**Paperback – February 10, 2023**

by Roger Brown (Author)



### Interesting Web Sites

1. Mineralogy4kids
  - a. <https://min4kids.org>
2. Minerals by Name
  - a. [http://www.galleries.com/Minerals By Name](http://www.galleries.com/Minerals%20By%20Name)
3. Ology - the science website for kids from the American Museum of Natural History
  - a. <https://www.amnh.org/explore/ology?channel=earth>
4. Fascinating Geology for Kids
  - a. <https://littlebinsforlittlehands.com/geology-for-kids/>
5. Geology for Elementary Schools
  - a. <https://study.com/academy/topic/geology-for-elementary-school.html>
6. Elementary School Science
  - a. <https://www.elementaryschoolscience.com/lesson-plan-intro-rocks-minerals>

### Upcoming Events and Rock Shows – (Ohio and close to Ohio)

Check the Midwest Federation of Mineralogical + Geological Societies for Calendar Updates

#### April

- |              |  |                                 |
|--------------|--|---------------------------------|
| <b>1-2</b>   | <b>Columbus Rock &amp; Mineral Society Annual Show</b> Rhodes Center, Ohio Expo Center,<br>717 E. 17th Ave. Columbus, OH           | Sat 10-6, Sun 11-5              |
| <b>14-16</b> | <b>American Gem, Mineral And Jewelry Shows LLC Annual show</b> , Hendricks County<br>Fairgrounds, 1900 E Main St; Danville Indiana | Fri. 10-6, Sat. 10-6, Sun. 11-4 |
| <b>22-23</b> | <b>Akron Mineral Society + Summit Lapidary Club Annual Show</b> , Emidios Expo<br>Center, 48 E Bath Rd, Cuyahoga Falls, OH         | Sat. 10-6, Sun.10-5             |
| <b>29-30</b> | <b>Miami County Gem and Mineral Society</b> , Duke Lundgard Bldg., County<br>Fairgrounds, North Co. Rd. 25-A; Troy, OH             | Sat. 10-6, Sun. 10-4            |

#### May

- |            |   |                                |
|------------|---|--------------------------------|
| <b>5-7</b> | <b>Kalamazoo Geological and Mineral Society Annual show</b> , Kalamazoo Expo Center,<br>2900 Lake Street; Kalamazoo, MI | Fri. 4-8, Sat. 10-6, Sun. 10-5 |
| <b>6-7</b> | <b>Cincinnati Mineral Society</b> , Convention Center, 11355 Chester Road, Sharonville,<br>OH.                          | Sat 10-6, Sun 10-5             |

**Sat. 13**      **Rock and Fossil Day** at Gorman Nature Center      Sat 11 - 3  
**26 - 29**      **Flint Ridge Knap-in Coshocton County Fairgrounds** 724 South 7<sup>th</sup> Street ,Coshocton,  
OH Phone: 740-501-8483      Fri 9 - 5, Sat 9 - 5, Sun 9 - 2  
**20-21**      **Parma Lapidary Club** Soccer Sportsplex, 31515 Lorain Ave., North Olmsted, OH  
Sat 10-6, Sun 10-5

**June**

**2, 3, 4**      **State Line Gem & Mineral Society**, Junior Fair Bldg., County Fairgrounds, 8514 State  
Route 108, Wauseon, OH      Fri noon-6, Sat 10-6, Sun 11-4  
**10-11**      **Mid-Ohio Mineral and Fossil Club Annual Show**, Richland County Fairgrounds,  
Mansfield, OH      Saturday 10 - 6, Sunday 11 - 5  
**23, 24, 25**      **Lawrence County Rock Club** County Fairgrounds, 11261, Highway 50 W,  
Bedford, IN      Fri 10-6:30, Sat 9-6:30, Sun 10-4  
**Sat. 24**      **Gorman Nature Center Native American Artifacts Day**,      Sat 10 - 2

**Midwest Federation of Mineralogical & Geological Convention (September)**

Sept 16 - 17 at the Livingston Gem and Mineral Society Annual Show Sat 10-6 Sun 10-4  
Hartland Educational Support Service Center 9525 E. Highland Rd. Howell, MI 48843

**American Federation of Mineralogical and Geological Societies Convention (August)**

And keep in mind that the convention of the American Federation of Mineralogical and Geological Societies is in Billings, Montana in August. There are a number of fantastic field trips planned post-convention that you don't want to miss. Spring into action this spring!

# GEM, MINERAL, JEWELRY, BEAD, & FOSSIL SHOW 2023

## Trilobites



**QUALITY DEALERS**

**DOOR PRIZES  
EVERY HOUR**

**GRAND PRIZE  
DRAWING**

**JUNE 10 - 11**

**Saturday**

**10 AM - 6 PM**

**Sunday**

**11 AM - 5 PM**

**GEODE BREAKING**

**DEMONSTRATIONS**

**SILENT AUCTIONS  
EVERY HOUR**

**KID ACTIVITY ZONE**

**Richland County Fairgrounds**

Fairhaven Hall

750 North Home Road

Mansfield, Ohio

### Admission

Adults.....\$5.00

Seniors.....\$4.00

Children 6 - 16.....\$3.00

Children 6 + Under.....Free

Scouts in Uniform.....Free

For More Information contact Tom Kottyan 419-562-1152  
SPONSERED BY THE MID-OHIO MINERAL & FOSSIL CLUB









Mid-Ohio Mineral & Fossil Club

## Mineral Hardness Inspires Poetry

### THE MOHS THE MERRIER

I think that I shall never see  
A poem lovely as a tree.  
But I'm a fan of geology,  
So Kilmer's missed the mark for me.  
Who can resist the gorgeous gems:  
Diamonds and rubies in diadems,  
Topaz and amethyst in the stores,  
Birthstones with prices my husband adores.  
On Superior's shore the labradorite's flashing;  
Lapis Lazuli's blue tone is smashing.  
Get out the black light! It's fluorite's time  
To bring out hidden colors sublime.  
Quartz's wannabe cousin calcite,  
Long lost past of Amber is in sight,  
Talc is every baby butt's delight.  
Thus, the Mohs scale is mine to recite!

Mineral	Mohs Hardness	Image
Talc	1	
Gypsum	2	
Calcite	3	
Fluorite	4	
Apatite	5	
Feldspar	6	
Quartz	7	
Topaz	8	
Corundum	9	
Diamond	10	

Marilyn Russell  
Three Rivers Gem & Mineral Society (IN)

### The Midwest Federation of Mineralogical + Geological Societies

You can check out all the Shows and Events in our Midwest Region (Ohio, Michigan, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska) at the Midwest Federation of Mineralogical + Geological Societies [Web Site \(https://www.mwfed.org\)](https://www.mwfed.org)





The U.S. Geological Survey Youth and Education in Science (YES) Team.

Revamped their web presence to better assist with online and home learning.

The new USGS learning from home portal for lesson plans and activities, grades K – 12.

[www.usgs.gov](http://www.usgs.gov)

Students of all ages can always tap into the USGS Resources for Teachers for over 140 years of USGS research in the natural sciences in the form of lesson plans and activities, maps, podcasts, online lectures, videos and animations, and much more. Browse thousands of ideas for using these resources in elementary, secondary, university, and informal education settings

## Meeting Minutes

### February

Tom welcomed members & guests to the meeting. Minutes (January minutes lost) & Treasurer's reports were read. It was noted the club has added a 4 inch trim saw and a flat lapidary grinder/sander to our tools.

Gemstone collection donated to the club will be in our next auction.

Old Business – none.

New Business –

Bryan Summer noted there will be a wire wrapping class March 5<sup>th</sup> from 2-4pm at Gorman Nature Center. Nancy Riebau will be the instructor. Cost will be \$5.00.

A new projector has been purchased for Gorman Nature Center. The cost was shared between the Archeology Club and the Mid-Ohio Mineral & Fossil Club.

Jason reminded everyone to please sign our log book. This gives us an idea of how many persons were present and our guests.

Personal Exhibits:

1. Susie B has a very nice piece of Barite.
2. Bryan S has some samples of Ohio Flint that he tumbled.
3. Jason L has a piece of pink Flourite on Smokey Quartz from France, Green Flourite from Peru and a piece of Flourite from Clay Center Ohio.
4. Kim B brought her finished Ammonite she wire wrapped.

Door Prize: Gary Proietti won a nice Sterling Silver Tiger Eye pendant.

Meeting adjourned for refreshments & our program tonight given by Joel & Debbie Likins about their recent travels..

## March

Tom welcomed members & guests to the meeting. Minutes & Treasurer's reports were read.

Shop - Walt U said shop is good to go. Call him first to be sure building is open.

Membership - Jason L advised membership is good to go.

Hospitality - Joel L noted tonight's hospitality is provided by Walt U, Pat E, & Jason L. Still need help with March, April & June. May is our annual pot luck.

Field Trips – Jeff has a tentative trip to Penn Dixie looking for Trilobites and possibly going to our claim to search for Herkimer Diamonds, and a trip to River Falls. Please let him know if interested.

Tonight is the Apache Tears Tumbling contest. Make your vote on the one you like best. These will be counted & winners announced.

April will be Jason L speaking on Flourites.

May's programs will be given by Jillian.

June's program will be about the upcoming show.

There will be 22 cases available to fill with you special minerals/fossils for display. Sign-up sheet forthcoming.

Shows: Columbus, Ohio show will be April 1<sup>st</sup> & 2<sup>nd</sup>, Ohio Expo Center-Rhodes Center, 717 E 17<sup>th</sup> St, Columbus OH. Hours are Sat. 10am – 6pm, Sun. 11am – 5pm, \$5 parking, Entrance fees Adults (16+) \$7, Seniors (60+) \$6, 2-day pass \$12, Children (6-15) \$3, Children under 6 Free. Free Entry: Scouts & 4H in Uniform, Teachers with school ID, Military with ID.

MSAW - Scott Kelp will be instructing the MSHAW class & will also be attending our June show.

Special Interests – Bryan S said the February wire wrapping class went well. Future plans may include a trip to V-Rock Shop in the Canton/Akron area. It was also mentioned there is a good mineral shop in Massillon called Fantasia. Also a potential trip to the Club's work Shop at Walt's.

Jason reminded everyone to please sign our log book. This gives us an idea of how many persons were present and our guests.

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4. Kim B brought her finished Ammonite she wire wrapped.

Tom said our show is June 10<sup>th</sup> & 11<sup>th</sup>, and, if everyone volunteered to help just 1-1/2 hours during the show, that would cover the entire weekend. Members may bring in things for the silent auction, either donated or for a minimal resale (25% goes to club).

Rob L said the Kid's Zone was a huge success & will return with the Big Wheel, etc.

Door Prize: Gary Proietti won a nice Sterling Silver Tiger Eye pendant.

Meeting adjourned for refreshments & our program tonight given by Bryan Summer on Vibratory Rock Tumbling

**Don't Forget to Check Out our Website for Club Information**  
[www.rlls.webs.com](http://www.rlls.webs.com)



## The Lithnics

If you have any club news, articles you would like share with members, updates on your committee, etc. please email info to:

Bryan Summer – [bryansummer1@gmail.com](mailto:bryansummer1@gmail.com)

The Lithnics is Published Quarterly

January 1, April 1, July 1, October 1

