



# Eastern Indiana Gem & Geological Society February 2016

# ROCK PICKINGS

P.O. Box 1724 • Richmond, IN 47375 • [eiggs.weebly.com](http://eiggs.weebly.com) • [facebook.com/EasternIndianaGemGeologicalSocietyEIGGS](https://www.facebook.com/EasternIndianaGemGeologicalSocietyEIGGS)

## EIGGS Board Members

### President

Mark Lisota  
317-525-1418  
[mlisota@hotmail.com](mailto:mlisota@hotmail.com)

### Vice President

Mary Ann Morse  
765-914-2672  
[jfmamorse@gmail.com](mailto:jfmamorse@gmail.com)

### Secretary

Patrick Pierce  
937-838-1644  
[patrickwp@gmail.com](mailto:patrickwp@gmail.com)

### Treasurer

Dave Straw  
765-966-4249  
[strawdl@aol.com](mailto:strawdl@aol.com)

### Vendor Chairman

John LaMont  
812-322-7809  
[midwestchar@peoplepc.com](mailto:midwestchar@peoplepc.com)

### Show Chairman

Judy Burton  
937-339-1966  
[jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com)

## Memberships:

Annual dues  
\$15 Individuals  
\$20 Families

### Please send dues to:

EIGGS  
PO Box 1724  
Richmond, IN 47375

**3** Next meeting: March 3, 6 p.m. @ Kuhlman Center

## PRESIDENT'S MESSAGE



Hello, everyone:

Reminder: The March meeting is at the Kuhlman Center on the Wayne County Fairgrounds. This is a pitch-in dinner for the vendors provided by the club members, so please bring a side dish. Contact Judy Burton about the pitch-in list. Dinner is at 6 p.m.

If you have not volunteered for a time slot at the rock & gem show, please call or e-mail Judy to see what time slots are still available. Don't wait: call **(937) 339-1966** or e-mail [jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com) today.

Do you have any mineral specimens, gemstones, slabs, cabs, bookends, spheres, gem trees, etc. or books on rocks/gems/geology that you would like to donate to our silent auction? If so, please contact Jim or Marty Lucas. Call 317-607-2102 or e-mail [jimlcs707@gmail.com](mailto:jimlcs707@gmail.com)

I also want to give a big THANK YOU to everyone who came out to the two craft nights to make silent auction items.

I will see all of you at the show! (see the show flyer on page 20 for times, admission, etc.)

Mark

## ▶ INSIDE THIS ISSUE

### PAGE 3

Pitch-in dinner March 3



6 p.m. at the Kuhlman Center

### PAGE 5

Raffle tickets on sale



Raffle grand prize amethyst plate

### PAGE 12

Celebrating 50 years



EIGGS, still rockin' at age 50!

### PAGE 10 & 11

Tucson & Quartzite trips



Members share trip highlights



**Members present:** Charlene Reidenbach, John LaMont, Danny Spurgeon, Patrick Pierce, Lisa Morris, Deb Chagares, Judy Burton, Dave Straw, John Morse, Mary Ann Morse, Mark Lisota, Joe Wirrig, Judith Echano Medina, Jamie Terhaar, John Terhaar, Johnathon Terhaar, Mike Ragen, Bob Vetter, Dakota Jones, Faith Jones, Naomi Jones, Deanna Smith, Jim Lucas, Marty Lucas, Susan Kuhlman, Barbara Kuhlman, Scott Gibson, Emily Gibson, Reagan Pierce.

President Mark opened the meeting at 6:32 p.m.

**President's Report:** Thanks to all who put together postcards before tonight's meeting.

Mark proposed supporting the Midwest Federation and American Federation of Mineralogical Societies' scholarship funds. Votes were taken to send \$50 to each of the two scholarship funds.

**Treasurers Report:**

Expenses: \$674  
(printing \$40, Kulman Center \$435, 4H \$20)  
Income: \$316  
(\$160 dues, \$35 dealers, \$104 shop, \$17 soda)

If you have not paid 2016 dues, please do so ASAP.

Motion by Danny to accept treasurer's report; second by Susan Kuhlman. Motion carried.

**Shop News:** The diamond saws are not designed to cut metal -- this can include mineral samples. Please be aware of the composition of the things you are cutting.

**Show News:** Susan Kuhlman will add a faux woodgrain finish to the painted and primed showcase fronts. *(See pg. 6)*

Judy has raffle tickets available for advance sale. Please contact her by phone **(937) 339-1966** or e-mail **jleeburton@woh.rr.com** if you want to sell. Tickets are \$1 each or six for \$5.

Scouts in uniform get in free all three days.  
All print and radio ads are ready.  
Dave will mail the postcards.

If you can help with setup on the Wednesday morning be-

## Auction Donations Requested

The Silent Auction is a primary fund-raiser for the club.

Please consider donating any cord, wire, beads, chains, jewelry findings, finished jewelry pieces, rough rocks, stones, slabs, cabs, tools, kits, equipment -- or anything else that you think people would like to see in the silent auction. If you teach classes for the club, please consider donating a gift certificate for a class.

- to donate contact Marty or Jim Lucas at 317-607-2102 or e-mail jimlcs707@gmail.com

fore the show, be at the club at 8 a.m. People will be needed at the Kuhlman Center, too.

As of this meeting, there are 20 four-hour shifts still open on the show volunteer sheet. Please contact Judy Burton to volunteer.

Seton Elementary will attend with 37 1st graders 12:15. Vaile will attend with three classes of 20 from 10 a.m.-1 p.m. *(Update: Also attending: Eastview Elementary with 34 fourth graders, Centerville Elementary with 41 third & fourth graders, Northeastern Middle School with 85 seventh graders, Seton Primary with 30 second graders.)*

There are boxes of rocks to be slabbed for the silent auction; Jim put them in the shop if anyone wants to work on them.

Fire Mountain Gems made a generous donation to the club; be sure to order from them. *(Update: 23 other businesses have donated to the silent auction so far; check them out, too! See page 6 for more information.)*

We will hold a pitch-in dinner for club members and the show vendors at 6 p.m. on Thursday, March 3 at the Kuhlman Center.

**Scholarship News:** There were no responses from the high school students this year. Charlene and Lisa will contact the high schools to see what the issue is for the students. If no high school students apply, the consensus opinion is to donate the balance to Earlham College. *(Applications did come in once the high schools were contacted.)*

Meeting adjourned on a motion by John LaMont; second by Deb Chagares.

# ANNUAL ROCK SHOW PITCH-IN HELD AT KUHLMAN CENTER

**Thursday, March 3, 6 p.m.**

Don't forget that the March meeting will be the annual rock show pitch-in dinner at the Kuhlman Center at 6 p.m.

There is a sign-up sheet at the club where members can list what they are bringing. If you can't get over to the club to check it, feel free to bring what you can or contact Judy Burton.

This is a great chance to share a meal with fellow rockhounds, as well as go over the show set-up plans and job responsibilities in order to make the show a success.



## LAPIDARY LAB USAGE POLICY

Please remember that members using the club's equipment are required to attend six regular club meetings a year. Participants must also be trained in equipment usage

*Participants can learn to use slab saws, trim saws, flat laps, grinders & polishers. There is a \$2 fee per lab session for equipment usage & maintenance.*

**Tuesdays** 6-8 p.m.

This lab is perfect for beginners and those with intermediate skill levels since there are experts on hand to teach basic and advanced skills.

**Thursdays** 6-8 p.m.

The lab is usually open on Thursdays. Call or text Deanna Smith (765-914-4811) or Alma Glisson (937-231-3024) to be sure someone will be there.

**Sundays** 6-9 p.m.

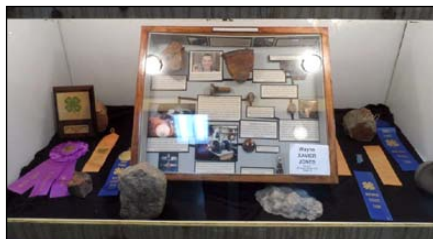
The lab is usually open on Sundays. Call or text Missy Killion in advance to be sure someone will be there. Her number is 765-960-7635



*Dave Straw*

## 'EXHIBITIONISTS' NEEDED

Now that the show display cases have been repaired, painted and updated, they are a great place to show off the educational



*Xavier Jones*

aspects of the club, as well as club members' interests, hobbies, talents and collections. If you are interested in putting together a display case, please let Judy Burton know, by phone (937) 339-1966 or e-mail [jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com)

## DISPLAYED TALENTS

Thanks to Susan Kuhlman who recently added a faux wood grain finish to the fronts of the display cases.

In the fall club members stripped the old, peeling "wood grain" contact paper from the display fronts.



# RICHMOND GEM & MINERAL SHOW SIGN-UPS

With the EIGGS gem and mineral show just two weeks away, it's time to volunteer! Volunteers ensure that the show is a success. To sign up or get more information, please contact Judy Burton by phone (937) 339-1966 or e-mail [jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com)

## Friday March 4

### Admissions

10 a.m.-2 p.m. Jan Roestamadji  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Mary Ann Morse  
2-6 p.m. \_\_\_\_\_

### Raffle

10 a.m.-2 p.m. Scott Gibson  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. \_\_\_\_\_  
2-6 p.m. \_\_\_\_\_

### Hospitality

10 a.m.-2 p.m. Emily Gibson  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Deanna Smith  
2-6 p.m. \_\_\_\_\_

### Mining

10 a.m.-2 p.m. Mike Ragen  
10 a.m.-2 p.m. Bob Vetter  
2-6 p.m. \_\_\_\_\_  
2-6 p.m. \_\_\_\_\_

### Children's Area - Patrick Pierce

10 a.m.-2 p.m. Dave Lundquist  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Joy Ingerman  
2-6 p.m. \_\_\_\_\_

### Lapidary

10 a.m.-2 p.m. John Morse  
10 a.m.-2 p.m. Mary Ann Morse

2-6 p.m. \_\_\_\_\_  
2-6 p.m. \_\_\_\_\_

### Wheel of Fortune

10 a.m.-2 p.m. Jim & Marty Lucas  
10 a.m.-2 p.m. Naomi Jones & family

2-6 p.m. Jim & Marty Lucas  
2-6 p.m. Naomi Jones & family

## Saturday March 5

### Admissions

10 a.m.-2 p.m. Nancy Renfro  
10 a.m.-2 p.m. Jo White  
10 a.m.-2 p.m. Sandy Weadick

2-6 p.m. Judith Echan Medina  
2-6 p.m. \_\_\_\_\_

### Raffle

10 a.m.-2 p.m. Scott Gibson  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Lisa Morris  
2-6 p.m. \_\_\_\_\_

### Hospitality

10 a.m.-2 p.m. Emily Gibson  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Jan Roestamadji  
2-6 p.m. \_\_\_\_\_

### Mining

10 a.m.-2 p.m. Xavier Jones  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. Johnathon Terhaar  
2-6 p.m. \_\_\_\_\_

### Children's Area - Patrick Pierce

10 a.m.-2 p.m. Dave Lundquist  
10 a.m.-2 p.m. \_\_\_\_\_

2-6 p.m. \_\_\_\_\_  
2-6 p.m. \_\_\_\_\_

### Lapidary

10 a.m.-2 p.m. John Morse  
10 a.m.-2 p.m. Mary Ann Morse

2-6 p.m. \_\_\_\_\_  
2-6 p.m. \_\_\_\_\_

### Silent Auction/Wheel of Fortune

10 a.m.-2 p.m. Jim & Marty Lucas  
10 a.m.-2 p.m. Naomi Jones & family  
10 a.m.-2 p.m. Gary Geyer

2-6 p.m. Jim & Marty Lucas  
2-6 p.m. Naomi Jones & family

## Sunday March 6

### Admissions

11 a.m.-4 p.m. Scott Gibson  
11 a.m.-4 p.m. \_\_\_\_\_

### Raffle

11 a.m.-4 p.m. Lisa Morris  
11 a.m.-4 p.m. \_\_\_\_\_

### Hospitality

11 a.m.-4 p.m. Emily Gibson  
11 a.m.-4 p.m. \_\_\_\_\_

### Mining

11 a.m.-4 p.m. \_\_\_\_\_  
11 a.m.-4 p.m. \_\_\_\_\_

### Children's Area - Patrick Pierce

11 a.m.-4 p.m. \_\_\_\_\_  
11 a.m.-4 p.m. \_\_\_\_\_

### Lapidary

11 a.m.-4 p.m. \_\_\_\_\_  
11 a.m.-4 p.m. \_\_\_\_\_

### Silent Auction/Wheel of Fortune

11 a.m.-4 p.m. Jim & Marty Lucas  
11 a.m.-4 p.m. Naomi Jones & family

Be a   
sweetheart  
& sign up  
**SOON!**

 To sign up contact Judy Burton  
by phone (937) 339-1966  
or e-mail  
[jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com)



## RAFFLE PRIZES

Tickets on sale now;  
volunteers needed to sell tickets

**B**e sure to buy your raffle tickets in order to win the grand prize: a 22-inch by 12-inch deep purple amethyst crystal plate with a metal display stand.

The second prize will be a sterling silver wire-wrapped stone pendant by Deb Chargares.

You may buy raffle tickets in advance from Judy Burton or other club members or you may buy them at the show, March 4, 5 and 6.

Tickets are \$1 each or six for \$5.

If you would like to help sell tickets, please contact Judy Burton by phone (937) 339-1966 or e-mail [jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com)

Raffle proceeds benefit the club and help the club provide scholarships for Wayne County high school seniors and Earlham College geology students.

## LAST CHANCE: RENEW YOUR MEMBERSHIP NOW

We've been reminding members to renew for the past four months. If you haven't renewed your EIGGS membership, now is the time. Memberships are for one calendar year, January through December.

If you want to renew, please mail in your membership form today. If you don't want to renew, please let Dave Straw know, so he can remove you from the 2016 member list. If you are not sure if you have renewed yet, contact Dave.

765-966-4249 or  
[strawdl@aol.com](mailto:strawdl@aol.com)

*Eastern Indiana Gem & Geological Society*

### 2016 Club Membership Form

Please check your membership level

Family Membership \$20     Single (age 16 and older) \$15

Name(s) \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home phone: \_\_\_\_\_

Cell phone: \_\_\_\_\_

E-mail address: \_\_\_\_\_

To help with club upkeep & projects, I would like to make an additional donation to the club.

\$10     \$25     \$50     \$100     Other amount \$ \_\_\_\_\_

*Please print this form & bring it and your payment to the club house Tuesday, March 1 (6-8 p.m.) or to the Kuhlman Center at 6 p.m. March 3 OR mail the completed form and a check made out to EIGGS to the address listed here.*

EIGGS Membership  
PO Box 1724, Richmond, IN 47375



## TEACHABLE MOMENTS

Did you know that by taking your children, grandchildren, nieces or nephews to the rock and gem show and explaining what they see, you can help reinforce their mastery of the Indiana State science standards? Be sure to visit the children's area at the show.

### All-Grade Science Process Standards

- Make predictions & formulate testable questions
- Perform investigations using appropriate tools
- Compare the results of investigation with the predictions
- Identify patterns in collected data
- Test predictions with multiple trials

### Earth Science Standards

- 3.2.1 Examine the physical properties of rock samples and sort them into categories
- 3.2.2 Observe the detailed characteristics of rocks and minerals
- 3.2.3 Classify and identify minerals by their physical properties of hardness, color, luster and streak
- 3.2.4 Identify fossils and describe how they provide evidence about the plants and animals that lived long ago and the nature of their environment at the time
- 7.2.1 Describe how the earth is a layered structure
- 7.2.3 Characterize the immensity of geologic time and its measurement in eras and epochs
- 7.2.5 Describe the origin and physical properties of igneous, metamorphic and sedimentary rocks and how they are related through the rock cycle
- 7.2.6 Compare & contrast fossils with living organisms in a given location to explain how earth processes have changed environments



Howard & Deanna Smith



Jo Jo & Alma Glisson

## ROCK HOUNDS VISIT

Two rock hounds visited the club house on Craft Night, February 16. Howard is a beagle and Jo Jo is a terrier-poodle mix. While neither dog contributed any objects for the Silent Auction, they did seem to enjoy Craft Night and cleaning up leftover snacks.

## AUCTION DONATIONS & SPECIAL CLUB OFFERS

**B**e sure to check out this year's Silent Auction, which will have a great selection of slabs, cabs, rough rock, jewelry and craft items.

Club members have generously donated their materials and talents, and the club has received donations from a wide variety of retail and on-line stores.

A special thanks goes out to these retailers for supporting our local club and our fund-raising efforts. Many of them noted how rock clubs helped them in the past and they applauded the club's efforts to promote the earth sciences and the creative lapidary arts.

Check out their products in the auction and visit their stores in person or online. If you have the chance, thank them for supporting EIGGS.

### Thanks to the following Silent Auction donors!

#### Local retail store

Earths Creations

#### Online stores

DDRockShop.com

DiamondPacific.com

FireMountainGems.com

JewelryTools.com

WireJewelry.com

Fox of the Grotto

#### Etsy shops

Arizona Wired Elegance

Bead Addict

Bone Addict

Cab Addict

Cabtopia

Elemental Designs

Lotus Stone

Moon Silver Studio

#### Moving Rock

Natalies RockCraft

Rakme Cabs and Slabs

Raschana

RyZan Stones

Slabs Cabs Rough

SS Jewelry Designs

Tradewinds Studio

XaosArt

### DD ROCKS 15% DISCOUNT OFFER

In addition to donating over \$300 worth of slabs and rough rock, for the Silent Auction, DDRockshop.com is offering a 15% discount to the first 20 club members who order from their online shop. Use the discount code **EIGGS** when checking out.



### CABTOPIA 15% DISCOUNT OFFER

In addition to providing cabochon templates for the Silent Auction, Etsy store Cabtopia is offering 15% on all club members' orders. The



discount can be used on all items, even already discounted ones. Use the discount code **LUVRCLUB15** when checking out.



## WELCOME, NEW MEMBER! A warm welcome to Renee McVey, EIGGS newest member

### Renee McVey

#### Occupation:

Owner/operator of Earths Creations  
Previously an automotive technician

**Location:** Knightstown, IN

#### When did you become interested in rocks, gems & minerals?

I have been interested in rocks and jewelry creation since I was a child. I can remember stringing macaroni on cord for my mother. I still have a container beads I would take to school to make bracelets for others or to trade beads.

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

I hope to gain more knowledge about minerals and lapidary as a club member. I also hope to be of help to other club members.

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

What areas am I most interested in? That may be too long of a list!

I already make handcrafted jewelry and I do lapidary work. I will be learning silversmithing in the future. I hope to take my jewelry designs



to a new level of creativity and craftsmanship.

#### What have you learned so far?

I have taken a lapidary/cabochon class at William Holland. As far as my handcrafted/beaded jewelry, I am self-taught.

#### Anything else you want to share?

I opened my shop June 1, 2014. I have sold at shows for many years. I am well-known for my jewelry and reasonable prices.

After doing shows for many years, I was frequently asked, "Where is your store?" Being asked that time and again really inspired me to pursue opening a store. I had also been encouraged by my boss at the time and many friends.

When I saw a store for rent in my town, I quickly put together a plan and it all worked out. It took a lot of dedication and work to make my dream a reality. I worked four days a week at my job as an automotive technician and three days at my store for a year and a half. I am so thrilled to have been running my shop full-time with two days off since September 2015. It has really been a dream come true for me!

My start was in selling jewelry and has expanded from there. I also sell minerals, fossils, beads, jewelry-making supplies, and Himalayan salt. I take into consideration what people come in looking for. My biggest factor for carrying something is price. I believe in having reasonable prices.

I would like to do more self-collecting. I would like to self-collect fossil fish.

## JOSEPH MOORE MUSEUM LEAP YEAR OPEN HOUSE EVENT

### Saturday, February 27; Noon-Midnight

On this day only, venture behind the scenes of the Earlham's Joseph Moore Museum. The museum has exhibits, including a wide variety of fossils, focused on Indiana's natural history from the present day back to the Ordovician period, 350 million years ago.

You won't want to miss the most complete skeleton of a giant beaver in the world or their passenger pigeons, both species that are now extinct. Also check out the Ralph Teetor Planetarium; just ask the museum host for a show.

Explore interactive stations, face painting and more while celebrating the 45th "leap birthday" of the museum's founder. You'll also be able to experience the unveiling of the giant beaver genome. This educational event is free and fun for all ages.

The Joseph Moore Museum is adjacent to Dennis Hall on the Earlham College Campus. Parking is available behind Dennis Hall and in front of the nearby Admissions Building.



# ✂ CRAFT NIGHTS BENEFIT UPCOMING SILENT AUCTION

*Whether making crafts, cutting cabs or sawing slabs, club members do their part for the Silent Auction*

To prepare items for the March rock show Silent Auction, Marty & Jim Lucas hosted two craft nights at the clubhouse. At the craft nights, members created gem trees, bracelets, pendants, do-it-yourself jewelry kits and more.

## Thanks to Craft Night participants, Feb. 16

- Deb Chagares
- Judith Echano Medina
- Alma Glisson
- Joy Ingerman
- Dakota Jones
- Naomi Jones
- Jim Lucas
- Marty Lucas
- Lisa Morris
- John Morse
- Mary Ann Morse
- Deanna Smith
- Danny Spurgeon
- Clarence Story
- Dave Straw
- Jamie Terhaar
- John Terhaar
- Johnathon Terhaar
- Bill Wilson



Mary Ann Morse



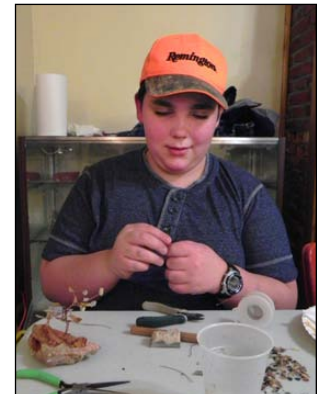
Craft Night gem trees. Thanks to Mary Ann Morse for teaching the group!



Judith Echano Medina



Jamie Terhaar & Marty Lucas



Johnathon Terhaar



Naomi Jones & Deb Chagares



Joy Ingerman & Danny Spurgeon



Clarence Story



John Morse





YOUTH POSTER CONTEST  
MIDWEST FEDERATION YOUTH POSTER CONTEST 2016  
"AMAZING AGATES"



Sponsored by the Summit Lapidary Club of Ohio

THEME: "Amazing Agates" A poster illustrating any type of agate, what it looks like, and where it can be found.

ELIGIBILITY:

Any students 1st through 8th grades. Each grade will have a winner.

PRIZES:

Ribbons awarded 1st through 4th place, the 1st, 2nd and 3rd place winners will also receive a prize.

CONTEST RULES:

1. All entries must be presented on paper 12"x 18"
2. Include name and address, age, and school grade of participant on back of entry.
3. No three-dimensional posters accepted.
4. The title may be on front or back.
5. List the name of the agate, a brief description of what it looks like, and WHY you chose it.
6. Artwork on posters can be pen, ink, crayons, magic marker, paint, or any other artist's medium.
7. All entries become the property of MWF and the Summit Lapidary Club.

SCALE OF POINTS:

Originality and Art Work - 30 points

Design - 25 points

Title - 25 points

Listing of Agate type, what it looks like, and where it is from - 20 points

DEADLINE:

Entries must be postmarked by April 15, 2016.

SEND TO:

Poster Contest  
617 Wooster Rd. W.  
Barberton, Ohio 44203

Winners will be announced at the MWF Convention in South Bend, Indiana, August 20, 2016.  
If you have questions, e-mail [SLC.youth.poster.contest@gmail.com](mailto:SLC.youth.poster.contest@gmail.com).  
For more information, visit the MWF website <http://www.amfed.org/mwf>



# ON THE ROAD: MEMBERS VISIT ARIZONA SHOWS

## “ONCE UPON A QUARTZITE”

by Emily Gibson

When Scott and I decided to go to Quartzite, I did not know what to expect. We did some research before we went, but it was not what I imagined.

Quartzite is a much smaller town than I thought it was going to be. Quartzite has a normal population of approximately 3,000. However, from January through February, this small quaint town grows to over 500,000 people, most of whom are campers! It is believed that if each RV camper signed in, they may qualify for a Guinness Book of World Records entry for the most RV campers within a five-mile radius. They may try for that title next year.



They have a multitude of rock shows, with hundreds of vendors at each show. My favorite was the “Pow Wow.” It had over 500 vendors with items such as rocks, minerals, gemstones, jewelry, etc. The vendors came from all over the world. I think we became experts on price negotiating. LOL! You could go down each aisle 10 times and find something different each time. It was AMAZING!!!!

There were also a lot of rock shops, flea markets, etc. Outside of Quartzite there are areas you can go rock-hounding. If you don’t have tools, you can even stop at the dollar store and buy a crowbar and a screwdriver (like I did) to dig with. It had rained a few days before we went, and we found some amazing rocks in “washed out” areas.

And if you still want more options, make sure you check out the local yard sales and estate sales. Some of the people were even willing to sell the rocks out of their landscaping. We found these to be FANTASTIC!!! We got some amazing deals!

At the end of each day, you can look forward to a beautiful sunset.

I am grateful to have had the Quartzite experience.



photos courtesy of Emily Gibson

*Do you have photos or “rock adventures” to share? If so, please e-mail [EiggsNews@gmail.com](mailto:EiggsNews@gmail.com)*



# ON THE ROAD: MEMBERS VISIT ARIZONA SHOWS

## “BY THE TIME YOU GET TO TUSCON” *by Renee McVey*

*photos courtesy of Renee McVey*

So, were you wondering what it is like to go to the Tucson, Arizona, Gem, Mineral and Fossil shows? I have been to the Tucson Gem shows for five years and it never disappoints me.



I do have a retail store and am able to get into the wholesale shows. I do find the best prices on beads at the wholesale shows such as

G&LW or Jogs. There are great deals on minerals and fossils at the shows open to the public.

There are amazing things to be seen at the shows. There are always at least 8-foot tall amethyst cathedrals. There are large mineral and fossils on display that have large welded stands that have been made for them. I have seen amethyst cathedrals that were shaped like fish and butterflies. There are usually quartz crystals large enough to fill up the bed of a truck. The Ramada Limited always has a jaw-dropping display of fossil fish and palm fronds that can usually be seen from the

interstate. They usually have them displayed on a wooden frame that attaches them to the two-story hotel: they cannot be missed.

My advice if you plan to attend the shows? I do need to let you know that I drive and tent camp. The weather is all over the thermometer, so you should bring a wide variety of clothes. It is cold in the mornings and there are a lot of outside shows. It does warm-up to “shorts weather” sometimes. Pack a cooler: you will spend all day at some shows. Bring great walking shoes. Be prepared to be overwhelmed. There will be a crowd at all the shows, so be prepared. Bring cash -- as much as you can. (Trust me it will not be enough!) Shop around make smart buys. Be prepared to wait in long checkout lines at some of the places. When you get to a show grab a free Tucson show guide; there are maps and a list of shows. Spend the evening making a plan. The shows are spread out and require quite a bit of driving, so it helps to have a plan.

Most of all, remember you are not in Indiana; you are in sunny Arizona getting ready to be wowed by the Tucson Gem, Mineral, and Fossil shows.





■ The restored EIGGS club house in 2014



■ The building as purchased in 1999, photos courtesy of Dave Straw



■ The club house building during renovations

## **EIGGS CLUB HISTORY** courtesy of Charlene Reidenbach

**F**ounded in April of 1966, the Eastern Indiana Gem & Geological Society was created for anyone interested in the earth sciences -- collecting minerals, crystals or fossils; cutting, grinding or polishing stones; tumbling stones; etching and carving stones; sand or lost wax casting; painting, glass leading, silver inlay, beadwork and silversmithing.

Dr. Charles Martin and the late Dr. Ansel Gooding from Earlham College's Geology Department gave their input when the club was formed.

Meetings were first held at Earlham College, then, for many years, they were held at Hayes Arboretum in Richmond.

In April of 1973, the club held their first rock and gem show, which became an annual community event. The purpose of the show was to promote the earth sciences and associated interests. Held at the National Guard Armory from 1973-1984, the show moved to the Wayne County Fairgrounds in 1985.

In October of 1981, the club began holding meetings in the "J" Building at the Richmond State Hospital. Work sessions were also held in the 1980s in Al Vernon's barn.

On April 8, 1999, EIGGS purchased the old Blue Jay Restaurant at the intersection of U.S. 40 and Rice Road outside of Centerville.

The club finally had a home of its own, with plenty of room for meeting space, collections and a lapidary workshop. However, the structure, built in 1842, had been partially destroyed by fire and had been empty for years. The building had extensive fire and water damage.

Members worked together and started tearing out and tearing down -- fixing windows, walls and floors. They painted and worked on plumbing and wiring, too. Members can be proud of their accomplishments, but must realize such a historic building will need vigilant maintenance.

## **CLUB HOUSE HISTORY** courtesy of Dave Straw

*The following has been paraphrased from an article published in the Palladium-Item on Nov 28, 1999.*

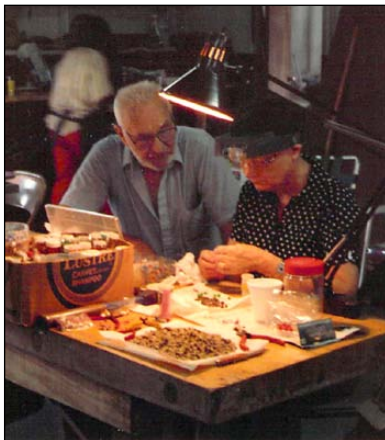
- The building was originally a two-story farmhouse built circa 1840 by James Rariden, a prominent Centerville politician & land speculator.
- The house was part of a working farm and was used as an inn stop, called the Esteb Inn, on the old National Road. It housed settlers moving west and drovers moving herds of cattle and hogs east to markets.
- A brick farmhouse to the east on the north side of U.S. 40 was called Eliason's Tavern and Stagecoach Stop. Initially, there was a tunnel between the two inns, but it collapsed in the 1920s.
- It was owned by the Nicholson family in the 1920-30s and served as the back gate of the Wayne County Fairgrounds, located to the south.
- A front was added in 1939 and it became the Blue Jay Restaurant, and served as such until the late 1950s. After that it was used as a church with an apartment on the second floor.
- A fire did considerable damage to the second floor in about 1994.
- EIGGS purchased the building in 1999 for little more than the value of the land, as the building was in bad condition. After club members worked on restoring the building for about five years, they were able to move in.

# CLUB MEMORIES & REFLECTIONS FROM THE 1980s

*As EIGGS celebrates its 50th Anniversary, club members are invited to share their photos and memories of the club. Thanks to Bob Vetter for sharing these pictures from the 1980s.*



■ Eugene Clark



■ Al Vernon, & Marian Hollingsworth



■ Bob Vetter & Francis Frazier at Al Vernon's barn, a frequent club meeting site



■ Dave Straw



■ Millie Weadick, Kay Helms & Fern Rhinehart



■ Barbara Crawford & Joyce Crull



■ Don Wine & Terry Mays



■ Fern Rhinehart & Stan Liebert

■ Club members collecting rocks on a field trip to Corydon



■ Bob Vetter

*Do you have photos or rock club memories to share?  
If so, please e-mail [EiggsNews@gmail.com](mailto:EiggsNews@gmail.com)*

# METEORITES & MIKE

Club member Mike Ragen searches for & collects potential meteorites, explains hobby & process

I started liking rocks about nine or ten years ago when my wife started a rock garden. I would find them and bring them home to her.

I found my first meteorite about eight years ago at Clear Creek Park. I just thought it was something weird looking, and that night I saw a show about meteorites and realized it could be one. After learning more

## 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>

about it, I realized it could be a stony achondritic meteorite. Before that I had never really thought about meteorites, but after that I started reading about them, researching them and listening to lectures on them.

I categorize them by low, medium and high-potential, and then I have personal favorites, which are high potential ones that I have really done a lot of work on.

Potential has to do with a lot of things: first, I judge them by shape and color.

The shape has to do with atmospheric ablation, which takes out the softer minerals and elements. They are smooth on the outside but textured also, not smooth like river rocks. I call it a "percolated" texture, where it has melted and bubbled due to the heat. Sometimes you can see where the outer crust has melted and flowed.

I check each of them to see if they are magnetic because there is usually at least a little iron in most meteorites, even stony ones. However, there can be meteorites that don't have enough iron to detect with magnets. Meteorites can have many of the same minerals and elements as terrestrial rocks; however, they just have it in different proportions.



■ Using a magnet, Mike Ragen demonstrates the magnetic properties of a potential meteorite. Ragen has been collecting potential meteorites for the past eight years.

If it is magnetic, I will bring them home and I'll start grinding them or cutting them in order to see the matrix -- what's inside. People used to identify them by eye and by microscope, even in the labs, but now there are so many different kinds, some of which they have never even seen in the labs.

Once I joined the club and started cutting them I freaked out because the insides looked just the way they do in the books. Some of the insides have fine bits of elemental metal, crystallized iron, and impact breccia. They also have olivine matrix or feldspar, plagioclase, chondrules, and iron sulfide (troilite). Troilite is more of a space element and less of an earth element. In stony meteorites it shows up as tiny gold or bronze-colored flakes.

• continued on page 15

## 3 Types of Meteorites

**1. Stony** - meteorites composed predominantly of silicate minerals and having less than 30% iron. Mostly chondritic. Some found are older than the earth itself. Usually they haven't been through a melt and everything that is in it is evenly dispersed.

*Chondrites* - (kon-drites) meteorites which contain chondrules. Chondrites are primitive aggregates of early Solar System materials.

*Achondrites* - (a-kon-drites) meteorites which do not contain chondrules. Many of these specimens originate from larger "parent bodies" such as the Moon, Mars or an asteroid. Some achondrites may also be melted or transformed chondrites.

**2. Stony/Iron** - meteorites composed of iron-nickel metal (metallic iron) and silicate minerals in roughly equal proportions.

**3. Iron** - meteorites composed of at least 50% iron up to about 98% with nickel and cobalt and other trace heavy metals

# ☆ METEORITES • *continued from page 14*

For stony meteorites, low potential for me means not much iron and it is not evenly distributed. While that can happen, it would be rare. They may not have a crust that looks right or there are other clues. You have to look at everything together -- the atmospheric ablation and the distribution of iron and other minerals. In slag, for example, all the iron will sink to the bottom; that isn't the case with a chondritic meteorite. Chondrites have not come through a melt. The theory is that they were made by supernovas and the lack of gravity caused the even distribution of all the materials as they cooled down in space.

Medium potential ones have more iron and better distribution of the iron with the silicates. They also have a little better ablation formation, and a nice abrasion pattern on the crust.

When it is high potential, everything comes together. They look just like they do in the books. They have the right iron content, the right shape, form, distribution, orientation and ablation.

You can also do streak tests for meteorites. If it streaks really dark black, you probably have magnetite, and earth mineral, whether it is on the face or inside it. If you get red, you have hydrous iron oxide or hematite. But this is where it gets confusing: if I streak the outside crust, I can get black because there can be magnetite on the outside or I can get red because of the iron oxide, if it has been here a while and has "terrestrialized." However, from the inside, if it is a potential meteorite, you will get a clear or a light gray streak.

Meteorites have "good iron," F26, which is free iron, elemental iron or metallic iron. There isn't much of that on earth. Scientists say the earth's crust is about 5% iron ore. A stony or chondritic meteorite, though can have as much as 30% free iron in it.

Then when you look inside of them it is like you go to a different world. It is all about the way the different elements are distributed within the meteorite. If a rock cools on earth, the heavier elements settle to the bottom; if a rock cools in space the elements are more evenly dispersed.

I used to be able to test the meteorites for nickel by using dimethylglyoxime. That was how the books said to test the meteorites. You could



■ Potential meteorites from Mike Ragen's collection

## ❶ 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.*)"

order the powder and mix it with acid. If there was nickel in it, it would turn a shade of pink. The darker the pink, the higher the nickel content. Now, though, you can't order the chemicals unless you are in a lab environment. Nowadays they use mass spectrometers in the labs and they use X-rays. I took some over to Earlham and got to watch them test them.

It has been the hardest thing to find people who know about meteorites. You can look online, but I'm not much of a computer person,

• *continued on page 16*



Possible lunar basalt with calcium & aluminum inclusions



Potential chondritic meteorite; high iron



Possible carbonaceous chondrite



Potential impact breccia, polymict

# ★ METEORITES • *continued from page 15*

so I wish there were more interested people around here. I joined the rock club about four years ago because I wanted to find other people who knew more about meteorites. I've talked to people in the club, at shows and at Earlham. I now am talking to people at Purdue and hope to get some confirmation about the stones there.

People think meteorites are too rare to be everywhere like that, but you have to understand that they have been hitting the earth for billions of years. I find some of the little ones in gravel pits where the machinery is pulling rocks up out of the earth. I've found some digging out basements and house foundations. I've found them near rivers because there you don't have to dig; the river has already done the digging for you. You don't look for rocks with smooth skins, though; you don't want river rocks.

I've never seen one fall and found it. They call those "falls." Mine are terrestrialized, which means they have hit here at some time and been here a while but we didn't see the fall. These are called "finds." They could have been here for millions of years and they can get underground over the years. Some people use metal detectors to find them, but I haven't done that. Maybe I will some day.

I know what I am looking for, so I definitely know what ISN'T a meteorite. From there it is just a matter of looking for the right characteristics. In space the meteors will likely be gray or bluish-gray. If it has terrestrialized, it has changed from black or gray to brown due to the hydrous iron oxide, or rust. If you see a "fall," the meteorite will be black and shiny from the fusion crust. However, if iron oxide and water get to them, they will start changing to brown.

Over the course of eight years I've found hundreds of potential meteorites. I have many that I have worked on, but others I haven't gotten around to yet.

For somebody who has never had anyone teach them, if any of these are really meteorites, then I will have done something pretty good. I'd like to be known for this. I'd love to be able to sell one. But even if not, it still has been a good hobby, and I've gotten to go to the club and meet good people.

• *continued on page 17*

## RAGEN RECALLS HIS BIGGEST FIND



The biggest one I have found is 120 pounds. I call it my "Jadarite" because it was found by a dog named Jada. She dug the top of it and I put my magnet on it and it "pinged" like metal so I had to dig it up. It has several iron sulfide "welds" on it where I believe a big hunk of it broke apart after it was hit in space. It didn't hit so hard that the pieces were thrown apart, but the pieces came back together and fused. Because of the hit and the kinetic energy exchange, it looks like it melted and welded itself back together.



Possible meteorite with an olivine matrix



Potential chondritic meteorite; high iron



Possible medium metal chondrite with olivine matrix with iron sulfide chips



Possible stony iron meteorite with red streaks



# ☆ METEORITES • *continued from page 16*

I can be having a bad day and I can grab one of my meteorites and some abrasive polishing tape and I can work on polishing them, and somehow the bad day just goes away. I can sit and polish them which gives me something to do while watching TV. I really love working on them. It has been a really good hobby.

I've got some favorites. Lately I've been getting into the impact breccias of the polymict type, where the inclusions are of different types. They look like conglomerates but the inclusions are all angular, whereas conglomerates have rounded inclusions.

My favorites are stony meteorites and stony/irons. Someday, I would like to have one with the thumbprint patterns on the crust, which are called regmaglypt. The best ones are found in the iron meteorites. The pattern is dug out by ablation of some minerals as it moves through the atmosphere.

I have some green ones with a good green olivine matrix that are really pretty, and I like the "starry night" iron patterns and the crystallized iron, too.

Meteorites just fascinate me. Think about where they come from. It is neat to think of them as small parts of something that once was much bigger in space. They come from millions of miles away and haven't been touched much by man. Some of them have all sorts of colors in them; some are the most beautiful dark green; some of them sparkle, like the "starry night" meteorites.

When I get into the rocks, looking at them with a loupe, it is like traveling. I get lost in them. When I look in there deep, I'm in there with it. I try to think about where the rock has been and what it has been through. I see more and more pieces and parts and wonder about all of them. The breccias are especially beautiful with so much to see and look at. When I find a potential carbonaceous chondrite, I know I could be looking one of the oldest things in the universe. They break up easier and aren't as pretty, but they are the oldest.

I've never seen one fall. Before I go out of this world, that is one thing I would like to see. I would also really like to get to the point where I could prove to people that these really are what I think they are.

## More Terms to Know

**Ablation** - the stripping of melted material from the surface of a meteor as it moves through the Earth's atmosphere.

**Breccia** - rock composed of sharp-angled fragments made up of the same material and embedded in a fine-grained matrix.

**Carbonaceous Chondrites** - meteorites which are rich in carbon. They are thought to represent the earliest formed material in our solar system or even have cometary origins.

**Chondrules** - small spherical embedded rocks usually less than 1mm in diameter which formed from molten or partly-molten droplets while floating around in space.

**Fall** - meteorite which was witnessed falling to Earth's surface.

**Find** - meteorite which has been found and has no record of being witnessed falling to Earth's surface.

**Fusion Crust** - in the last couple of seconds of luminous flight, the molten surface of a meteor solidifies to form a thin, usually black 'fusion crust.'

**Monomict** - a mixing of the same textures and compositions.

**Olivine** - a group of mainly iron- and magnesium-bearing silicate minerals.

**Oriented** (meteorite) - meteorite often displaying a conical shape which has resulted from very stable flight through Earth's atmosphere and thus undergone even ablation.

**Pallasite** - Stony/Iron meteorites usually composed of olivine crystals set in a matrix of metallic iron.

**Polymict** - a mixing of different textures but the same compositions.

**Regmaglypts** - thumbprint-like depressions on a meteorite caused by the uneven flow of air during passage through the atmosphere and the consequent surface melting and ablation.

**Strewn field** - the usually elliptical area over which fragments from a shower of meteorites are distributed on the ground.

**Taenite** - an iron-nickel mineral high in nickel content. (More than 25%)

**Tektite** - naturally occurring and once airborne glass ejected by explosive meteorite impact.

from <http://www.meteorites.com.au/glossary.html>

*We are looking for more people, hobbies and collections to feature in the Rock Pickings newsletter. If you would like to recommend someone or wish to share your story, please e-mail [EiggsNews@gmail.com](mailto:EiggsNews@gmail.com)*

## PLEASE, SHARE YOUR CLUB MEMORIES & THOUGHTS

This is YOUR newsletter and we want to hear from you! Please answer at least one of the following questions. E-mail your answers to [EIGGSnews@gmail.com](mailto:EIGGSnews@gmail.com) or mail them to EIGGS Newsletter, PO Box 1724, Richmond, IN 47375.

**1.** How did you find out about EIGGS and what prompted you to join the club?

**2.** How, when, and where did you develop an interest in rocks, gems and geology?

**3.** Do you collect rocks, minerals, gems or fossils? How long have you been collecting? Do you specialize in any particular category? If so, what draws you to these items?

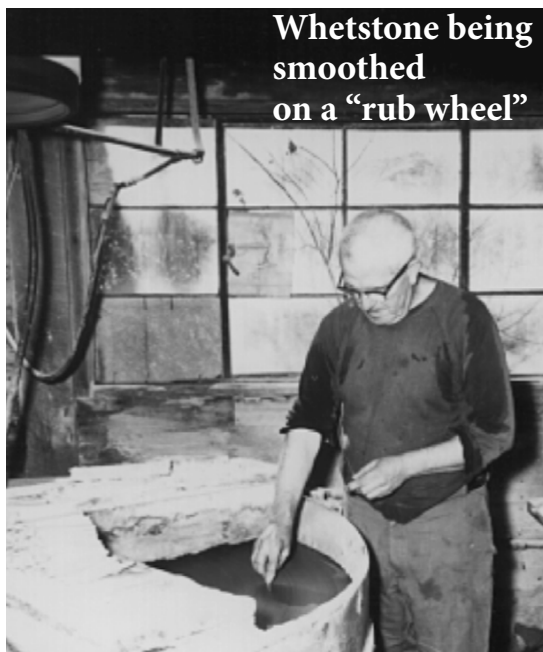
**4.** Do you have one favorite stone in your collection (gem, mineral, fossil, etc.), and if so, why is that your favorite?

**5.** Have you gone on trips to collect rocks? If so, where have you gone and what have you found?

**6.** Which EIGGS members would like to see featured in upcoming newsletters? Please explain why they should be featured.

**7.** Would you like to write a short article for the newsletter? If so, please submit your topic and a general overview of what you would like to write.

## Whetstones: Oldest Hoosier Mineral Industry



Fine-grained sandstone quarried in northwestern Orange County was a valuable Indiana mineral resource for more than 150 years. This stone, shaped into many different types of sharpening stones (whetstones) and grave markers, found its way to towns and cities in this country and to many distant lands.

As early as 1821, rough stone quarried about nine miles west of the town of Orleans was hauled overland by oxcart and horse-drawn wagons to a water-powered finishing mill at Hindostan Falls on the White River. Finished stone was then shipped by flatboat to New Orleans and other markets.

The production of whetstone grave markers

peaked during the 1840s and dropped off rapidly in the early 1850s. This drop in production can be tied to improvements in transportation in southern Indiana. The establishment of regional railroad lines opened Indiana to white marble from Tennessee, Georgia and Vermont. Because whetstone is far more resistant to weathering than limestone or marble, these grave markers are easy to read many years later.

Today artificial stone dominates the abrasives industry, and Hoosier whetstone production has ceased. The Hopper Quarry in Orange County was the last operation in Indiana; it stopped production in 1988.

## UPCOMING SHOWS

♥ **March 4-6—RICHMOND, IN:** Annual show; Eastern Indiana Gem & Geological Society, Wayne County Fairgrounds; 861 N. Salisbury Rd.; Fri. 10 a.m.-6 p.m., Sat. 10 a.m.-6 p.m., Sun. 11 a.m.-4 p.m.; Adults \$5; Seniors \$3; Children \$1, under 7 free; Jewelry, Fossils, Minerals; Silent Auction, Displays, Demonstrators, Children's Activities. Food Available. Over 29 Dealers & Demonstrators. Scouts in uniform -free! Contact Judy Burton, 912 Kent Lane, Troy, OH 45373, (937) 339-1966; e-mail: jleeburton@woh.rr.com

**March 18-20—JACKSON, MI:** Annual show; Michigan Gem and Mineral Society, Jackson County Fairgrounds American One Event Center; 200 W. Ganson St.; Fri. 10 a.m.-7 p.m., Sat. 10 a.m.-6 p.m., Sun. 11 a.m.-5 p.m.; Adults \$4, Seniors \$2, Students \$1, Children under 5 are free; "May the Quartz Be With You" <http://www.mgmsrockclub.com> Many activities for kids, over 20 dealers and demonstrators. Gems, minerals, fossils, beads, jewelry, raffle, exhibits, displays, lapidary supplies, door prize drawings, and 3 days of silent auctions. School groups and organizations are welcome. For information contact Sally Hoskin at: (517) 522-3396 [info@mgmsrockclub.com](mailto:info@mgmsrockclub.com) Web site: <http://www.mgmsrockclub.com/>

**April 1-3—INDIANAPOLIS, IN:** Annual show; Treasures of the Earth Gem & Jewelry Shows, Indiana State Fairgrounds - Agriculture/Horticulture Building; 1202 East 38th Street; Fri. 10 a.m.-6 p.m., Sat. 10 a.m.-6 p.m., Sun. 11 a.m.-5 p.m.; Adults \$5 (Good all 3 days), Children under age 16 Free; 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. Contact Van Wimmer - Show Director, 5273 Bradshaw Road, Salem, VA 24153, (650) 384-6047; e-mail: [vawimmer@verizon.net](mailto:vawimmer@verizon.net); Web site: [www.toteshows.com](http://www.toteshows.com)

**April 2-3—COLUMBUS, OH:** Annual show; Columbus Rock and Mineral Society and Licking County Rock and Mineral Society, Northland Performing Arts Center; 4411 Tamarack Blvd., 628 Sanbridge Circle E; Sat. 10-6, Sun. 11-5; Adults \$7, Seniors \$6, Students \$3, Children under 6 free; The 2016 show theme is Rockhounds, Pebble Pups- Make It a Family Affair. Special exhibits include an Education area containing exhibits on rocks, minerals, and metals. We have hourly silent auctions for adults and children. Stocks of minerals, crystals, geodes, agates, opal, turquoise, jewelry, faceted stones, silver findings, rough cutting material, rhodochrosite, cabochons, fossils, beads, and dinosaur bone from all over the world. A Demonstration Area features folks demonstrating the art of cabochon making, sphere making, gem tree construction, gold panning, jewelry soldering and faceting during show hours. Credit cards are accepted at dealers but cash or check must be used for show admission. ; contact Craig Kramer, 628 Sanbridge Circle E., Columbus, OH 43085, 614-436-4511; e-mail: [craig.kramer@wowway.com](mailto:craig.kramer@wowway.com); Web site: <http://www.columbusrockandmineralsociety.org/>

**April 2-3—LEXINGTON, KY:** Annual show; Blue Grass Gem and Mineral Club, Clarion Hotel; 1950 Newtown Pike; Sat. 9-6, Sun. 11-5; \$2 Admission, Children \$1 Admission; Lexington Rock Gem and Jewelry Show sponsored



by Blue Grass Gem and Mineral Club (BGGMC). Show includes minerals, jewelry, equipment dealers, exhibits, KY Agate, fluorescent display, prizes, and auctions; contact Allen Ferrell, 859-277-2469; e-mail: [kyrock2010kentucky@yahoo.com](mailto:kyrock2010kentucky@yahoo.com); Web site: [www.bggamc.homestead.com](http://www.bggamc.homestead.com)

**April 2-3—CINCINNATI, OH:** Annual show; Intergalactic Bead Show, Sharonville Convention Center; 11355 Chester Rd; Sat. 10-5, Sun. 10-5; Adults \$4-\$5, Children free; Our shows provide attendees with the world's finest and rarest beads, precious stones, gems, freshwater pearls and an exquisite collection of finished jewelry. Shop quality. Contact Shawwna Whitson, (888)-729-6904; Web site: <http://beadshows.com>

**April 23-24—TROY, OH:** Annual show; Brukner Gem and Mineral Club, Miami County Fairgrounds; 650 N. County Rd. 25 A; Sat. 10-6, Sun. 10-6; Adults \$2, Seniors \$2; Dealers with gemstones, jewelry, minerals, fossils, mineral 7 crystal paintings, wire-wrapped jewelry, meteorites & beads; demonstrations on gold panning, sphere making, & rock polishing; geode cracking, gem sluice, & silent auction. Contact Judy Burton, 912 Kent Lane, Troy, OH 45373, (937) 339-1966; e-mail: [jleeburton@woh.rr.com](mailto:jleeburton@woh.rr.com); Web site: Brukner Gem and Mineral Club

**May 6-8—FRANKLIN, NC:** Annual show; Gem & Mineral Society of Franklin, NC, Carpenter Building; 1288 Georgia Rd.(US441); Fri. 10-5, Sat. 10-5, Sun. 10-4; Free Admission; Finished gold and silver jewelry, silver and gold findings, minerals, fossils, cab & facet rough, demonstrations, and much more.; contact Norman Holbert, 180 Camelot Estates Road, Franklin, NC 28734, 828 634-0350; e-mail: [normholbert@comcast.net](mailto:normholbert@comcast.net); Web site: [www.fgmm.org](http://www.fgmm.org)

**June 24-26—BEDFORD, IN:** Annual show; Lawrence County Rock Club, Lawrence County Fairground; US Highway 50; Fri. 10-6:30, Sat. 9-6:30, Sun. 10-4; Free Admission; 51st Annual Gem, Mineral and Fossil Show. Sponsored by the Lawrence County Rock Club, Inc. There will be wide variety of gems, jewelry, minerals, fossils, rocks, lapidary equipment & supplies, rockhound & prospecting supplies, 4-H project material, science project material. ; contact Dave Treffinger, 13101 E 250 N, Loogootee, IN 47553, (812)-295-3463; e-mail: [djt5766jkt@msn.com](mailto:djt5766jkt@msn.com); Web site: [www.lawrencecountyrockclub.org](http://www.lawrencecountyrockclub.org)

**EASTERN INDIANA GEM & GEOLOGICAL SOCIETY**

**43 RD ANNUAL**

# **GEM & MINERAL SHOW**

**March 4-6, 2016**

**Wayne Co. Fairgrounds**

**861 N. Salisbury Rd. 47374**

## **RICHMOND, INDIANA**

**Jewelry Minerals Crystals Fossils Displays  
Dealers Equipment Children's Activities Silent  
Auctions Food Available**

**Fri & Sat 10-6 / Sun 11-4**

**Adults \$5 / Seniors \$3 / 7-18 \$1 // Under 7 Free**

**Further Info : 937-339-1966 937-962-2524**

**765-966-4249**