



Mid-Ohio Mineral and Fossil Club

The LITHNICS

Volume 59 Issue 3

July 2021

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:



Adults	\$ 15.00
Children under 16	\$ 5.00
Family	\$ 20.00

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 .

Note: Dues for all paid members of 2020 are waived for 2021

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 club members,

There are many things I want to say but I will start with a BIG THANK YOU to all of our members that made our annual show a monster success! We achieved our goal of over 1000 people through the door, the most ever by several hundred people. It could not been done without all of you stepping up.

Our goal with the increased social media, a new drastically improved video, being able to hand out flyers at shows and more lawn signs in critical positions is to try to get 1500 people through the door next year.

I want to say without the co-chairman of Jason Larson handling the social media and the silent auction and many other things the show would not have been as successful as it was.

The club made money from the show and many of you will say what are we going to do with all that money. The answer is simple the club needs a club house building that will cost between 70-90 thousand. We are looking into multiple alternatives but no decision has been made as of yet but the members will be the first to know of any decision the board makes. Keep your fingers crossed!

I am already planning next year's show and looking forward to the June 11-12th date. It would wonderful if we could get members to give not consign to the auction more. You all have many items that are not of "your quality" that would be a great addition to the auction. We need variety in the auction. See Jason or Tom to give!

Thanks again for your help. Any club is only as strong as it's members and their willingness to give of their time.

Tom Kottyan

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, July 12 6:30 **Annual Potluck Dinner** at Gorman Nature Center. Please bring a covered dish to share and your own plates, and silverware. Meeting to follow.
- Monday, August 2 7:00 Meeting Gorman Nature Center
- Monday, September 13 7:00 Meeting Gorman Nature Center (No meeting on Labor Day)

2021 MWF Convention

50th Annual Toledo Gem & Rockhound Club
Jewelry, Gem & Mineral Show & Sale



Pratt Pavilion, Wood County Fairgrounds
13800 W Poe Rd., Bowling Green, OH 43402

September 10-12; Fri 2-8; Sat 10-6; Sun 11-5.

3 day passes \$12, or \$6 per day

Public welcome, over 33,000 sq ft of mineral vendor

Origin of the Copper of the Statue of Liberty

<https://www.wonders-of-the-world.net/Statue-of-Liberty/Copper-of-the-statue-of-Liberty.php>

The copper statue of Liberty comes from the mine Visnes, Norway. It is a village on the island of Karmoy in Rogaland County. The mine was established in 1865 following the discovery of a significant copper lode on the island. She quickly became very important, the demand for copper in the late nineteenth century is also important. It is through it that the village of Visnes has developed, resulting in a significant increase in population. It must be said that at most of its activity the mine employed 750 people alone, these minors are family people had so greatly increased, the village had established a school, a hospital, a commission, etc. During the Statue of Liberty's construction period, it exported 70% of copper ore all Norway alone. Its activity has steadily declined during the twentieth century, until 1972, the year of its closure.

Replica of the statue of Liberty

Since Visnes created a museum, the "Visnes Gruvemuseum" which displays objects related to mining activity in order to understand the lives of local miners in the nineteenth century. The museum site has a replica of the Statue of Liberty. Once the copper extracted was largely sent to France to be refined before being delivered to buyers in different forms. It is in the form of 2.3 mm thick plates Auguste Bartholdi bought to build the Statue of Liberty.



Did you know?

Visnes Mine was French! From its inception in the nineteenth century, it was directed by Charles of France, which the municipality has given the name of a city park in memory.

Sources and characteristics of the European nineteenth century copper

Copper has been mined for thousands of years in Europe, but only a handful of veins providing almost all the copper used in Europe in the nineteenth century. The English mines of Cornwall and Devon were the largest producers of copper ore World during the first half of the nineteenth century. Towards the end of the nineteenth century, they were supplanted by the mines of Montana and Arizona, North America, and the Rio Tinto mine in the province of Huelva, Spain. Copper ore was also recovered from Mansfield mines in Germany and a number of small veins of Norway. Negligible quantities of copper ore were exploited in France.

Copper discovery Visnes

In 1865, a rich copper ore was discovered Grønnevik, Visnes, on the west side of the island of Karmoy. From 1865 to 1895 the mine was excavated to a depth of 730 m below sea level, for a production of 1.8 million tons of copper ore extracted. During these years up to 70% copper Norwegian exports came from Visnes, which at that time was one of the largest mines in Northern Europe. It belonged to a French Charles of France. It gave free rein to the practical organization of extraction. Local authorities exercised little control, mining companies had their own health service with doctors, hospitals, their own school system, and the police came directly from the mining personnel.

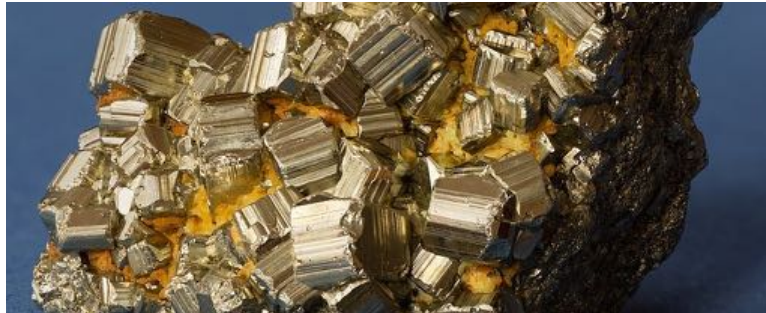
Of the 1.4 million tons excavated in 30 years (1865-1895), the mine has supplied 850,000 tons of enriched copper. Over the period 1899-1972, the year of its closure, it still exported 1.3 million tons of enriched copper. Between the time of extraction and supply of enriched copper, it does that held nine days. The mine also produced by-products, of the zinc oxide and sulfur. The smelter on site in 1872 and functioned until 1887.

The extraction technique quickly evolved. By 1875 it is the air that was used, which allowed to extract the ore twice as fast. At the beginning of the extraction, as the ground was not too hard, it was possible to advance from 12 to 17m excavation in a month (one month was 25 days of work), this with simple drills hand and mallets. Using compressed air systems, they advanced from 20 to 30m over the same period. The Copper Mine Museum has in its collections the first electric light bulb switched on at the mine, implemented in 1870.

'Fool's Gold' Actually Contains a Newly Discovered Type of Real Gold

DENIS FOUGEROUSE, THE CONVERSATION

28 JUNE 2021



The mineral pyrite was historically nicknamed fool's gold because of its deceptive resemblance to the precious metal.

The term was often used during the California gold rush in the 1840s because inexperienced prospectors would claim discoveries of gold, but in reality it would be pyrite, composed of worthless iron disulfide (FeS_2).

Ironically, pyrite crystals can contain small amounts of real gold, although it is notoriously hard to extract. Gold hiding within pyrite is sometimes referred to as "invisible gold", because it is not observable with standard microscopes, but instead requires sophisticated scientific instruments.

It wasn't until the 1980s when [researchers discovered](#) that gold in pyrite can come in different forms – either as particles of gold, or as an alloy, in which the pyrite and gold are finely mixed.

In our new research, [published in Geology](#), my colleagues and I discovered a third, previously unrecognized way that gold can lurk inside pyrite. When the pyrite crystal is forming under extreme temperature or pressure, it can develop tiny imperfections in its crystal structure that can be "decorated" with gold atoms.

What are these 'crystal defects'?

The atoms within a crystal are arranged in a characteristic pattern called an atomic lattice. But when a mineral crystal such as pyrite is growing inside a rock, this lattice pattern can develop imperfections.

Like many minerals, pyrite is tough and hard at Earth's surface, but can become more twisty and stretchy when forming deep in the Earth, which is also where gold deposits form.

When crystals stretch or twist, the bonds between neighboring atoms are broken and remade, forming billions of tiny imperfections called "dislocations", each roughly 100,000 times smaller than the width of a human hair, or 100 times smaller than a [virus](#) particle.

The chemistry of these atomic-scale imperfections is notoriously difficult to study because they are so small, so any impurities are present in absolutely minuscule quantities. Detecting them requires a specialized instrument called an [atom probe](#).

An atom probe can analyze materials at extremely high resolution, but its main advantage over other methods is that it allows us to build a 3D map showing the precise locations of impurities within a crystal — something that was never possible before.

Our research reveals that dislocations within pyrite crystals can be "decorated" with gold atoms. This is particularly common where the crystals have been twisted during their history; here, gold can be present at concentrations several times higher than in the rest of the crystal.

A potential goldmine

Why should anyone care about something so tiny? Well, it gives interesting insights into how mineral deposits form, and is also a potential boon for the gold mining industry.

Previously, it was suspected that gold in anomalously rich pyrite crystals was in fact made of gold particles formed during a multi-step process, suggesting the pyrite and gold crystallized at different times and then became clumped together.

But our discovery that gold can decorate these crystal imperfections suggests that even pyrite crystals with relatively high gold content can form in a single process.

Our discovery may also help gold miners more efficiently extract gold from pyrite, potentially reducing greenhouse emissions. To extract the gold, the mineral is usually oxidized in large reactors, which uses considerable amounts of energy.

Dislocation sites within crystals could potentially offer an enhanced partial leaching or a target for bacteria to attack and break down the crystal, releasing the gold in a process known as "bio-leaching", thus potentially reducing energy consumption necessary for extraction. This idea is still untested, but definitely merits investigation.

If it helps pave the way for more sustainable gold-mining methods, then perhaps fool's gold isn't so foolish after all.

Perhaps pyrite still lives up to its historic reputation of "fool's gold" until better, more environmentally sustainable ore processing techniques are developed.

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).

Rock Tumbling Contest

2021 Worldwide Tumbling Contest!

The rock for 2021 is Burris Creek Jasper from the northern part of the Sacramento Valley of California. Entry fee is \$35 for 3 pounds of rough rock for continental US residents. This includes shipping the material to you. Outside the USA will be \$35 plus any additional shipping.

- 3 lbs of rough rock will be shipped to you when the application and payment is received beginning in early January 2021.
- Deadline for application is June 1, 2021.
- Mail 5 (yes only 5) of your best finished rocks and a copy of the entry form postmarked no later than August 15.
- Apply early in the year to have plenty of time to tumble. Take your time tumbling!
- Cash prizes = \$250, \$100, and \$50 for first, second, and third place winners!

More information about the contest can be found at:

<https://www.featherriverrocks.org/show/rock-tumbling-contest-drop-down2>

This includes a link to the complete set of rules and application form.

Amazing YouTube Videos

1. The Statue of Liberty: Building an Icon
2. Why is the Statue of Liberty Green? Copper Chemistry
3. Epic Pebbles: A Story of Continental Collision and Volcanism
4. A Brief History of Geologic Time – PBS Eons
5. Top 5 Coolest Looking Rocks ever Found



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

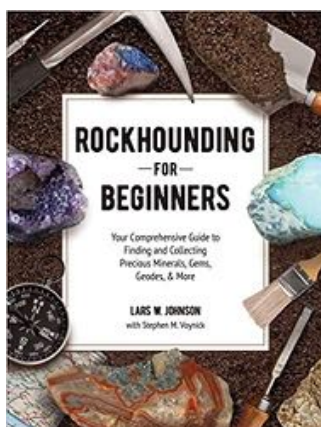
Students of all ages can always tap into the USGS Resources for Teachers for over 140 years of USGS research in the natural sciences in the form of lesson plans and activities, maps, podcasts, online lectures, videos and animations, and much more. Browse thousands of ideas for using these resources in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



Enlightening the World: The creation of the Statue of Liberty

By Yasmin Sabina Khan

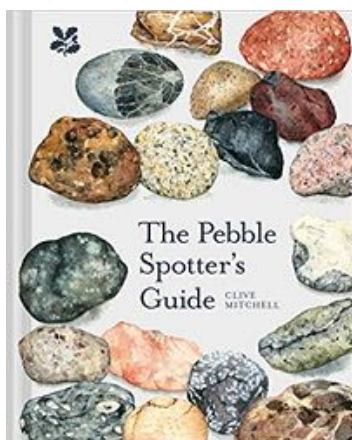
Conceived in the aftermath of the American Civil War and the grief that swept France over the assassination of Abraham Lincoln, the Statue of Liberty has been a potent symbol of the nation's highest ideals since it was unveiled in 1886. Dramatically situated on Bedloe's Island (now Liberty Island) in the harbor of New York City, the statue has served as a reminder for generations of immigrants of America's long tradition as an asylum for the poor and the persecuted. Although it is among the most famous sculptures in the world, the story of its creation is little known.



Rockhounding for Beginners: Your comprehensive Guide to finding and collecting precious minerals, Gems, Geodes, and More

By Stephen M. Voynick

Rockhounding for Beginners shows you how to take your rockhounding to the next level, providing everything you need to know from tips for finding local sources for really cool finds to techniques for safely cleaning, cutting, polishing, and caring for the best samples. Complete with full-color photos to help you identify each rock and mineral wherever you find them, this guide has all the rockhounding information you need whether you're ready to get down and dirty or simply want to learn more from the comfort of your couch.



The Pebble Spotter's Guide

By Clive J. Michell

Hidden in plain sight along every shoreline, these amazing consequences of wind, sea, and time all tell stories of our landscapes. In this spirited guide to pebbles, richly illustrated throughout, passionate geologist and pebble spotter Clive J. Mitchell gives practical advice on how to identify 40 pebbles and where to find them, making a trip to the beach or riverbank all the more interesting. The pebbles he introduces range from the humble flint to feldspar veins, serpentine, granite ovoids, and the holy grail of pebble hunting, the rare rhomb porphyry. The book includes a space for the reader to ruminate on their own findings, taking note of the treasures that they pick up along the way. This is the perfect introduction to everything there is to know about the mindful pleasure of pebble spotting--and there is much treasure to find.

Geology Poem

The Statue of Liberty (Officially the "Liberty Enlightening the World", by Frederic Auguste Bartoldi) has a copper shell with an average thickness of 2.3 mm. The statue is about 50 meters high, the weight of copper is about 80 tons. It is likely that there have very few projects that needed as much copper as in the period of its construction from 1876 to 1884.



Geology Quotes

1. My only wish would be to have 10 more lives to live on this planet. If that were possible, I'd spend one lifetime each in embryology, genetics, physics, astronomy and geology. The other lifetimes would be as a pianist, backwoodsman, tennis player, or writer for the 'National Geographic.' By Joseph Murray
2. Caves are whimsical things, and geology on a local scale is random and unpredictable by William Stone
3. I suggest that the best geologist is he who has seen most rocks. By Herbert Harold Read
4. It was during my enchanted days of travel that the idea came to me, which, through the years, has come into my thoughts again and again and always happily—the idea that geology is the music of the earth by Hans Cloos
5. Geology gave us the immensity of time and taught us how little of it our own species has occupied by Stephen Jay Gould



Interesting Web Sites

1. Geology.com
 - a. <http://www.geology.com/>
2. Live Science - 10 Geological Discoveries that absolutely rocked 2020
 - a. <https://www.livescience.com/>
3. Dynamic Earth – Geological Timeline Dynamic Earth
 - a. <https://www.dynamicearth.co.uk>
4. Forbes – 13 Geological Wonders of the Natural World
 - a. <https://www.forbes.com>
5. Geology In – 18 Geological Facts that Might Surprise You.
 - a. <https://www.geologyin.com/>
6. National Park Traveler – Ten Top Geological Parks in the National Park System
 - a. <https://www.nationalparkstraveler.org/>

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

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

All show dates may be affected by the Corona Virus

July

24-25 ERIE, PA Gem City Rock and Mineral Society Sat. 10-6, Sun 10-5 ZEM Shriners Banquet + Conference Center 2525 West 38th Street Erie, PA

August

7: ISHPEMING, MI Ishpeming Rock & Mineral Club Annual Show 9:30-4:30. Ishpeming Elk's Club, 597 Lakeshore Dr., Ishpeming. Contact: Kirsten Maki, (906) 204-2623; kmaki75@gmail.com

13-15: HOUGHTON, MI Copper Country Rock & Mineral Club Rock Swap. Fri 1-8; Sat 10-6; Sun 11-3. Houghton Middle School, 1603 Gundlach Rd., Houghton. Contact: Rob Grabarczyk; pres@ccrnc.info

14: CLIO, MI Flint Rockland Gem Club Rock Swap. 9-4 Flint Rock & Gem Club, 11350 N Saginaw Rd., Clio. Contact: Bill Wendling, (810) 638-5796; bwrockbarn@centurytel.net

September

10-12 Toledo, OH, 50th Annual Toledo Gem + Mineral Show + Midwest Federation Convention, Fri 2 – 8, Sat 10 – 6, Sun 11-5, Wood County Fairgrounds 13800 W Poe Road, Bowling Green, OH

10-12: GREENFIELD, IN 500 Earth Sciences Club of Indianapolis Annual Show. Fri 10-6; Sat 10-6; Sun 10-4. Hancock County Fairgrounds, 620 N Apple Street, Greenfield Contact: Tom Odom, (765) 325-2690, tomodom650@gmail.com

17-19: HOLLAND, MI Tulip City Gem & Mineral Club Annual Show. Fri 10-8; Sat 10-7; Sun 11-5. Soccer Stop Sportsplex, 5 River Hills Dr., Holland. Contact: Sue Goedert, (616) 337-1162; sonbeams2000@yahoo.com

18-19: HOWELL, MI Livingston Gem & Mineral Society Annual Show. Sat 10-6; Sun 10-4. Hartland Education Support, 9525 E. Highland Rd., Howell. Contact: Edward Oler, (810) 241-8801

25-26: NASHVILLE, IN Brown County Rock & Mineral Club Annual Show. Sat 10-6; Sun 10-4. Brown County History Center, 90 E. Gould St, Nashville. Contact: Rhonda Dunn, (812) 320-6237; bcrmc2010@gmail.com



[The Midwest Federation of Mineralogical + Geological Societies](http://www.amfed.org)

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 (www.amfed.org)

The Midwest
Federation of
Mineralogical
+ Geological
Societies



Meeting Minutes

April 2021

Tom welcomed members & guests to the first formal meeting of the Mid-Ohio Mineral & Fossil Club since last March 2020. We met in the pavilion outside Gorman Nature Center due to continuing Covid-19 issues.

No previous committee reports were given as the focus was on the upcoming June 2021 show.

Tom K advised that our show is tentatively still happening at this point, however, the State has a new edict stipulating no more than 25% capacity in per building/indoor venue for the next 90 days. Depending on what the capacity of Fairhaven hall is will determine whether it is feasible to proceed with the June Show. In the meantime, we will be continuing as usual, in these unusual times, preparing for the show. Sign-up sheets are there for members to help with set-up/clean-up, ticket sales geode cracking, night security, demonstrators, etc. Please volunteer in any capacity as you can fill.

Show theme is potentially the same as it was to be for 2020: "Diamonds & Gemstones".

Tom is checking on day security & found the cost would be about \$600 for both days (approx. 15 hours which amounts to \$40/hour) to provide a Sheriff/Deputy Sheriff.

Jason L will be monitoring the silent auction, but, due to social distancing concerns the area will be larger for more spacing. Masks are to be worn by volunteers, vendors & attendees. We will have masks available for those that may have forgotten them.

There will **NOT** be a kid-zone this year nor will the sand box be available. In lieu of this, Tom is asking for permission to assemble approx. 200 grab bags containing 12 minerals & fossils, each correctly labeled, for kids 16 and under to be given upon leaving the show. Those attendees that may be returning to the show will be hand stamped for re-entry. Tom is asking for funds from the education fund be used to purchase the needed minerals & fossils at a cost of approx. \$500.00, 2nd by Jim Baumgartner. Motion carried by members present, opposed: 0.

Jim B has volunteered bags for minerals/fossils; Bryan S can design the sticker for the bags; James can print the stickers for the bags.

Rather than having our gentleman doing mineral ID, Tom K volunteered to do this at no cost saving us approx. \$200.

Door Prize: Jim Baumgartner won a box with several Azurite minerals on granite from K-2.

Meeting was adjourned.

PS: Bryan S donated 4 door prizes for March 2020 won by: Jason Larson, Mike Holland, Ray Darnell, and Will Hallman.

May 2021

Tom welcomed members & guests to the May meeting of the Mid-Ohio Mineral & Fossil Club. Due to Covid-19, we are continuing to meet in the pavilion outside Gorman Nature Center.

Treasurer's report for the previous month was read by Pam Kottyan. Pat Everly read April 2021 minutes. No other reports were given at this time.

Tom K advised that our show on for June 12th/13th 2021. Things are going well for the show. We currently have 14 vendors scheduled and a few remaining volunteer slots to fill. We will have a Sheriff/Deputy Sheriff for the show – more to monitor Covid regulations as far as appropriate mask sharing. At a recent show attended by Tom & Pam, folks were shoulder to shoulder and customers were vigorously buying. Tom passed around a sample of the selected minerals & fossils to be placed in the kids grab bag. Also, Bryan has the labels for the bags ready in a bright neon green. Tom also advised the 25% capacity does NOT apply to the fairgrounds, only to venues with selective seating. Volunteers will be requested to assist putting the grab bags together at Tom & Pam's home next weekend – not this weekend. Tom also has the bid slips for the silent auction with a limit of 20 items per person reminding folks the club does get 25% of the sale items put into the silent auction. Show theme for 2021 will remain: "Diamonds & Gemstones".

Stan Esbenshade is requesting the use of a 14" or 16" slab saw for use during the show.

Question as to whether the outside Flint knappers were required to wear a mask. Tom will find out & let folks know next meeting.

Jason L will be monitoring the silent auction, but, due to social distancing concerns the area will be larger for more spacing. Masks are to be worn by volunteers, vendors & attendees. We will have masks available for those that may have forgotten them.

Note: Grab bags will be given to child under 16 as they LEAVE the show. If they will be returning, a hand stamp will be done & once the child officially leaves, then the grab bag will be given.

Personal Exhibits:

Susie Boyer had her very first mineral she found when she went to Flint Ridge with Gay & Kay Abrams approx. 50 years ago, triggering her love for minerals and fossils. She lovingly wrapped the mineral in silver.

Jason Larson had an Iranian fluorite he purchased online.

Door Prize: Won by Lawrence Hull -

Meeting was adjourned. Members were welcome to view/shop what other members brought to swap/sell.

June 2021

Tom welcomed members & guests to the June meeting of the Mid-Ohio Mineral & Fossil Club noting this is our first meeting inside since Covid-19 hit.

Pat Everly read May after re-reading April 2021 minutes. Treasurer's report for the previous month was read by Pam Kottyan.

Bryan Sumer stated a new saw blade may be needed for the club saw for our upcoming show. Walt Upchurch & Bryan will be assessing the quality of current blade. Tom advised checking with Stan Esbenshade first as he has numerous contacts for supplying a new blade at a reasonable cost.

Hospitality reports were given by Jason Larson noting members need to check with Joel & Debbie Likins, whom will be handling hospitality, to sign up for future months.

Tom stated signs for your yard are right outside the door indicating the show this weekend. Grand prizes this year will be a choice of a Herkimer Diamond from the Medici's, or, a ***Sterling Silver necklace consisting of three interconnected Amethyst stalactites sliced and polished from Uruguay.***

Bryan Summer noted we are showing up online under our new: Mid-Ohio Mineral & Fossil Club.

Questions regarding the hourly door prize drawing were brought up. Debbie Likins will be overseeing this process and stated tickets will be discarded after each hourly drawing to allow for new tickets for the next hourly drawing.

Thursday set-up will be 4:15 Thursday, July 10th. Please check to see when & what job members are working during the show. Also, old newspapers will be needed for the geode breaking. Members will be wearing our old RLLS badges with the Dealers wearing the new Mid-Ohio Mineral & Fossil Club logo. If setting up your display Friday, there will be food & water available.

Next month's July meeting will be the annual potluck & will be held **JULY 12th - 6:30 pm** due to the July 4th Holiday. Please note change in date and time for July only.

Personal Exhibits:

Pam Kottyan found a Cephalopod at Clay Center. Tom noted this is an exceedingly rare find from the Silurian Period.

Linda Welch also said she places her card about the show in her car window and seems to generate a lot of interest.

Door Prize: Doug Shorter won a fossil prep kit.

Jackie wanted to thank Jason on the YouTube video about our show.

Meeting was adjourned. Members were welcome to enjoy refreshments and items members have brought for viewing.

Don't Forget to Check Out our Website for Club Information
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

The Lithnics is Published Quarterly

January 1, April 1, July 1, October 1

