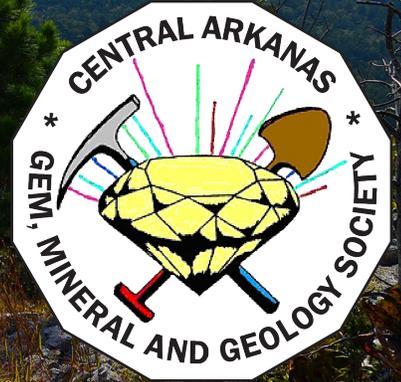


ARKANSAS ROCKHOUND NEWS



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

FEBRUARY 2019

MWF Convention: Things to see and Do...

Jay Vavra, Director
Cedar Valley Rocks and Minerals Society

On March 23rd and 24th, the Cedar Valley Rocks and Minerals Society will host our annual rock show in Cedar Rapids, Iowa. In addition to being the local rock club annual show, this will also be the Midwest Federation convention and American Federation of Mineralogical Societies convention.

Why should you plan to travel to Cedar Rapids for this event? In a previous article I wrote about the show itself, and that is reason enough to make this trip, but you don't have to spend all your time in Eastern Iowa at the show. There are plenty of other activities available in and around Cedar Rapids, both geological and otherwise.

The University of Iowa Museum of Natural History is located in Iowa City. The museum is approximately a 30-minute drive south from the location of the show and is located in Macbride Hall at the University of Iowa. The museum is the oldest university museum located west of the Mississippi River. It has fantastic exhibits of a Devonian coral reef, which is based on fossil remains of a reef located in Coralville, Iowa, and a Pennsylvanian coal swamp. The Hall of Birds and Mammal Hall are two highlights that offer a change of pace from geology. You can find more information at: <https://mnh.uiowa.edu>.

continued on page 4...

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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Meeting minutes...

January 22, 2019

Submitted by Bill Alcott

The meeting was called to order at 6:40pm. Barbara went down the list of appointed officials: Amy Thor is Program Coordinator, David Hodge is Librarian/Field Trip Coordinator, Mike Howard is Membership List coordinator, Anita Gray Major is the Sunshine Committee, Nikki Heck is Webmaster and Newsletter Editor.

Virginia and Pat did the annual audit and thanks to Sarah's skill as treasurer, it came out accurate to the penny. Mike Howard passed around the membership list to get a review of member info as well as having folks check to see if they were current on dues. Barbara reminded Michael DeAngelis that we have memberships available for UALR students and a good opportunity for holding an officer position and good stuff to put on a resume.

Barbara brought up a field trip to Viburnum, Mo as well as another site in that general area that's privately owned. We would want to wait until after freezing is possible. Whatever mineral is mined there is damaged by freezing and shouldn't be dug up and exposed to freezing temperatures. Ouachita float trip is on hold until warmer temps and lower lake level. Barbara asked if there were any other ideas for field trips. Bill brought up a trip to dig satin spar selenite, but Mike Howard said that mine is insured by Lloyds of London and there are no field trips.

The CAGMAGS Spring Swap Meet will be held on Star Wars Day this year. May the Fourth be with you! Time is 9 to 3. The Boy Scouts program follows the following week, May 11th from 9 to 12 at UALR. Theme is Mining in Society. The Memphis show is coming this spring, but I didn't hear a date. Barbara would like some help covering the table.

Some ideas and suggestions were tossed around about the cards/flyers/postcards to be printed up for the show. Nothing definite was decided.

Mike Howard asked about his wife setting up for the October show like last year. Motion was made to bring her back with no charge for the table and she keeps the proceeds. Motion made, seconded and passed.

Nikki Heck wants to change to a new ISP. Current one is antiquated and hard to use. Michael DeAngelis is going to do some research and get back to us with some numbers.

John Schoeneman wants to add our XPOPRESS coverage. Discussion ensued that evolved into a Facebook discussion, then Michael DeAngelis brought up the lectures at UALR "Earth Talk*" Feb 20th, 6pm and the Open House on Friday April 19th from 5 to 8.

Discussion was held about Laurie doing T-shirts for the club. Barbara requested she bring some samples and prices to the next meeting.

XPOPRESS came up again for a decision. Motion was made to try it for a year and see if it increases attendance enough to warrant continuing. Seconded and passed with two nays. Meeting was adjourned about 8:15 and we held the drawing.

Brad's bench tips...

TAKE A BETTER PHOTO

Most digital cameras these days have the ability to take a good picture of your small jewelry items, but set-up is important. There are four major items to control - background, lighting, camera motion, and focus control.

Lightly colored papers from an art store make reasonable starter backgrounds. Try experimenting with other products later like glass or colored plastics. Avoid fabrics because the weave can often be distracting at high magnification.

Outside lighting is the easiest. In fact for close-ups, flash never works well. Turn off your camera's flash. Choose a bright but overcast day or a lightly shaded area when the sun is full. For inside use, two gooseneck desk lamps can be used with 75 watt bulbs. Whatever you use, be sure to set the camera to match the type of lighting you use or else the colors will be off.

You'll be shooting up close, so turn on the Macro mode. Now at this range, if the camera moves even a little bit during the shot, the picture will

be blurry, so it's essential to use a tripod. Used ones are available inexpensively from eBay, yard sales or some camera shops. And even with a tripod, I put the camera on the self-timer mode so that any vibration from when you click the button settles down before the camera takes a picture.

In order to get the largest part of your jewelry in focus, you have to close the lens down to the minimum aperture (highest F-Stop number). This is done by taking the camera off of "Auto" mode and selecting Aperture Priority, usually denoted by "Av" and then setting the aperture to the largest number, which is F-8 on my camera. You'll probably have to get out the book or go back to the store to ask how to do this, but it's really worth it.

That's it. In recap, here are the camera settings I use:

- Set the lens to Macro for a close-up shot.
- Turn the camera's flash off.
- Move the camera in close enough for the item to cover at least $\frac{3}{4}$ of the frame.
- Look for adverse reflections from the jewelry surface.
- Try to minimize reflections with changes of light position, camera angle, or white background paper.
- Carefully check for any fingerprints or dust that might be on the piece.
- Make any final tweaks with light and arrangement.
- Select "Av" for aperture priority mode.
- Set the lens opening to the highest number to get the maximum depth of field.
- Set the lighting to match what you're using (daylight, overcast, light bulb, fluorescent, etc).
- Set the timer for delayed shooting, either 2 seconds or 10 seconds, to avoid camera movement. The delay also gives you time to hold up a piece of white paper to adjust lighting or reduce any final reflections.
- Set the image size to the maximum resolution. You can size it down later, but you can never increase it.
- Take the shot.

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

continued from page 1...



This smiley fellow is part of the Devonian Coral Reef exhibit at the University of Iowa Museum of Natural History. Photo from mnh.uiowa.edu.

The Devonian Fossil Gorge, which the exhibit described above is based on, is located in Coralville, Iowa, which is approximately a 30-minute drive south from the show location. The Devonian Fossil Gorge is the exposed fossils and limestone bedrock which were first exposed during flooding in 1993. Historic floods in 2008 increased the area of exposed fossilized sea floor.

While collecting fossils is prohibited here, this is a wonderful opportunity to walk on a fossilized ocean floor and see the remains of the sea life that lived in Iowa during the Devonian period. Brachiopods, corals, crinoids, and trilobites are all represented here. You can find more information on the Devonian Fossil Gorge at <https://www.mvr.usace.army.mil/Missions>.

If you are interested in collecting fossils, one of the nearby opportunities with a near guarantee of success is the Fossil & Prairie Park Preserve near Rockford, Iowa. The Fossil and Prairie Park is about a 2-hour drive to the northwest from the show location. The Fossil and Prairie Park allows personal collecting of the abundant Devonian fossils found on the site. You can collect brachiopods, gastropods, corals, crinoids, bryozoans, and cephalopods. There are also trails for hiking and shelters available.

Although the main building with exhibits on the history of the park will still be closed for the season at the time of the show in Cedar Rapids, if the weather is cooperative, the fossil collecting may still be enjoyable. You can find more information on the Fossil and Prairie Park Preserve at: <http://www.fossilcenter.com>.

The theme of the 2019 show is geodes. Geodes are the State Rock of Iowa, and with good reason. Some of the best specimens in the world can be found in the Keokuk area of Iowa. Jacobs Geode Shop and Mine is located in Hamilton, Illinois, just across the Mississippi River from Keokuk, Iowa, and is approximately a 2-hour drive to the southeast from the show location. Gary Jacobs operates this mine on private property, so be sure to call before visiting.

Geodes here are plentiful, and many have good sized hollows with beautiful clear crystals. Note that there is a fee for collecting at this location. More information on Jacobs Geode Mine and other geode related opportunities in the area can be found here: <http://keokukiowatourism.org/geodes>.

If you're looking for a break from rocks and minerals, Cedar Rapids has a number of excellent museums which are highly recommended. The Cedar Rapids Museum of Art is about a 10-minute drive from the show location. This museum possesses the world's largest collection of art by famous local artist Grant Wood. Not only can you view a number of his works on display, you can also tour his studio.

Grant Wood is famous for his paintings of rural, Midwestern people and landscapes. Another local but world-renowned artist well represented at the museum is Marvin Cone, whose depictions of nature and clouds are wonderful. More information on the Cedar Rapids Museum of Art can be found here: <http://www.crma.org>.



Grant Wood, Overmantel Decoration, 1930, owned by the Cedar Rapids Museum of Art. Photo from www.crma.org.

The Czech and Slovak heritage of Cedar Rapids will be apparent across much of the city, but the best place to experience it is the Czech Village neighborhood and the National Czech & Slovak Museum and Library, which is a Smithsonian Affiliate.

The museum has exhibits of art and artifacts representing Czech and Slovak life and culture, both in Europe and in the United States. The internationally important museum was dedicated in 1995 by President Bill Clinton of the United States, President Vaclav Havel of the Czech Republic, and President Michal Kovac of the Slovak Republic.

In 2011, as part of the recovery from the historic flooding of 2008, the 16,000-square-foot (and 1,500-ton) museum building was lifted and moved 480 feet to a new location that sits 11 feet higher than where it was built. If you're not interested in the art and exhibits inside, the fact that this mammoth structure was able to be moved is fascinating and worth a visit just to imagine how it could be done. More information on the National Czech & Slovak Museum and Library can be found here: <https://www.ncsml.org>.

Cedar Rapids is also home to the Iowa Masonic Library and Museum, which is one of the largest Masonic libraries in the world, and also a fascinating museum with three collections of both Masonic and Non-Masonic items.

The African American Museum of Iowa, in Cedar Rapids, is a wonderful resource that showcases the African American heritage of Iowa. Brucemore, a Queen Anne style mansion on 26 acres, offers tours that exhibit the lifestyle of the wealthy and prominent families who built and lived there. The Cedar Rapids History Center offers exhibits on the local history of Cedar Rapids and Linn County.

These are just a few of the many reasons (besides the fantastic rock show) to visit Cedar Rapids. If you have any questions about the 2019 Cedar Valley Rocks and Minerals Society Show, or about things to do while you're here in Eastern Iowa, please feel free to contact any of the members listed on our web page. We look forward to seeing you in March in Cedar Rapids.

Of interest...

Minerals Unique to Arkansas - A talk given to CAGSMAGS

By J. M. Howard

There are 13 minerals first discovered and scientifically described for science from Arkansas, making them unique to the State: schorlomite (1846), rectorite (1891), laubmannite (1949, discredited 1990, P. Dunn), miserite (1950), kimzeyite (1961), benstonite (1962), kidwellite (1979), eggletonite (1984), strazcekite (1985), delindeite (1987), lourenswalsite (1987), mahlmoodite (1993), haggertyite (1998), and artsmithite (2003). In upcoming newsletters we will look at each of these minerals beginning with the earliest discovery.

Kidwellite



Kidwellite, Blaylock Mountain claim, Polk Co., AR

The original material that was studied by Paul Moore and Jun Ito came from Fodderstack Mountain, southwest of Norman in Montgomery County.

Albert Kidwell, after whom the mineral is named, collected this mineral along with other iron phosphates and furnished the material to researchers at the University of Chicago. Moore and Ito's study was published in 1978.

Kidwellite, as originally described, has three principal types of occurrence: interlayered with "laubmannite" and rockbridgeite; thin, isolated botryoidal masses; and sheaves of crystals and small spheres on goethite. Coatings of kidwellite on thick, vug-filling beraunite have also been collected. Dr. Kidwell (1977) gave several localities in Polk and Montgomery Counties, mostly associated with manganese mines and prospects.

Kidwellite is a hydrated sodic iron phosphate, varying in color from lively pale chartreuse to

greenish-yellow, greenish white, pastel grayish-blue, and bright yellow. The mineral is moderately widespread as a replacement of rockbridgeite and beraunite and is also known from Indian Mountain, Alabama, Irish Creek, Virginia, and Waldgirmes, Germany. It is often associated with rockbridgeite, beraunite, strengite, and cacoxenite. In Arkansas, kidwellite appears to be restricted to the Arkansas Novaculite Formation.

Refs:

Barwood, H.L. and deLinde, H.S., 1989, Arkansas Phosphate Minerals - a review and update: Rocks and Minerals, v. 64, no. 4, p. 294-299.

Kidwell, A.L., 1977, Iron phosphates of the Ouachita Mountains, Arkansas in Symposium on the geology of the Ouachita Mountains, V. II, Economic geology, mineralogy, and miscellaneous: Arkansas Geological Commission, p. 50-62.

Moore, P.B. and Ito, J., 1978, Kidwellite, $\text{NaFe}_3+9(\text{OH})_{10}(\text{PO}_4)_6 \cdot 5\text{H}_2\text{O}$, a new species: Mineralogical Magazine, v.42, p. 137-140.

Eggletonite



Eggletonite, 3M Quarry, Pulaski Co., AR

Specimens of this mineral were collected by Cecil Cosse, a student at the University of New Orleans, from one of the active quarries of the Granite Mountain complex in Pulaski County.

The samples were sent to P.J. Dunn of the Smithsonian Institution, who enlisted the aid of researchers from the University of Michigan and the University of New Orleans in describing the mineral. Their work was published in 1984.

Interestingly, I had collected before Cosse a number of samples of this same species and sent them to Charles Milton. A preliminary letter from Dr. Milton indicated that this mineral might be a new species, but because he did not have time

to work on it, he turned the specimens over to the Smithsonian. I suspect that some of my samples were also used to define the type material, but can not confirm it.

Eggletonite has a very complex chemical formula which consists of alkaline metals (sodium, potassium, calcium), and metal cations (manganese, zinc, magnesium, iron, aluminum) bound to a hydrous silicate framework. There is considerable bonded water. Eggletonite crystals are dark brown, very small, fibrous, and form radiating sea urchin-like masses to 3 mm across perched on feldspar or pyroxene crystals. When the radiating mass is broken, it is dark brown in the center grading to cinnamon-tan on the ends of the fibrous crystals. This mineral formed in very late stage, thin veinlets during degassing of the magmatic host rock - syenite. It may be associated with K-feldspar, sodic pyroxene (aegirine), titanite, and apophyllite. Eggletonite has not been reported from other localities. The mineral was named after Dr. Richard A. Eggleton of the Australian National University.

Refs:

Barwood, H.L., 1989, Mineralogy of the Granite Mountain syenite, Pulaski and Saline Counties, Arkansas: Rocks and Minerals, v. 64, no. 4, p. 314-322.

Peacor, D.R., Dunn, P.J., and Simmons, W.B., 1984, Eggletonite, the Na analogue of ganophyllite: Mineralogical Magazine, v. 48, p. 93-96.

original material in a recrystallized zone of the Arkansas Novaculite in the North Wilson pit, Potash Sulphur Springs, Garland County.

Strazcekite is a calcium barium potassium vanadate. Fibrous seams of this rare secondary mineral filled fractured novaculite. More commonly consisting as black coelescung aggregates of crystals, strazcekite sometimes forms single lath-like crystals up to 0.5 mm long. Individual crystals are translucent to transparent and dark greenish-black. The zone containing the concentration of this rare mineral was mined through shortly after the mineral was discovered, so few specimens exist. This is the only known occurrence of strazcekite.

The mineral conforms to a series of synthetic vanadium bronzes, the first of its kind to be discovered in nature. The mineral is named after John A. Strazcek, Chief Geologist at Union Carbide during the 1970s and 1980s.

Refs:

Evans, H.T., Jr., Nord, Gordon, Marinenko, John, and Milton, Charles, 1984, Strazcekite, a new calcium barium potassium vanadate mineral from Wilson Springs, Arkansas: Mineralogical Magazine, v. 48, p. 289-293.

Howard, J.M. and Owens, D.R., 1995, Minerals of the Wilson Springs vanadium mines, Potash Sulphur Springs, Arkansas: Rocks and Minerals, v. 70, no. 3, p. 154-170.



Strazcekite, North Wilson pit, Potash Sulphur Springs, Garland Co., AR

Strazcekite

Don R. Owens, Union Carbide mine geologist, submitted the original samples of this vanadium mineral to Charles Milton. Dr. Milton, along with mineralogists

from the USGS, published their description of the new species in 1984. Paul Thompson, also an employee of Union Carbide, discovered the

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 10 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.



We'll be on our way in no time Agnes
You unload the rocks and I'll change the tire

by Bill Mittlebeeler via Dust & Grit 2/00
via Golden Spike News 4/00

Rockhound & Lapidary T-Shirt Slogans

May the quartz be with you!
Old lapidarians never die, they just
recrystalize
We Dig Mother Earth
Follow me, I am looking for gold...
Diamond saws are a girl's best friend
Be Daring - Cab It
Ain't nothin but a rock hound dog
Trilobite Me
We Will Rock You
You're a gem.

Rock Off
I Dig Rocks
I Dig Gold
I Dig Fossils
I Dig Crystals
Lapidarians DIG The Dirt
Lode Off My Mind
Lost a rock? I will find it for you.
WARNING: Rockhound Going For Gold
MAGMA
Rock On
from <https://owlcation.com/>

Upcoming area shows...

February 2019

23-23—PLAINVIEW, TEXAS: Annual show; Hi-Plains Gem and Mineral Society; Ollie Liner Center, Business I-27 South; Sat. 10-6, Sun. 10-5; \$3, students \$1; vendors presenting gems, minerals, and more, demonstrations, silent auctions, and activities for children; contact Kitty Shipman, 1616 Ennis St., Plainview, TX 79072; Email: bobcat22@suddenlink.net

23-24—JACKSON , MISSISSIPPI: Annual show; Mississippi Gem and Mineral Society ; Mississippi Trade Mart on State Fairgrounds, 1200 Mississippi St; Sat. 9-6, Sun. 10-5:30; Adults \$6, students \$3, scouts and leaders in uniform \$2, and free admission for children 5 and under; More than 25 dealers of gems, fossils, minerals, jewelry, lapidary tools, beads, and more; demonstrations of lapidary art including flint knapping, cabochon cutting, and jewelry making; exhibits and educational opportunities by colleges and state organizations; youth activities; hands-on exploration table; displays by MGMS members of their own collections or lapidary work; hourly door prizes, and a grand prize drawing ; contact Leslie Lane, 176 Tazan Avenue, Florence, MS 39073-8720, (601) 344-8171; Website: <http://missgems.org>

March 2019

2-3—BIG SPRING, TEXAS: Annual show; Big Spring Prospectors Club; Howard County Fair Barn, Howard County Fair Grounds, Big Spring Texas; Sat. 9-5, Sun. 10-5; free; displays, dealers, and working demonstrations; contact Lola Lamb, 2200 Cecilia, Big Spring, TX 79720, (432) 528; Email: lolabellelamb@yahoo.com

2-3—ROBSTOWN, TEXAS: Annual show; Gulf Coast Gem & Mineral Society; Richard M Borchard Fairgrounds, 1213 Terry Shamsie Blvd; Sat. 10-6, Sun. 10-5; \$6, free admission for children under 12 ; 57th annual show, featuring vendors offering rocks, minerals, gems, fossils, jewelry, lapidary material and equipment, displays and demonstrations, exhibits, raffles, auctions, and activities for children; contact Russell Wheeler, PO Box 60781, Corpus Christi, TX 78466, (361) 944-7877; Email: president@gcgms.org; Website: www.gcgms.org

8-10—KANSAS CITY, MISSOURI: Annual show; Greater Kansas City Association of Earth Science Clubs; KCI Expo Center, 11730 NW Ambassador Dr., , Exit 112th St. off I-29 or KCI Exit (Cookingham Dr.) off I-435; Fri. 10-8, Sat. 10-7, Sun. 10-5; adults \$6, ages 5-12 \$3, free for children 4 and under; 60 retail and wholesale dealers, special exhibits, lectures, demonstrations, scholarship benefit auction 7 p.m. Saturday ; contact Bruce Stinemetz, 2706 S. Cherokee St., Independence, MO 64057, (816) 795-5159; Email: brucestinemetz@att.net; Website: www.kcgemshow.org or www.gemshowkc.org

8-10—KANSAS CITY, MISSOURI: Annual show; Association of Earth Science Clubs of Greater Kansas City; Kansas City Expo Center, 11730 NW Ambassador Dr.; Fri. 10-8, Sat. 10-7, Sun. 10-5; adults \$6, children ages 6 to 12 \$3; contact Terry James, 3522 Brazos St, Melissa, TX 75454, (903) 815-5957; Email: t_james78@hotmail.com; or Info@shoesofintegrity.com

9-10—SAN ANTONIO, TEXAS: Annual show; Southwest Gem and Mineral Society; San Antonio Event Center, 8111 Meadow Leaf Dr. (N/E Corner of Marback and Loop 410); Sat. 10-6, Sun. 10-4; adults \$5, senior/military \$3, students with ID \$2, and children under 12 \$1; 58th Annual Fiesta of Gems – Gem and Mineral Show, with dealers offering crystals, minerals, fossils, exhibits, jewelry, and demonstrations, with an opportunity to make your own cab with proceeds to support earth science scholarships; contact Robert Bowie, 1324 Kings Pt. Dr., Canyon Lake, TX 78133, (830) 387-1766; Email: krcbotx@gvtc.com; Website: swgms.org

16-17—DOTHAN, ALABAMA: Annual show; Dothan Gem and Mineral Club; Houston County Farm Center, 1701 East Cottonwood Road; Sat. 9-5, Sun. 10-4; free admission.; The Dothan Gem and Mineral Show is the place to find minerals, gems, fossils, lapidary rough, beads and handcrafted items, such as cabachons, jewelry and knapped knives; hourly door prizes, on-going silent auction, and grab bags for children; contact Jeff DeRoche, 121 W. Crawford St., Dothan, AL 36301, (334) 673-3554; Email: arlambert@comcast.net

22-24—LEXINGTON, KENTUCKY: Annual show; Blue Grass Gem and Mineral Club; Clarion Hotel, 1950 Newtown Pike; Fri. 4-8, Sat. 9-6, Sun. 11-5; Friday \$10 per person for Rock Party preview (and Friday admission is good for the rest of the show), Sat/Sun – adults \$2, child \$1, and free admission for scouts in uniform; Lexington Rock, Gem, and Jewelry Show, with dealers offering minerals, rocks, gems, jewelry, and equipment, along with fluorescent displays and demonstrations; contact Allen Ferrell; Email: kyrock2010kentucky@yahoo.com; Website: www.bggamc.homestead.com

23-24—CEDAR RAPIDS, IOWA: Annual show; Cedar Valley Rocks and Minerals Society; 4400 6th Street SW, Hawkeye Downs Expo Center; Sat. 8:30-6, Sun. 9:30-4; \$3, students \$1, free admission for children under 12; this year's show theme is Celebrating Geodes — Iowa's Mysterious State Rock, held in conjunction with AFMS and Midwest Federation annual shows, features vendors, educational programs, gem sluice, silent auction, and activities for children; contact Marv Houg, 1820 30th Street Drive, Cedar Rapids, IA 52403, (319) 364-2868; Email: M_Houg@yahoo.com; Website: Cedarvalleyrockclub.org

29-30—ADA, OKLAHOMA: Annual show; Ada Gem Mineral and Fossil Club; Pontotoc County Agriplex, 1710 N Broadway; Fri. 8-6, Sat. 9-5; free; vendors from surrounding states offer a variety of minerals, fossils, jewelry, beads, along with flint knapping demonstrations, displays, and activities for children ; contact Bobby Freeman, 1111 East Central Blvd, Ada, OK 74820, (580) 235-5946; Email: bfreeman.1966@yahoo.com

30-31—FORT DODGE, IOWA: Annual show; River Valley Rockhounds, Inc.; Webster County Fairgrounds, 22770 Old Highway 169; Sat. 9:30-5, Sun. 11-4; \$1, free admission for children 12 and under; dealers, displays, free specimens for children, and silent auction; contact Robert Wolf, 3521 10th Avenue North, Fort Dodge, IA 50501, (515) 955-2818; Email: midnightwriter@frontiernet.net; Website: <http://www.amfed.org/mwf/states/iowa/RiverValley.html>

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

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

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

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

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

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

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

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

How did you hear about our Club?

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

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

Please circle your club interests:

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

Outside Interests: _____

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

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

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

Other: _____

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

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

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

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

Please Mail to:

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



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

Spring Rock Swap
May 4th
Burns Park

2019 Meeting Dates

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

**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!