

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

SUMMER 2017

From the president...



While summer is coming to an end, I hope that everyone has had the chance to enjoy. Fall is full of activity, because there are many opportunities to enjoy our cool streams, warm breezes and minerals, gems and rocks from the earth. Go out and find your lucky rock. Regardless if you find it in Arkansas, Texas, Tennessee, and Colorado or in the Austen's rock pile, they are all special.

Our club show is coming quick. Please consider volunteering to help out. Everyone is needed to make the show a success. Connie is working on getting the web-site that we used last year for sign-up. If you have a demonstration, presentation, or can teach a small group, we need you. This is an opportunity to be involved...we always need security. Please come out and lend a hand. There are still a couple of display cases available, if you are interested contact Bill A. This is for Bragging Rights!

Club officer's elections will be in November, if you have not had an opportunity to hold an office, please consider it. We will be looking for nominees for each office in October: President, Vice President, Treasurer, Secretary, Program Coordinator, Sunshine Committee, New Letter Editor, Webmaster.... If you have a couple of hours each month, your leadership is needed.

August is Auction Month!!! Bring your allowance and each person is allowed and encouraged to bring up to 5 items to be auctioned. Come get lucky and take a chance in our bidding extravaganza!

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.

2017 Officers & Committee Chairs

President, Barbara Champagne
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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.

Safety Matters - Going it Alone

*Ellery Borow, AFMS Safety Chair, May 2017
AFMS Newsletter*

Going it alone, getting away from it all, escaping the concrete canyons, taking a hike, or just goin' rockin', we are a traveling hobby. Unless one does a good deal of mail order, we go to the rocks instead of their traveling to us.

A friend of mine enjoys going it alone while looking for the yellow metal. He enjoys using his metal detector in the remote high country of California. His preference is to go where no man has gone before -- or at least no one has gone in a long, long time. When I ask him of his adventures he often mentions "incidents". Those "incidents" have raised the hair on the back of my neck on several occasions. I know it's none of my business, but as a safety minded person, I feel obliged to express my concern about his desire to go it alone. "No problem", he assures me.

While young men may think themselves indestructible, I have other thoughts on the matter-- and this friend of mine is not young. So using that story as a lead-in, here are some thoughts on goin' rockin' alone:

1. Keep the folks or friends or relatives or someone you trust apprised of your travel plans - roads, trails, time tables, details. If one is going up mountain, mention which trail. Many areas have several trails all going to the same place, yet offer different starting points. It is not a good idea to tell folks you are going one place and not bother to tell them that you have changed your mind and will instead, at the last minute, go someplace different. Periodic contact with the folks back home is a good safety idea and will go a long way in reassuring them of your well-being!

2. Have a fully charged cell phone and, if possible, an extra batter or way of charging the phone in the wilds and woolies. Keep checking your bars (not the ones along the highway, but the ones on your phone) for reception and be aware that there are many areas where there will be no bars (of either kind) to be found.

3. Bring sufficient water times two. It is often the case that, when working in a hot pit, one drinks more (or should drink more).

4. Have maps with you, the kinds that do not require a battery. Learn how to use the maps! There is a good deal of useful information on them.

5. Have a first aid kit and your meds with you - not back in the truck which is parked a good (or not so good) five miles away.

6. Have and utilize good clothing, footwear and safety gear including snake bite proof boots, bug powder, sun screen goggles, survival gear, flash light or whatever one thinks is appropriate to the conditions...and speaking of conditions...

7. Mind the weather as conditions can change rather suddenly.

8. Have a plan B (and C, D and E) as the conditions and situations warrant.

9. Take rest breaks before you are tired, not after. The same goes for drinking water. Drink before you are thirsty, feeling thirsty means you are already dehydrating.

10. Have food with you. To save carrying weight, there are numerous energy foods and power bars available.

11. There are perhaps 11 million other safety rules, think OSHA and MSHA, so just keep in mind the ones most germane to the going-it-along place you are heading.

Numerous safety and survival guides are available. You might find a great many practical and useful ideas in them.

Yes, I can hear eyes rolling loudly and comments of "Yes dear", and "Yes mother" with the above point; but my yellow metal digging friend is still with us, no more "incidents" have been mentioned to me - so maybe what I mentioned to him is working.

Please be safe. Your being safe is, I suspect, important to more folks than you might realize.

Of interest...

The True Magnitude of Geology—My Field Camp Experience

Jason Ronza

Introduction

It has been a privilege to study in Arkansas, but the true magnitude of geology is difficult to grasp on this side of the country. By traveling to the Rocky Mountains for field camp, I have been afforded the opportunity to see things that really put this arm of science into perspective. The trip started with the arduous drive across the Great Plains, but no one wants to hear about that...



High dune. *Photo by Jason Ronza*

Great Sand Dunes National Park

We arrived at Great Sand Dunes National Park (GSDNP) on Tuesday, July 11 after studying basalts at the Rio Pueblo de Taos Gorge in New Mexico. GSDNP is located in the San Luis Basin (SLB) of south-central Colorado and features a 30 square mile dune field that flanks the western edge of the Sangre de Cristo Mountains. After mapping the crest and profile of a small reverse dune, several of us set out to hike High Dune, one of the tallest dunes in North America. High Dune is 700 feet from base to crest, which is comparable to Pinnacle Mountain. How did this much sand end up at the base of the Rocky Mountains? During the Pliocene, the vast Lake Alamosa dried up, exposing the SLB. Since then, southwesterly winds scouring the SLB have been unable to carry their burden over the Sangre de

Cristo Mountains and have left behind 700-foot-high dunes.



The painted wall. *Photo by Jason Ronza*

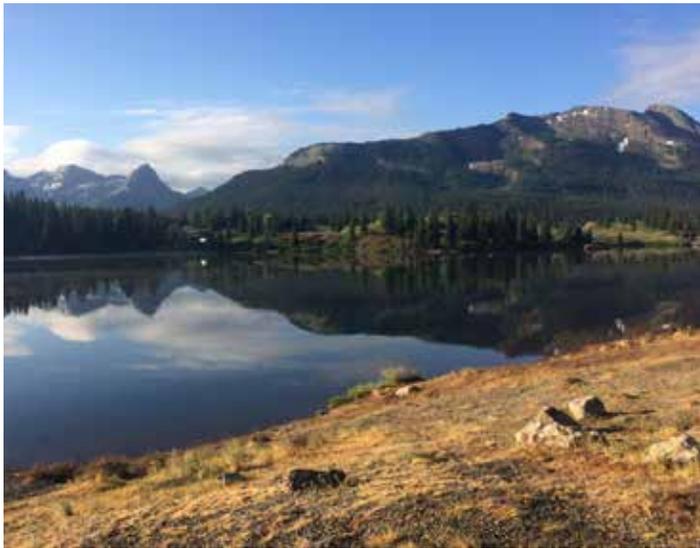
Black Canyon of the Gunnison National Park

After two days at GSDNP, we made our way to Black Canyon of the Gunnison National Park (BCGNP). The Black Canyon may not be the deepest or longest canyon in the Western U.S., but it certainly keeps the sun out with its narrowness and steepness. The igneous and metamorphic rocks that form the walls of the Black Canyon are over a billion years old. The Gunnison River has worked very hard to chisel through these hard rocks, the power of which can be clearly seen at the 2,250-foot Painted Wall, Colorado's largest cliff.

San Juan Mountains

The remaining two weeks were spent at the Molas Lake Campground in the San Juan Mountains. This rugged mountain range is a smorgasbord of geology. It has everything a geologist could dream of, including Proterozoic igneous and metamorphic rocks, Paleozoic and Mesozoic sedimentary rocks, Tertiary volcanic rocks, and even Quaternary black bears (as one group discovered). The most interesting of the three project areas was Lime Creek, which is located about 15 miles south of Silverton. The creek flows through a series of "kinked" beds of quartzite and slate. In cross-section, these beds are tightly folded and extend hundreds of meters below the surface. Beneath this is the even larger Twilight Gneiss. These rocks make up the 4,000-foot-high peaks of the West Needle

Mountains, which rise immediately east of Lime Creek. The reason they tower so high above younger rock units is explained by faulting—faulting that has created thousands of feet of offset as I so keenly read repeatedly.



Molas Lake. Photo by Jason Ronza

La Plata Peak

At 14,336 feet, La Plata Peak (Spanish for “silver”) is Colorado’s fifth highest summit. It is located halfway between Twin Lakes and Independence Pass in the mighty Sawatch Range. Climbing La Plata Peak was by no means a requirement for field camp, and in fact was tackled alone after separating from the group in Durango. Roadside Geology of Colorado by Felicie Williams and Halka Chronic designates the area as Early Proterozoic granite, which appeared true for the most part; the rocks were phaneritic and contained mica, quartz, and phenocrysts of feldspar several inches in length. At about 13,000 feet, the rocks quickly transitioned from granite to gneiss, but the most interesting find was the chert at the very top, indicating that this land over 14,000 feet above sea level was once part of a shallow ocean. During my descent, I witnessed something a little frightening. Before reaching the trees, I thought I heard a loud clap of thunder, but suddenly realized it was a bus-sized boulder rocketing down the slopes of the adjacent mountain. It took a couple small trees out on its way down and finally came to rest in a large grove of aspens, but that did not stop me from hurrying back to my car. What a way to end field camp!

Club news...

Display cases for the October Show

Bill Alcott

We’ve still got a few cases available for the October show. Now’s the time to get one reserved and start planning to earn bragging rights for the next year! Contact me at (501) 231-2030 or at mrbill@fidmail.com to get on the list before they’re all gone.

From the editor...

Well Fall is upon us. We have been blessed with cooler than normal temperatures and even some rain. Hopefully this weather has allowed many of you to travel and maybe do some rockhounding along the way.

We had an excellent summer adventure, crossing 17 states in 22 days. And you better believe that we hauled back plenty of rocks! We are still sorting through our finds and finding ones we didn’t even know we had. Well, I am anyway. Have you ever tried to pick up rocks at the beach? It’s a challenge to beat the waves to some of them so there was a lot of snatching and poking them in my sack before grabbing for the next one. Who needs to stand there and high grade them? The waves did win a few times, and boy were they cold!

We have some great articles and pictures in this issue. Thank you so much to everyone who sent photos and articles. The more you contribute the more we will all get out of the newsletter each month! A special thanks to Jason Ronza for his piece and photos about field camp. Jason was one of our scholarship winners this year. I know we all enjoy hearing about their experiences at camp and we love to see the beautiful sights. Thank you Jason for contributing this month.

We’re nearing our show time also, please be planning to volunteer your time at the show. Brandon and I have enjoyed helping out so much over the last few years, we’ve made so many new friends. I hope to see you all there!

Of interest...

You might find this interesting.....

J. Michael Howard

What we find ingrained in scientific literature is sometimes not true, and very few realize something is not right and/or make an attempt to correct it. It continues to be there, both in literature and in oral tradition and is thus carried on into the future, because someone told us so or we read it from an "authoritative" source.

My example: Contained within clear quartz crystals from Arkansas are various black grains, called by different authors: graphite, carbon, manganese, etc.... yet none of these identifications readily fit the hydrothermal environment of normal vein systems. Granted carbon has been identified in Herkimer diamonds, but here in Arkansas the hydrothermal veins of the Ouachita Mountains are not that of a dolostone-hosted pocket environment.

So what is this stuff that forms black/blue phantoms and scattered grains within Arkansas quartz?

I took several of these included crystals that had broken terminations, and crushed them, hand picking out the strongly included zones for chemical study. Analysis revealed the primary black component is composed of aluminum silicates...clay. Black clay seems unusual, but when you realize that shale is composed of black clay, and is ubiquitous throughout the Ouachita Mountain system, both in Arkansas and Oklahoma, then it is not a strange finding. Faulting produced open zones in both sandstone and shale units for vein systems to form, and subsequent later faulting ground the rocks in places into powder. As hydrothermal waters passed through these open systems, clay was swept up and transported along. Where open pockets were present, this clay was sometimes dropped into the pockets, often settling on the backside of already formed crystals and onto faces of crystals in some pockets where the water movement was so slow the clay could settle out. I have examined microscopically many of these black grains suspended in clear crystal and black phantoms and I find no crystal structure to the grains, only granular surfaces on the particle surfaces.

Given below are a couple of images that show this material. **Image 1** displays linear "voids" in the plane of focus, along with scattered shale grains **Image 2** displays several sized shale grains and spots, the larger of which appears to be within a crystalline "void" in the quartz. Magnification is ~30X. The "voids" are actually fluid-filled holes, filled with salty water near the composition of the original hydrothermal fluid. Hopefully these observations and thoughts will be enough to clear up this "mystery".

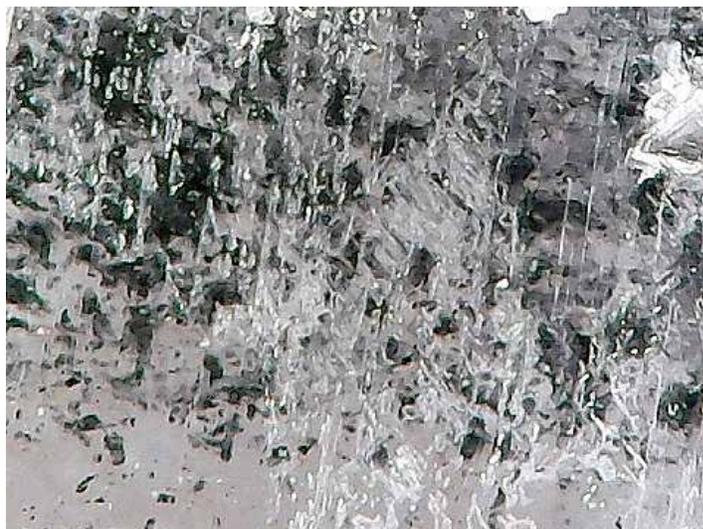


Image 1 - submitted by J. Michael Howard

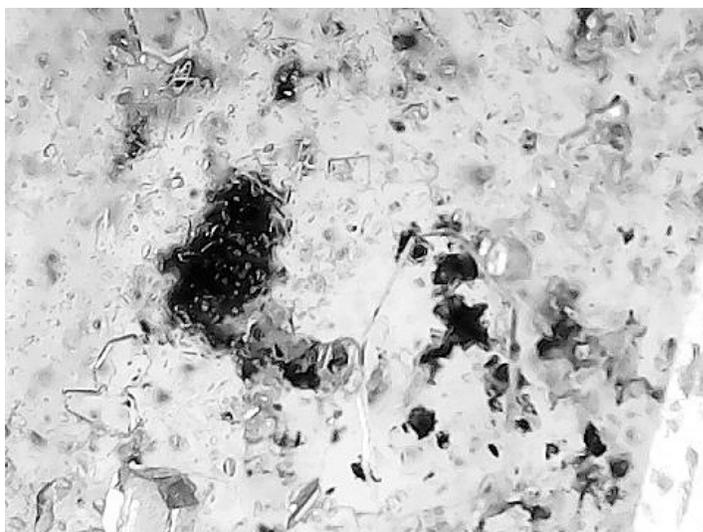


Image 2 - submitted by J. Michael Howard

Brad's bench tips...

Fancy rivet heads

For a nice looking rivet head, use brass escutcheon pins. You'll have perfectly rounded heads that are all the same size and shape. The pins are a little hard to find, so try the best hardware stores first. Be sure to get solid brass pins, not brass plated steel. If unsure, test them with a magnet.



The pins are readily available online. Lee Valley Tools has them in 14 - 18 gauge and lengths from 1/4 inch to 1 inch. Go to <http://www.LeeValley.com> and do an item search on "brass escutcheon pin"

For best results, select a drill that gives you a hole with a close fit to the rivet. Trim the rivet to a leave a little less than one diameter sticking out the back side. Place the head on a scrap of hard plastic on the anvil so as to not flatten the head. I prefer a ball peen hammer (with a small 3/8 inch ball) for setting the rivet.

Drill breakage

Using a small drill is difficult for a beginner, especially if it is hand held in a flexshaft or Dremel. They are easily broken if you push too hard or if you tilt the drill while it's in the hole.

Most problems, however, are the result of buying cheap drills that suffer from poor quality steel or inaccurately ground cutting edges. A good drill from jewelry supply companies is well worth the price.

Remember that drilling always goes easier with lubrication. A little wax or oil is all you need. Almost anything will work - Three and One, beeswax, mineral oil, injection wax, car oil, olive oil, or one of the commercial cutting waxes. The lubricant helps to move chips out of the hole and reduces friction of the drill against the side of the hole, keeping the drill cooler.

Find the balance point

With odd-shaped pendants or earrings it's often difficult to find the right place to attach a bail or loop so that the piece is balanced and hangs straight. A quick way to make a tool for this is to modify a set of tweezers. Any set of tweezers will work. Spread the tips, sharpen them with a file, and bend the tips at a right angle to point towards each other. To use the tool suspend the pendant or earring between two sharp points to see how it will hang.



See all Brad's jewelry books at Amazon.com/author/bradfordsmith

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!

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.

Tube Agate

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



Tube agate is a type of agate. It has tiny tubes that formed in it. Sometimes they have inclusions or are just filled in with silica and sometimes they are hollow.

Luster: Waxy, Dull
Transparency: Translucent, opaque
Color: colorless, gray, red, white, any color due to embedded minerals
Streak: White
Hardness: 6.5 - 7
Crystal system: Trigonal

**data collected from mindat.org*

Summer picnic photos...



photo by Mary Mulkey



photo by Nikki Heck



photo by Nikki Heck



photo by Mary Mulkey



photo by Mary Mulkey



photo by Brandon Heck



photo by Nikki Heck

Thank you Mike and Ann for hosting us!



photo by Brandon Heck

Upcoming area shows...

August 2017

11-13—DALTON, GEORGIA: Annual show; Dalton Gem and Mineral Jewelry Show, Northwest Georgia Trade and Convention Center; 2211 Dug Gap Battle Rd.; Fri. 2-7, Sat. 10-6, Sun. 11-5; Adults \$4, Children free under 17; Join us for the 26th Annual Dalton Gem and Mineral Jewelry Show! We will have vendors from all across the USA who will have some of the finest gems, minerals, jewelry, beads, pearls and fossils! Custom work and repairs will also be available. We will have door prizes daily as well as a grand door prize! Come check us out!; Contact Mohammad Tahir, PO Box 4046, Dalton, GA 30719, (706)-537-8960; e-mail: tahir1269@yahoo.com; Web site: <https://www.facebook.com/pg/daltongemandmineraljewelryshow>

12-13—SAN ANTONIO, TEXAS: Show; Peppers Gems, Crystal Mystic; 4703 Shavano Oak, Ste.100; Sat. 11-6, Sun. 12-5; Free Admission; The Amateur Rock, Gem and Jewelry Show is put on by local people. There will be minerals, fossils, meteorites, gems, jewelry, lapidary instructions and metaphysical stones. ; Contact Sam Rogers, 14835 Willow Moss Street, San Antonio, TX 78232, (210)-240-7721; e-mail: jspeck2@att.net

12-13—GONZALES, LOUISIANA: Annual show; Baton Rouge Gem & Mineral Society , Lamar Dixon Expo Center Trademart Building; 9039 S St. Landry Ave; Sat. 10-5, Sun. 10-5; Adults \$5, Children \$3; Demonstrations: Cabbing, Faceting, Wire wrapping, and more... Door Prizes all day Silent auctions going on both days Scouts and educational groups are welcome. ; Contact Wanda Gawarecki, LA; e-mail: mercymom3@gmail.com; Web site: www.brgemandmineral.org

18-19—TAHLEQUAH, OKLAHOMA: Annual show; Tahlequah Rock & Mineral Society, Tahlequah Community Bldg.; 300 W. First St.; Fri. 9-6, Sat. 9-5; Adults \$3, Children free; Wide range of vendors with rocks, minerals, fossils, jewelry, crafts featuring the previous. Children's games and activities. Educational displays and booths. Demonstrations. Silent Auction and Snack Bar. ; Contact Sara Brasel, P. O. Box 932, Tahlequah, OK 74465, Tahlequah, OK 74465; e-mail: rockhoundsally@aol.com

19-20—BOSSIER CITY, LOUISIANA: Annual show; Arklatex Gem & Mineral Society, Bossier Civic Center; 620 Benton Rd.; Sat. 10-6, Sun. 10-5; Admission \$4; The Ark-La-Tex Gem and Mineral Society will host their 42nd Annual Gem and Mineral Show. Parking is free at Bossier Civic Center and refreshments will be available for purchase. Vendors at the show will be selling custom and unique jewelry, gems and minerals including amethysts, emeralds, jade, pearls, fossils and more. Educational programs will include: exhibits by society members; demonstrations on how to convert a rough mineral into a piece of wearable or displayable jewelry or art; making cabochons from rough slabs; a step-by-step guide to the process of faceting; how-to instruction on the use of equipment; presentations on "knapping," the ancient art of arrow-head making, and more. Door prizes will be awarded hourly throughout the event. ; Contact Del Glasner, Benton, LA; e-mail: larockclub@gmail.com; Web site: www.larockclub.com

26-27—JASPER, TEXAS: Annual show; Pine Country Gem & Mineral Society, The Event Center; 6258 Highway 190 West; Sat. 9-5, Sun. 10-5; Adults/Seniors \$3, Students/Children free; Exhibits, door prizes, silent auction, grand prize raffle, spinning wheel, lapidary demonstrations. ; contact Jonetta Nash, 737 FM 254 South, Jasper, TX 75951, (409)-384-3974; e-mail: jonetta.nash@yahoo.com; Web site: www.pinecountry-gms.org

26-27—MOUNTAIN HOME, ARKANSAS: Annual show; Ozark Earth Science Club, Baxter County Fairgrounds; 1507 Fairgrounds Drive; Sat. 9-6, Sun. 9-4; Admission \$4, Children 12 & under free; The Ozark Earth Science Club is sponsoring it's annual show this year at the Baxter County Fairgrounds. Wide variety of dealers selling gems, minerals, fossils, unique crafts & jewelry, kids games, demonstrations, speakers, Silent auction, free hourly door prizes, Grand prize drawing, Live radio broadcast with Treasure Chest on Sat., Geodes/cracking. Concession will be available and provided by the Clarkridge Fire Dept. ; Contact Sharon Waddell, (417)-274-8712; Web site: www.ozarkearthscience.com

September 2017

9-10—SILOAM SPRINGS , ARKANSAS: Annual Fall Swap; Northwest Arkansas Gem and Mineral Society, Siloam Springs; Hwy 43 North and Lawlis Road; Sat. 9-5, Sun. 10-4; Free Admission; Contact Dave Leininger, 14029 White Oak Lane, Bentonville, AR 72712, (479)-721-1579; e-mail: hulagrub@aol.com; Web site: www.nwarockhounds.org

15-17—LINCOLN, MISSOURI: Annual show; Mozarkite Society of Lincoln Mo, Inc., Lincoln City Park; 2 blocks east of Casey's; Fri. 9-5, Sat. 9-5, Sun. 9-5; Free Admission; Silent Auctions conducted daily with proceeds for local scholarships. Public digs for Mozarkite during the show.; Contact Pat Monahan, (660)-826-1129; e-mail: Mozarkiterocks@gmail.com; Web site: www.Mozarkite.com

22-24—JOPLIN, MISSOURI: Annual show; Tri-State Gem & Mineral Society, Joplin Historical & Mineral Museum; 504 S. Shifferdecker Ave.; Fri. 10-6, Sat. 10-6, Sun. 10-3; Free Admission; 19th annual Rock-A-Thon Gem and Mineral Show. Free Admission. Door Prizes. Hosted at the Joplin Historical & Mineral Museum, in Joplin's Schifferdecker Park.; Contact Chris Wiseman, (417)-623-1180; e-mail: jmc-cwiseman@sbcglobal.net

GEM, MINERAL, & FOSSIL SHOW

August 26 & 27 2017
Sat. 9am-6pm Sun. 9am-4pm

**Baxter County Fairgrounds
1507 Fairgrounds Drive
Mountain Home, AR. 72653**

Gems, Minerals, Fossils, Displays,
Kids games, Demonstrations,
Geodes/cracking, unique jewelry,
Hourly door Prizes, Grand prize
drawing, KTLO live radio broadcast
Sat. Concession available & provided by
the Clarkridge Fire Dept.



**Admission: \$4. Kids 12 yrs. & under
and Scouts in uniform FREE!**
(Bring in this flyer and get \$1. off admission).

Sponsored by: OZARK EARTH SCIENCE CLUB
www.ozarkearthscience.com

For more information call 417-274-8712



Rocks Rocks Rocks

Agates - Jaspers - Petrified Wood

All at or below market price!

Jim and Ruth Williams have decided to drastically reduce their inventory of rocks that they have collected over the past 20+ years and will be selling them this coming Labor Day weekend at their farm Southwest of Stillwater.

There will be rocks and petrified wood from most of the Western states. Some is nearly impossible to collect any more. Some of the locations are now closed to rock collectors.

To get to the farm, Go West from Stillwater on Hwy 51 to the Coyle Rd. From I-35 North, go East on Hwy 51 to the Coyle Rd., then South six miles to 92nd Rd.

From the Tulsa area, go West on Hwy 33 to the Coyle Rd (just before the second Cimarron River Bridge). From OKC, Take I-35 North to Hwy 33, then East to the Coyle Rd just past the Cimarron River Bridge. Go North on Coyle Rd., 3 miles to 92nd Rd.

From the Coyle Rd, go one mile West on 92nd, then 1/3 mile South on Meridian Rd. Be advised that Jim and Ruth live on country roads. One steep hill and two one-lane bridges on 92nd Rd.

GPS address: 9605 S. Meridian Rd, Coyle, Oklahoma 73027 Tele: 405-466-2643

This is a sale that many have been asking for. Dealers will be welcome. Most of the material will be priced approximately by the pound since we do not have certified scales. Please, cash or checks only - No Credit cards. All sales are final and first come-first served. Don't be left out.

Remember Labor Day Week-end September 2-3-4!



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

August is
Auction month!
Don't forget
your items and
money!

2017 Meeting Dates

August 22nd
September 26th
October 24th
November 28th

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

25th Annual Gems, Minerals, Jewelry & Fossil Show and Sale

Treasures of the Earth

Friday, Aug 18, 2017
3:00pm - 8:00pm

Saturday, Aug 19, 2017
10:00am - 6:00pm

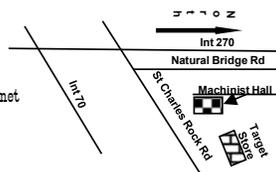
Sunday, August 20, 2017
11:00am - 5:00pm

Donations: Adults - \$5.00, Seniors - \$4.00, (62 & up), Juniors - \$2.00, (6-17)
Children 5 & under free when accompanied by adult. All Scouts and Leaders in uniform admitted free.

National Dealers (Gems, Fossils, Minerals, Jewelry, Beads and Gifts)
Youth Booth, Demonstrations, Exhibits and Gem & Mineral Club Information

Sponsored By
Greater St. Louis Association of Earth Science Clubs, Inc.

For more information contact:
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