



Eastern Indiana Gem & Geological Society ROCK PICKINGS

P.O. Box 1724 • Richmond, IN 47375 • eiggs.weebly.com • facebook.com/EasternIndianaGemGeologicalSocietyEIGGS

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Memberships:

Annual dues
\$15 Individuals
\$20 Families

Please send dues to:

EIGGS
PO Box 1724
Richmond, IN 47375

 **Next monthly meeting: September 3, 6:30 p.m.**

PRESIDENT'S MESSAGE

There will be a buzz of activity around the club over the next several weeks. Our clean-up day is Saturday, 8/29. I am disappointed in the response we have gotten for the clean-up day. I want more participation from our members. I want to see new faces volunteering. We are also moving forward with replacing the cellar doors to the basement for safety, security and water drainage reasons. Nicole will be tearing out and installing the new door. The concrete work to the front of the building will be starting in September and take a week or so as well.

A reminder that if you use the club's shop you are required to attend 6 meetings a year. If you do not attend 6 meetings, your privileges of using the shop may be denied for a period of time. If you have keys to the club, they may be revoked. It is not fair to other members who are following club rules to have members who are solely using club equipment and not participating in other club activities. The purpose of this club is to promote education and fellowship among members. It is not for the purpose of being your personal lapidary shop. This hasn't been enforced very well in the past. I plan to change that in the near future.

Mark

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Crawfordsville crinoids



MEETING MINUTES: AUGUST 6, 2015 Patrick Pierce, Secretary

EIGGS met on August 6, 2015. Members in attendance were Mike Ragen, Deanna Smith, Joe Wirrig, Charlene Reidenbach, John LaMont, Marty Lucas, Alma Glisson, John & Mary Ann Morse, Barbara Kuhlman, Susan Kuhlman, Lisa Morris, Alan Kempton, Bob Vetter, Judy Burton, Mark Lisota, Patrick Pierce, Dave Straw.

President Mark Lisota called the meeting to order at 6:30 p.m.

Members welcomed a new newsletter editor, Lisa Morris. The plan is to mail newsletters to those without an e-mail. Thank you to Lisa for taking on this job!

Dave installed a dehumidifier in the basement.

There will be a club clean-up day in September. Mark will announce a date soon. Items to be worked on.

Remove weeds.

Door on saw room.

Stones by garage.

Paint inside of showcases.

Nicole Siliven will remove the headstone.

Gutters and downspouts.

Doors to basement.

Susan Kuhlman had the paintings of the minerals reframed. Examination of the paintings revealed artists initials of LLE. Bob Vetter will look through old membership rosters to determine the artists.

Judy Burton has previewed her anticipated advertising expenses. She expects to be able to pay them out of the raffle fund.

Treasurer's report: Expenses \$201, \$171 UTIL, \$30 PICNIC; Income: \$109, SHOP \$83, DUES \$20.

Dave found a back support on the bricks outside. Call him at home if you think it might be yours.

The club will purchase amethyst from John LaMont for the silent auction.

Joe has arranged for free replacements of the magnetic Nova laps for the flat laps from the manufacturer.

The concrete work should be done around September.

Dave applied for a \$6,000 grant from the Wayne County Foundation. Awards will be made September 18. Thank you, Dave!

John LaMont has received several dealer applications.

Charlene has called for more programs at the meetings.

John LaMont motioned to continue the \$500 EIGGS high school scholarship for the 2015-16 school year; Marty Lucas seconded. Motion carried.

Joe Wirrig motioned to continue the \$500 Earlham scholarship for the 2015-16 school year; Marty seconded. Motion carried.

Mark Lisota closed the meeting at 7:20.

CLUB CLEAN-UP DAY: SATURDAY, AUGUST 29

Please come join us for a Club Clean-Up Day on Saturday, August 29, at 10 a.m. The club will provide pizza and drinks for everyone who shows up. We have many projects around the shop that need to be done to keep our club going.

Please wear appropriate clothing and shoes. Bring gloves, hat, long sleeve shirt (just in case), safety glasses and mask.

Please RSVP to Mark via e-mail mlisota@hotmail.com so we can get a head count of how many people will be on hand to help out so we can plan out the projects.

If anybody has the following tools we would appreciate it if you brought them along. Let us know in your response e-mail what tools, if any, you will be bringing.

TOOLS NEEDED:

- Paint brushes
- Paint pans
- Paint scrapers
- Painters tape
- Plastic tarp
- Heat gun
- Gloves
- Goggles
- Masks
- 2 step ladders
- Shop vac
- Wheelbarrow or wagon
- Pipe wrench
- Saws-all or hack saw
- Weed eater
- Hedge trimmer to take down small trees/large weeds by small garage

PROJECTS:

- Repaint the display boxes.
- Take down old ceiling insulation in the garage.
- Scrape & paint the peeling paint on the stairway to the upstairs
- Remove old humidifier & hot water heaters from the basement
- Sort some of the rock material in the garage
- Remove remaining bricks from the side of the small garage and clear weeds
- Install deadbolt plug in the side door of small garage. Jim has the plug (he thinks)



WIRE WRAPPING CLASS OFFERED, OCTOBER 13

Want to turn your cabochons into wearable art? Learn the techniques needed to wire-wrap them into pendants, earrings or other ornaments at a wire-wrapping workshop offered Tuesday, Oct. 13, from 6-9:30 p.m.

Deb Chagares will teach this members-only class at the club house.

Participants must bring their own supplies, including:

- Flat Nose Pliers
- Round Nose Pliers
- Cutters
- Ruler
- Fine Tip Sharpie Marker
- Painters Tape (blue is good)

(Deb will bring her own tools so there will be a few extra tools)

The class will cost \$30 per participant.

Enrollment will be limited to 15 people, so please register in advance for this event.

To register, contact Deb at deb@chagaresphotography.com

If you contact Deb, she will send you an e-mail with links to help you find the wire-wrapping supplies you will need.



*pendants by Deb Chagares
photos by Jim Chagares*



MEMBERS HONORED AT DARKE COUNTY FAIR

Two club members recently swept the competition, taking the top four spots in the professional jewelry division at Darke County Fair. Judy Burton earned

second place with a wire-wrapped silver and opal ring, while Jan Roestamadji brought back triple-honors, taking first place with a silver and blue chalcedony pendant (see page 1), third place with another silver pendant, and honorable mention with a brass, copper and silver necklace. Congratulations to both Judy and Jan!



Jan Roestamadji with her award-winning pieces at the Darke County Fair

UPCOMING SHOWS

Sept. 11-13—GREENFIELD, INDIANA: Annual show; 500 Earth Sciences Club, Hancock County 4-H Fairgrounds; 620 N. Apple Street; Fri. 10:00 am-7:00 pm, Sat. 9:00 am-7:00 pm, Sun. 10:00 am-4:00 pm; Admission is Free!; 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) 897-6639; e-mail: clhamilton1951@gmail.com

Sept. 11-13—TOLEDO, OHIO: Annual show; Toledo Gem and Rockhound Club, Stranahan Great Hall; 4645 Heatherdowns Blvd.; Fri. 2 pm-8 pm, Sat. 10 am-6 pm, Sun. 11 am-5 pm; Adults \$4, Seniors \$3.50, Students \$3.50, Children under 12 free!; Active military with ID and Scouts in uniforms are free; Exhibits, lapidary and jewelry-making demos, scholarship raffle, free kids' mineral kits, dealers, club sales; contact Stephen Shimatzki, 4295 County Rd. 16, Woodville, OH 43469, (567) 868-8794; e-mail: sjs132@gmail.com; Web site: www.rockyreader.com

UPCOMING SHOWS, CONTINUED

Oct. 2-4—INDIANAPOLIS, INDIANA: Annual show; Treasures Of The Earth Gem & Jewelry Shows, Indiana State Fairgrounds, Agriculture/Horticulture Bldg.; 1202 E. 38th St.; Fri. 10-6, Sat. 10-6, Sun. 11-5; adults \$5 (3-day pass), children (under 16) free; beads, pearls, gemstones, gem trees, wire wrapping, wire sculpture, silversmiths and goldsmiths, custom work and repairs while you wait, door prizes, classes available, Western jewelry; contact Van Wimmer, Show Director, 5273 Bradshaw Rd., Salem, VA 24153, (540) 384-6047; e-mail: van@toteshow.com; Web site: www.toteshow.com

Oct. 16-18—FORT WAYNE, INDIANA: Annual show; Three Rivers Gem & Mineral Society, Allen County Fairgrounds; 2726 Carroll Road; Fri. 10:00 am-6:00 pm, Sat. 10:00 am-6:00 pm, Sun. 11:00 am-5:00 pm; Adults \$5.00, Seniors \$3.00, Students \$1.00, Children 12 and under free; Attractions: gem, mineral, fossil and jewelry dealers, lapidary arts demonstrations, Viking Knit classes, exhibits, geode cracker, gem sluice, kid's games, door prizes, silent auction, fluorescence room, touch 'n feel table, mineral ID, speakers (Saturday.) ; contact Russell Greim, 7619 Co. Rd. 68, Spencerville, IN 46788, (260) 403-0450; e-mail: 3riversshow@gmail.com; Web site: http://members.tripod.com/3riversgem_mineral/

Oct. 24-25—EVANSVILLE, INDIANA: Annual show; Evansville Lapidary Society, Washington Square Mall; 5011 Washington Ave; Sat. 10 am-7 pm, Sun. 12 pm-5 pm; Admission is Free; Back to our original location- Washington Square Mall featuring 20+ dealers. Junior Rockhounds booth with spin and win game, raffles, hourly door prizes, silent auction, private collectors' exhibits, arrowheads and artifacts, demonstrations and club booth. Offering specimens, crystals, fossils, minerals, fine jewelry, beads, carvings, rough, geodes, faceted stones, tumbled stones, slabs, cabochons, rough and more; contact Sara Rappee, 413 North Park Dr., Evansville, IN 47710, (812) 589-3079; e-mail: sararappee@gmail.com; Web site: www.evansvillelapidarysociety.tumblr.com



Oct. 24-25—CUYAHOGA FALLS, OHIO: Semi Annual Show; Akron Mineral Society & Summit Lapidary club, Emidio & Sons Expo Center; 48 Bath Road; Sat. 10:00 am-6:00 pm, Sun. 10:00 am-5:00 pm; Adults \$5.00, Seniors \$4.00, Students \$4.00, Children \$1.00; October 24th & 25 Cuyahoga Falls, Ohio Fall Gem-boree gem and mineral show; Saturday 10am-6pm, Sunday 10am-5pm; Emidio & Sons Party Center, 48 East Bath rd., Cuyahoga Falls, Ohio; Admission: Adults \$5.00, Seniors (55+) & Students, \$4.00 Children (7-14) \$1.00, Children (6 and under) free. Displays of Ohio Flint and members' work, Geo Juniors displays, Dealers with geodes, minerals, jewelry, beads and findings, slab material, lapidary equipment, silver smith work, wire wrap, gold findings and more. Children's activities: make a gem tree, mine for minerals and stones in our gem mine, and take a look in to our kaleido scope. Members demonstrate throughout the day: Gem ID, wire wrapping, gem trees; cutting and polishing stones and faceting; Silent auction and door prizes throughout the day and a children's treasure hunt. Free parking and wheel chair accessible. Show Chairman: Bob Powers Contact email: Gemboree@outlook.com ; contact Joyce Kish, 3014 Clarkmill Rd., Norton, OH 44203; e-mail: gemboree@outlook.com

Oct. 24-25: Honolulu, Hawaii (anyone want to go?)
2015 Annual Hawaii Rock & Mineral Show
Organized by: Rock & Mineral Society of Hawaii
Outrigger on the Beach Hotel, Waikiki, Leahi Room, Upper Lobby



ALAA EXCERPT

The American Lands Access Association has provided information of the Federal Register - Paleontological Resources Preservation, Final Rule. The items below they felt were the relevant parts to share with members. You may look up the entire document online.

§ 291.10 Collecting.

A paleontological resource may only be collected from National Forest System lands in accordance with the casual collecting provisions in §§ 291.11 and 291.12, or in accordance with a permit issued by the Authorized Officer as identified in § 291.13.

§ 291.11 Casual collecting on National Forest System lands.

(a) Casual collecting is allowed without a permit on National Forest System lands where such collection is consistent with the laws governing the management of those lands, the land management plans, and where the lands in question are not closed to casual collection.

(b) National Forest System lands are open to casual collection unless otherwise closed, as described in § 291.12.

(c) Research activities do not constitute casual collection, and therefore, research involving the collecting of common invertebrate and plant paleontological resources requires a permit.

(d) Using scientific principles and expertise, the Authorized Officer may determine that certain invertebrate and plant paleontological resources do or do not meet the definition of "common invertebrate and plant paleontological resources" as set forth in these regulations, and thus, whether such resources can be casually collected or must be collected under permit.

(e) Determinations as described above in paragraph

(d) of this section are subject to the conditions as stated in § 291.9(c)(1) through (4).

(f) It is the responsibility of the collecting public to ensure that they are casually collecting in an area

that is open to casual collection, and that the materials they collect are subject to casual collection.

(g) Paleontological resources collected on National Forest System lands, including common invertebrate and plant paleontological resources subject to casual collecting, cannot be sold. Sale of these paleontological resources is a violation of 16 U.S.C. 470aaa-5(a)(3) and § 291.27(a)(3) and may subject the violator to civil and criminal penalties.

§ 291.12 National Forest System lands closed to casual collection.

(a) Casual collecting is not allowed in:

(1) National Monuments within the National Forest System; and

(2) Other National Forest System lands closed to casual collecting in accordance with this Part, other statutes, executive orders, regulations, or land use plans.

(b) Existing closures of certain areas to casual collecting, authorized under separate authority, remain closed under these regulations.

§ 291.13 Permits.

(a) The Authorized Officer may issue a permit for the collection of a paleontological resource pursuant to an application if the Authorized Officer determines that:

(1) The applicant is qualified to carry out the permitted activity;

(2) The permitted activity is undertaken for the purpose of furthering paleontological knowledge;

(3) The permitted activity is consistent with any management plan applicable to the National Forest System lands concerned; and

(4) The proposed methods of collection will not threaten significant natural or cultural resources pursuant to 16 U.S.C. 470aaa-3(b)(4).

(5) Collected materials will not be sold or otherwise used for commercial purposes.

(b) Permits may be issued at the Authorized Officer's discretion to applicants that provide a complete application, as provided in § 291.14, and meet qualification and eligibility requirements in § 291.15.

ALAA EXCERPT, CONTINUED

§ 291.14 Application process.

Applicants for permits must provide the following records and information to the Authorized Officer in support of an application.

(a) The name, titles, academic or professional affiliations, and business contact information of the applicant and all persons who would be named on the permit;

(b) The applicant's current resume, curriculum vita, or other documents that support an applicant's qualifications;

(c) A detailed scope of work or research plan for the proposed activity. This must include maps, field methods, associated records, estimated time and duration of field season, proposed field party size,

and specific information regarding storage, stabilization, and curatorial arrangements for collected specimens and data;

(d) Information regarding previous or currently held Federal paleontological permits including the issuing agency, permit number, and name of the Authorized Officer;

(e) Identification of a proposed repository for collected specimens, including written verification that the proposed repository agrees to receive the collection of paleontological resources and associated records and acknowledges that all costs will be borne by the applicant and/or approved repository, unless otherwise addressed in a separate written document; and

(f) Other records or information identified by the Authorized Officer as necessary to support an application for a permit.



ART HISTORY MYSTERY

The former club member who created these paintings remains a mystery. However, the paintings have been matted and re-framed thanks to Susan Kuhlman. The former wooden frames have been replaced by white frames with a gold crackle accent and ornamentation. The matting material accents the original backgrounds. The paintings will soon be displayed in the clubhouse, hopefully, with a plaque that explains their history.

Closer examination of the paintings revealed artists initials of LLE. Bob Vetter volunteered to look through old membership rosters to determine the artist. If you have any information about the paintings, please let Mark Lisota know.



CRAWFORDSVILLE'S CRINOIDS

information provided by fossilmuseum.net

http://www.fossilmuseum.net/Fossil_Sites/crinoidscrawfordsville/crawfordsvillecrinoidssite.htm

Crawfordsville, Indiana, is known for its spectacular crinoid faunal assemblage. There are more than 60 species of crinoids among more than 40 genera found in the Crawfordsville area.

All major groups of Lower Mississippian crinoids represented: Cladids, Camerates, Disparids, and Flexibles. What is most noteworthy about the Crawfordsville crinoids is the size of the calices, with some approaching and even exceeding 10 cm in length, rendering them most appealing to collectors.

A most appealing characteristic of this fauna is the amazing diversity of well-preserved specimens found in exquisite 3-D relief. While the sheer diversity alone is astonishing, the fact that many complete crowns with attached stems are found is a further attraction. Nearly half of all species are known from complete specimens. This Lagerstatt fossil site makes for a golden opportunity for researchers to formulate observations about the morphology, ecology, and behavior of the crinoids of Late Mississippian age.

The first crinoid calyx collected from the Crawfordsville area was by 9-year-old Horace Hovey in 1842, who was collecting "encrinites" along the banks of Sugar Creek. The magnificently-preserved specimens have been sought after ever since by scholars and collectors alike.

While crinoids are found in a number of locations in the Crawfordsville area, the most abundant beds are those of Corey's Bluff and along Indian Creek, both of which are currently thought to be within the Edwardsville Formation (approximately 340 million years old). The Edwardsville Formation is dated as Late Osagean Stage in central and southern Indiana.

The crinoids are found with differing stem lengths, allowing each to find its own feeding niche in the water column, using its filter-feeding apparatus to strain the food contained within its target stratum. Additionally, some crinoids with similar length stems were further



subdivided according to the size prey species targeted. In these ways, the amazing diversity could be maintained while minimizing competition between species. Such a method of

tiering has subsequently been found to be an important aspect of many sea floor communities.

Sea floor conditions in the Crawfordsville area were obviously very favorable to the proliferation of crinoids, an environment that had both shallow water conditions and an influx of silt from a neighboring delta. The crinoids, living in high densities in their tired habitat were periodically buried alive by storm-generated slumping or silt flows. Such tempestites or turbidites must be of sufficient depth to prevent later re-excavation.

Collectors are fortunate that the resultant siltstone deposits of Crawfordsville are sufficiently soft to allow microabrasive preparation techniques to expose the crinoids in all their past glory, affording the treasures we see today.

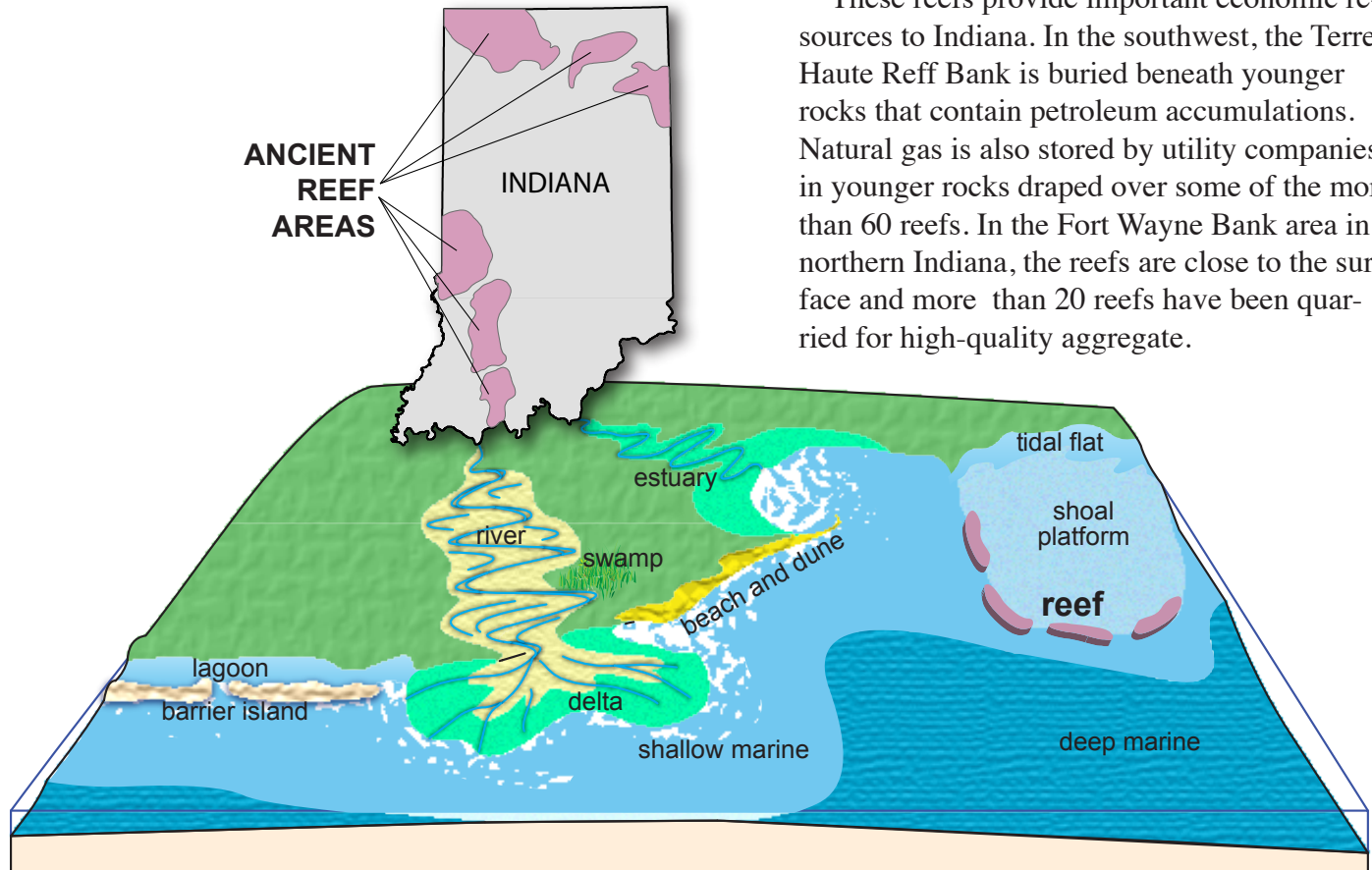


GeoNotes

Indiana's Reef Rocks

Over 400 million years ago, during the Silurian Period, countless individual reefs developed in the warm, shallow seas that covered Indiana and the surrounding states. Corals and sponge-like stromatoperoids built the reefs in broad banks across northern and southwestern Indiana along the margins of the deeper basin areas centered in Michigan and southwestern Indiana and Illinois.

These reefs provide important economic resources to Indiana. In the southwest, the Terre Haute Reef Bank is buried beneath younger rocks that contain petroleum accumulations. Natural gas is also stored by utility companies in younger rocks draped over some of the more than 60 reefs. In the Fort Wayne Bank area in northern Indiana, the reefs are close to the surface and more than 20 reefs have been quarried for high-quality aggregate.



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UPDATING THE NEWSLETTER

So here we are on the last page of the newsletter... Now that you have read this one, what would you like to see in the next newsletter? What are you interested in reading more about or learning about?

Since this is an e-mailed newsletter, in the future, I would like to see interactive stories, with hyperlinks to click that will take you directly to web sites with interesting articles, photos, discussions or videos. If there are sites that you find especially helpful, please send them to me with a brief description so I can share them in the newsletter.

I would also like to see more coverage of upcoming events as well as geological trips people have taken. It would also be nice to have monthly short articles featuring long-time members, new members, interesting projects, trips, etc.

Ultimately, though, it's up to you: what are your interests? What would you like to read? Which members would you like to see featured? If you have suggestions, story ideas or photos to share, please let me know. You can e-mail me, Lisa Morris, at ELGGSnews@gmail.com Thanks!