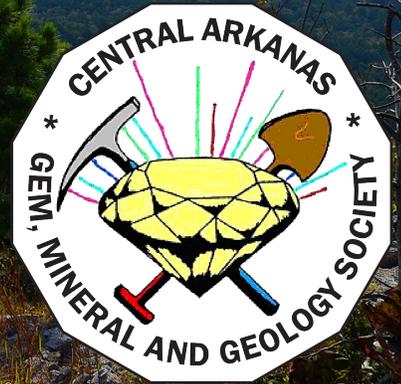


ARKANSAS ROCKHOUND NEWS



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

SEPTEMBER 2017

From the president...



We are just a couple of weeks away from our 45th Annual Gem, Mineral and Fossil Show! The materials have been inventoried and it looks like we are ready for the show. But wait, we need your help. Volunteers will be needed in all areas all weekend. Please be sure to make yourself available to chip in and help us make this year's show the best ever!

John is making the final touches on the table charts, Bill has been working on this year's Display Case winner's plaque, others are planning their displays for 2018 bragging rights and the food has been lined up. It should be a good time. Everyone is invited to the dinner on Saturday evening at the close of the show for the day. Please come and visit with our vendors and other club members and make them feel welcome.

Security is key in an event like this, please while attending the show, keep an extra eye out for our vendors to ensure that they are able to make sales and keep their businesses going. Invite your neighbors and friends!

Club Officers will need to be elected these last 2 months of meetings. Please consider taking a leadership role this coming year, a couple of extra hours each month. We need your help to keep this club going.

See you at the Dig!
Barbara

PS. Sorry for missing the meeting last month. I became ill that morning and went home and slept....totally missed a couple of days

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.

2017 Officers & Committee Chairs

President, Barbara Champagne
501-258-2576, cagmagsprez@gmail.com

Vice President, Holly Elliott
501-831-6233, holly0223@att.net

Secretary, Daniel Butcher
870-834-6516, drbutcher@ualr.edu

Treasurer, Sarah Dodson
501-223-8372, dodsonsr@yahoo.com

Newsletter Editor/Webmaster,
Nikki Heck
501-626-5440, nikkiheck@windstream.net

Show Chair, John Schoeneman
501-679-4531, schoeneman@hughes.net

Swap, Mike Austen
501-868-4553, steelpony@aol.com

Membership, George Gray Major
501-227-7853, ggme625@aristotle.net

Field Trip Coordinator/Library
David Hodge
501-837-6713, dc42hodge@yahoo.com

Sunshine, Anita Gray Major
501-227-7853, ggme625@aristotle.net

Publicity, Virginia Wilhelm
501-821-2440, nevadasmith7777@yahoo.com

Programs, Vacant

Meeting minutes...

July 25, 2017

Submitted by Daniel Butcher, secretary

The July meeting was opened by club President Barbara Champagne, with 26 members present. Before official business began, Geologist Doug Hanson with the Arkansas Geologic Survey gave a presentation on the Jackfork Formation in Little Rock. Many thanks to Doug for coming to our meeting and presenting.

The first order of business was approval the June meetings minutes. The motion was approved by all members. August is auction month. Members are encouraged to bring up to five items each to be auctioned off. John Schoeneman presented the group with an example of the invitation cards for the October show. The invitation cards were well received by group members. The October show still has three of five display cases available to anyone wanting to display some of their minerals, rocks or fossils. Daniel Butcher volunteered to take one of the cases, so two are still available.

Much thanks goes out to Mike and Ann Austen for hosting the July picnic at their home.

The club field trip for August will be Cove Creek in Magnet Cove. Look for information in your emails. Next, a club member made a motion for the club to buy season 2 of Mineral Explorers. The motion was approved by all members. Mike Howard next mentioned that he had written a six page paper on Potash Sulphur Springs that will be available for free download on his website Rockhoundingar.com. Thank you Bill Alcott for donating rocks for the drawing. On a final note, Brandon Heck brought an amazing petrified wood specimen he dug up in Holbrook Arizona. Many thanks for sharing your find.

**Since we did not approve the minutes from July I am leaving these in here. Also, we did not have August minutes as we went straight into the auction.

From the editor...

So, we've finally reached fall, but you wouldn't know it from the temperatures, we warmed back up a bit. One thing fall means for us is that it's almost time for our rock show! We're just a couple of weeks away and there is still plenty to do. I will have a sign up sheet at the meeting with tasks that we need volunteers for - it's all hands on deck for show time! So come out and support the club and visit with rockhounds from around the state and nation.

What do we need help with? I'm glad you asked...

- staffing the front table
- staffing the club table
- staffing the kids dig
- volunteers to put out signs and the banner
- trucks to pick up stuff from storage and return it
- volunteers to help set up and break down
- volunteers to bring desserts
- volunteers to wear their vests and walk the show floor

Also, if you plan on displaying in a case, don't forget a light if you need it, extension cords and a lock!

Finally, we need your help to advertise! Forward this newsletter to anyone you know. Direct folks to the flyer on the website or pick up some flyers at the meeting and hang them around town. Let's beat last years attendance!

So, be thinking about what you can volunteer for, we'll need folks Friday for setup and all day Saturday and Sunday.

HELP!
Send in your:
stories, articles, tips,
photos
suggestions or questions!

Submissions due by the
28th of each month.

AFMS news...

Seeking "Lapidary of the Month" Articles for Rock & Gem Magazine

by Jim Brace-Thompson (October AFMS Newsletter)

Rock & Gem magazine is the officially endorsed hobby magazine of the American Federation of Mineralogical Societies. In other words, it's our magazine! Not only does it contain articles of immediate interest each and every month, it welcomes contributions by each and every one of us to better inform our fellow practitioners in our fun hobby. R&G Managing Editor Lynn Varon notes that one especially popular feature is the "Lapidary of the Month" article submitted by people to highlight some new technique or novel lapidary art that they've mastered and would like to share with their fellow rockhounds. However, the supply of entries for this monthly feature has been drying up in recent months, and Lynn welcomes new articles to keep this feature lively and relevant.

The guidelines are simple: 1) Write a 500-word step-by-step description of how you crafted a particular lapidary project and save it as a document file. 2) Take at least one sharp, close-up, color digital photo of the finished project. (Use high resolution: 300 dpi at 4 inches by 5 inches, minimum.) 3) Attach your document file and digital photo (.tif or .jpg) to an e-mail and send it to editor@rockngem.com with the subject line "Lapidary of the Month." 4) E-mail the editor or call (972) 448-4626 with any questions. Lynn is happy to provide guidance! For an example, see page 8 of the September issue of Rock & Gem, where the Lapidary-of-the-Month article describes how to make drawer pulls and knobs for kitchen cabinets decorated with agate cabs. Let's all help keep our own hobby magazine lively and relevant with projects and techniques that should prove of interest to all of us!

Of interest...

Rainforests and Extinctions: Takeaways from the Zoo and Undergraduate Geology

M. Kellum Tate

When I was a preschooler, our family had a membership at the zoo, and at least once a week we would all pile into my mom's red Chrysler minivan and head to the Birmingham Zoo. The primate house held a number of exhibits, from the grassy gorilla enclosure to the oddly murky baboon playhouse. But the most striking to me was the jungle room, a bright atrium bejeweled with the plumage of tropical birds and the blooms of fantastical flowers, echoing with the raucous screeches of various monkeys swinging from Brazil nut trees and strangler figs.

After my brother and I had had our fill of the animals' antics, we would head into the small antechamber leading off the jungle room and press the big red button under the TV screen. A video of various rainforest sights would play, and my brother and I would sing along to the song—"Living in the tropical rainforest, the tropical rainforest." But just as our feelings of awe for the massive trees and mysterious creatures peaked, the tone of the video changed. The jungle vistas were replaced by scenes of bulldozers rampaging through the virgin jungle, trees falling and burning, capybaras and panthers and birds of paradise fleeing or lying dead.

If the video was a bit heavy-handed, it did its job. As a four-year-old, my biggest concern became the destruction of the rainforests, and I worried about it incessantly. I soon had a new word to put to this thing that I feared: extinction. Once these animals and plants were gone, they were gone. The way things were going, there would soon be no more lions, no more walruses, no more tuna, just as there were no more dodo birds or mammoths or dinosaurs. In my mind, I held a picture of our green and blue and white planet, teeming with endless life and infinite variety, and in juxtaposition I held a picture of my deepest fear: a barren brown ball, floating lifeless

through space, dead, a tomb. The possibility, the perceived likelihood of that future seemed all too real for me.

The specter-earth of my childhood fears continued to haunt me into my adult life, and as global temperatures and sea levels continued to rise and species continued to die off in droves, this nightmare seemed more and more tangible. But then I decided to go back to school to become a geologist. For the first time, I was learning about the history of earth and, thus, the inseparable story of life. And in my first semester, I learned about something called the Permian-Triassic extinction.

252 million years ago, 96% of all marine species vanished irrevocably from the fossil record.

96%. An ocean once teeming with fish, trilobites, ammonites, brachiopods, crinoids, sea scorpions, spiny sharks, corals, and countless other animals and plants essentially emptied itself of life in less than a hundred thousand years. Terrestrial environments did not fair much better, with 70% of land-going vertebrate species disappearing. Even the insect class, which are typically highly intransigent against extinction events, lost around 70% of all constituent species. Also known as the Great Dying, the Permian-Triassic extinction was the largest extinction event of all time.

The Earth, which for almost 290 million years had been teeming with marine life and with terrestrial life for around 243 million, went barren in the blink of a geological eye. In place of the vast diversity of the previous periods, rock layers from the first 10 million years of the Triassic tell a story of ecological desolation. Around 90% of all macroscopic life, including plants, had vanished with the close of the Paleozoic. The most abundant organism of the time was fungus.

Estimates for ecological recovery times from this extinction event range up to 30 million years. It took the same amount of time for the very earliest apes to evolve into modern humans as it took for the earth's ecological diversity to fully recover to its pre-extinction levels.

Other extinctions have occurred in the shadowy halls of geologic time. The famous end-Cretaceous extinction—apocalyptically engendered by an asteroid impact equivalent to 10 billion Hiroshima atom bombs—reduced species diversity by 75%. This recovery took around 10 million years. Three other major extinction events each wiped out at least 70% of all species as well.

But in the recoveries, lies something both incredible and comforting: life always returns. The lifeless rock circling the sun into a forsaken future which I had imagined for so long was just that: an imagining, and not nearly as likely to come to pass as I had once believed. Yes, we are in the middle of the sixth great extinction. Yes, we are the progenitors of this massive die-off. Yes, the longevity of the human race itself is definitely limited. But complex life will not vanish.

I am by no means saying humans should merrily continue with their diversity destroying behavior. Life's long-term resiliency does not decrease the importance and necessity of conservation. However, we know that life survived the Great Dying—an extinction worse than the one caused by the impact of a nine-mile diameter asteroid—and came back with even greater biodiversity than before. If life can survive that, then it will survive us as well.

**Kellum Tate is one of the CAGMAGS scholarship recipients and subitted this article to us for publication.

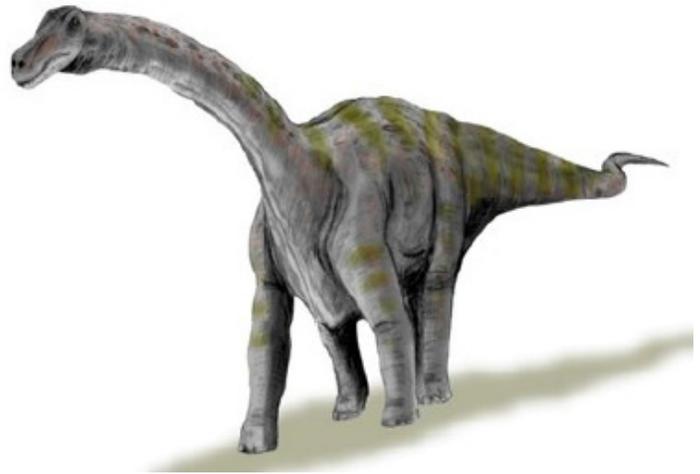
Rare baby dinosaur fossil gives new insight into sauropods

National Science Foundation (published in the September MWF News)

Long-necked sauropod dinosaurs include the largest animals ever to walk on land, but they hatched from eggs no bigger than a soccer ball. A lack of young sauropod fossils, however, has left the earliest lives of these giants shrouded in mystery. Did they require parental care after hatching like some other dinosaurs, or were they self-reliant?

Research funded by the National Science Foundation (NSF) and led by Kristi Curry Rogers of Macalester College in St. Paul, Minnesota, sheds the first light on the life of a young Rapetosaurus, a titanosaurian sauropod buried in the Upper Cretaceous Maevarano Formation of Madagascar.

The findings were published April 21, 2016 in the journal Science.



Drawing of an adult Rapetosaurus krausei by Nobu Tamura (<http://spinops.blogspot.com>), via Wikimedia Commons.

The baby behemoths were active, capable of a wider array of maneuvers than adult members of their species, and didn't need parental care after hatching.

"These scientists employed several lines of evidence to investigate growth strategies in the smallest known post-hatching sauropod dinosaur," said Judy Skog, a program director in NSF's Division of Earth Sciences, which funded the research along with NSF's Division of Environmental Biology.

Skog said the researchers developed tests that could be applied to other perinatal dinosaurs. "It's intriguing that these animals developed quickly to function on their own, much like some birds and herding mammals of today," she said.

The preserved partial skeleton was so small that its bones were originally mistaken for those of a fossil crocodile, said Curry Rogers. "This baby's limbs at birth were built for its later adult mass; as an infant, however, it weighed just a fraction

of its future size,” she added. “This is our first opportunity to explore the life of a sauropod just after hatching, at the earliest stage of its life.”

Along with researchers Megan Whitney of the University of Washington, Mike D’Emic of Adelphi University, and Brian Bagley of the University of Minnesota, the team studied thin sections of the tibia and used a high-powered CT scanner to get a closer look at the microstructures preserved inside the limb bones. The detailed microscopic features of the Rapetosaurus bones revealed patterns similar to those of living animals and made it possible for the scientists to reconstruct the beginning of the dinosaur’s posthatching life.

“We looked at the preserved patterns of blood supply, growth cartilages at the ends of limb bones, and at bone remodeling,” Curry Rogers said. “These features indicate that Rapetosaurus grew as rapidly as a newborn mammal and was only a few weeks old when it died.”

The tiny titanosaur was mobile at hatching and less reliant on parental care than other animals. Baby sauropods like Rapetosaurus were somewhat like miniature adults, Curry Rogers said.

The team also observed microscopic zones deep within the bones. They proved similar to the hatching lines in today’s reptiles, and to neonatal growth lines in extant mammals. The zones indicate the time of hatching in Rapetosaurus, and allowed the scientists to estimate the weight of the newly hatched Rapetosaurus – around 7.7 pounds.

What caused the demise of this baby Rapetosaurus?

Clues came from its cartilage growth plates, which bear a striking resemblance to the modified growth cartilages that occur during starvation among living vertebrates. When taken in the context of the intensely drought-stressed ecosystem represented in the Maevarano Formation, it’s clear that this Rapetosaurus had it rough, Curry Rogers said.

“Between its hatching and death just a few weeks later,” she said, “this baby Rapetosaurus fended for itself in a harsh and unforgiving environment.”

Brad’s bench tips...

Layout Tools

Dimensions on some features of a design can be fluid while others must be accurate for the design to work. When precision on a piece is important, good layout techniques are essential.

These are the tools that I rely upon to get holes in the right place, to achieve correct angles, and to cut pieces the correct length.

I like crisp sharp lines to follow, so I often coat surfaces with a dark marker and scribe my layout lines onto the metal. A square makes quick work of checking right angles or marking where to cut, and the thin center punch helps me mark a place to drill holes exactly where I want them.

Finally, a good set of dividers is probably my favorite layout tool. They let me quickly mark a strip for cutting, swing an arc, and divide a line or curve into as many equal segments as I need. I keep at least one set of dividers in every toolbox.



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

Club news...

ROCKS STAMPS

< TWO GREAT HOBBY TOPICS >
< FOR COLLECTORS OF ALL AGES >
< BOTH HAVE CLUBS IN THE AREA >

CENTRAL ARKANSAS GEM MINERAL & GEOLOGY SOCIETY

MEETS 4TH TUESDAY 6:30-8:30

TERRY LIBRARY

CAGMAGS: www.centralarrockhound.org

PINNACLE STAMP CLUB

MEETS 4TH THURSDAY 6-8

THOMPSON LIBRARY

CONTACT: Ann Austen 868-4553



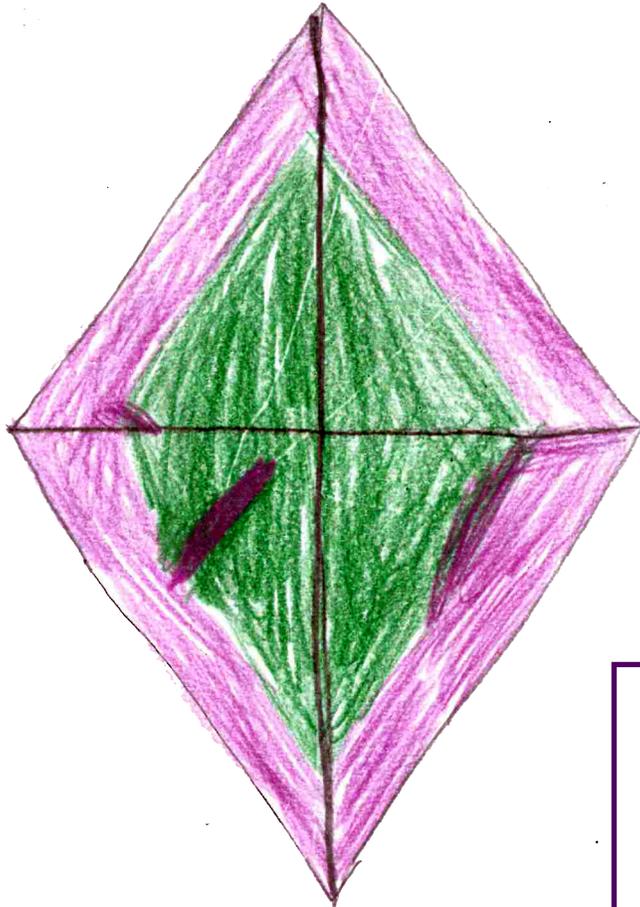
Check out this great display at the Thompson Library! Thanks to Ann Austen for putting it together, what a great promotion for our hobbies!

Kids Corner...

Brandon Heck is the Assistant Editor of Arkansas Rockhound News. He is 9 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.

Alien Fluorite!!!!

as illustrated
by Brandon
Learn more [here!](#)



Luster: Vitreous, Dull
Transparency: Transparent
Color: Purple, lilac, golden-yellow, green, colourless, blue, pink, champagne, brown
Streak: White
Hardness: 4
Crystal system: Isometric

**data collected from mindat.org*

I like things that are more than one color and this is a combination of most colors of fluorite cubes. I myself do not know much about this rock or where it is found and I'm not sure that it comes in the same way in the picture, it might come with green on the outside and purple on the inside.

AUCTION TIME, AUCTION TIME, AUCTION TIME!



photos by Nikki Heck



Upcoming area shows...

September 2017-October 2017

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

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

30-1—OMAHA, NEBRASKA: Annual show; Nebraska Mineral and Gem Club, Westside Middle School; 8601 Arbor St; Sat. 9-6, Sun. 10-5; Adults \$5, Students/Seniors \$3, Children under 12 free with adult; Dealers from several states with fossils, minerals, gems, jewelry and unique gift and collectible items. Demonstrators showing how to make wire wrap jewelry, silversmithing, rock painting, carving and arrowhead making. Displays of lapidary art, jewelry, fossil and mineral collections. Special activities including gem and fossil digs for the kids, rock racing, rock pile, and silent auctions. Show proceeds go to geology scholarships and related activities. Contact Allan or Tammy Jeanneret, 7287 N Rd, Nebraska City, NE 68410, (402)-873-6515; e-mail: tjeanneret@hughes.net; Web site: www.nerockgem.org

30-1—OKLAHOMA CITY, OKLAHOMA: Show and sale; Oklahoma Mineral and Gem Society, Modern Living Building, Oklahoma State Fair ; 3001 General Pershing Blvd., Oklahoma State Fair Grounds; Sat. 9-6, Sun. 10-5; Admission \$6, Children free; Artisan jewelry, gem stones, fossils, crystals, exhibits, tools, rough rocks and slabs, displays and demos, education, and a children's activity area. Contact Jami Poor, P.O. Box 2084, Oklahoma City, OK 73127, (405)-603-6604; e-mail: Pres@omgs-minerals.org; Web site: Omgs-mineral.org

October 2017

13-15—MOUNT IDA, ARKANSAS: Show and sale; Mount Ida Area Chamber of Commerce, Montgomery County Fairgrounds; Fairgrounds Road; Fri. 9-6, Sat. 9-6, Sun. 9-5; Free Admission; 30th Annual Quartz, Quiltz and Craftz, Festival. Free admission and parking. Children's digging contest on Saturday. Crystal, Mineral and food vendors. Contact Kenn Greene Jennifer Sweeney, Mount Ida Area Chamber of Commerce, Mount Ida, AR 71957, (870)-867-2723; e-mail: director@mtidachamber.com; Web site: www.mtidachamber.com

13-15—HUNTSVILLE, ALABAMA: Annual show; Huntsville Gem & Mineral Society, jaycee Community Center; 2180 Airport Road; Fri. 10-6, Sat. 10-6, Sun. 12-5; Adults \$3, Seniors \$2, Students \$1, Children under 5 free; The 50th annual Gem, Jewelry, and Mineral Show, sponsored by the Huntsville Gem & Mineral Society. This is the largest jewelry show in the region, the only rock, mineral and gem show in the region, and a great resource for the school earth science curriculum at all levels.

Offerings: National and International Dealers with every type and quality of gem, finished jewelry (costume to fine), beads, art objects, collector specimens (gems, minerals, rocks, fossils, etc.), lapidary and jewelry materials and supplies. Displays, demonstrations, fluorescent exhibit, geode cracking. Children's gem dig, mining flume, and presentations. Hourly drawings. Contact Lowell Zoller, 3027 Flint Mill Run, Hampton Cove, AL 35763, (256)-534-8803; e-mail: Lzol@comcast.net; Web site: www.huntsvillegms.org.

14-15—TOPEKA, KANSAS: Annual show; Topeka Gem & Mineral Society, KS Expocentre AG Hall; 17th & Topeka Blvd; Sat. 10-6; Admission \$5, Students (13-17) \$1, Children under 13 free; Demonstrators, displays, Jr rockhound activities, dealers with fossils, equipment, rock, geodes and many other items of interest to the lapidarist. Contact Millie Mowry, 1934 SW 30th St, Topeka, KS 66611-1917, (785)-267-2849; e-mail: rock2plate@aol.com; Web site: www.TopekaGMS.org

14-15—SPRINGFIELD, MISSOURI: Annual show; Ozark Mountain Gem & Mineral Society, Springfield Expo Center; 635 East St Louis Street; Sat. 10-5, Sun. 10-4:30; Adults \$6, Students \$3, Children \$1; The Ozark Mountain Gem & Mineral Society are proud to present our 50th Annual Springfield Rock, Gem & Mineral Show at the Springfield Expo Center. There will be rock & mineral specimens, gemstones, jewelry, fossils, grab bags, educational displays, silent auctions & more. This year, to celebrate our 50th Anniversary, there will be very special door prize drawn each day, 15 minutes before closing. All paid Adult admissions will be eligible for the draw. You don't have to be present for the drawing to win. Contact Larry Lillich, 2131 West Republic Road, Box #35, Springfield, MO 65807, (417)-882-8449; e-mail: omgms.57@gmail.com; Web site: <https://www.facebook.com/SGFGemShow>

14-15—TEMPLE, TEXAS: Annual show; Tri-City Gem & Mineral Society, Mayborn Convention Center; 3303 N 3rd St.; Sat. 9-6, Sun. 10-5; \$5, Students \$2, Children Free ; Lapidary rough, minerals, lapidary tools & equipment, beads, and jewelry. Informative displays and games for kids of all ages! Contact Chip Burnette, 2630 Polk St, Killeen, TX 76543, (254)-630-3573; e-mail: burnette@aceweb.com

14-15—TEMPLE, TEXAS: Annual show; Tr-City Gem and Mineral Society, Mayborn Convention Center; 3303 North 3rd St; Sat. 9-6, Sun. 10-5; Adults/Seniors \$5, Students \$2 age 13-17, Children free 12 and under; Come to the two day rock show and learn more about gems, fossils, rocks, and minerals! We will have vendors, fine jewelry, and games for the kids, demonstrations, a silent auction, a Rollin Rock Club meeting, and door prizes! Contact Ruth Rolston, (254)-773-1039; e-mail: lrolston@hotmail.com

14-15—FORT WORTH, TEXAS: Annual show; Cowtown Gem, Mineral & Glass, CERA; 3300 Bryant Irvin Road; Sat. 10-5, Sun. 10-5; Free Admission; Rockfest 2017, combined with "Pottery in the Park" outdoors at CERA. Contact Steve Shearin, (817)-777-1997; e-mail: steve.l.shearin@lmco.com

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

20-22—AUSTIN, TEXAS: Annual show; Austin Gem and Mineral Society, Palmer Events Center; 900 Barton Springs Rd; Fri. 9-6, Sat. 9-6, Sun. 10-5; Adults \$8, Seniors \$7, Students ages 13-18 \$2, Children 12 and under free; Gem & mineral show with vendors of jewelry, beads, gemstones, minerals, crystals, fossils & spheres. Exhibits like the touch table of rocks and fossils and members' collections.

Silent auction Sat & Sun, demos in faceting, cabbing, fossil cleaning, and polymer clay. This year's theme is geodes. For \$1 each Gem Mine, Wheel of Fortune, Jewelry Making, or Illumination Station. Hourly door prizes Sat and Sun. Grand Prize Sun is a geode. Hosted by Austin Gem and Mineral Society (AGMS) a 501(c) (3) organization. Contact Ludy Toles, 6719 Burnet Ln, Austin, TX 78757, (512)-458-9546; e-mail: showchairman@austingemandmineral.org; Web site: www.agms-tx.org

20-22—KNOXVILLE, TENNESSEE: Annual show; Knoxville Gem and Mineral Society, Kerbela Temple; 315 Mimosa Ave; Fri. 10-6, Sat. 10-6, Sun. 11-5; Adults \$6, Children free under 12; The Gem and Mineral Show will have many vendors that offer great products including a wide variety of jewelry, rare fossil and mineral specimens, meteorites, gems of all colors shapes & sizes, lapidary & jewelry equipment, and much more. There will be Kids activities and demonstrations. Contact Teresa Polly, Knoxville Gem and Mineral Society, PO Box 51554, Knoxville, TN 37954; Web site: <http://www.knoxrocks.org>

21-22—DES MOINES, IOWA: Annual show; DMLS - Des Moines Lapidary Society, Iowa State Fairgrounds - Paul R. Knapp Learning Center; E 33rd St; Sat. 9-5, Sun. 10-4; Admission \$5, Children 12 & under free; Gemstones, beads, jewelry, silver, crystals, cabochons, slabs, rough, mineral specimens, fossils, tools, findings, children's activities, demonstrations, displays, and speakers. Contact Ken Belzer, P.O. Box 470, Des Moines, IA 50302; e-mail: DesMoinesLapidarySociety@gmail.com; Web site: <http://dmlapidary.org/OurShow>

27-29—GLEN ROSE, TEXAS: Show and sale; Dallas Paleontological Society, Somervell County Expo Ctr; 202 Bo Gibbs Blvd; Fri. 9-6; Free Admission; Periodic speakers, auction. Contact Mark Randall, 2200 Uecker Drive, Apt 10208, Lewisville, TX 75067, (469)-371-5309; e-mail: markrandall00@sbcglobal.net; Web site: www.dallaspaleo.org

28-29—OKLAHOMA CITY, OKLAHOMA: Annual show; Oklahoma Mineral and Gem Society, Modern Living Oklahoma State Fair Park; 3001 General Pershing Blvd; Sat. 9-6, Sun. 10-5; Adults \$6, Children under 12 free; Artisan jewelry, tools, gemstones, fossils, rough rock, crystals, exhibits, demos, education, children's area and silent auction all day. Visit us on omgs-minerals.org or check us out on Facebook. Contact Scott Cunningham; e-mail: slibacon@aol.com; Web site: omgs-minerals.org

45th ANNUAL GREATER LITTLE ROCK AREA GEM, JEWELRY & MINERAL SHOW

OCTOBER 7 & 8 2017
9 AM TO 5 PM

JACKSONVILLE COMMUNITY CENTER
5 MUNICIPAL DRIVE
JACKSONVILLE ARKANSAS

FREE ADMISSION

25 Dealers

Demonstrations, Hourly Door Prizes,
Kids Dig

Sponsored By

CENTRAL ARKANSAS GEM, MINERAL &
GEOLOGY SOCIETY

CAGMAGS – www.centralarrockhound.org

Show Chairman John Schoeneman

501-679-4531 or schoeneman@hughes.net

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

October 7 & 8 is
the club show!
Spread the word
and sign up to
help!

2017 Meeting Dates

September 26th
October 24th
November 28th

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

Join CAGMAGS!

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Visit www.centralarrockhound.org
to learn more!