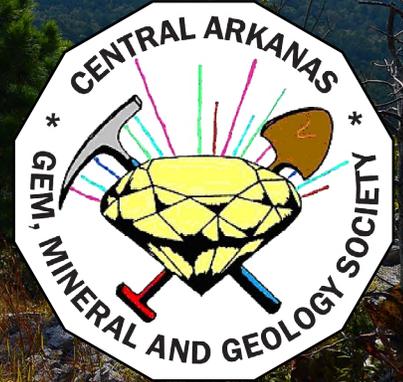


ARKANSAS ROCKHOUND NEWS



MAY 2017

MISSION STATEMENT

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

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

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

Terry Library is located at:

2015 Napa Valley Dr.
Little Rock, Arkansas
72212

From the president...



Summer is here, the heat is on and the vacation plans are made. I hope that this summer brings lots of rock adventures to everyone. Always remember safety, we want you back in 1 piece with stories to tell.

The Spring Swap was fun. There were a good showing of vendors swapping beads, jewelry, rock, and mineral specimens. I picked up some prize pieces that I will cherish for years to come. Maybe someday, I will return them to a 'swap' and pass them on to some other lucky rockhound. We also had 6 new members join our club: Joseph Emmel, Greg & Stephanie Ferguson, Pam Papich, Pat Judd, and Peggy Waddell: WELCOME!

The Boy Scout program went well, we had 14 Scouts from ages 11 to 17 attend the Merit Badge program. I would really like to see us offer this at the Club show in October for an opportunity for more scouts to be able to learn about Geology and appreciate all the field has to offer. There were a number of young men who have intentions of going into the Earth Sciences programs which was encouraging. They were a great group who was very energetic and engaging. I also had the pleasure instructing one of our new members. It was a pleasure!

Mike Howard WILL BE speaking at our next meeting. He is very informative and has fascinating stories, please try to attend.

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...

April 25, 2017

Submitted by Daniel Butcher, secretary

The March meeting was opened by club President Barbara Champagne, with 22 members present. The first order of business was confirmation that everyone received a newsletter. Everyone present confirmed that they had received their newsletter. Next came a move to approve the minutes from the March meeting. This motion was approved by all members. A discussion of future events followed; the rock swap will be on May 6 at Burns Park and the Boy Scouts of Quapaw University meeting will be held at the University of Arkansas Little Rock campus on May 13. Barbara mentioned that the show in Memphis was about the same size as last year, 2600, with Saturday being the busiest day. The meeting about clubs allowing other clubs to attend field trips was unproductive due to insurance and federation rules. That concluded old business.

The clubs Field Trip chair David Hodge confirmed that we would be going to Magnet Cove to search for minerals in Cove Creek. We need to bring food, shovels, river shoes, buckets, towels, dry clothes, screens and any specialty gear that might help remove material from the floor of the creek. The field trip will take place on May 20.

Mike Howard then addressed the group about a recent trip he had made to attend a show in Kentucky. He said that it was about 50% larger than our show and also mentioned that it was a great show, great experience. Kentucky Agate was one of the featured minerals at the event, Mike mentioned, as he showed the group a book focused specifically on Kentucky Agate. He related that the book had great photographs and he brought it to donate to the clubs library. Club Librarian David Hodge accepted the donation. In closing comments, Mike mentioned that he will be giving a lecture about micro-mounts at the next club meeting on May 23.

Club membership chair George Gray Major

announced that only 38 members had paid their yearly dues. Anyone wanting to make the list of payed members would need to contact him in the next couple of weeks.

From here, a discussion about our access to mines developed. Mike Howard mentioned that we should all get MSHA Certified. MSHA stands for Mine Safety and Health Administration. Daniel Butcher volunteered to contact MSHA before the next meeting and get information on becoming certified. Mike mentioned that being certified will help our chances at getting in the mines.

Mike Austin mentioned that other groups are having success with social media platforms like Facebook and that we need to start being more active in this area. Daniel Butcher pledged to be more active with CAGMAG's Facebook group post as soon as finals were over.

At this point, the meeting was adjourned and the annual auction began. Mike Austin was the auctioneer and Bill Alcott assisted with presentation. Many fine specimens were auctioned off at bargain prices.

From the editor...

Another month has gone by, how is that possible? Brandon will be out of school soon and vacations will start! Where will you be going? We'll be headed to sunny (I hope) California. If you have any places that we should visit (it doesn't have to be a place to rockhound, but that would be great) please let me know!

In this newsletter I have a little bit of everthing, an interesting piece from our national society, an update on the federal lands issue and a new mineral discovery. If you run across anything that you think would be of interest to the membership, please pass it along to me and I'll add it to the newsletter. I do have some cool news to share, but I'll wait until the next newsletter since I just now learned about it. Ha! Don't forget to send me your photos and articles for the next issue!

ALAA news...

President signs Executive Order requiring Review of National Monuments

from April-June 2017 issue of the American Lands Access Assoc., Inc. newsletter

On April 26, 2017, President Trump signed an Executive Order (EO) requiring the review of National Monument Designations.

What the Executive Order does do:

The Executive Order directs the Department of the Interior to review monuments designated using the Antiquities Act as of January 1, 1996, that are in excess of 100,000 acres, or monuments that were expanded without adequate public outreach and coordination with relevant stakeholders.

This Executive Order restores trust between local communities and Washington and roots out abuses of power by previous administrations. This Executive Order puts America and the Department of the Interior back on track to manage our federal lands in accordance to traditional "multiple-use" philosophy by directing the Secretary of the Interior to make recommendations to the President on whether a monument should be rescinded, resized in order to better manage our federal lands.

This Executive Order gives rural communities across America a voice and restores land use planning by directing the Secretary of the Interior to consult and coordinate with the Governors of States affected by monument designations or other relevant officials of affected State, Tribal, and local governments.

What the Executive Order doesn't do:

This Executive Order does NOT strip any monument of a designation.

This Executive Order does NOT loosen any environmental or conservation regulations on any land or marine areas.

The Executive Order may be read [here](#).

Of interest...

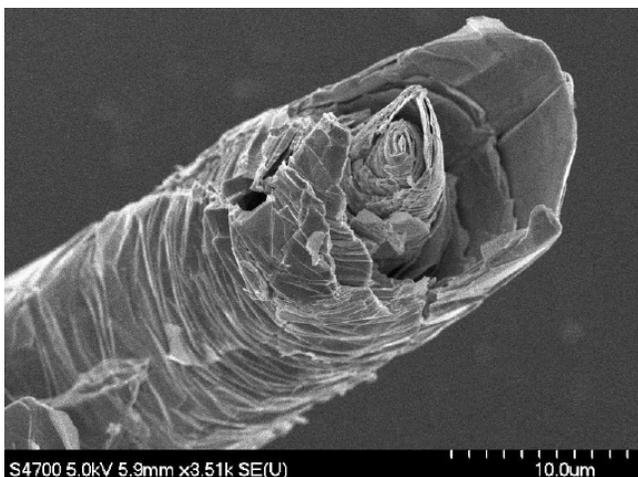
PHYSICIST FROM MICHIGAN TECH LEADS IN DISCOVERY OF NEW MINERAL, MERELANIITE

*Allison Mills, Michigan Technological University
Published in the April 2017 MWF News*

A team led by a physicist from Michigan Technological University has discovered a new mineral, named for the region in Tanzania where it comes from.

John Jaszczak, a professor of physics, knew that something was very unusual about the mineral specimen he was examining under the microscope of a Raman spectrometer in the basement of Fisher Hall at Michigan Tech.

On a hunch, Jaszczak decided to look into it further. The diagnostic studies with Raman spectrometry and scanning electron microscopy showed a layered structure rich in molybdenum, lead and sulfur that may be a new mineral. Now, Jaszczak and the team he pulled together can confirm that gut feeling: The tiny, silvery, cylindrical whiskers are indeed a new mineral—merelaniite. The journal *Minerals* (DOI:10.3390/min6040115) published the team's findings this week.



A close-up view of merelaniite. Photo by John Jaszczak; used by permission.

Detailed chemical and physical analyses of merelaniite – a member of the cylindrite group – revealed a neatly stacked layered structure with sheets rolled in scrolls like tobacco in a cigar.

These tiny whiskers, which to the naked eye look like very fine hairs on other larger crystals, have probably been regularly cleaned off their host rocks containing other more recognizable minerals that occur at the famous gem mines near Merelani, Tanzania.

“Minerals have a natural wow factor, and while we use many of them daily without thinking twice, some specimens are truly art,” Jaszczak says, adding that minerals like the gems tanzanite and tsavorite, which come from the same mines as merelaniite, can be more eye-catching. But it doesn't negate the value of less showy minerals.

“Minerals also have an internal beauty in their crystal structures and in the way that influences their properties,” he explains. “Learning about minerals with unique crystal structures grants insight into the nature of matter, and sometimes leads to new human-made materials, their inspiration comes from natural sources.”

In the age of global communication, it's no wonder that teasing apart the anatomy of merelaniite took a team from around the world. Most mineral discoveries start with boots on the ground – or, rather, below the ground. The Merelani mining district is a well-known locale, not only for prized tanzanite and tsavorite, but also for hosting a suite of other minerals increasingly prized by mineral collectors. Jaszczak has written numerous articles on the subject, including a study on sulfides from the region.

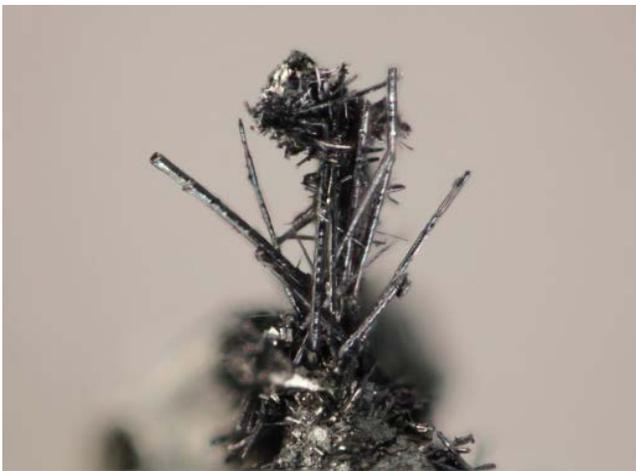
“The Merelani district has been famous since the late 1960s for . . . tanzanite, but this is really a mineral collector's paradise and an exciting place to look for new minerals,” says Jaszczak, who has co-authored three other papers on the district's minerals. “The importance of the area is the reason we wanted to give tribute to the miners and name merelaniite for the district.”

There are 5,179 minerals listed by the International Mineralogical Association, and their Commission on New Minerals, Nomenclature and Classification (CNMNC) receives more than 80 proposals each year for new ones. Many turn out to be variations of existing minerals. To

discern the new from the variable, mineralogists and physicists put samples through a battery of rigorous tests, particularly to discern their chemistry and crystal structure.

“It is one thing to find a mineral that is probably new; it is quite another thing to be able to perform all of the required analyses to satisfy the CNMNC for approval of its status and a new name,” Jaszczak says.

Although Raman spectroscopy gave Jaszczak the first hard evidence that the mineral may be new, more work needed to be done. Because merelaniite is composed of two different kinds of layers at the atomic scale, and because



High-resolution image of merelaniite. Photo by John Jaszczak; used by permission.

they curve to form cylinders with a scroll-like structure, it was particularly difficult to determine the fundamental crystallographic parameters. The chemistry of the new mineral was also a challenge to determine with precision. For both of these challenges, Jaszczak needed additional help.

Jaszczak teamed up with Mike Rumsey and John Spratt at the Natural History Museum in London to determine the chemical composition of the new mineral. To help with understanding the crystal structure, Steve Hackney, professor of materials science at Michigan Tech, was able to provide crucial high-resolution images using transmission electron microscopy on ultrathin samples prepared with a diamond knife by Owen Mills, director of Michigan Tech’s Applied Chemical & Morphological Analysis Laboratory.

The growing team then sought the help of Luca Bindi, a professor at the Università di Firenze in Italy and an expert in solving complicated crystal structures. He helped run x-ray diffraction studies to put all of the pieces together. The results revealed a complex structure made up of layers of molybdenum disulfide alternating at the atomic scale with layers of lead sulfide, along with other elements, including vanadium, antimony, bismuth and selenium.

Although it is not a showcase gem, merelaniite is attractive, and as the analyses show, it has an intricate, microscopic internal beauty as well. A better understanding of the crystal chemistry of these exotic materials may eventually find useful applications.

Echoing physicist Richard Feynman, Jaszczak notes, “Science is about taking pleasure in finding things out, and we’re delighted to have uncovered and described this beautiful new mineral.”

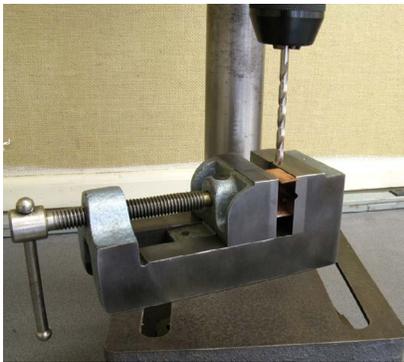
Call for Ideas/Speakers!

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!

Brad's bench tips...

DRILL PRESS VISE

A drill press vise is a versatile tool to hold a workpiece securely and in precise alignment. It reduces the risks of working with high power motors, use of larger drill bits, and higher heat generated in the operation. The vise can be clamped to the drill press table if needed and is quite handy for use at the bench to hold things for sawing or riveting.



You can find them at stores that carry machine tool supplies. My feeling is that the best ones are made from steel. In particular, I like the ones with V grooves cut into the jaw plates. That lets me hold a punch straight upright or hold a rod horizontal. To find a supplier, search on "drill press vise" at sites like:

www.micromark.com
www.mscdirect.com/enco
www.smallparts.com
www.grizzly.com
www.sears.com

DENTAL GOLD

You might think that a couple pieces of dental gold would be valuable, but if you only have a small amount, it can be a problem. Sending it to a refiner is expensive for small amounts of metal.

I made the mistake of thinking I could melt it and roll out my own sheet. However, the trace metals that dental gold contains to make it a good material in your mouth cause it to crack if you try to forge it or roll it out as a sheet. It ruined my whole ingot.

So what to do with a couple gold crowns? A reasonable alternative is to try incorporating the metal into your jewelry. If you have enough material to do a casting, that's probably the best

use for dental gold. If you're not into casting, try melting it on a solder pad and while molten, divide it into small pieces with your solder pick. Then re-flow each piece to make little gold balls for use as accents on your designs. The balls can also be planished a bit to make small discs or struck with a design stamp to add texture.

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

AFMS news...

Rockhound Soapbox – M-44: Who, What, When and How (June AFMS Newsletter)

John Martin – AFMS Conservation and Legislation afmsclc@antelecom.net

Thanks to Keith Fackrell, 1st Vice President of the Northwest Federation of Mineralogical Societies and Lauren Williams, Vice President of the American Lands Access Association for bringing this issue to my attention.



The M-44 consists of a capsule holder, a cyanide capsule, a spring-activated ejector, and a stake. Bilingual signs warn about the device.

While Rockhounding on Public Lands, mostly in the Western States, and on private lands, with the permission of the land owner, be aware that the M-44 in use in areas where coyote, feral dogs and other predator wildlife are a threat to grazing livestock and domestic farm and ranch animals. If a M-44 device is found, "Let it Be", Do not touch, consider it as a "Live Bomb" – because it is and it can Kill People and domestic dogs!

Safety tips for people to follow are talked about, discussed and even published. Some people are trained to take care of most dangers that are encountered while hiking, camping and, yes, even rock hunting. One danger that I have never seen on a list of safety tips out there is the M-44. In some areas where Rock Hounds are, there may be an M-44 "cyanide bomb", which is EXTREMELY LETHAL!



When the trap is set, only the capsule holder and capsule protrude above ground level.

The **M44 cyanide device** (also called a 'cyanide gun' or a 'cyanide trap') is used for the elimination of coyotes, feral dogs, and foxes. It is made from four parts: a capsule holder wrapped with cloth or other soft material, a small plastic capsule containing 0.88 grams of sodium cyanide, a spring-powered ejector, and a 5-7 inch stake. When the trap is triggered, the spring propels a dose of sodium cyanide into the animals' mouth, and the sodium cyanide combines with water in the mouth to produce poisonous cyanide gas. In addition to the cyanide, the capsule contains Day-Glo fluorescent particle marker (orange in capsules used by the Wildlife Service, and yellow in capsules prepared for other users).

The M-44 device uses a cyanide capsule that is registered as a restricted-use pesticide by the Environmental Protection Agency (EPA). can be used only by trained certified applicators. Wildlife

Service Officers are authorized to use M-44 cyanide capsules to control coyotes, wild (feral) dogs, and red, gray, and arctic foxes which are: suspected of preying upon livestock, poultry, or federally designated threatened and endangered species; or are vectors of communicable disease. The program's use of M-44 devices strictly conforms to EPA label instructions, directions, and use-restrictions; applicable Federal, State, and local laws and regulations; and agency and program directives and policies.

Wildlife Service personnel do not use M-44s on any property unless requested by the land's owner or manager; a valid written cooperative agreement, agreement for control, Memoranda of Agreement, or another applicable document must be in place.

[USDA Fact Sheet – 2010](#)

Bottom Line: When Rockhounding, be aware of your surroundings and if one of these M-44 devices are found, keep away. If you have your pets with you, be sure to keep a close eye on them. Pet dogs have been known to find and set off these devices and in most cases, it is fatal for your family pet. I have sent inquires to 4 state legislators and 3 federal legislators asking the status of the M-44 usage. I have not received any response as of this being published.

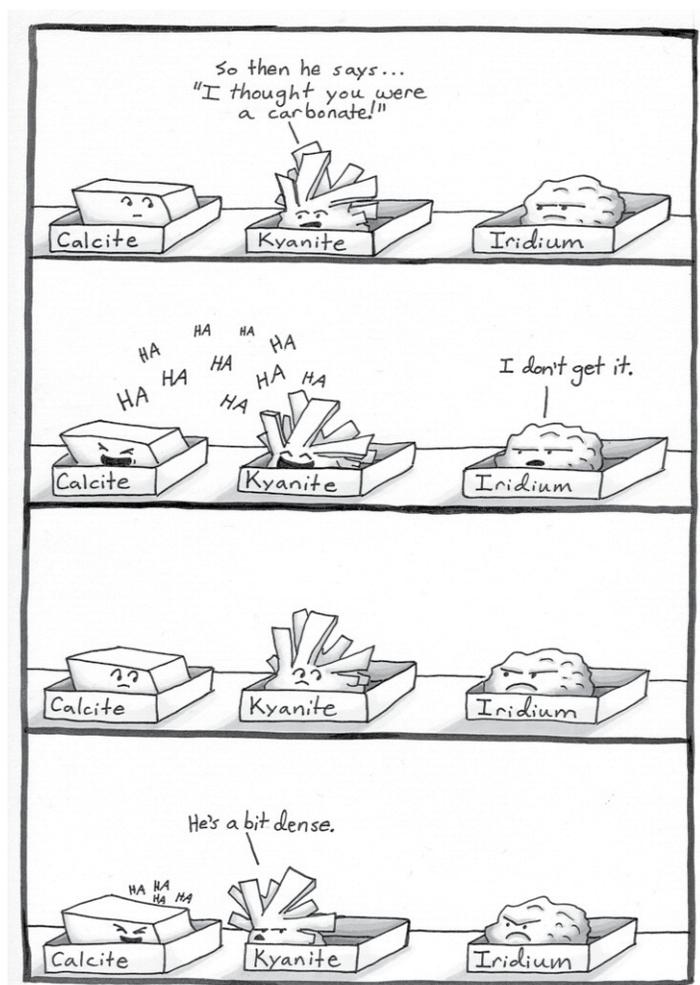
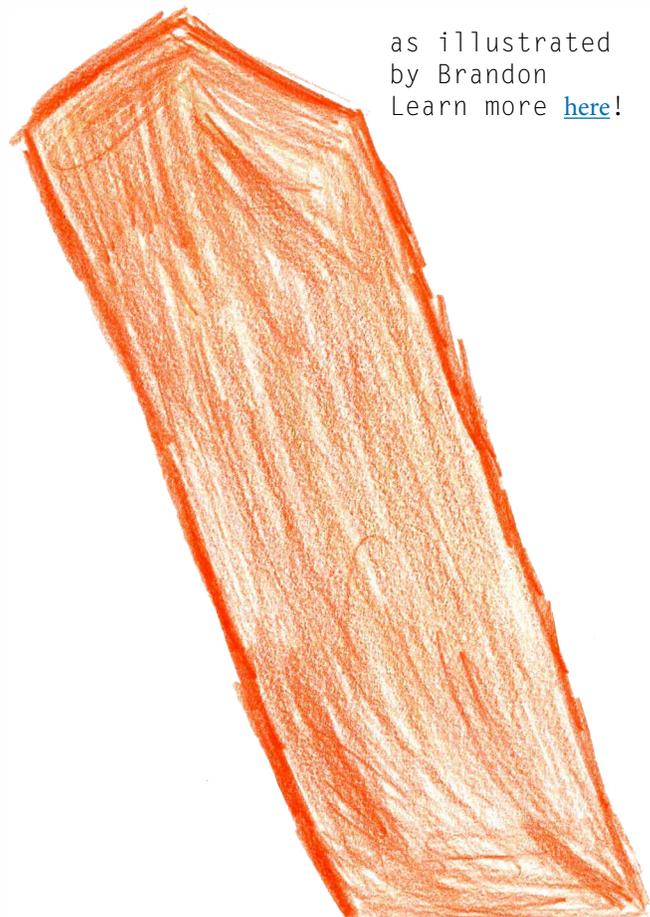
HELP!
Send in your:
stories, articles, tips,
photos
suggestions or questions!
Submissions due by the
28th of each month.

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.

Imperial Topaz

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



from Donya Quick via Deviant Art

Luster: Vitreous
Transparency: Transparent, Translucent
Color: Orange, pink, red, lavender pink and peach pink
Streak: Colorless
Hardness: 8
Crystal system: Orthorhombic

**data collected from mindat.org*

April swap photos...

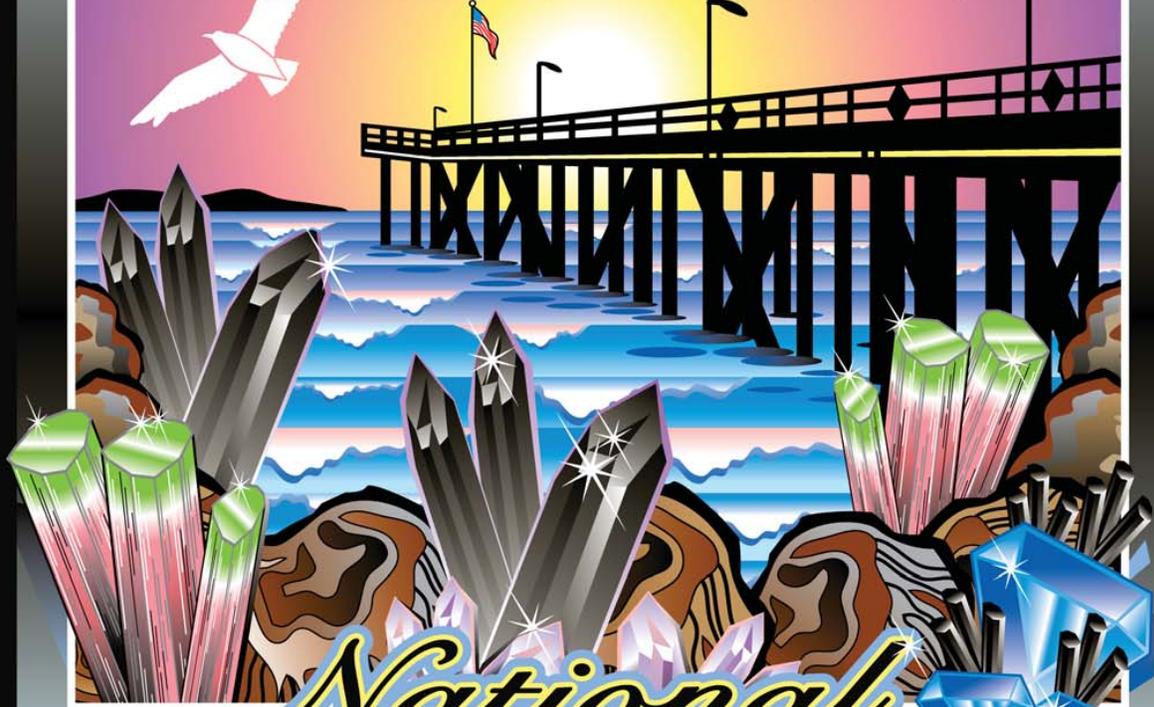


CAGMAGS at the 2017
MAGS "Earth Wide Open"
show in Memphis,
Tennessee



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Upcoming area shows...

May 2017

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

20-21—NORTH OLMSTED, OHIO: Annual show; Parma Lapidary Club, North Olmsted Soccer Sportsplex; 31515 Lorain Ave. Sat. 10-5, Sun. 10-5; Admission \$6, 0.00; 49th annual Rock-a-Rama. Jewelry, Gem, Crystal, Fossil and Mineral Show. Gems, minerals, beads, fossils, live demos, cracking geodes, kids' corner, gem mine, silent/Chinese auctions, door prizes, exhibits and more. Contact Suzanne Zaborowski, 2130 w 110th, Cleveland, OH 44102, (216)-352-3427; e-mail: Parmalapidary@yahoo.com; Web site: www.parmalapidary.com

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

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

June 2017

2-4—WAUSEON, OHIO: Annual show; State Line Gem & Mineral Society, Fulton County Fairgrounds; 8514SR108; Fri. 12-6, Sat. 10-6, Sun. 11-4; Adults \$4, Seniors/Students \$3, Children under 12 free; contact Glenda Gafner, 3720 Britton Hwy, Britton, MI 49229, (517)-403-6310; e-mail: ggafner@frontier.com; Web site: www.statelinegms.com

2-4—TULSA, OKLAHOMA: Wholesale and retail show; Gem Faire Inc, Expo Square; 4145 E 21st St; Fri. 12-6, Sat. 10-6, Sun. 10-5; \$7 weekend pass, Children free (ages 0-11); Fine jewelry, precious & semi-precious gemstones, millions of beads, crystals, gold & silver, minerals & much more at manufacturer's prices. Exhibitors from around the world. Jewelry repair & cleaning while you shop. Free hourly door prizes. Contact Yooy Nelson, (503)-252-8300; e-mail: info@gemfaire.com; Web site: <http://www.gemfaire.com>

2-4—COLORADO SPRINGS, COLORADO: Annual show; Colorado Springs Mineralogical Society, Mortgage Solutions Financial Expo Center; 3650 N. Nevada Avenue; Fri. 10-5, Sat. 10-5, Sun. 10-4; Admission \$5, Children 12 and under free; Join us for the 54th Annual Pikes Peak Gem and Mineral Show sponsored by the Colorado Springs Mineralogical Society. This year's show will highlight pyrite and feature several exhibits, auctions, and door prizes! We expect over 50 vendors specializing in Colorado gems and minerals, as well as gems and minerals from the US and around the world, sculptures, fossils, meteorites, crystals, jewelry and more! Come see us as we kick off the Colorado mineral show season! contact Lisa Kinder, 1060 Marlstone Pl, Colorado Springs, CO 80904, (719)-351-4018; e-mail: lisa@terraminerals.net; Web site: www.csms1936.com

2-4—WAUSEON, OHIO: Annual show; State Line Gem & Mineral Society, Fulton County Fairgrounds; 8514SR108; Fri. 12-6, Sat. 10-6, Sun. 11-4; Adults \$4, Seniors/Students \$3, Children

under 12 free; Come join us at the Fulton County Fairgrounds Junior Fair Building for our 56th Annual Show. We are proud of our show boasting in demonstrations, silent auction, door prizes, mine safety class by Joel Vicary, soap stone carving class by Sandy Cline. We will be giving demonstrations on cutting and shaping cabochons, wire wrapping, scrimshaw by Don Baker, flint knapping, kids' activities, and geode cracking with geodes from Indiana, Morocco, and Mexico. There will be rough material for those who start from scratch, cabs and beads for those who just put their personal touch on their art, and finished pieces for those who just appreciate the finished pieces of jewelry. Contact Glenda Gafner, (517)-403-6310; e-mail: ggafner@frontier.com; Web site: www.statelinegms.com

3-3—DELTA, COLORADO: Annual show; Delta County Rock Wranglers, Heddles Recreation Center; 530 Gunnison River Drive; Sat. 9-5; Free Admission; Delta County Rock Wranglers presents the Rock, Gem & Mineral show with lots of dealers, exhibits, door prizes and family activities. Contact Harry Masinton, 24662 Sorrento Lane, Cedaredge, CO 81413, (970)-856-3861; e-mail: masinton@tds.net

3-3—COLFAX, NORTH CAROLINA: Annual show; Greensboro Gem & Mineral Club, Piedmont Triad Farmers Market; 2914 Sandy Ridge Road; Sat. 10-10; Free Admission; Minerals, fine specimens, hand crafted jewelry, lapidary demos, wire wrapping, beads, geode cutting. Free admission. Free small geode for kids 10 and under. Fun for the young, the old, the curious and the collector. Contact Gary Parker, 6601 Lismore Drive, Brown Summit, NC 27214, (336)-402-5252; e-mail: ggmc.rocks@gmail.com; Web site: www.ggmc-rockhounds.com

3-4—MCCALLA, ALABAMA: Annual show; Alabama Mineral & Lapidary Society, Tannehill Ironworks State Park; 12632 Confederate Parkway; Sat. 9-5, Sun. 9-5; Adults \$5, Seniors \$4, 6-11yr \$3 under 5 free; This is an open-air show. The show is free with paid admission to the park. Contact Cathy Kellogg, tannehillgemshow@gmail.com, AL, (256)-283-4407; e-mail: tannehillgemshow@gmail.com; Web site: www.lapidaryclub.com

3-4—MARION, KENTUCKY: Annual show; Ben E. Clement Mineral Museum, Fohs Hall; 201 North Walker St; Sat. 9-5, Sun. 9-4; Donations; The show will feature vendors, hourly door prizes, silent auctions, Indian Artifact Display, Children's Activities sponsored by Farmer's Bank & Trust of Marion, and for a fee there will be museum tours and mineral digs. Contact Tina Walker, P.O. Box 391, Marion 42064, (270)-965-4263; e-mail: beclement@att.net; Web site: www.clementmineralmuseum.org

3-4—SPRINGFIELD, MISSOURI: Annual show; Ozark Mountain Gem & Mineral Society, Missouri Institute of Natural Science; 2327 W Farm Road 190; Sat. 9-5:30, Sun. 10-4:30; Free Admission; This is our outdoor show with vendors selling rocks, minerals, gems, fossils, unique jewelry, used lapidary equipment, etc. set up on the Missouri Institute of Natural Science grounds. Contact Vicki Lindsay, c/o OMGMS, Box #35, 2131 West Republic Road, Springfield, MO 65807, (417)-350-1070; e-mail: omgms.57@gmail.com; Web site: <https://www.facebook.com/events/179028122579546/>

3-4—MANSFIELD, OHIO: Annual show; Richland Lithic and Lapidary Society, Richland County Fairgrounds; Art & Crafts Building, 750 N. Home Road; Sat. 10-6, Sun. 11-5; Adults \$5, Seniors \$4, Children 6-16yrs \$3; GEODES: It's What's Inside That Counts. The Richland Lithic and Lapidary Society, Mansfield's own mineral and fossil club, will have their annual show. The show will have quality dealers selling beads, jewelry, minerals and fossils. Silent auctions run hourly both days. We will offer geode breaking, hourly door prizes, and demonstrations. The show will be held in the Arts and Crafts building at the Richland County Fairgrounds. Contact Tom Kottyan, (419)-562-1152; e-mail: themineralhouse@netzero.net; Web site: <http://rlls.webs.com/>

8-11—FAIRPLAY, COLORADO: Annual show; Greg Tunnicliff, Middle Fork RV Resort; 255 US-285; Thu. 9-6, Fri. 9-6, Sat. 9-6, Sun. 9-4; Free Admission. Dealers with gems, minerals, jewelry, fossils, beads. Contact Greg Tunnicliff, 1130 Frankcis #7010, Longmont, CO 80501, (720)-491-0689; e-mail: gregtunnicliff@yahoo.com; Web site: www.abqfallshow.wix.com/contin-tail

9-11—PARK HILLS, MISSOURI: Annual show; Mineral Area Gem Mineral Society, Park Hills, MO; Missouri Mines SHS, 4000 State HWY 32; Fri. 9-6, Sat. 9-6, Sun. 9-4; Free Admission; 20th Annual Missouri Mines Rock Swap Rocks, minerals, fossils, rock jewelry/crafts. Fun for entire family Visit

Historic Site Mining-Mineral Museum is free! Auctions of Minerals and Rock Jewelry to benefit Museum. Music, demos, and presentations Refreshments Stand to purchase drinks and food. 1; contact Boneta Hensley, P.O. Box 492, Park Hills, MO 63601, (573)-760-0488 or (573)-431-6226; e-mail: mojellybean63@yahoo.com; Web site: <https://www.facebook.com/groups/1249800061698210/>

10-10—SKOKIE, ILLINOIS: 6th Annual Rock Swap; Chicago Rocks & Minerals Society, St. Peter's United Church of Christ gym; 8013 Laramie (at Oakton); Sat. 11-5; Free Admission; Come for a day full of family fun! Our rock swap is like a flea market packed with great deals for rockhounds of all ages, kids included. Find rocks, minerals, fossils, geodes, crystals, cabochons, handmade jewelry, and lapidary items to build your collection. Children must be accompanied by an adult. Contact Betty Novak, (708)-795-7539; e-mail: novakagate@hotmail.com; Web site: www.chicagorocks.org

16-18—VICTOR, COLORADO: Annual show; Southern Teller County Focus Group, Downtown Victor, CO; 300 N Third St.; Fri. 9-5, Sat. 9-5, Sun. 9-4; Free Admission; Geology presentations, outdoor show. Contact Ruth Zalewski, POB 328, Victor, CO 80860, (719)-689-2675; e-mail: stcfg@victorcolorado.com; Web site: www.victorcolorado.com

16-18—CARLSBAD, NEW MEXICO: Annual show; Carlsbad Gem and Mineral Society, Living Desert State Park; 1504 Miehl's RD; Fri. 9-5, Sat. 9-5, Sun. 9-3; Free Admission; Regular rates apply for attendance to zoo and gardens. Gems, minerals, rocks, fossils, meteorites, beads, handcrafted jewelry, silver work, including southwestern, silent auction, wheel of prizes, door prizes, fun for the whole family. Contact Jack Sewell; Web site: www.carlsbadgms.org

23-25—ELDON, MISSOURI: Annual show; Osage Rock and Mineral Club, Eldon Community Center; 309 E. Second Street; Fri. 2-6, Sat. 9-6, Sun. 9-3; Free Admission; Presenting our 16th Annual Gem, Jewelry, Rock, Mineral & Fossil Show. Featuring: gemstones, fine jewelry, fossils, minerals, quartz crystals, custom jewelry, cabochons, gift items, geode booth, demonstrations, displays, games and prizes. Our Special Fluorescent Mineral Exhibit will be back this year with new material. Contact Cheryl Hudson, 411 Eastland Drive, Jefferson City, MO 65101, (573)-635-7728; e-mail: ormc2017show@centurylink.net

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)

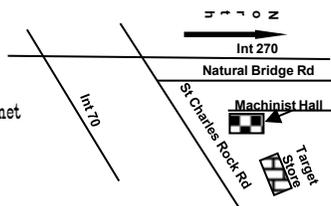
Children 5 & under free when accompanied by adult. All Scouts and Leaders in uniform admitted free.

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:

Jerry Kubat -
1712 Country Acres Drive
St. Peters, MO 63376-3339
e-mail jkubat7911@sbcglobal.net



Machinists Hall Auditorium
12365 St. Charles Rock Rd,
(Bridgeton) St. Louis County,
Missouri
I-270 at St. Charles Rock Rd

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

WANTED:

Selenite (Satin Spar)
rods, 10" to 12" or
something in that general
range. I need the rough
split rods, not the
finished or carved ones.
If you have any you're
willing to part with,
please contact me at (501)
231-2030 or at MrBill@
fidmail.com

2017 Meeting Dates

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

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

Join CAGMAGS!

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

Visit www.centralarrockhound.org
to learn more!