

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 2016

From the president...



As summer comes to an end, we have some busy times ahead. Our October show is coming quickly. Please take a moment and sign up on line at to help out at the event. (<http://www.signupgenius.com/go/4090d4faeaa2ba0fe3-greater>)

If you are unable to attend, we ask that you provide a treat or desert for our vendors. They can be dropped off at the Jacksonville Community Center Friday, Saturday or Sunday morning. We really need the extra hands on property for things such as: food and drink runners to the vendors, security duty to roam and keep a keen eye, children's activities, volunteer to watch booths for vendors to make bathroom runs, assist show patrons at the desk to sign up for door prizes, club table, show end breakdown and clean up: you name it, your help would be appreciated.

Field trip on the 3rd weekend, please join us on Miller Mountain for Quartz! Some early practice for those who want to enter the Mt. Ida Crystal dig contest on the 2nd weekend of October.

I also wanted to mention that the club will need to nominate and select Club Officers in the next several months. Your help and commitment is wanted. Please consider accepting a leadership role for the upcoming 2017 year. We will be asking for volunteers outside of the current leadership to form a committee to explore interest in positions and nominations. The club vote will be in November, please make sure that you plan to attend.

Please keep Tom Sharp and John & Angelee Peeler in your prayers: both Tom and John have been dealing with some challenging health issues and serious treatment recently. Please keep them in your thoughts and prayers.

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...

August 23, 2016

Submitted by Lenora Murray, secretary

The August meeting of the club was opened by President Barbara Champagne, with 25 members present. It was voted to accept the minutes as printed in the newsletter. Thank you again to Vice-President Connie Schoeneman for the minutes in the absence of the secretary, Lenora. Since Dodson's were on a Yellowstone vacation, there was no treasurer report.

In old business, David Hodge reported on the August Magnet Cove field trip. The rain didn't dampen spirits, and folks still managed to find shark's teeth. Show chair Tom Sharp mentioned we had a couple new dealers, including Tim O'Brien from Lafayette, La. We will need small specimens for the kid's dig and the spin and win. Please bring them to the next meeting! Virginia Wilhelm passed out show fliers and will get more printed when these are all gone. She encouraged everyone to post them wherever you can! Connie Schoeneman reported that John, show co-chair, found a place to get the post cards to mail printed up. It was voted that John should order the cards so Anne Austen can get them in the mail 10 days before the show. Everyone is encouraged to look for an e-mail invite to "SIGN UP GENIUS" the website where all the club members can sign up to work at the show. PLEASE volunteer – we need lots of help to do this show in October. Barbara or Nikki Heck will send out reminders via email. And last thing about the show—Bill Alcott is in charge of the display case contest. Please contact him if you want a case and didn't sign up already.

The Caroling in the Caverns trip to Blanchard Springs in November was discussed. Members interested in attending need to contact Stephanie Blandin ASAP to get their money to her. She has to order tickets ahead of time. It sounds like a delightfully different field trip on November 26th.

In new business, Mike Austen mentioned a California club wants 'representative' rocks from all 50 states for an upcoming show. He also will be setting up a display at Roosevelt Thompson Library for September—he could use help with this... Lenora had fliers for the Mt. Ida Quartz show the weekend after our show—Oct 14-16.

David Hodge discussed going to Miller Mountain for quartz as the September field trip. We agreed to meet at the mine at 9 AM on Sept. 17. CALL DAVID HODGE if you plan to attend.

For Show and Tell Brandon Heck brought specimens from their recent trip to Colorado. There was amethystine and silver in matrix and other mineral samples from Creed and the gold mine dumps near Tincup. Nikki gave us a short version of the highlights of their trip. (The longer version was in the August newsletter, complete with great pictures.) Then the meeting was adjourned for the auction.

The auction was conducted by Bill Alcott, ably assisted by Barbara Champagne. There was friendly competition for a few items, and lots of laughs on the way to a successful auction. Thanks to a couple generous members the club raised almost \$100 for our general fund. Virginia Wilhelm and Lenora Murray kept the 'books' in the absence of our treasurer. Thanks to all who brought materials and all who bid, successfully or not, for another great auction. And special thanks to our auctioneer Bill Alcott and our president Barbara who kept things organized.

Field trips...

September 17, 2016
Miller Mountain Quartz

Meet at the mine at 9:00am

Please call David Hodge if you plan to attend!

November 26th
Blanchard Springs Caverns

Cave tour (Dripstone Trail) 4:30pm
Caroling in the Caverns 6:00pm

Club news...

Display Case Contest

Greetings, Y'all! Just wanted to touch base with you about the display case contest at the October show. Participation in the display cases has been somewhat limited in the past, but I'm sure you all have some rocks, gems and minerals that you'd like to show off. Here's your chance! This year, we're going to have an actual contest for the best display case. Who's going to decide the winner? Every person that attends the show! I'm going to make up ballots to be handed out at the welcome desk as folks register, and they'll decide which case they like best. What will be their voting criteria? They might like the information provided, or the arrangement of the specimens. They might have an interest in a particular variety of rock, or they might just like all those pretty rocks. At the last door prize drawing, the ballots will be counted and the winner declared. I have a winner's plaque in the works, but if there's other prize ideas out there, I'd like to hear them. I'm also planning to do an article for the newsletter highlighting one of the cases each month. If we end up with more cases than months, I'll do two a month! Right now there are four cases spoken for. If you contact me before the 1st of September to reserve a case, I will build enough to make sure everyone gets one. I just ask that if you reserve one, please use it! For more information, contact me at: Bill Alcott, mrbill@fidmail.com, (501) 231-2030.

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

From the editor...

Yea for fall! Well, sort of, we're getting there! So far fall is shaping up to be very busy. We have so many things going on at home, at work and we have our gem show coming up in October. Something we're very excited about!

I do have some announcements... one being about the show, Barbara mentioned it in her message but it can't hurt to have it in here twice. Go out to the [SignUpGenius](#) page and sign up to volunteer for the show. There are many different areas that we need help with, there is something for everyone! Also, if you're on Facebook, share news about the show, you can link to the CAGMAGS website or post a photo of the flier for the show. Let's make this the best and busiest ever!

Next item. Some road trip opportunities if anyone is interested. Once is an amazing chance to dig some turquoise out in Nevada. I had hoped to get to go but as I said earlier our fall is quite busy and I will not be able to make it. The trip is being put on by Kristy Therrin (California), she is a jewelry and lapidary artist (a fantastic one at that!!) as well as a turquoise prospector and miner. She takes many trips to Nevada and has a good relationship with many of the mine owners. So many people kept asking about where they could go to hound for some turquoise that she decided to put together a "tour." She has both two and three day trips available, all in the Tonopah, Nevada area. The trips include turquoise, white buffalo and variscite mines. You keep all that you find! Check out her website for more information, <http://www.excavade.com/tours>.

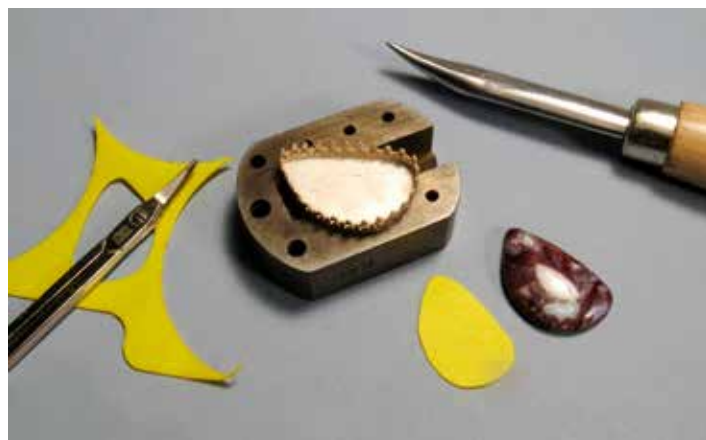
The next road trip opportunity is in South Texas, my friend Teri Smith has some fall hunts scheduled, beginning this weekend! If you're interested in visiting this area (full of awesome agate) let me know and I will forward her email to you, I don't think she has her website calendar updated yet with the new trips. To read about the ranches check out her site, <http://terismithrockhunts.com/>.

Finally, a member note, Roberta Frost sent a message of thanks for the get well card sent to Spud. She says he is doing better. We'll continue to pray for y'all!

Don't forget to send me your news items, photos and stories!

Brad's bench tips...

Raising a Cabochon



When a cabochon sits too low in a bezel, the bezel hides a lot of the stone. The solution is to either sand down the bezel height or boost up the stone. If you're going to raise it up, question is what is the best material to use ?

I was taught to use fine sawdust but now think that might be a problem when used in rings. I reason that rings will frequently get wet, which would cause the sawdust to swell in size and push the stone against the bezel. Then when the sawdust dries out, the stone would be a little loose.

In any case, I now prefer pieces of plastic sheet to boost up my stones. Pieces are readily available from product packaging or from old credit cards. I just cut a piece to loosely fit the bezel and drop in the stone (with some dental floss) to check it's height.

"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" by Brad Smith are available on Amazon.

Of interest...

The Famous Silver Mines of Kongsberg, Norway.

by Dr. Nathalie Brandes
Member of the Houston Gem & Mineral Society
(originally published in the Houston Gem and Mineral Society's *The Backbender's Gazette*, August 2014)

In the summer of 1623, the children of two farmers were tending livestock in rural Norway when they found some rocks that caught their interest. They took the rocks home and showed their parents. One of the fathers recognized these rocks as silver, smelted them, and tried to sell the metal in nearby villages.



One of the many statues in Kongsberg, Norway commemorating its mining heritage. Photo by P. Brandes.

Suspecting that the farmer was selling stolen silver, local authorities arrested him. To secure his release, he revealed where the ore had been discovered. Later that year, the Silver Works at Kongsberg were established, and for the next 335 years they were an important part of Norway's economy and industrial development (Helleberg, 2000).

The city of Kongsberg is located approximately 70 km west southwest of Oslo at 171 m above sea level (Groven and Niklasson, 2005). The area of ore-bearing rock is about 15 km wide, trending along a north-south line for about 30 km (Larsen et al., 2005). The region is located along the transition between the southern and middle boreal forest (Moen et al., 1999). Forest cover of Norway spruce and Scots pine dominates the landscape with ground vegetation that includes heather, bilberry, lingonberry, mosses, and lichens (Groven and Niklasson, 2005).

The oldest bedrock in the Kongsberg area is ~1.6 Ga. Two events of deformation and metamorphism affected the area—the first at



Looking down the River Lågen, Kongsberg, Norway. Photo by P. Brandes.

~1.5–1.6 Ga and the second at 1.1–1.2 Ga (Jacobsen and Heier, 1978). The history of these rocks can be summarized into four basic stages. The oldest rocks began as volcanics with geochemistry similar to island arcs as well as some sediments. These rocks were intruded by gabbros and diorites followed shortly thereafter by the first event of deformation metamorphism. This amphibolite to granulite facies metamorphic event resulted in quartzo-feldspathic gneisses, dioritic gneisses, and amphibolites. Gabbro and dolerite later intruded the rocks. Lastly, the Meheia and Helgevannet granites were emplaced penecontemporaneous to the second event of deformation and metamorphism to amphibolite facies at 1.1-1.2 Ga (Jacobsen, 1975; Jacobsen and Heier, 1978). Ultimately, these events created bedrock consisting of quartz-plagioclase-biotite gneiss, mica and chlorite schist, amphibolite, and granite gneiss (Bugge, 1917; Starmer, 1985).



An example of a fireset drift in the Kongens Gruve (King's Mine). Photo by P. Brandes

The ore deposits at Kongsberg are a five-element-type (Co-Ni-As-Ag-Bi) vein system (Halls and Stumpfl, 1972; Bugge, 1978; Johnsen, 1986; Kissin, 1992; Marshall, 2008). The age of the hydrothermal system that formed the veins has been dated at 265 ± 3 Ma and is genetically related to the Oslo Rift (Ineson et al., 1975; Ihlen, 1986).

Kissin (1988) noted that the elevated heat flow associated with rifts can mobilize formational brines to form five-element-type deposits. The silver in the deposits is derived from the black



The famous Kongsberg Silver from "The Vault" at the Norsk Bergverksmuseum.
Photo by P. Brandes

shales of the Oslo region, which have been calculated to contain more than enough silver to account for the Kongsberg deposits (Frøyland and Segalstad, 1992; Segalstad, 1996; Segalstad and Raade, 2003). The ore formed about 3 to 4 km deep from fluids 200 to 300° C with salinities as high as 35% NaCl equivalent (Segalstad, 1985, 2000; Larsen et al., 2005). The bedrock of the Kongsberg area includes sulphide-rich zones locally known as fahlbands (Gammon, 1966). When the hydrothermal fluids encountered the fahlbands, they chemically reacted and formed the famous silver deposits (Segalstad, 2001). Minerals found in the hydrothermal veins include quartz, pyrite, calcite, baryte, fluorite, galena, sphalerite, chalcopyrite, silver sulphosalts, argentite, native silver, and pyrrhotite. "Coalblende," a bitumen compound likely derived from the Oslo Rift shales, is also found in the veins (Neumann, 1944; Johnsen, 1986, 1987; Bancroft et al., 2001; Segalstad and Raade, 2003).

After the discovery of silver, King Christian IV of Denmark-Norway established the mines in 1623. The following year, the town of Kongsberg was founded on a waterfall of the River Lågen to provide power for the stamp mill and smelter (Helleberg, 2000). At the time, the mining industry in Norway was not well-developed, so miners, engineers, and mining officers were imported from Germany to develop the silver mines (Nynäs and Midttømme, 2007; Helleberg, 2010). Firesetting was used during much of the history of the mining district as the main way to soften and break rock. The first use of black powder for blasting occurred in 1659, but it wasn't until the mid-1700s that blasting was commonly used. Firesetting, however, continued to be used to create horizontal works because of its low cost. The problem of ventilation was solved with the use of an "adit loft," which was created by dividing the adit by wood or brick into a lower level where

the miners worked and an upper level for the smoke. After the use of dynamite was introduced in 1872, firesetting was abandoned, its last recorded use in 1890 (Berg, 2004). The mines were initially dewatered using hand pumps, but waterwheels were soon installed to operate pumps.

Many canals and aqueducts that were used to bring water to power the wheels can still be seen. Steam power and electricity were introduced to the mines in the 1880s (Helleberg, 2000).

For much of the Kongsberg Mining District's history, it was the largest mining operation in Norway (Moen, 1967; Berg, 1998; Helleberg, 2000). As early as the 1600s, the mines offered workers desirable benefits such as sick pay, free medical care, pensions, and primary and secondary schools for children. In 1757, the Norwegian Mining Academy was established in Kongsberg to train mining engineers (Nordrum and Berg, 2004; Nordrum, 2008). The high point of mining in the district occurred in 1770, when 78 mines employed about 4000 workers (Nordrum, 2008). By 1805, however, much of the



The Norsk Bergverksmuseum (Norwegian Mining Museum) in Kongsberg, Norway.
Photo by P. Brandes

best ore had been extracted, and most of the mines closed (Helleberg, 2000). Because the Mining Academy was still located in Kongsberg, in 1811 it was decided to establish Norway's first university in the city. The following year, however, this decision was changed and the university was established in Christiania (Oslo), and the

Mining Academy was closed in 1814 (Nordrum and Berg, 2004). Fortunately, promising ore zones were discovered in 1816, and many mines reopened (Helleberg, 2000). Peak yearly production was achieved from 1915 to 1916 when 13 tonnes of silver were produced (Nordrum, 2008). Despite declining production, mining continued into the 1950s. The last silver from the Kongsberg Mines was smelted in 1958, ending 335 years of operation that extracted 1350 tonnes of silver (Helleberg, 2000; Nordrum, 2008).

The Norsk Bergverksmuseum (Norwegian Mining Museum) in Kongsberg has preserved many artefacts from the mining operations, including them in displays explaining the history of the mining district. In addition, the museum's vault contains hundreds of spectacular wire silver specimens on display. The museum also maintains surface facilities of the Kongens Gruve (King's Mine) and offers an underground tour of the mine via the Christian VII adit.

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The Christian VII adit. Guided tours enter the King's Mine from here. Photo by P. Brandes

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AUCTION FUN!

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.

EMERALD

aka: a variety of Beryl

Luster: Vitreous, Sub-Vitreous, Waxy, Greasy

Transparency: Semitransparent, Opaque

Color: Green

Streak: White

Hardness: 7.5-8

Crystal system: Hexagonal

**data collected from mindat.org*



(Brandon's birthstone, so it's his favorite!)



Some of what Brandon has been working on...a batch of South Texas agates. Currently he is tumbling some Lakers, thanks to Mr. Bill!



The 44th Annual Greater Little Rock
Gem, Mineral & Jewelry Show
October 1st & 2nd, 2016
9:00 AM to 5:00 PM



Jacksonville Community Center

5 Municipal Drive, Jacksonville, Arkansas
(HWY 67/167, Exit 9, Main Street)

Free Admission – Free Parking – Open to Public

Minerals Gem Fossils Jewelry Lapidary Material Beads Kids Dig Door Prizes

Sponsored By:

Central Arkansas Gem, Mineral and Geology Society

Tom Sharp (Dealer Chair) Ph: 501-379-8653 or E-Mail thom61847@yahoo.com

www.centralrockhound.org

Upcoming area shows...

September 2016

9-11—TOLEDO, OHIO: Annual show; Toledo Gem and Rockhound Club, Stranahan Great Hall; 4645 Heatherdowns Blvd; Fri. 2-8, Sat. 10-6, Sun. 11-5; Adults \$5, Seniors/Students \$4.50, Children under 12 free; 45th Annual Jewelry, Gem and Mineral Show hosted by the Toledo Gem and Rockhound Club. The show offers something for the entire family. Offering finished jewelry, beads, gem trees, faceted stones, mineral specimens, fossils, cabochons, tools, carvings, and more. The club will be demonstrating various lapidary techniques such as faceting, beading, and lapidary skills like making a cabochon. The kids will enjoy the children's area featuring games, activities, and free mineral specimens. Members proudly exhibit their craft and collections along with special exhibits from local universities. A selection of rock and mineral specimens will be for sale along with other items. Contact Stephen Shimatzki, 4295 County Rd 16, Woodville, OH 43469, (419)-861-0147; e-mail: sjs132@gmail.com; Web site: <http://www.rockyreader.com>

9-11—WINSTON-SALEM, NORTH CAROLINA: Show and sale; Forsyth Gem and Mineral Club, Educational Building, Fairgrounds; Gate 9 from 27th St.; Fri. 10 -7, Sat. 10 -7, Sun. 12-5; Adults/Seniors \$3, Students grade K - 12th free with adult, Children free with adult; 45th annual show & sale featuring dealers specializing in fine jewelry, gems, fossils, minerals, beads, cutting materials, equipment and supplies. Over 30 educational exhibits. Visit the club corner for geode sales & cutting, grab bags, demonstrations and techniques of mineral identification. Hourly door prize drawings, food and refreshment stand on site. Contact William Marion, 1163 Bear Creek Church Rd., Mocksville, NC 27028; e-mail: mariona1@yadtel.net; Web site: www.forsythgemclub.com

9-11—GREENFIELD, INDIANA: Annual show; 500 Earth Sciences Club, Hancock County 4-H Fairgrounds; 620 N. Apple Street; Fri. 10-7, Sat. 10-7, Sun. 10-4; Free Admission; Dealers and swappers in fossils, minerals, gems and jewelry and lapidary equipment plus silent auctions, door prizes and much more. Kids activities, demonstrations, educational displays and programs for all. Contact Cheryl Hamilton, 3507 Luewan Dr., Indianapolis, IN 46235, (317)-897-3369; e-mail: clhamilton1951@gmail.com

10-11—SILOAM SPRINGS , ARKANSAS: Tailgate swap; Northwest Arkansas Gem and Mineral Society , Northwest Arkansas Gem and Mineral Society Clubhouse; Hwy 43 No. and Lawliss Rd; Sat. 9-5, Sun. 10am-4pm; Free Admission; Gem wash, grab bags, and auction 1pm on Saturday. Contact Dave Leininger , 14029 White Oak Ln, Bentonville, AR 72712, (479)-721-1579; e-mail: hulagrub@aol.com; Web site: www.nwarockhounds.org

10-18—DENVER, COLORADO: Annual show; Eons Expos, LLLP, Denver Coliseum; 4600 Humboldt Street; Daily 9 am-6 pm, Sun. 9 am-5 pm, Daily 9 am-6 pm, Sun. 9 am-5 pm; Admission is Free!; Open 9 am-6 pm every day except Sunday, 9 am-5 pm. Admission is Free; Parking is Free; Come see 250 dealers on both levels of the Denver Coliseum plus in 100 tent spaces outside. It's all here: fine minerals, fossils, meteorites, gems, artisan jewelry, gold, silver, lapidary, beads and rough — split evenly between wholesale and retail. Running from Sept 10 - 18, this is Denver's only weekend-to-weekend show and attracts 18,000 visitors over those nine days. With 2,000 tables covered with earth treasures and free parking for 1,500 cars on the 33 acre complex, this is America's largest mineral, fossil, gem & jewelry show. The low booth fee and aggressive advertising ensures that the show continues to grow 20% annually -- which makes it interesting to visit every year. Meet the cast of the TV show 'Prospectors' who will be at the show selling their finds. Peruse the dinosaurs on display. Ogle museum-quality sculptures in solid blocks of clear quartz. Take home a piece of the Moon. Select specimens found in only one place on Earth, being offered by the mine owner herself. Prices range from just \$1 to \$1 million. Contact Heather Grana, 235 First Avenue, Keyport, NJ 07735, (973) 903-3256; e-mail: Heather@EonsExpos.com; Web site: <http://www.ColiseumShow.com> Contact Lowell Carhart, (804) 291-6357; e-mail: LowellCarhart@yahoo.com; Web site: www.Eons-Expos.com

11-18—DENVER, COLORADO: Wholesale and retail show; Martin Zinn Expositions, L.L.C., Ramada Plaza Denver Central; 4849 Bannock St; Daily 10 -6 , Sun. 10 -5 ; Free Admission; 175 Dealers selling minerals, fossils, meteorites, gems, lapidary products, decorator items, and more. Denver's longest-running satellite show - over 30 years in the same location! Contact Regina Aumente, PO Box 665, Bernalillo, NM 87004, 505-867-0425; e-mail: mzexpos@gmail.com; Web site: www.mzexpos.com

14-17—GOLDEN, COLORADO: Annual show; Fine Mineral Show, Denver Marriott; W. 1717 Denver W. Blvd.; Wed. 10-6, Thu. 10-6, Fri. 10-6, Sat. 10-5; Free Admission. Contact Dave Waisman, (509)-458-2331; e-mail: info@finemineralshow.com

16-18—DENVER, COLORADO: Annual show; Denver Gem and Mineral Council, Denver Mart Expo Hall; 451 E. 58th Avenue; Fri. 9-6, Sat. 10-6, Sun. 10-5; Adults \$6, Students/Seniors \$4, Children under 12 free; Show has minerals, fossils, meteorites, gemstones, cutting material, decorator items, beads, and more. There are about 100 show cases both competitive and non-competitive, plus educational booths. Featured presentations. Free gold panning for the kids. Contact

Lesley Sebol; e-mail: info@denvermineralshow.com; Web site: www.denvermineralshow.com

16-18—LINCOLN, MISSOURI: Annual show; Mozarkite Society of Lincoln, Inc., Lincoln City Park; N. West Ave; Fri. 9-5, Sat. 9-5, Sun. 9-3; Free Admission; Digs for Mozarkite during show. Silent auctions. Contact Kelly Blum, (816)-835-2044; e-mail: mozarkiterocks@gmail.com; Web site: www.Mozarkite.com

16-18—SAN ANTONIO, TEXAS: Wholesale and retail show; Event Show Management, San Antonio Event Center; 8111 Meadow Leaf Drive; Fri. 11-6, Sat. 10-6, Sun. 10-5; Admission \$20; If you are a wholesaler or manufacturer of jewelry, gifts or accessories, then this show is for you! It is your chance to sell in a professional, cash and carry, trade-only marketplace. Space is limited, ensuring greater return on your booth investment with an excellent buyer-to-exhibitor ratio. This event sells out every year and we are anticipating explosive attendance in 2016. So, if you are serious about retail success, then make this golden opportunity an important part of your selling strategy. Contact Ellen Andrus, 1826 N Loop 1604 W Suite 100, Studio 54, San Antonio, TX 78248; e-mail: info@eventshowmanagement.com; Web site: www.parker-tradeshow.com

16-18—ARDEN, NORTH CAROLINA: Annual show; M.A.G.M.A., Camp Stephens; Camp Stephens Boy Scout Camp, Clayton Road; Fri. 9-6; Free Admission; 5th Bi-Annual Asheville, North Carolina Gem, Mineral and Fossil show. Sponsored by Mountain Area Gem and Mineral Association. Numerous indoor and outdoor vendors with a top selection of gems, minerals and fossils from the USA and around the world. Contact Richard Jacquot, PO Box 542, Leicester, NC, (828)-779-4501; e-mail: rick@wncrocks.com; Web site: www.americanrockhound.com

23-25—JOPLIN, MISSOURI: Annual show; Tri-State Gem & Mineral Society, Joplin Museum; 504 Schifferdecker Ave.; Fri. 9-5, Sat. 9-5, Sun. 9-3; Free Admission; 18th annual Fall Rock Show. Door Prizes. Held at the Joplin Museum in Historic Schifferdecker Park. Located at the intersection of 7th street and Schifferdecker Ave. For more information please email, I am deaf. Contact Chris Wiseman; e-mail: jmc-cwiseman@sbcglobal.net

24-25—SOUTH SIOUX CITY , NEBRASKA: Annual show; Siouxland gem and mineral society, South Sioux City Senior Citizens Center; 1501 W 29th St.; Sat. 9-4, Sun. 10-4; Free Admission; There will be exhibits, gems, agates, rough and polished specimens, beads, geodes, minerals, superb faceted jewelry, fossils, door prizes, spin the wheel, and a silent auction. Contact Bob Powell, Box 278, Kingsley, IA 51028, (712)-378 2775; e-mail: bobphyl.powell@gmail.com

September 2016-October 2016

30-1—NASHVILLE, INDIANA: Show; Brown County Rock & Mineral Club, Brown County Historical Society; 90 E. Gould Street; Fri. 10-6, Sat. 10-6; Free Admission; Brown County Rock Show & Swap Meet at the History Center in historic downtown Nashville, Indiana. Contact Rhonda Dunn, P O Box 2023, Nashville, IN 47448; e-mail: radunn1953@aol.com; Web site: <http://browncountyrocks.webs.com/>

30-2—INDIANAPOLIS, INDIANA: Annual show; Treasures Of The Earth Gem & Jewelry Shows, Indiana State Fairgrounds - Ag/Horticulture Bldg.; 1202 East 38th Street; Fri. 10 am-6 pm, Sat. 10 am-6 pm, Sun. 11 am-5 pm; Adults \$5 (Good all 3 days), Children Under age 16 free when accompanied by an adult; Jewelry makers, goldsmiths and silver-smiths 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. Note the Fairgrounds charges \$5 per day for parking. Contact Van Wimmer, Sr. - Show Director, 5273 Bradshaw Road, Salem, VA 24153, (540) 384-6047; e-mail: van@toteshows.com; Web site: www.toteshows.com

30-2—ALBUQUERQUE, NEW MEXICO: Annual show; Jay Penn, NM Expo State Fairgrounds; 300 San Pedro NE; Fri. 9 -5, Sat. 9 -5, Sun. 9-5; Free Admission; Abq. Fall Gem, Mineral & Jewelry Show in Creative Arts Bldg. at Expo NM State Fairgrounds. Enter Gate 3 @ San Pedro & Copper. 60+ dealers, gemstones, mineral specimens, rough, slabs, jewelry, beads, cabochons, fossils, tools. Contact Jay Penn, (505)-883-4195; e-mail: jaypenn246@gmail.com; Web site: www.abqfallshow.wix.com/abq-fall-show

October 2016

1-2—SPRINGFIELD, ILLINOIS: Annual show; Lincoln Orbit Earth Science Society, Orr Building; Illinois State Fairgrounds, 801 E. Sangamon Ave; Sat. 10-6, Sun. 10-5; Adults \$2, Seniors \$1, Children free admission; Gem, mineral, fossil and jewelry dealers. Demonstrations include lapidary, jewelry, glass fusion and silversmith. Special exhibit and club member exhibits. Kid's activities include kids-only specimen table, spin and win, fossil dig, touch-and-feel collection. Concessions available, silent auction and hourly door prizes. Contact Ed Wagner, PO Box 2272, Springfield, IL 61705, (309)-838-7782; e-mail: loesseditor@gmail.com; Web site: www.loess.org

1-2—JACKSONVILLE, ARKANSAS: Annual show; Greater Little Rock Area Mineral, Fossil & Gem Show, Jacksonville Community Center; 5 Municipal Center Drive; Sat. 9-5, Sun. 9-5; Free Admission; 44th Annual Show. There will be bargains to high end minerals. Kids activities and demonstrations. Lots of Jewelry available, as well. Contact Tom Sharp, 14705 Chambery Drive, Little Rock, AR 72211-5528, (501)-379-8653; e-mail: thom61847@yahoo.com; Web site: www.centralrockhound.org

1-2—OMAHA, NEBRASKA: Annual show; Nebraska Mineral and Gem Club, Westside Middle School; 8601 Arbor St; Sat. 9-6, Sun. 10-5; Adults \$5, Seniors/Students \$3, Children 12 and under free; Dealers and demonstrations, special displays and exhibits, activities for all ages especially the kids. Check out the gemstones and custom jewelry, collectibles and specimens, custom artwork, rock paintings and carvings. See a flint knapper in action. Contact Tammy Jeanneret, 7287 N Rd, Nebraska City, NE 68410, (402)-873-6515; e-mail: Tjeanneret@hughes.net; Web site: www.Nerockgem.org

7-8—MOUNT IDA, ARKANSAS: Annual Amateur World Championship Quartz Crystal Digging Contest; Mount Ida Area Chamber of Commerce, Montgomery County Fairgrounds; Fairgrounds Rd; Fri. 9-4, Sat. 9-4; Admission \$75/\$100; Annual Amateur Quartz Crystal Digging Contest. Keep all you find, meet other miners; maybe even win a prize! Contact Sherrie Ellison, Mount Ida Area Chamber of Commerce, Mount Ida, AR 71957, (870)-867-2723; e-mail: director@mountidachamber.com; Web site: www.mountidachamber.com

7-9—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, Students \$2, Children under 5 free; National dealers showing gems of all types and prices, minerals, rocks, fossils, beads, carvings, and lapidary supplies. Children's activities include mining flume, gem dig, fluorescent room, geode cracking, and special events. 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

7-9—MOUNT IDA, ARKANSAS: Annual show; Mount Ida Area Chamber of Commerce, Montgomery County Fairgrounds; Fairgrounds Rd; Fri. 9-6, Sat. 9-6, Sun. 10-5; Free Admission; Annual Quartz, Quiltz and Craftz Festival. Inside and outside dealers. Held in conjunction with the Annual Amateur World Championship Quartz Crystal Digging Contest. Contact Sherrie Ellison, Mount Ida Chamber of Commerce, Hwy 270 West, Mount Ida, AR 71957, (870)-867-2723; e-mail: director@mtidachamber.com; Web site: www.mtidachamber.com

8-9—TEMPLE, TEXAS: Annual show; Tri-City Gem and Mineral Society, Mayborn Center; 3303 North 3rd; Sat. 9-5, Sun. 10-5; Adults \$5, Children \$2; Treasure wheel, silent auction, grab bags, and demonstrations. Contact Chip Burnette, 2630 Polk St, Killeen, TX 76543; e-mail: burnette@aceweb.com

14-16—FORT WAYNE, INDIANA: Annual show; Three Rivers Gem and Mineral Society, Allen County Fairgrounds; 2726 Carroll Rd.; Fri. 10-6, Sat. 10-6, Sun. 11-5; Adults \$5, Seniors \$3, Students \$1, Children free; Gem, fossil, mineral and jewelry dealers, lapidary arts demonstrations. Viking Knit classes, geode cracker, gem sluice, kid's games, door prizes, silent auction, fluorescent room and more. Contact Russell Greim, (260)-403-0450; e-mail: 3riversshow@gmail.com; Web site: www.bit.do/3rivers-show

14-16—FRANKLIN, NORTH CAROLINA: Show and sale; Gem & Mineral Society of Franklin, NC, Robert C. Carpenter Community Building; 1288 Georgia Road; Fri. 10-6, Sat. 10-6, Sun. 11-4; Adults/Seniors \$2, Students \$1, Children under 12 free; There will be door prizes, demonstrations, and benchwork on site. Finished jewelry (gold & silver), rough & cut gemstones, specimens, beads, minerals, and tools. Contact Linda Harbuck, 425 Porter Street, Franklin, NC 28734, (800)-336-7829; e-mail: lindah@franklin-chamber.com; Web site: www.visitfranklinnc.com

14-16—KNOXVILLE, TENNESSEE: Annual show; Knoxville Gem and Mineral Society, Kerbela Temple; 315 Mimosa Ave; Fri. 10-6, Sat. 10-6, Sun. 11-5; Adults \$5.00, Children under 12 free; The Gem, Mineral and Jewelry 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. There will be kid's activities and demonstrations. Contact Teresa Polly, PO Box 51554, Knoxville, TN 37950-1554, (865)-258-0795; e-mail: teresapolly@bellsouth.net; Web site: www.knoxrocks.org

14-16—WESTWEGO, LOUISIANA: Annual show; Gem & Mineral Society of Louisiana, Inc., The Alario Center; 2000 Segnette Blvd.; Fri. 10-6, Sat. 10-6, Sun. 10-4; Adults: \$6 for 3 day pass, Students: \$3 w/ID for 3 day pass, Children under 12 free; Special displays of fluorescent minerals, dinosaur bones and cabochons made from ballast stones. Demonstrations of cabochon cutting, jewelry making, and oil exploration with seismic data. Free grab bags for kids, and they each can polish their own cabochon. Contact J. David Cope, 5520 Hurst Street, New Orleans, LA 70115-4245, (504)-214-6754; e-mail: greatmre@aol.com

15-16—CHICAGO HEIGHTS, ILLINOIS: Annual show; South Suburban Earth Science Club, Prairie State College; 202 S. Halsted St; Sat. 10-5, Sun. 10-5; Free Admission; South Suburban Earth Science Club. The South Suburban Earth Sci-

ence Club is eager to share their experience and knowledge of Earth's treasures with you! The weekend show, held in the Prairie Room Gym area, will have displays of minerals, fossils, artifacts, and jewelry making to name just a few. Come and enjoy the demonstrations on various aspects of the hobby. Purchase items, such as handmade jewelry, crystals, fossils, geodes, etc., from our dealers. There will be something of interest for all age groups including a children's activity area. Contact Helen Funk, 174 Westwood Dr., Park Forest, IL 60466, (708)-747-3536; e-mail: ssescus@yahoo.com

15-16—TOPEKA, KANSAS: Annual show; Topeka Gem & Mineral Society, Inc., Agricultural Hall @ Kansas Expocentre; 17th & Topeka Boulevard; Sat. 10-6, Sun. 10-5; Adults \$5, Students ages 13-17 \$1, Children under 13 free; This is our: Diamond Jubilee has many Facets, 60th celebration. Featuring the 6.20 carat Stockton Diamond, found at Crater of Diamonds, Ark., in the early 1980's. Seminars daily. Also, gem, mineral and fossil specimens and jewelry dealers. Lapidary demonstrations, wire wrapping, children's activities including pebble pile and grab bag. Contact Donna Stockton, 1934 SW 30th St., Topeka, KS 66611-1934, (913)-645-7677; e-mail: Rock2plate@aol.com; Web site: www.topekagemandmineral.org

15-16—DES MOINES, IOWA: Annual show; Des Moines Lapidary Society, Paul Knapp Animal Learning Center; Iowa State Fair Grounds; Sat. 9-5, Sun. 10-4; Admission \$5, Children under 12 free; Gemstones, beads, jewelry, silver, crystals, cabochons, slabs, rough, mineral specimens, fossils, tools, findings, displays demonstrations, children's activities, silent auctions, door prizes, speakers. Contact Karen Liebold; e-mail: leibolddsm@mchsi.com

15-16—SPRINGFIELD, MISSOURI: Annual show; Ozark Mountain Gem & Mineral Society, Springfield Expo Center; 635 East St Louis Street; Sat. 10-5, Sun. 11-4:30; Adults \$6, Students \$3, Children \$1; We are proud to present our 49th Annual Springfield Rock, Gem & Mineral Show. There will be rock & mineral specimens, gemstones, jewelry, fossils, grab bags, educational displays, silent auctions & more. Dr Gary Michelfelder of Missouri State University will be giving a presentation at 1:30pm each day. On 10/15 the presentation will be "What is the Real Risk of an Eruption at Yellowstone?" and on 10/16, "Volcanoes, Mountains and Gold: The Volcanic History of the Mogollon Datil Volcanic Field, New Mexico". 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/>

21-23—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, Children ages 13-18 \$2 / 12 and under free; Gem & mineral show vendors of jewelry, beads, gemstones, minerals, crystals, fossils & spheres. Exhibits like the touch table of rocks and fossils and member collections. Demos in faceting, cabbing, fossil cleaning, and polymer clay. Fri "Youth Education Day" w/field trips. For \$1 each Gem Mine, Wheel of Fortune, Jewelry Making, or Illumination Station. Hourly door prizes Sat and Sun. Grand Prize Sun Fluorite specimen from Bingham, NM. Contact Chip Burnette, 6719 Burnet Ln, Austin, TX 78757, (512)-458-9546; e-mail: showchairman@austingemandmineral.org; Web site: www.gemcapers.com

22-23—CUYAHOGA FALLS, OHIO: Show and sale; Summit Lapidary Club and Akron Mineral Society, Emidio and Sons Expo Center; 48 East Bath Rd; Sat. 10-6, Sun. 10-5; Adults \$5, Students/Seniors \$4, Children \$1; 40th Anniversary Celebration. Children Activities - make a gem tree, visit our gem mine and look through the giant kaleidoscope. And back by popular demand our Children's Treasure Hunt. Magnificent Ohio flint displays, Members work displays, demos all day, Geo Junior displays, Gem ID, geode cracking, polishing and faceting and much more. 30 Dealers with gemstones, beads and findings, minerals, rocks / slabs, fossils, lapidary equipment, silver work, wire wrap, gold findings. Contact Sandy Shorter, 244 Chestnut Blvd, Cuyahoga Falls, OH 44221, (330)-929-3798; e-mail: gemboree@outlook.com; Web site: www.lapidaryclubofohio.org

29-30—OKLAHOMA CITY, OKLAHOMA: Annual show; Oklahoma Mineral and Gem Society, Modern Living Building; 3001 General Pershing Blvd, Oklahoma State Fairgrounds; Sat. 10-6, Sun. 10-6; Admission \$6, Children under 12 free with adult; On-going demonstrations of wire waving, stone cabochon making, rock tumbling, wire wrapping, beading, engraving, sphere making, and more. Contact Teresa Gabrish, P.O. Box 54973, Oklahoma City, OK 73154; e-mail: tgabrish@gmail.com; Web site: www.OMGS.Org

29-30—EVANSVILLE, INDIANA: Annual show; Evansville Lapidary Society, Washington Square Mall; 501 Washington Ave.; Sat. 10-7, Sun. 12-5; Free Admission; 50th Annual Show held by the Evansville Lapidary Society. Vendors with crystals, fossils, minerals, beads, jewelry, geodes, carvings, specimens, cutting rough, faceted stones, posters, books, cabochons, tumbled stones, gems, meteorites, knives, opals, pearls, and slabs. Also featuring this year a fluorescent tent display, arrowhead and artifact exhibits, rock grinding demonstrations, door prizes, silent auction, raffle table, junior rockhound booth, and a free tumbled stone for the kids. Contact Sara Rappee, 413 North Park Dr., Evansville, IN 47710, (812)-589-3079; e-mail: sararappee@yahoo.com; Web site: <http://evansvillelapidarysociety.tumblr.com>

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

Look for photos
from our picnic/
swap at the
Austen's in the
next newsletter!

2016 Meeting Dates

September 27th

October 25th

November 22nd

**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!