



# Eastern Indiana Gem & Geological Society

# ROCK PICKINGS

July 2017

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### Memberships:

Annual dues  
\$15 Individuals  
\$20 Families

### Please send dues to:

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PO Box 1724  
Richmond, IN 47375

**3** Next meeting: Thursday, August 3, 6:30 p.m.

Board meeting 5 p.m.

## PRESIDENT'S MESSAGE

Hello Rock Hounds.

### Birthday Bash!

Let's celebrate at the Aug. 3 meeting! Long time member Bob Vetter will have a special birthday later this month and we want to help him celebrate! Cake and ice cream for everyone!

Bob doesn't want gifts, but bring a small wrapped rock, slab, fossil or cab to share and that way we will have a small "party gift" for all attendees. Gifts for all kids have been provided by generous donations!

*If you want to help with this, contact Lisa at [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com)*

From the pictures it looks like the summer cookout was a great time. I'm sorry I was not there to enjoy it with all of you.

As we get deep into the summer typically there isn't as much to communicate to all of you. We have some ongoing construction projects that should be all done by early fall. What to do about the condition of the meeting room floor still has to be determined by the board. Once a direction has been decided we will inform all the members.

The Troy Club has put together a trip to the Ishpeming, MI rock & gem show on Aug. 5. If you are interested, contact Mike Manning at 937-552-4705.

Don't forget about the Centerville Craft Fair the fourth Saturday of each month. For more details contact Danny Spurgeon.

Enjoy the heat of the summer everyone!



Mark

**Editor's Note:** I really enjoy putting together the newsletter, but folks, I need some help. Copyright laws prohibit copying from internet sources without permission, so the newsletter needs original content each month. Midwest Federation guidelines strongly recommend member articles and input. It would be great if you would share your interests and expertise by submitting articles you've written about rocks, trips, show recommendations, rock club memories, how you started collecting, etc. Contact me for other suggestions! Thanks!

## ▶ INSIDE THIS ISSUE

### PAGE 3

Birthday party, Aug. 3



Bring a wrapped rock as a party favor.

### PAGE 11

Meteor showers



Multiple meteor showers on the way

### PAGE 12

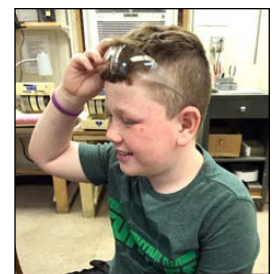
Family activities



Check out this Facebook group

### PAGES 4 & 6

New members



Henry Teagardin, new member

## Members & families attending

Members and families attending: John LaMont, John Morse, Mary Ann Morse, Erna Jacob, Angela Shaffer, Hailee Shaffer, Lisa Morris, Dave Straw, Linda Straw, Deb Chagares, Jim Chagares, Alma Glisson, Deanna Smith, Jeanette Lunsford, Judith Echano Medina, Libby Adams, Mike Ragen, Malessia Bowling, Barbara Kuhlman, Susan Kuhlman, Judy Burton, Ann Richardson, Scott Gibson, Harris Precht, Danny Spurgeon, Joe Wirrig, Nikki Merrill, Tim Merrill, Julianna Barnes, Bill Barnes, Audri Barnes, Kathy Sheehy, Ron Sheehy

New Members: Joe Mueller, Debbie Mueller

Guests: Cicely McDaniel, Jullian McDaniel, John Dickenson

Following the annual July pitch-in, a short meeting was called to order by Vice-President, John LaMont.

## New members & guests

New members and guests (listed above) were introduced.

## Treasurer's report

Dave Straw gave a brief treasurer's report. \$1,043 was spent, including the \$500 scholarship. Income was \$181.

## Mowing

There is a new person mowing the lawn now. He only charges \$35 and also runs the weed trimmer. We will continue to use this person until we have a working mowing machine. John LaMont will take the old mower to a dealer he knows in Brookville to have it checked out.

## Raffle item for 2019

Scott Gibson has obtained a beautiful quartz crystal for our 2019 raffle price. It was on display.

## Board meeting

John LaMont requested that we have a board meeting soon.

## Centerville craft fairs

Danny Spurgeon reminded the group of the opportunity to sell craft items at the Centerville Community Festival on the 4th Saturday in July. Details in the June newsletter.

## Shop and training

Dave Straw requested that folks using the shop be sure that children using the equipment have been properly trained.

Meeting adjourned.

## COMING IN AUGUST

### Members mine for emeralds



■ In the August issue look for an article from Scott and Emily Gibson and Tim and Nikki Merrill. They recently traveled to Franklin, North Carolina, for the gem and mineral show. While they were there, they also took time to mine for emeralds and garnets.

### Members try lost wax casting



■ Look for an article in August from Susan Kuhlman and Joe Wirrig discussing the art of casting jewelry. Recently Joe ran through the steps with club members Susan Kuhlman, Mona Jones, Jan Roestamadji, Judy Burton and Lisa Morris.



## EIGGS BIRTHDAY PARTY: AUG. 3, 6:30 PM

Let's celebrate at the August meeting! A little bird told us that club member Bob Vetter will be celebrating a big birthday this month, so come on over to the clubhouse and wish him well on August 3 at 6:30 p.m. (We may have other birthdays to celebrate that night, too -- come over and see!)

There will be cake and ice cream for everyone -- and gifts, too, if you want to play along.

Bob doesn't want gifts, but we thought it would be a fun chance celebrate with everyone.

If you want to take part, here's what you need to do: bring an inexpensive gift-wrapped slab, cab, fossil, rock, gem or mineral item. We'll toss them in a basket and each adult at the club will get a free wrapped gift.

Children's gifts have been provided by four generous vendors, so each junior club member will get a small rock or mineral gift, too.

This is about fun and fellowship -- please make the August meeting a priority.



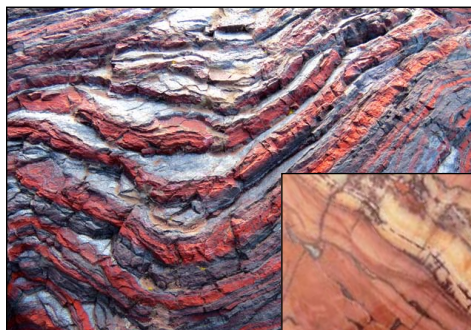
■ Longtime club member Bob Vetter will celebrate a birthday in late August. Come celebrate with him at the next club meeting, August 3, at 6 p.m. Above Bob shows off a mineral specimen he collected. In the past, Bob was an avid collector of minerals and a frequent participant in club collecting field trips.

## ISHPEMING, MI COLLECTING TRIP PLANNED

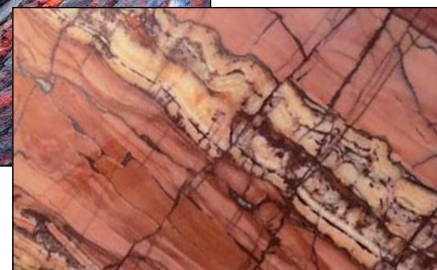
Members of the Miami County Rock & Gem Club (Troy club) going on a field trip to the Ishpeming Show in Michigan to collect Kona dolomite, hematite & jasper.

Contact Mike Manning if you are interested. 937-552-4705

**Aug. 5—ISHPEMING, MI:** Ishpeming Rock & Mineral Club, Ishpeming Elks Club; 597 Lake Shore Dr. Saturday 9:30-4:30. Free admission. There will be a kids' area, silent auction, hourly prizes, raffle, demonstrations. For show information, contact Ernest Johnson, 1962 W. Fair, Marquette, MI 49855, (906)-228-9422; e-mail: [ejohnson@nmu.edu](mailto:ejohnson@nmu.edu); Web site: [www.ishpemingrocks.org](http://www.ishpemingrocks.org)



■ Jaspelite, or "banded iron," is a combination of jasper and hematite. It can be collected at Jasper Knob in Ishpeming, Michigan.



■ Pink patterned Kona dolomite can also be found in the Ishpeming, Michigan, area.

# ART ON THE LAWN: YELLOW SPRINGS

Silversmith and club member Joe Wirrig has been chosen to take part in this year's "Art on the Lawn" fine art and craft show in Yellow Springs, Ohio. The one-day event will be held on Saturday, August 12, from 10 a.m. till 5 p.m.

Approximately 100 artists -- jewelers, painters, ceramists, photographers, fabric artists, woodworkers, metalworkers, calligraphers and more -- were chosen to participate in this juried show sponsored Village Artisans.



Yellow Springs is only about an hour away from Richmond. Once you've visited with Joe and finished exploring the art fair, you can check out a variety of eclectic shops, great dining, a restored movie house, and the Glen Helen nature preserve and raptor recovery center -- not to mention cooling off at the end of the day with locally produced ice cream at Young's Dairy.

## Information

### Art on the Lawn

**Where:** 200 S. Walnut St.

Yellow Springs, OH 45387

**Hours:** Saturday, Aug. 12,

10 a.m.-5 p.m.

**Cost:** free admission

**Website:** [villageartisans.blogspot.com](http://villageartisans.blogspot.com)

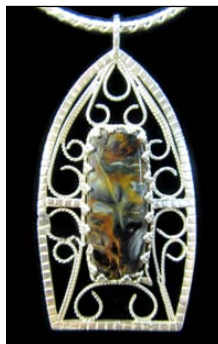
[blogspot.com](http://villageartisans.blogspot.com)



Lavender Jade & Chrysoprase



Dendritic Chrysoprase & Silver



Pietersite & Silver Filigree



Copper, Silver & Turquoise



Rainbow Calisica & Silver Filigree



Silver



## WELCOME NEW MEMBER MELANIE BERTSCH

### Melanie Bertsch

**Location:** Hagerstown

**Occupation:** Wine consultant, and other

### How did your interest in rocks, gems or minerals develop?

There is no specific thing I can point to. I started picking up interesting or pretty rocks at a young age. In elementary, we went to the rock & gem show at the Kuhlman Center and I was hooked for good. I connected again with the club at the rock & gem show in March.

### What do you hope to learn?

Better identification skills, basic lapidary skills, possibly flint-knapping.

### What areas interest you most?

Self-collection, identification, and admiring nature's gorgeous patterns.

### What have you learned so far?

Where the club is, names of a few people, how to use the trim saw, how to create cabochons from start to finish.

### What are a few of your other hobbies or interests?



■ Helping clean the refrigerator shelves, Melanie Bertsch works at the June club clean-up day. Melanie joined the club this spring after the March gem and mineral show.

Gardening, reading, wine tasting, writing, crocheting, gaming, cards, euchre, playing musical instruments and singing.

**Anything else you want to share?** Nothing I can think of.



# ANNUAL PICNIC HELD JULY 3

*38 members & friends gather for summer pitch-in party*



1



2



3



4



5



6



7



8

- 1 Audri Barnes & Hailee Shaffer
- 2 Ann Richardson & Harris Precht
- 3 Libby Adams & Judith Echano Medina
- 4 Joe Wirrig

38 club members, family members and guests, including Audri Barnes, Joe Wirrig and Nikki Merrill, gathered at the club house to enjoy the annual summer pitch-in picnic on July 6. Special thanks to the people who arrived early to clean up and set up and to "grill master" John LaMont!

- 5 Angie Shaffer
- 6 Deanna Smith & Alma Glisson
- 7 Danny Spurgeon & John LaMont
- 8 Jim Chagares, Dave Straw & Linda Straw



# NEW MEMBERS -- TEAGARDIN FAMILY

Be sure to give a warm welcome to our newest EIGGS members, Caleb, Jessica, Henry & Craig



Caleb

Jessica

Henry

Craig

## ← Craig Teagardin

**Location:** Whiteland, IN

**Occupation:** surgical support tech

**How did your interest in rock, gems or minerals develop?** My kids

**What do you hope to learn?** How to chose one rock over another rock.

**What areas are you most interested in?** Sawing

**What have you learned ?** What a slab is, then a cab then a polished rock.

**What are a few of your other hobbies or interests?**

Football, football, football.

We have cats, fish, kids.

I want to travel to somewhere warm.

Bucket list: find someone who won't drive me crazy.

## ← Henry Teagardin

**Grade:** 4th

**Why do you like rocks, gems, minerals or fossils?** They're interesting.

**What are your favorite rocks/fossils to collect?** Jasper.

**What's one of your favorite rocks?** a fluorescent geode with crystals in it.

**What do you hope to learn from being a club member?** More about rocks.

**What have you learned so far?** How to grind rocks.

**Hobbies?** Football baseball and basketball

**Anything else?**

I want to travel to NYC .I want to be a statistician. I like playing sports. I want to live in NYC because it seems really interesting.

## ↑ Caleb Teagardin

**Grade:** 5th

**Why do you like rocks, gems, minerals or fossils?**

They are fun to look at and work with them.

**What are your favorite rocks/fossils to collect and look at?**

I like to collect jaspers because I like to see all the different colors.

**What's your favorite rock in your rock collection?**

My rose quartz because I like to see the world in pink. --You can see through it, and it's pink.

**What do you hope to learn from being a club member?**

How to polish rocks.

**What areas are you most interested in?** Polishing rocks.

**hat have you learned so far?** How to grind rocks to begin to shape cabs.

**hat are a few of your other hobbies or interests?**

Soccer, swimming, eating dark chocolate anything, sleeping!

**Anything else you want to share?**

I have a dog, three cats, fish and a smelly brother named Henry. I am going to Florida, South Carolina, Hawaii and Whiteland Elementary School!

I want to be the first person to make a teleportation machine and a flying car.

## ← Jessica Moody

**Occupation:** Assistant Business Manager

**Location:** work in Indianapolis / live in Whiteland, IN

**How did your interest in rock, gems or minerals develop?**

My good friend Lisa Morris drug us to a rock show. We've been hooked ever since.

**hat do you hope to learn from being a club member?**

To know the difference between cool rocks and really cool rocks! What they are and what makes them so different, and why they glow!

**What areas are you most interested in?**

Florescent minerals

**What have you learned so far?** I'm about to have a cool "cab" collection.

**What are a few of your other hobbies or interests?**

Photography, wine, and cats!

**Other? (pets? family? travels? bucket list items?)**

Pets: Three cats and three boys (the boys count as pets right?!?)

I need to travel anywhere but work!



# INTERESTED IN ROCK FIELD TRIPS?

*Consider joining Friends of Mineralogy to explore various quarries and collecting sites*

by Dave Straw

The Friends of Mineralogy (FoM) is a national non-profit organization founded in 1970, currently with eight chapters throughout the country. Its objective is to promote, support, and expand the collecting of mineral specimens and related activities.

The national organization publishes several newsletters per year, and organizes symposia at various locations. Much more concerning the national organization may be found on their website [www.friendsofmineralogy.org](http://www.friendsofmineralogy.org). The Midwest chapter of the FoM was originally formed as the Indiana chapter, as at the time, most of the members were from Indiana and field trips took place in Indiana.

At some point, the membership included so many people from other states that the name was changed to the Midwest Chapter. Their primary activity is taking field trips to quarries to collect specimens. Most

of the trips are to sites in Indiana and Ohio, with a few to other states. Lately, more and more members are from Ohio, so more collecting is done there than in other states.

The chapter conducts an annual symposium, usually held at Miami of Ohio in Oxford, OH. They also publish a newsletter.

In order to participate in field trips, members must complete safety training each year promoted by MSHA, the Mine Safety and Health Administration. This training is held at a number of locations.

Dues for the Midwest Chapter are \$20 per year. See their website <http://www.fommidwest.org/> for more information.



## CENTERVILLE CRAFT FAIR OPPORTUNITY

by Danny Spurgeon

During the June club meeting I mentioned that Centerville, IN, has monthly community festivals including antiques, farmers & flea market & hand-crafted goods followed by free concert in Maplewood Park.

They will be held on the 4th Saturday of each month from June through September. For those club members who are interested in a place to display and sell their hand-crafted items, space is available on the west side of North Morton Ave. in a fenced in lot directly across from the Centerville Park.

It costs \$10 to rent 10'x10' space for the day. The start time for the festival is 12 p.m. Set up is before that.

Information is available from Mindy Turner at American House Antiques. Phone 765-914-4228



## VOLUNTEERS NEEDED

Don't forget that John & Mary Ann Morse could use some help breaking up flint for tumbling for the grab bags and silent auction. Contact John or Mary Ann if you would like to help. 765-914-2672 [jfmamorse@gmail.com](mailto:jfmamorse@gmail.com)



- Mary Ann Morse
- Angie Shaffer
- John Morse & John LaMont



# REVIVING THE JUNIOR ROCKHOUNDS

It is never too early for a New Year's resolution, and to that end, it seems like a great time to revive the EIGGS Junior Rockhound program.

In the past six months, we have added five new children to our rosters, and have several more interested. By my count, we have 13 children on our rolls who are under the age of 14, and that isn't counting grandchildren who could become involved, too.

We also have great parents and grandparents on our rolls who enjoy working with students, as well as eight current or retired teachers.

It would be great to plan more activities for the children in our club and to continue reaching out to the community. We've been fortunate to be able to work with the Wayne County 4-H program for the past two years and with several elementary schools.

I'd like to see future involvement with the Richmond Farmer's Market and Parks Department, the Boys & Girls Clubs, the Cope Environmental Center, Hayes Arboretum, the Boy Scouts, Girl Scouts and Girls, Inc.

If anyone has suggestions for children's events, please e-mail [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com).



Audri Barnes & Hailee Shaffer



Reagan & Patrick Pierce



Caleb & Craig Teagardin



Faithe, Dakota, Mikala, Brianna & Naomi Jones



## NEWSLETTER ITEMS NEEDED FROM ALL

Perhaps you have never thought about it, but our newsletter must follow the same copyright rules as any other professional publication and is subject to legal action should we fail to follow copyright regulations.

We can't just randomly copy and paste stories or photos from the internet and call it a newsletter. We must obtain permission to run any content we find online. Sometimes that is really easy: travel sites, museums, and university sites are usually very willing to share.

Other times, it isn't so easy to obtain content. For example, a few weeks ago I found a great *Discover* magazine article I wanted to reprint in our newsletter. They sent me to their reprints department, and I obtained and filled out their required forms explaining that we were a small non-profit with a newsletter circulation of about 80 people. Two weeks later they told me it would cost \$275 to reprint their article. (see below). Sorry, folks, but you won't be seeing that article here!

This is why it is so important for members to submit their own original articles.

Think about trips you have been on and write up an article telling other members about it. Recommend a rock show you have been to and tell others what makes it special. Research your favorite gems or minerals and write it up. Check out a museum or a collection and write an article about it.

If I have sent you the list of "Jeweler's Bench" questions, consider filling them out and sending them back in (*There are five of you out there... You know who you are!* If you need me to send them again, let me know.)

If you want a writing assignment for your kids or grandkids, have them research their favorite stone or fossil and write up a short article about it. I would LOVE to start a kids page in the newsletter.

If you have a skill -- micro-mounting, faceting, flint-knapping, collecting, PMC, dichroic glass, etc., consider writing about it.

Let me know what you want to write and I will save newsletter space for you. To submit articles, please e-mail Lisa Morris at [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com)

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# TOTAL ECLIPSE POSTAGE STAMPS

Total Eclipse of the Sun Forever Stamps  
49¢ | Sheet of 16 [click here for details](#)

On August 21, 2017, tens of millions of people in the United States will have an opportunity to view a total eclipse of the Sun. A total solar eclipse was last seen on the U.S. mainland in 1979, but only in the Northwest. The eclipse this summer will sweep a narrow path across the entire country—the first time this has happened since 1918. The U.S. Postal Service® anticipates this rare event with a stamp celebrating the majesty of solar eclipses.

The Total Eclipse of the Sun stamp is the first U.S. stamp to use thermochromic ink, which reacts to the heat of your touch. Placing your finger over the black disc on the stamp causes the ink to change from black to clear to reveal an underlying image of the moon. The image reverts back to the black disc once it cools. The back of the stamp

pane shows a map of the eclipse path.

The stamp uses a photograph taken by astrophysicist Fred Espenak of a total solar eclipse that was seen over Jalu, Libya, on March 29, 2006. Mr. Espenak also took the photograph of the full moon that is revealed by pressing upon the stamp image. The reverse side of the stamp pane shows the path across the United States of the forthcoming August 21, 2017, total solar eclipse and gives the times that it will appear in some locations.

A total eclipse of the Sun occurs when the Moon completely blocks the visible solar disk from view, casting a shadow on Earth. The 70-mile-wide shadow path of the eclipse, known as the “path of totality,” will traverse the country diagonally, appearing first in Oregon (mid-morning local time) and exiting some 90 minutes later off the coast of South Carolina (mid-afternoon local time).



## Crystals help volcanoes cope with pressure

University of Alaska Fairbanks researchers have discovered that volcanoes have a unique way of dealing with pressure -- through crystals.

According to a new study published in the *Journal of Geology*, a network of microscopic crystals can lessen the internal pressure of rising magma and reduce the explosiveness of eruptions. Crystals can form in the rising molten rock in as little as 18 minutes. If the magma becomes more than 20% crystals, they can act like guard rails that funnel gas to possible cracks within the volcano or to the opening at the Earth's surface.

Read more at <http://www.geologyin.com/2017/07/crystals-help-volcanoes-cope-with.html>



## Oldest fossilized mushrooms found

Sam Heads and his team had just received a donation of fossil insects at the Prairie Research Institute, University of Illinois at Urbana-Champaign. But when they started going through it, Heads realized that one of the fossils wasn't a bug at all. "It looks like a mushroom," he said. He showed it to a colleague. "It looks like a mushroom," the colleague said. They brought it to their mushroom expert (a mycologist), Andrew Miller. "That's a mushroom," he said.

Read more at <http://www.geologyin.com/2017/06/worlds-oldest-fossilized-mushroom.html>



## World's 10 most deadly minerals

Precious minerals make the modern world go 'round—they're used in everything from circuit boards to tableware. They're also some of the most toxic materials known to science, and excavating them has proved so dangerous over the years, some have been phased out of industrial production altogether. These rocks do not need to be thrown to hurt you!

Read more at <http://www.geologyin.com/2015/01/killer-minerals-worlds-10-most-deadly.html>

## ♥ HEARTFELT GIFTS



■ Club member Nikki Merrill (lower right) recently completed her first pendant and earring set. She cut and shaped the petrified wood cabochons and then wire-wrapped the three stones. She created them as a special gift for her step-mom Kay Poindexter (lower left). Nikki reports her step-mom loved them. Nikki wants to thank Deb Chagares for her help with this project.



## ? ROCK IDENTIFICATION

Deb Chagares picked up this interesting stone in a rock sale. She has us all stumped as to what it might be. If you have any ideas, let her know! It seems to be a breccia cemented with cryptocrystalline quartz.

## ♥ JR ROCKHOUND DONATIONS

Owners of four online rock shops have recently donated rough material to use in educational programs for our junior rockhound members. Three of the businesses have also donated to our

silent auction in the past. Thanks to Ken & Terry Diede of [DD Rocks](#); Natalie & Craig Watson of [Natalie's Rock Craft](#); Jeff & Sherry Foster of [SS Jewelry Designs](#); and Susan Hamby of [Suzy Bones Rocks](#). Click on their shop names to visit their online stores.

## 😊 NEW WRIST RESTS DONATED



■ A big THANKS to club members Mona & Estel Jones who donated wrist-rests for all the capping machines! The wrist-rests are comfortable, water resistant, and helpful for club members with carpal tunnel issues. (As an added bonus, they also seem to keep the "spitters" from scooting around as much!)

## DD Rocks 15% DISCOUNT COUPON

In addition to recently donating about 20 pounds of rocks for our junior rock-hounds, Ken & Terry Diede of [DDRockshop.com](#) are offering a 15% discount to the first 20 club members who order from their online shop. Use the discount code **EIGGS** when checking out.



# ★ LOOKING TO THE STARS

Upcoming meteor showers fill the night skies now through October

Head out of town away from light pollution this weekend and next week to see the Delta Aquarid, the Alpha Capricornid, and the Perseid meteor showers.

While the Perseids don't officially "peak" until August 12, the bright full moon on

August 7 will make them harder to see, so the experts advise beginning to look for them now.

Check out the American Meteor Society for more information <http://www.amsmeteors.org>



■ Potential meteorites from Mike Ragen's collection

## Basic Terminology

**Asteroid** - small planet-like bodies that orbit the sun lying mostly in the region between the orbits of Mars and Jupiter. Their diameters range from a few meters to hundreds of kilometers.

**Meteoroid** - a small piece of dust, rock, ice or metal moving through space. They range in size from a speck of dust to huge dimensions but are smaller than an asteroid.

**Meteor** - a meteoroid that has entered the Earth's atmosphere and burns brightly leaving a flaming tail and sometimes smoke. They are more commonly called "shooting stars" or "falling stars." Most meteors burn up completely in the atmosphere.

**Meteorite** - a meteor that has survived entry through the atmosphere and has reached the Earth's surface.  
<http://www.meteorites.com.au/glossary.html>

## ① How many meteorites hit the Earth each year?

According to Cornell University's Ask an Astronomer website, (<http://curious.astro.cornell.edu/>), "a study done in 1996 (looking at the number of meteorites found in deserts over time) calculated that for objects in the 10 gram to 1 kilogram size range, 2,900-7,300 kilograms per year hit Earth.

However, unlike the number above this does not include the small dust particles. They also estimate between 36 and 166 meteorites larger than 10 grams fall to Earth per million square kilometers per year.

Over the whole surface area of Earth, that translates to **18,000 to 84,000** meteorites bigger than 10 grams per year. But most meteorites are too small to actually fall all the way to the surface. (*This study was led by P. A. Bland and was published in Monthly Notices of the Royal Astronomical Society.*)"

## Meteor Showers 2017

	Delta Aquarids Peak date: 7/30/2017
	Alpha Capricornids Peak date: 7/30/2017
	Perseids Peak date: 8/12/2017
	Kappa Cygnids Peak date: 8/17/2017
	Aurigids Peak date: 8/31/2017
	September epsilon Perseids Peak date: 9/9/2017
	Draconids Peak date: 10/8/2017
	Southern Taurids Peak date: 10/10/2017
	Epsilon Geminids Peak date: 10/18/2017
	Orionids Peak date: 10/21/2017
	Leonis Minorids Peak date: 10/24/2017



■ Holcomb Observatory & Planetarium are located on the Butler University campus in Indianapolis. This would be a great road trip for our members and junior rockhounds.

## ★ BUTLER OFFERS SKY VIEWING

Holcomb Observatory and Planetarium is open to the public many Friday and Saturday evenings ([check the website for current details](#)).

The current planetarium program focuses on

### Holcomb Observatory & Planetarium

Butler University, Indianapolis  
Public Open Times

Fridays & Saturdays  
Doors open at 8:15 p.m.  
Planetarium show 8:45 p.m.  
Telescope Viewing 9:45-11 p.m.

the discovery and exploration of the dwarf planet Pluto (see poster to the right). Following the Pluto portion of the program, the dome of the planetarium

comes alight with a tour of the night time sky pointing out stars, constellations, and planets currently visible in our Hoosier skies.

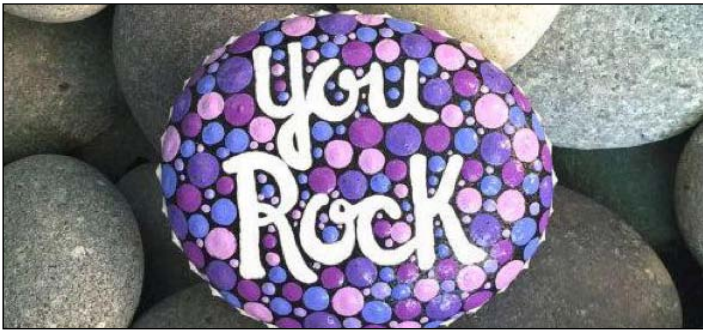
After the planetarium show visitors will have

an opportunity to view through Indiana's largest telescope weather permitting.

Objects that are being viewed this season include the planets Jupiter and Saturn, M13 (Messier) star cluster, Beta Cygnus (Albireo stars), and the Moon if visible. The objects viewed change seasonally, so make sure that you check every few months to see different celestial objects.

Admission is \$3 for children and \$5 for adults for the planetarium show. Viewing through the telescope is always free, weather permitting. We do not accept checks or credit cards so please pay in cash.

For patron information there are three sets of steps to the telescope. Wheelchair accessibility is available in the Planetarium and Lobby area only. No elevator is available to the telescope viewing area.



## 😊 765 Rocks!

This would make a GREAT kids event! Have you seen the 765 Rocks! page on Facebook? If not, check it out their info below and their Facebook group. The group uses painted rocks to bring whimsy and joy into communities. They post photos of the rocks they hide, sometimes with hints on where to find them. When the rocks are found, the finders post photos, too. This summer people are even taking the rocks to their vacation destinations and seeing how far the rocks can travel. It becomes a community scavenger hunt and an activity to get kids and adults outside.

People are starting to hide rocks in Richmond, Centerville, Cambridge City, Connersville and the surrounding areas. Would anyone be interested in a rock-painting craft day at the club? It would be fun for the kids and grandkids in our group. If you are interested, let me know and I will arrange it. [ELGGSnews@gmail.com](mailto:ELGGSnews@gmail.com)



### What Is This?

765 Rocks! is a community initiative created to spread joy and encourage creativity. You paint on rocks and hide them throughout the community for others to find. It started in Jay County and has spread to surrounding communities.

### What Do I Need To Get Involved?

- Rocks (Find in nature or purchase. Home Depot has huge bags in the garden center)
- Acrylic paint or paint pens.
- Sealer  
*Krylon Acrylic Spray Sealer works great as does Rustoleum Clear Matte Spray Sealer. Many have also used a brush-on called "Triple Thick" for a high gloss finish.*

### Let's Talk Rocks

- Be creative. Paint anything on your rock or be inspired by the shape!
- If you want your rock to be found and shared on the Facebook page, here are a few ideas for the back of your rock.
  1. Draw the Facebook "f" and write 765Rocks! on the rock
  2. Tag 765 Rocks! on Facebook
  3. Post a pic on 765 Rocks! on Facebook
- SEAL YOUR ROCK with sealer so your art doesn't run.

### What If I Find A Rock?

- Snap a picture of you with your treasure
- Post the picture on the 765 Rocks! Facebook page
- Keep your rock or re-hide

### How Can I Get My Community Involved?

- Invite everyone you know to the 765 Rocks! Facebook page. The more painters and planters, the more joy that is spread.

## 12 Rock Pickings: July 2017



### Now What?

- Go out and plant your rocks! Hide them anywhere, expecting someone will find it and smile.

*Idea borrowed from Nashville... what community doesn't need a little joy?*

### FAQ- How can I find rocks in my town?

While on the group page, you can search for any town. Any post made in or with the name of the town in the post will pop up. You can search for whatever particular area/town you are in at that time.

Just a reminder that we want to keep the rocks outside! We don't want to make any stores or restaurants upset. Please make sure we aren't going on any private properties either. We want the fun to continue, so let's make sure we're not putting the rocks where they aren't supposed to be. Also please make sure the rocks you're using aren't from someone else's property. Thank you!

*From the 765 Rocks! information page on Facebook*



# ON THE ROAD: FEDERATION CRAFT WORKSHOPS

by Valerie J. Meyers, MWF Bulletin Editor

Two regional federations of the AFMS are holding week-long workshops this summer and fall.

While members of those federations have top priority in making reservations, other members of AFMS and the general public are also invited.

The Southeast Federation will be holding two more workshops at Wildacres Retreat in North Carolina near Little Switzerland. The dates are August 21-27, and September 18-24.

Among the many topics at these workshops will be wire, metals and fire, chain maille, bench building, and soapstone and wood carving. For more information about these four workshops, go to <http://sfmsworkshops.com>.

The Eastern Federation will also be holding a workshop at Wildacres Retreat, September 4-10. The speaker in residence will be Dr. Timothy Morgan, whose specialty is gemstones. Classes will include chain maille, faceting, intarsia, silversmithing, and wire wrapping. For more information, go to <http://efms-wildacres.org>.



Janice Wald Freidman, <https://www.flickr.com/photos/wildacresretreat/16580837878/>

## Do You Have Suggestions For EIGGS CLASSES OR WORKSHOPS?

Several new members have been asking about classes or workshops. Summer is busy for everyone, but fall is a great time to either teach or take a class.

In order to plan for classes, we need to know what you are interested in. What do you want to learn? What would you like to teach?

In the past year, Deb Chagares taught wire-wrapping, Danny Spurgeon taught two Viking weaving sessions, Naomi Jones taught wire-weaving and Mary Ann Morse taught members to make gemstone trees.

Perhaps Marty Lucas would teach club members to make tree of life pendants or Joy Ingerman could teach beading basics? Mona Jones might teach nail polish enameling or Susan Kuhlman could teach PMC basics.

If there is a skill you would like to learn, please send a request to [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com) and we will try to find a club member to teach it.

If you have a skill you would like to share with the club, again, please e-mail [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com) so that we can arrange for class times, supplies and registration.



Wire weaving



Tree of life pendant



Gem tree



Viking weaving



Wire-wrap

# UPCOMING SHOWS

<http://eiggs.weebly.com/other-upcoming-shows.html>

**Aug. 5—ISHPEMING, MI:** Annual show; Ishpeming Rock and Mineral Club, Ishpeming Elks Club; 597 Lake Shore Dr.; Sat. 9:30-4:30; Free Admission; Ishpeming Rock and Mineral Clubs 42th Annual Gem and Mineral Show. There will be a kids' area, silent auction, hourly prizes, raffle, demonstrations. Cracker Barrel session Saturday evening at 7pm; live mineral auction, raffle, program; contact Ernest Johnson, 1962 W. Fair, Marquette, MI 49855, (906)-228-9422; e-mail: [ejohnson@nmu.edu](mailto:ejohnson@nmu.edu); Web site: [www.ishpemingrocks.org](http://www.ishpemingrocks.org)

**Aug. 18-20—SOUTH BEND, IN:** Annual show; Michiana Gem and Mineral Society, St. Joseph County 4-H Fairgrounds; 5117 South Ironwood Rd., Esther Singer Building; Fri. 12-7, Sat. 10-6, Sun. 11-5; Adults \$3, Students ages 6-12 \$3, Children under 6 free; Michiana Gem & Mineral Society 54rd Annual Jewelry, Gem, Mineral & Fossil Show and Sale. Gem, fossil, mineral and jewelry dealers, lapidary arts demonstrations, exhibits, Kid's Korner, and silent auction; contact John Davis, (574)-232-8823; e-mail: [sumu95@hotmail.com](mailto:sumu95@hotmail.com); Web site: [www.michianagms.org](http://www.michianagms.org)

**Sept. 8-10—GREENFIELD, IN:** Annual show; 500 Earth Sciences Club, Hancock County 4-H Fairgrounds; 620 N. Apple Street; Fri. 10 a.m-7 p.m, Sat. 10 a.m-7 p.m., Sun. 10 a.m.-4 p.m.; Free admission; Dealers and swappers in fossils, minerals, gems and jewelry and lapidary equipment plus silent auctions, door prizes and much more. Kids activities, demonstrations, educational displays and programs for all. Contact Cheryl Hamilton, 3507 Luewan Dr., Indianapolis, IN 46235, (317)-897-3369; e-mail: [clhamilton1951@gmail.com](mailto:clhamilton1951@gmail.com)

**Sept. 15-17—HOLLAND, MI:** Annual show; Tulip City Gem & Mineral Club, Soccer Stop Sportsplex; 5 River Hills Drive; Fri. 10-8, Sat. 10-7, Sun. 11-5; Adults/Seniors \$3, Students/Children free; 48th Annual Show: "Geodes – Hidden Treasure". Crack your own geode! Collect special rocks, fossils, jewelry and beads by visiting dealers, artisan market, silent auction and club sales. View special displays by Seaman Mineral Museum and area colleges. Enjoy Kids Games, Sluice, Fluorescent Tent and club members' personal displays. Interact with the Lapidary Arts demonstrators. You will find common, strange and precious treasures to take home! ; contact Sue Goedert, PO Box 2082, Holland, MI 49422, (616)-452-7843; e-mail: [sonbeams2000@yahoo.com](mailto:sonbeams2000@yahoo.com); Web site: [www.tulipcity.org](http://www.tulipcity.org)

**Sept. 16-17—HOWELL, MI:** Annual show; Livingston Gem and Mineral Society, Hartland Education Support Service Center (Old Hartland High School); 9525 Highland Road; Sat. 10-6; Adults/Seniors \$3, Students \$1, Children under 12 free; contact Ed Oiler, MI; e-mail: [edleathercraft@gmail.com](mailto:edleathercraft@gmail.com)



■ Victoria Stone; Bedford Show; Bruce Caminiti

**Sept. 29-Oct. 1—INDIANAPOLIS, IN:** Annual show; Treasures Of The Earth Gem & Jewelry Shows, Indiana State Fairgrounds - Agriculture/Horticulture Building; 1202 East 38th Street; Fri. 10-6:00 pm, Sat. 10-6, Sun. 11-5; Adults \$5 (Good all 3 days), Children Free under age 16; Jewelry makers, goldsmiths and silversmiths from all over the U.S. who can reconstruct, repair, design or make original jewelry from customer-selected gems, stones, opals and crystals. Wire wrap, wire sculpture, stone beads, pearls, stone setting, amber, opal, mineral and fossil dealers. Hourly door prizes including a Ring with a precious stone that will be given as a Grand Prize. Demonstrations and classes.; contact Van Wimmer - Show Director, 5273 Bradshaw Road, Salem, VA 24153, (540) 384-6047; e-mail: [van@toteshow.com](mailto:van@toteshow.com); Web site: [www.toteshow.com](http://www.toteshow.com)

**Sept. 30-Oct. 1—NASHVILLE, IN:** Annual show; Brown County Rock & Mineral Club, Brown County History Center; 90 E. Gould Street; Sat. 10-6, Sun. 10-6; Free Admission; The 2nd Annual Brown County Rock & Mineral Show presented by the Brown County Rock & Mineral Club. There will be demonstrations of wire-wrapping, gold-panning, flint-knapping, etc. There will be vendors from all over the Midwest with everything from gems to geodes to fossils to healing stones. ; contact Rhonda Dunn, P. O. Box 2023, Nashville, IN 47448-2023, (812)-320-6237; e-mail: [radunn1972@aol.com](mailto:radunn1972@aol.com); Web site: <http://browncountyrocks.webs.com/>

**October 20-22—FORT WAYNE, IN:** Annual show; Three Rivers Gem & Mineral Society, Allen County Fairgrounds; 2726 Carroll Rd; Fri. 10-6; Adults \$5, Seniors \$3, Students \$1, Children under 12 free; Theme: "Crinoids: Indiana's Most Famous Fossil" Attractions: gem, fossil, mineral and jewelry dealers, lapidary arts demonstrations, Viking Knit classes, exhibits, geode cracker, gem sluice, kid's games, dinosaur models, door prizes, silent auction, fluorescent room, touch 'n feel table. ; contact Russell Greim, 7619 CR 68, Spencerville, IN 46788, (260)-403-0450; e-mail: [3riversshow@gmail.com](mailto:3riversshow@gmail.com); Web site: [http://3riversgem\\_mineral.tripod.com/annualshow/](http://3riversgem_mineral.tripod.com/annualshow/)



# Art on the Lawn

Sat., Aug. 12, 2017  
10 am-5 pm  
Mills Lawn School  
Yellow Springs, Ohio  
[www.VillageArtisans.blogspot.com](http://www.VillageArtisans.blogspot.com)





ROCK and MINERAL CLUB  
64 Years & Still Collecting  
1953-2017

# 42nd ANNUAL Upper Peninsula Gem and Mineral Show



**Saturday, August 5, 2017**

**9:30 am -4:30 pm** (Eastern Daylight Saving Time)

**Ishpeming Elks Club**

597 Lakeshore Drive, Ishpeming, Michigan

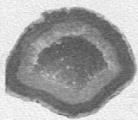
*Dealers - Kids Area - Silent Auction - Crackerbarrel*

*Displays - Gems - Minerals - Fossils - Jewelry*

There will be working demonstrations throughout the day  
along with **HOURLY** door prizes.



**FREE Admission • Door Prizes**



Field Trips: Friday, Sunday and Monday



Space available by **RESERVATION ONLY** for selling or swapping.  
Outside \$30/space - inside \$55 per 8 lineal feet

Sponsored By: The Ishpeming Rock and Mineral Club  
For more information [showinfo@ishpemingrocks.org](mailto:showinfo@ishpemingrocks.org)  
[www.ishpemingrocks.org](http://www.ishpemingrocks.org)



**NOT RESPONSIBLE IN CASE OF ACCIDENTS**

See Reverse 