

ARKANSAS ROCKHOUND NEWS



APRIL 2017

MISSION STATEMENT

The Central Arkansas Gem, Mineral and Geology Society is dedicated to promoting interest in mineralogy and the related sciences, interest in lapidary and the related arts; to encourage field trips and the enjoyment of collecting and preserving minerals as they occur in nature, and the study of geological formations, especially those of our Natural State of Arkansas.

We are a small group of people that enjoy getting together to share our common interests.

Regular meetings are at the Terry Library 6:30 PM on the fourth Tuesday of the month (except December)

Terry Library is located at:

2015 Napa Valley Dr.
Little Rock, Arkansas
72212

From the president...



As the days get longer and warmer, it is a great time to get out and see the world. There are so many opportunities for us to search for minerals, check out the Rock Shops, and see what is new at the Spring Shows. So head out and enjoy the beautiful weather.

Memphis Earth Wide Open is coming up quick as well as our Spring Rock Swap. Just a couple of weeks away we will be camped out at Burns Park, Elder Pavilion for our Spring Swap. Everyone is invited to come out and set up on a picnic table, your own tables or tailgate to sell or swap your minerals, fossils, gems and crafts. It is first come on the tables. Set up will be at 8:00 am with the swap starting at 9:00. The swap will be over around 4:00 pm. There are facilities but you will need to bring your own drinks and snacks. I look forward to seeing everyone there!

There is still opportunity for anyone who wants to volunteer for the Boy Scout Day at UA Little Rock. The program will begin at 9:00 and run until about noon. This year it is all about basic Geology. Thank you- Pat Kissire, we will be using the program that you had set up a few years ago. We should have a group of about 20 scouts ready to learn.

For anyone who was not able to make the last meeting, we received a very nice Thank You card from the Faculty of University of Arkansas Little Rock for our ongoing support of the faculty and the contribution to the students in the Geology program through our summer study scholarship.

Auction-Auction-Auction! April is Auction month. We will have the usual meeting, then instead of a program we will have our open auction. Each member is invited to bring up to 5 items to be auctioned off to club members. You may put a reserve if you need, come and join the fun and spread some of those gems, minerals and fossils around.

See you at the Dig!
Barbara

ARKANSAS ROCKHOUND NEWS is the official newsletter of the Central Arkansas Gem, Mineral and Geology Society. It is published monthly. To submit information, articles or photographs please email Nikki Heck, nikkiheck@windstream.net.

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Programs, Vacant

Meeting minutes...

March 28, 2017

Submitted by Daniel Butcher, secretary

The March meeting was opened by club President Barbara Champagne, with 19 members present. The first order of business was confirmation that everyone received a newsletter. Everyone present confirmed that they had received their newsletter. Next came a move to approve the minutes from the February meeting. This motion was approved by all members. A discussion of future events followed; the Memphis show will be on April 22 & 23rd, the rock swap will be on May 6 at Burns Park and the Boy Scouts of Quapaw University meeting will be held at the University of Arkansas Little Rock campus on May 13. Barbara asked for a show of hands from members interested in getting a name tag with the clubs distinctive Arkansas shape format. The cost for these would be around seventeen dollars with tax. Options would include clip on, or magnetic. Three members expressed interest in receiving these. Tom Sharp mentioned that AAA Trophy Mart in Jacksonville may be able to produce these for around ten dollars.

Discussion then turned to the rock swap in May. Getting the information out to public via display fliers was allocated to Daniel Butcher, who committed to displaying fliers at multiple locations around the University of Arkansas Little Rock campus.

Barbara announced a week long workshop starting on June 11 in Georgia. Classes on cabs, opals, silver inlay, casting, as well as many other jewelry making procedures will be offered. Also in new business, the club received a thank you card from the University of Arkansas Little Rock. Dr. DeAngelis said that the card was in appreciation for the clubs support of students at the university. He expressed that the faculty was very appreciative of the relationship between the university and the club, as well as members support.

Barbara announced that the Mountain Home club was having a field trip this Saturday. Lenora Murray mentioned that the cost was twenty five dollars a person. The location is a mine in Mount Ida. If anyone was interested in getting some

high quality quartz, the owner would open a pocket for a price. Barbara acknowledged that it's been a challenge to find new places to go. Daniel Butcher mentioned that he had spoken to David Hodge about this month's field trip. David recommended going to Leslie to look for fossils.

The floor was then taken by Dr. DeAngelis. He wanted to continue planting the seed, that the Southcentral Geological Society of America meeting will be taking place right here in Little Rock, one year from now, on March 12 & 13. Dr. DeAngelis emphasized that this was a big deal. He just returned from the meeting in San Antonio where four to five hundred professionals, hobbyist, and students met from around the region. He went on to state that Geology professionals from all over, even Mexico attended the meeting in San Antonio. We can expect this kind of diversity at the meeting in Little Rock in 2018. Many of the attendees are really excited to go on field trips during this meeting. A wide range of workshops will be offered at this meeting as well. At the San Antonio meeting there was a workshop for using drones to do geologic mapping. These shows typically have several exhibitors, so there may be an opportunity for CAGMAG to be an exhibitor at the event. The event will be held at the Little Rock Marriot. Dr. DeAngelis went on say that many of those organizing the event are local. He is the events Organizing Chair, Dr. Ruhl is the Session Chair, and Angela Chandler from the Arkansas Geologic Survey is the Field Trip Chair. He went on to recommend that we recruit other clubs to attend this event such as; Mountain Home, Fort Smith, Hot Springs, and Memphis. He went on to recommend that if members have ideas for workshops, field trips, or if they're interested in proposing or leading a field trip, to please let him know. In his concluding comments, Dr. DeAngelis announced that the next and final Earth Talks Lecture will be on 12 April at 6pm. Dr. Mark Covington from the University of Arkansas Fayetteville will be speaking about Caves.

In other business, Barbara mentioned that there will be a meeting at the Memphis show, which will be attended by club presidents in Arkansas and Tennessee. At this meeting, the presidents will discuss networking opportunities with other clubs to allow members to go on field trips in other locations with other clubs. John Peeler showed the club an example of a survival staff

that he engineered and constructed. With no other business to discuss, the meeting adjourned and members enjoyed a video titled Mineral Explorers.

From the editor...

Well, I don't know about you but we are having a very busy spring around my house! The school year is nearing an end, we have baseball, yard work, work-work... and it seems no time for our beloved rocks. Sigh. Brandon and I are both looking forward to the Memphis show (April 22-23) and our upcoming swap (May 6) though.

I looked up the workshops that Barbara mentioned at the last meeting, wow, they sound like fun! The Southeast Federation of Mineralogical Societies has four sets of week long classes at William Holland (GA) and Wildacres Retreat (NC) beginning in June. They open the opportunity up to members of other AFMS regional federations as well, this is a great opportunity if you are interested. Check out their website for more information. [SFMS Workshops](#)

As many of you know Mr. Carl Hill has been in poor health. He currently at the Heritage Living Center in Conway and would love to hear from members. The address there is: Heritage Living Center, 1175 Morningside Drive, Conway, AR 72034. His cell phone number is 501-889-8820. Stop by for a visit, send him a card or give him a call, I know he would like to visit!

Finally, if you haven't read the latest MWF News, the May 2017 edition, be sure to go to their website and check it out. ([MWF](#)) They featured an article by our own Doug Stone! It was Doug's recap of the Batesville field trip, along with a couple of his photos. Good job Doug!

Until next time... keep sending me your articles and photos!

Member feature...

A FIELD TRIP??

by Mike Austen

When is a field trip a field trip? When you travel to a field and collect rocks?

Then I guess I just came back from an interesting field trip. Ann and I went to Texas to the home of a Tyler, TX club member and dealer. A couple of times a year he has a sale-hunt at his home. By that I mean he has STUFF piled all over his property in no order that you can sort through. His best guess is about 50 tons mostly rough, but a little of everything. We found cutting material, slabs, polished rocks, yard rocks, fossils, display pieces and more. Some of everything, even a building full of used equipment, anything you can imagine. He used to live in town but there was not enough room in his yard to hold all the rocks. So he did what any good rockhound would do, he moved to the country and got a bigger place and more rocks. You never know what you might find, just like a normal field trip but you know you will come home with something. If you ask him if he has something you are looking for his answer will be yes, but I do not know where it is, just keep looking. Most of the rocks are sold by the pound, cheap, and buckets and spray bottles are provided.



This was a one day affair and close to a hundred people showed up. We are members of the Tyler club, and saw some old friends and made new ones. Later that afternoon when things had slowed down our host had time to talk, and let us sort through his private stash, where the GOOD STUFF is. He is a meteorite collector like me, and always has some new items for me. I came home with two nice new ones from locations I did not have, that made my day. He was also nice enough to donate some things for the clubs kid activities at the next CAGMAGS show. The only down side was the nasty little ants that seemed to want the same rocks I did. We had a great time and I can't wait for the next one.



Call for Ideas/Speakers!

We still do not have a program coordinator, in order to continue to have fun and interesting meetings, we need your help! If you have an idea for a program or for a speaker to reach out to please let us know. If you are interested in being the programs coordinator please let Barbara know. Thank you!

Member feature...

Texas Agates

Display case entry for the 2016 show

By Brandon Heck

All the minerals in the case are agates that are from Texas. Some of them are end cuts, but the rest are whole specimens. These specimens are from 3 locations, the Stillwell, Singleton, and Larremore Ranches. It was very fun to pick them up. My favorite is the one I put into a ring, it was a very strange specimen to find. The specimens include; moss agate, banded agate, and plume agate. They were slightly hard to find because they kinda look like a regular rock.

During the 2016 CAGMAGS show, we hosted a display case contest. Each month we will highlight a case with the owner giving us the story behind it. This is the forth in the series.



Of interest...

Tiktaalik - A Fish Trying To Get Out of the Water

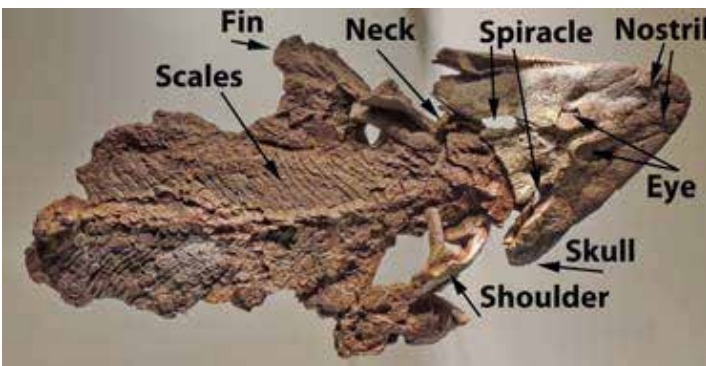
By Neal Immega

Houston Gem and Mineral Society

first published in *The Backbender's Gazette*, April 2014

There is a fossil hidden in the Devonian section of the Houston Museum of Natural Science Paleo Hall that is responsible for nearly everything that is right and WRONG with you. That's right, it is not your fault that you are the way you are, and I am going to make *Tiktaalik* the scapegoat. To find this fossil, go left from the entrance to the Paleo Hall to the Devonian section with the really big armored fish over your head. Straight ahead is a modern lobe-finned fish called a Coelacanth and behind that pillar is where Dr. Bakker hid this very strange fish. By the way, "Tiktaalik" is Inuit for "big, shallow-water fish."

Life in the Devonian was mostly confined to the ocean. The little plants and bugs that colonized the land in the previous period, the Silurian (408-438 mybp*), had evolved into tall plants (100 feet +) and bigger bugs by the Devonian (360-408 mybp). This food source did not go unnoticed. Look at the replica of *Tiktaalik* (or this picture) and you will see that this does not look much like a fish. Let's itemize the features.



Tiktaalik showing some tetrapod features

1. Neck - What is a fish doing with a neck? The experts speculate that a neck would make it EASIER for the fish to snap bugs out of the air. This is the FIRST neck in existence. The shoulder bone connects to the skull in more modern fish. The neck seems to "use up" the space that is normally devoted to gills. This bears on the next two points.

2. Spiracles. On modern rays, sharks, and ray finned fish, the first gill slit is positioned just behind the eye on the top of the head and is called a spiracle. Like all the other gill slits, it allows the fish to respire oxygenated water. This is particularly useful for bottom-hugging fish like rays which rest on their other gill slits. Some modern fish, particularly those that live in shallow, warm water get their oxygen directly by gulping air into their swim bladders. Thus, existence of a spiracle does not indicate that a lung is present.

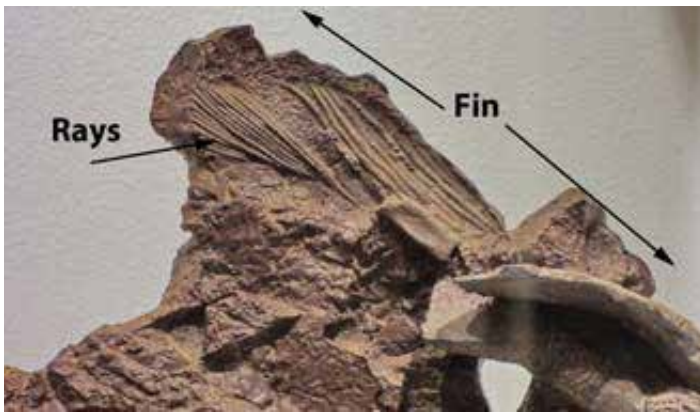
3. Ribs. On the underside where you cannot see them in our display, *Tiktaalik* has a full set of robust ribs which are used to expand the rib cage to suck air into LUNGS! I do not have permission to use the picture of the underside of the specimen, but I provide the Web site address on page 6. I have asked that a mirror be put in the case to show the ribs.

4. Skull - Flat, with the eyes on top like an alligator, indicating that its food comes from above.

5. Scales - It has bony scales like a gar. This is a fish feature.

6. Arms - on other specimens, you could see that the arm bones show a remarkable similarity to the arm bones of EVERY younger vertebrate more advanced than a fish. Consider your arm—a single bone (humerus) connects to the shoulder blade with a ball and socket joint. On its other end, the humerus connects to two bones (radius, ulna) of the forearm, then to a bunch of bones in the hand, and then to five bones of the fingers. As you wander the hall, you will see the same arrangement for amphibians, reptiles, and mammals. Dinosaurs do not follow the five-finger design because they lost fingers as they evolved through time, starting from the little finger. (Remember, *Allosaurus* has three fingers, and *T. rex* has two and a stub.)

7. Fin - You cannot see it on this specimen, but the arm/fins have large muscle attachments so that the fish could just do a pushup, bring its head out of water to feed on bugs, and still be able to breathe with its new LUNGS. The rays you see in the fin make up the paddle and are a fish feature, while the muscle attachments are a tetrapod feature. I cannot find a picture that shows the attachments.



Tiktaalik showing a fishy fin

8. Enamel teeth - Better specimens would reveal that all the lobe-finned fish family from the fishy-looking *Eusthenopteron* (mounted above *Tiktaalik* in the case), the salamander-looking *Tiktaalik*, and the very fishy modern Coelacanth all have enamel on their teeth, as do all the mammals and even the mammal-like reptiles (synapsids) like *Dimetrodon*. Sharks/rays evolved from a different ancestor and do not have enamel on their teeth.

So, here is what is going on:

Lungs: The existence of lungs is a critical point because it allowed the fish to evolve to air-breathing amphibians and those to evolve to reptiles. There is good reason to start breathing air—the oxygen content of air is about 100 times (by volume) that of cold water and even more so of hot water. This means there was a new environmental niche to occupy. So how does a fish grow a lung? They had to use what they already had, which was an esophagus/gut and a capillary-lined protrusion. This sac could be then used as a lung by the fish gulping air into it. WE'RE BREATHING AIR! Evolution can make the arrangement more efficient, in time, with the incorporation of a diverter valve to keep the air and food paths separate. Air breathers like humans will choke if food goes “down the wrong pipe.” Similarly, nasal drainage from a cold drains into your lungs since the air/food diverter valve is almost always in the “open” position to allow you to breathe.

It is not obvious whether lungs or swim bladders came first because they do not fossilize. They differ only in how efficiently they operate. There is some tenuous evidence that the armored fish above your head was using a swim bladder at the same time *Tiktaalik* was evolving a lung.

Swim bladders: A swim bladder CAN act as a lung if it has capillaries on the inside, but it is not the high-performance organ with alveoli that air breathers have. Many adult fish lose the swim bladder's connection to the gut and pump air into it osmotically for buoyancy control. Evolution runs both ways, the modern Coelacanth has turned its lungs back into a swim bladder that is filled with buoyancy-controlling oil.

Pelvis: Our replica is of the front portion of *Tiktaalik*. New material shows that this fish has a pelvis more like a tetrapod (4 feet) than a fish. Reference below.

Consequences. Evolution has to work with what is there, even if that produces difficulties later. Having our air and food intakes as branches off the same pipe—the esophagus—causes us to sometimes choke, and we may die. Any bio-engineer would redesign this with two intakes. Imagine—being able to eat and breath at the same time. Also, we could have had more than five fingers: some of the earliest lobe-finned fish were found with seven or eight (maybe 11) finger-precursors, but only the five-finger precursor line survived. It is all *Tiktaalik*'s fault.

**mybp stands for Million Years Before Present*

References

Youtube video showing spiracles used for water breathing for a stingray

<http://www.youtube.com/watch?v=JLkHSs1-lzM>

Tiktaalik roseae - excellent discussion

<http://tiktaalik.uchicago.edu/meetTik2.html>

Front and Back Sides of *Tiktaalik* from the Nature Article

<http://scienceblogs.com/pharyngula/2006/04/05/tiktaalik-makes-another-gap/>

Excellent book on fish and *Tiktaalik*. “Your inner fish” by Neil Shubin <http://tinyurl.com/kp5cg9l>

Additional specimens reveal a tetrapod-like pelvis, with figures.

<http://www.pnas.org/content/111/3/893>

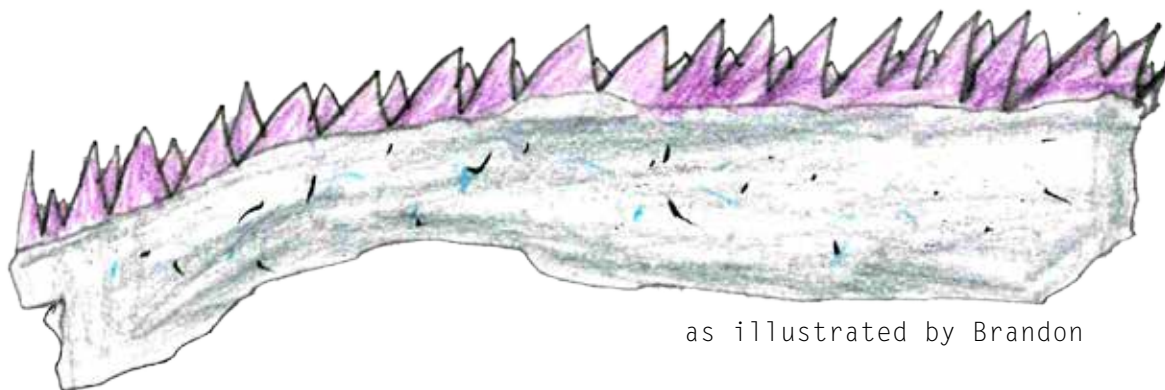
Kids Corner...

Brandon Heck is the Assistant Editor of Arkansas Rockhound News. He is 8 years old and has enjoyed rockhounding since he could walk. In each issue he will share information about minerals that he loves and about his adventures in rockhounding.

Luster: Vitreous
Transparency: Transparent, Translucent
Color: Violet - purple
Streak: White
Hardness: 7
Crystal system: Trigonal

**data collected from mindat.org*

Amethyst



as illustrated by Brandon

Brad's bench tips...

Making Filigree Wire

Making wire for filigree is quite simple. Take a double strand of 24-26 gauge silver wire, twist it tightly, and then flatten it a bit. While the basics are straightforward, here's a few tips that will quickly make you an expert with filigree.

Filigree looks best when the wire has a very tight twist. The way I do this is to start with dead soft wire and twist it until it breaks. It always seems to break on one end or the other. I like to use a screw gun, although a Freedom also works well. Be sure to keep a little tension on the wires as you twist. Then to get a real tight twist, I anneal the wire and twist it a second time until it breaks.

The final step in prepping the filigree wire is to flatten it slightly with a planishing hammer or rolling mill. The amount of flattening is a personal preference. I like to reduce the diameter about 25%. The wire will be quite stiff at this point, so it's best to anneal it again before starting to make the filigree shapes.



See all Brad's jewelry books at [Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)



Collecting fossils in Leslie, AR!



A Warning About Ivory

by John Martin, Conservation and Legislation Chair

American Federation of Mineralogical Societies

The 2017 AFMS Convention and show is being held in Ventura, California in June. An issue has been raised and should be brought to the attention of exhibitors and dealers planning on attending the event. That issue is **IVORY**.

While ivory has been banned for many years by the American Federation of Mineralogical Societies for display in complete exhibits, it has been seen at several shows this last year. While in some states local ivory laws exclude the ownership and sale of fossil and extinct ivory, the state of California in 2015 passed an Ivory Law that became effective in July 2016. The California Ivory Law **bans all ivory**, including fossil and extinct ivory.

If ivory is displayed in California and observed by State officials and/or a Fish and Wildlife Game Warden it may (most probably) be confiscated and citations written to the owner. So if you own ivory, keep it in your homes and out of display in public, and please **do not bring it to California** for the 2017 CFMS/AFMS Convention and show.

More information on state and federal ivory laws may be found on the American Lands Access Association (ALAA) Website, www.amlands.org.

See you at the June AFMS Convention and Show in Ventura, California.

CAGMAGS

2017 Spring Swap

May 6TH

Elder Johnson Pavilion

Burns Park

North Little Rock

9AM – 4PM

Buy, Sell or Trade

Rocks, Minerals, Fossils and other related items
Limited tables available bring your own or tailgate

There is no charge to set up or attend

Take the Military Drive exit off I40, the swap is located next to the visitor center

For more information contact Mike Austen

501-868-4553 or steelpony@aol.com

Upcoming area shows...

April 2017

22-23—DECATUR, ILLINOIS: Annual show; Central Illinois Gem & Mineral club, Progress City; East 6th Progress St , Lester Building; Sat. 9-5, Sun. 10-4; Adults \$5, Seniors \$3, Children free; There will be displays and demonstrators of lapidary, lampwork and silversmithing at the show, as well as vendors showing gemstones, carvings, beads and meteorites - something for everyone. New this year! Home decor and landscaping with rocks! A silent auction will run both days, and there will be a children's area with a fossil dig and treasure hunt. Door prizes are hourly and there is a grand prize awarded at the end of the show. Contact Regina Kapta, 1483 E. Wood, Decatur, IL 62521, (217)-433-9585; e-mail: rmkapta@comcast.net; Web site: <http://rmkapta.wix.com/cigmc/>

22-23—MEMPHIS, TENNESSEE: Annual show; Memphis Archaeological and Geological Society, Memphis International Agricenter; 7777 Walnut Grove Rd. Memphis, TN ; Sat. 9-6, Sun. 10-5; Admission \$5 , Children \$2; Dealers, exhibits, demonstrations, grand and hourly door prizes. Kids area with rockzone featuring gem and fossil dig, geode bowling, and rocks around the clock. Includes "The MAGS Rock Banquet" a table full table of rocks that look like real food. Developed and maintained by the club since 1980. Contact WC McDaniel, 2038 Central Avenue, Memphis, TN 38104, (901)-274-7706; e-mail: info@theearthwideopen.com; Web site: www.theearthwideopen.com

25-27—IRVINE, KENTUCKY: Annual show; Mountain Mushroom Festival, Estell County Schools's Cental Office; 253 Main St., (Parking lot in the rear of building); Tue. 9-4, Wed. 9-4, Thu. 9-4; Admission \$10; All day Kentucky agate hunt. Easy or rough terrain trips each day. Contact Francine Bonny, Irvine City Hall, 101 Chestnut St., Irvine, KY 40336, (606)-723-1233; e-mail: mushroomfestival@irvineonline.com; Web site: www.mountainmushroomfestival.org

28-30—IRVINE, KENTUCKY: Annual show; Mountain Mushroom Festival, Estell County School's Central Office - Gym; 253 Main St., (Enter at the back of the gym); Fri. 9-6, Sat. 9-6, Sun. 10-5; Free Admission; Agates, gems, rocks, fossils, minerals, wire wrap, wire sculpture dealers & demonstrations. Contact Francine Bonny, Irvine City Hall, 101 Chestnut St., Irvine, KY 40336, (606)-723-1233; e-mail: mushroomfestival@irvineonline.com; Web site: www.mountainmushroomfestival.com

28-30—SHENANDOAH THE WOODLANDS, TEXAS: Annual show; Fine Mineral Show, Holiday Inn & Suites Shenandoah The Woodlands; 19333 David Memorial Dr; Fri. 10-6, Sat. 10-6, Sun. 10-5; Free Admission; The April Houston 2017 Fine Mineral Show has changed the location. It will not be held in the Embassy Suites in Houston. The same show has now moved to the Woodlands. Contact Dave Waisman, P.O. Box 8543, Spokane, WA 99203; e-mail: davewais2011@gmail.com; Web site: www.finemineralshow.com

29-30—WACO, TEXAS: Annual show; Waco Gem and Mineral Club, Extraco Events Center Creative Arts Bldg; 4601 Bosque Blvd; Sat. 9-6, Sun. 10-5; Admission \$5, Children 6-12 \$1; Scout and Leaders in Uniform will get in free. Cabochon Contest. Kid's zone with new Game for kids. Numerous vendors and exhibitors to include the Waco Mammoth National Monument. Contact Jennifer Bennett, TX; e-mail: bennettje70@gmail.com; Web site: www.wacogemandmineral.org

30-30—WATERLOO, IOWA: Annual show; Black Hawk Gem and Mineral Society, Waterloo Center for the Arts; 225 Commercial St; Sun. 12-5; Free Admission; Iowa Treasures: Lake Superior Agates.

Many exhibits and demonstrations including flint knapping, silent auctions and more. Many children's activities including fishing pond, pebble pit and fossil casting. Free will donations accepted. Contact Laurie-Ann Crawford, 1044 6th st, Jesup, IA 50648, (319)-939-6132; e-mail: laurie-ann.crawford@hawkeyecollege.edu

May 2017

5-7—MCPHERSON, KANSAS: Annual show; McPherson Gem & Mineral Club, 4-H Building and Grounds; 710 W Woodside; Fri. 9-6, Sat. 9-6, Sun. 10:30-3; Free Admission; McPherson Gem & Mineral Club's 25th Annual Show and Sale. Come browse fossils, gems, minerals, lapidary and handmade jewelry from vendors across the US. Highlights are hourly door prizes, displays, free specimen identification, and kid's spin-n-win. Contact Kim Vasper, 1489 Janasu Road, McPherson, KS 67460, (620)-755-5415; e-mail: kimvasper@yahoo.com

6-6—ARLINGTON, TEXAS: Swap Meet; Arlington Gem and Mineral Club, Arlington Gem and Mineral Club; 1408 Gibbins Road; Sat. 7-3; free; Free swap meet for all rock, gem, and mineral related items. No electrical hookups. Come sell, swap, and buy rough, slabs, finished stones, mineral specimens, tools and equipment, etc. Contact J K Peel, 1408 Gibbins Road, Arlington, TX 76012; e-mail: president@agemclub.org; Web site: www.agemclub.org

6-7—LUBBOCK, TEXAS: Annual show; Lubbock Gem & Mineral Society, Lubbock Memorial Civic Center; 1501 Mac Davis Lane; Sat. 10-6, Sun. 10-5; Adults \$4, Seniors \$3, Students \$2, Children free; 59th Annual show; Lubbock Memorial Civic Center; Vendors with Jewelry, Loose Stones, Rough, Cabs, Slabs, Geodes, Beads, Gemstones, Mineral Specimens, Crystals, Fossils, Spheres, and Lapidary Tools. Hourly door prizes. Drawings for two grand prizes, one for Kids, and one for Adults. Numerous free exhibits and demos and big rocks you can touch! Our kid's area will have games and grab bags, and we will feature displays by our youth. We will have presentations about geology by experts in the field on both days! Contact Walter Beneze, PO Box 6371, Lubbock, TX 79493; e-mail: walt@lubbockgemandmineral.org; Web site: www.lubbockgemandmineral.org

11-14—FRANKLIN, NORTH CAROLINA: Annual show; Damian Belghali, Echo Valley Show Place (across fr GLW); 6456 Sylva Rd ; Thu. 9-5; Free Admission; Wholesale and retail dealers from around the world; variety of minerals, rough rock, fossil and gemstones; open to the public Contact Damian Belgali, IL, (678)-852-8273; e-mail: mbellpoint@gmail.com

12-14—FRANKLIN, NORTH CAROLINA: Annual show; Gem & Mineral Society of Franklin, NC, Carpenter Building; 1288 Georgia Road (US441); Fri. 10-5, Sat. 10-5, Sun. 10-4; Free Admission; Demos, rough and finished goods. Contact Norman Holbert, (828)-634-0350; e-mail: normholbert@comcast.net

12-14—MARIETTA, GEORGIA: Annual show; Georgia Mineral Society, Cobb Civic Center; 548 South Marietta Pkwy., SE; Fri. 10-6, Sat. 10-6, Sun. 12-5; Free Admission; The Georgia Mineral Society's 49th Annual Mother's Day Weekend Gem, Mineral, Jewelry, and Fossil Show. Exciting auction Saturday at 1 pm. Door Prizes! Special Door Prize for Students! Win a Great Prize for Yourself and for Your School! Contact Kathy Wiggins, (770)-375-5907; e-mail: showads@gamineral.org; Web site: www.gamineral.org

13-13—ENID, OKLAHOMA: Annual Rock Swap; Enid Gem & Mineral Society, Meadowlake Park; 1220 West Rupe Street, south entrance, big pavilion; Sat. 9-4; Free Admission; Head to Enid Gem

& Mineral Society's annual Rock Swap for a great day with other rock and gem enthusiasts. You can buy, sell or trade gemstones, rocks, minerals and fossils. This is a great way to add to your collection or to change it up a bit. Shop and swap for a large variety of lapidary items including gemstone jewelry, tools, cabs, slabs and beads. Rough and petrified wood will also be available. For the kids, there will be a Spin and Win and Grab Bags. Come enjoy the day in a nice shady pavilion in a beautiful park setting. Contact Sue Ogden, Enid, OK 73703, (580)-242-7288; e-mail: stormyrocks@suddenlink.net; Web site: www.enidgemandmineral.org

19-21—JOPLIN, MISSOURI: Annual show; Tri-State Gem & Mineral Society, Joplin Museum; 504 Schifferedecker Ave.; Fri. 10-6, Sat. 10-6, Sun. 10-3; Free Admission; Contact Chris Wiseman, (417)-623-1180; e-mail: jmc-cwiseman@sbcglobal.net

27-28—ST. CHARLES, ILLINOIS: Annual show; CGMA (Chicagoland Gem & Minerals Association), Kane County Fairgrounds; 525 S. Randall Road; Sat. 10-6, Sun. 10-5; Adults \$5, Seniors \$3, Students \$3, Children under 13 free; Special exhibits, demonstrations, kids korner, door prizes, and more. Two-day passes available. Cash Only - Free Parking - Air Conditioned - Food available Contact Debby Ballot, 4N605 Snowbird Ct., Campton Hills, IL 60175, (630)-272-8275; e-mail: demarrex1@att.net; Web site: www.cgma.rock

27-28—FORT WORTH, TEXAS: Annual show; Fort Worth Gem and Mineral Club, Fort Worth, TX; Will Rogers Memorial Center, 3401 West Lancaster; Sat. 10-6, Sun. 10-5; Adults \$5, Seniors/ Students \$4, Children under 16 are free; 66th Annual show of the Fort Worth Gem and Mineral Club featuring numerous dealers offering jewelry, gems, minerals, fossils and beads from all over the world. Wheel of Chance and Rock & Fossil Dig for kids. A silent auction, hourly door prizes and a Grand Prize raffle add to the entertaining and educational experience. Contact Steve Hilliard, (817)-925-5760; e-mail: fwgmc@embarqmail.com; Web site: www.fortworthgemandmineralclub.org

HELP!
Send in your:
stories, articles, tips,
photos
suggestions or questions!
Submissions due by the
28th of each month.

On-Line MEMBERSHIP FORM
Central Arkansas Gem, Mineral and Geology Society
Membership Dues: \$15 / year Individual; \$25 / year Family

Make checks payable to: "Central Arkansas Gem, Mineral and Geology Society".

Name: _____ Date _____
Business Name: _____ Birthday: Mo. _____ Day _____
Address: _____ Anniversary: Mo. _____ Day _____
City: _____ State: _____ Zip: _____ Phone No. _____
Cell Phone _____
Email address: _____ Occupation _____

How would you like your Club Newsletter delivered? U.S. Mail _____ Download From Club Web site _____

Editor notifies members by email, with a link, when the Club Newsletter is Posted on the Web site.

Family Members are considered as all of those living at the above address .

Please list their names, Birthday Mo./Day, if applying for a Family Membership.

Because of limited space, only one name will appear on the newsletter mailing label.

How did you hear about our Club?

How long have you been interested in this hobby? _____ Do you have any equipment? _____

I would be interested in Attending _____ Hosting _____ work shop in _____ (subject)
on _____ (day of week)

Please circle your club interests:

Mineralogy Lapidary Fossils Field Trips Geology Carving
Collecting Jewelry Making Casting Silversmithing Beading Wire Wrap

Other _____

Outside Interests: _____

These will be listed in the Membership Directory, so that members can find others with similar interests.

In what areas would you be able to assist the Club:

Social Publicity/Advertising Educational Junior Programs Membership
Annual Show Committee Work Newsletter Articles Mineral Display

Other: _____

What would you like to see the club focus on in the coming year? _____

_____ I do not want my name to appear in the Club Directory.

_____ My name and address can appear, but NOT my Phone Number.

_____ Please do NOT include specifically the following info about me: _____

Please Mail to:

CAGMAGS, c/o Sarah Dodson, P.O. Box 241188, Little Rock, AR 72223



Central Arkansas Gem,
Mineral & Geology Society
PO Box 241188
Little Rock, AR 72223

Spring Rock Swap
May 6th
Burns Park

2017 Meeting Dates

April 25th
May 23rd
June 27th
July 25th
August 22nd
September 26th
October 24th
November 28th

**Note- any changes of
meeting location will be
announced via email and
phone**

Join CAGMAGS!

Membership Dues - \$15 Individual,
\$25 Family (Yearly)

Visit www.centralarrockhound.org
to learn more!